

Existing

Balloon not visible from this location



Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
6	1182 Great Hay Rd	41.58335 -70.48971	0.29 Miles	West	79	Not Visible

Site: MA-5112 Mashpee Fire Station 2

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution



Existing

Balloon not visible from this location

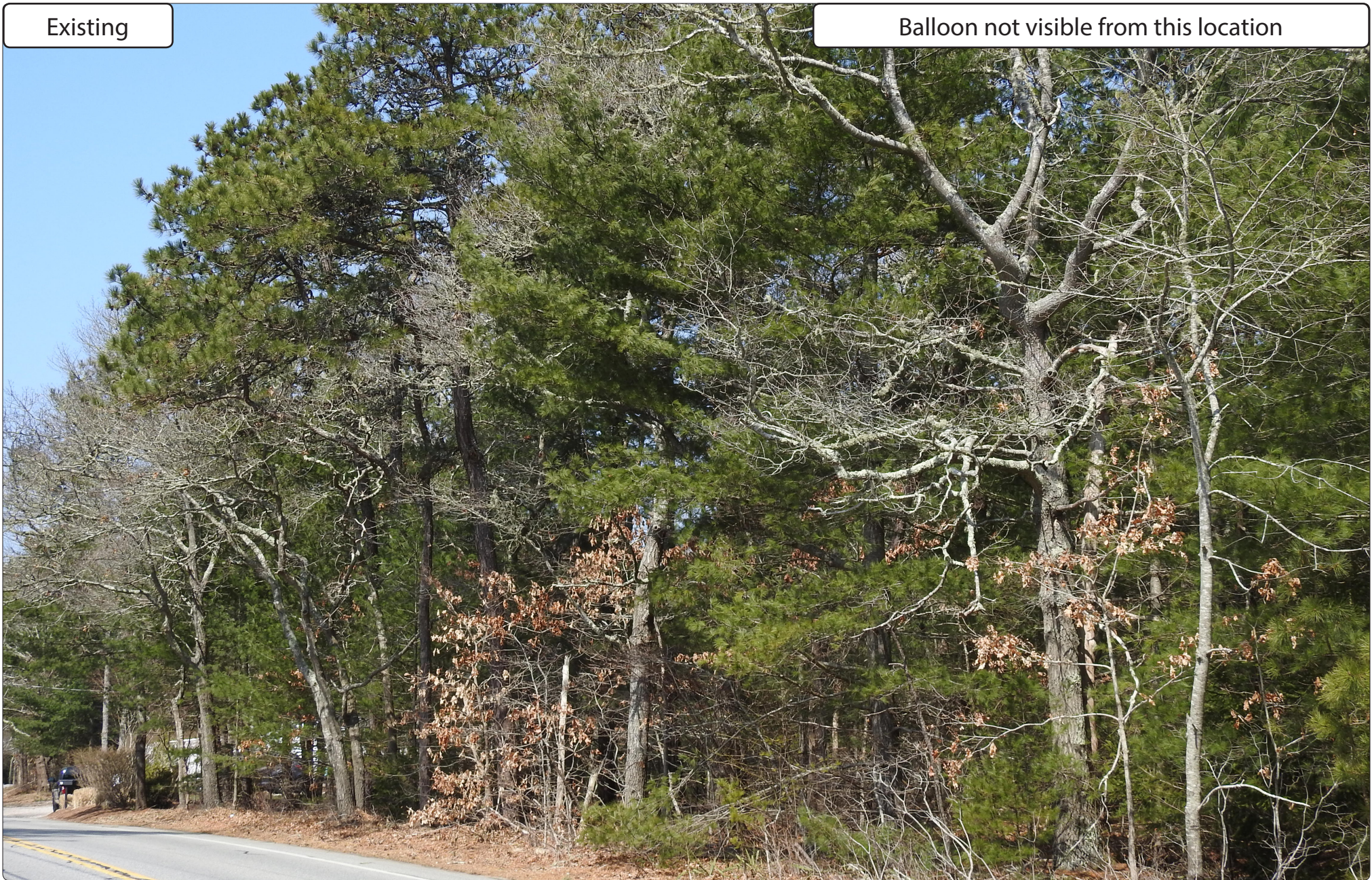


Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
7	66 Red Brook Rd	41.58247 -70.47883	0.3 Miles	South-East	293	Not Visible

Site: MA-5112 Mashpee Fire Station 2

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Existing

Balloon not visible from this location



Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
8	701 Great Neck Rd S	41.58349 -70.4767	0.39 Miles	East	277	Not Visible

Site: MA-5112 Mashpee Fire Station 2

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Existing

Balloon not visible from this location



Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
9	50 Sippis Rd	41.57998 -70.47902	0.39 Miles	South-East	317	Not Visible

Site: MA-5112 Mashpee Fire Station 2

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Existing

Balloon not visible from this location



Photo #	Location	Gps Coordinates		Distance to site	Orientation	Bearing to site	Visibility
10	664 Great Neck Rd S	41.58568	-70.47593	0.44 Miles	East	256	Not Visible

Site: MA-5112 Mashpee Fire Station 2

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Existing

Balloon not visible from this location



Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
11	577 Great Neck Rd S	41.58995 -70.47671	0.56 Miles	North-East	224	Not Visible

Site: MA-5112 Mashpee Fire Station 2

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Existing

Balloon not visible from this location



Photo #	Location	Gps Coordinates		Distance to site	Orientation	Bearing to site	Visibility
12	5 Driftwood Way	41.58719	-70.49627	0.66 Miles	West	109	Not Visible

Site: MA-5112 Mashpee Fire Station 2

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Existing



Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
13	112 Summersea Rd	41.58669 -70.46926	0.79 Miles	East	257	Year Round

Site: MA-5112 Mashpee Fire Station 2

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Simulation



Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
13	112 Summersea Rd	41.58669 -70.46926	0.79 Miles	East	257	Year Round

Site: MA-5112 Mashpee Fire Station 2

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution



Simulation



Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
13	112 Summersea Rd	41.58669 -70.46926	0.79 Miles	East	257	Year Round

Site: MA-5112 Mashpee Fire Station 2

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution



Existing

Balloon not visible from this location



Photo #	Location	Gps Coordinates		Distance to site	Orientation	Bearing to site	Visibility
14	118-124 Polaris Dr	41.59647	-70.49102	0.92 Miles	North	158	Not Visible

Site: MA-5112 Mashpee Fire Station 2

Photo Simulations are for demonstration purposes only. It should not be used in any other fashion or with any other intent. The accuracy of the resulting data is not guaranteed and is not for redistribution





SITE NAME: MASHPEE FIRE STATION #2
SITE NUMBER: MA-5112
ADDRESS: 101 RED BROOK ROAD
MASHPEE, MA 02649

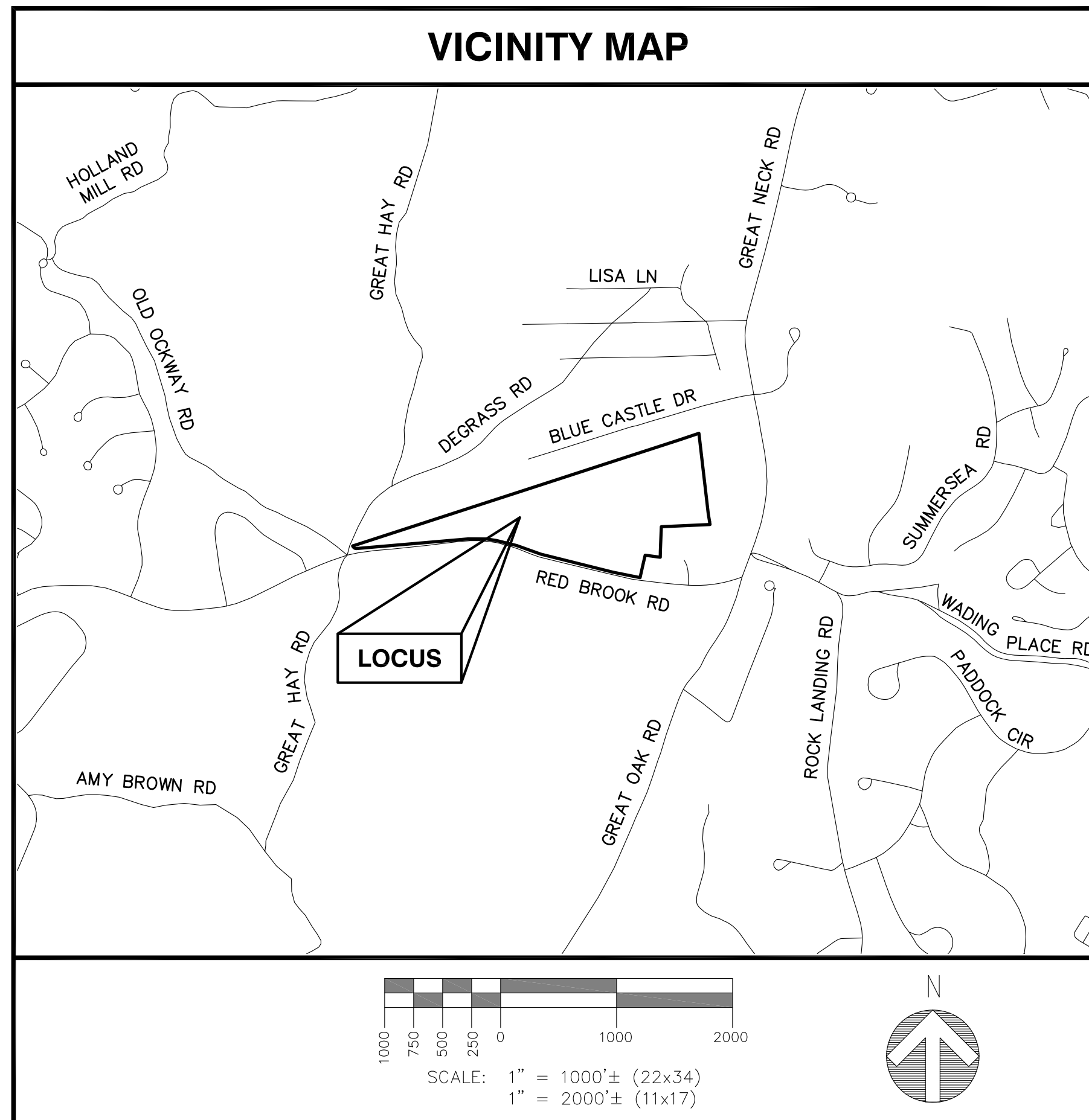
DRAWING INDEX

SHEET	DESCRIPTION	REVISION
T-1	TITLE SHEET	D
C-1	ABUTTERS PLAN	0
C-2	EXISTING CONDITIONS	0
A-1	AERIAL & USGS MAPS	D
A-2	COMPILED PLOT PLAN	D
A-3	OVERALL SITE PLAN	D
A-4	COMPOUND PLAN & ELEVATION	D
SE-1 TO SE-2	SITING ELEVATIONS	D
D-1	DETAILS	D
CA-1 TO CA-4	CO-APPLICANT DETAILS	D
EC-1	EROSION CONTROL PLAN & DETAILS	D

GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER & APPLICANT REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME. PLANS FOR PERMITTING PURPOSES ONLY. NOT FOR CONSTRUCTION.
- ALL UNDERGROUND UTILITY INFORMATION WAS DETERMINED FROM SURFACE INVESTIGATIONS AND EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK. CALL DIG-SAFE (888) 344-7233 72-HOURS PRIOR TO ANY EXCAVATION.
- THIS SHEET WAS ORIGINALLY PRINTED TO ANSI D (22"x34") WITH 1" MARGINS. PRINTING TO ANSI B (11"x17") WILL RESULT IN A HALF-SCALE (1:2) SHEET SET WITH 1/2" MARGINS. CONFIRM ALL SCALED DISTANCES WITH GRAPHICAL SCALES SHOWN HEREIN.
- NEW CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 BUILDING CODE: MASSACHUSETTS STATE BUILDING CODE (780 CMR) 9TH EDITION (IBC) AND AMENDMENTS
 ELECTRICAL CODE: NEC 2017 WITH MASSACHUSETTS AMENDMENTS (527 CMR 12.00)

VICINITY MAP



CO-APPLICANT INFORMATION



SITE NUMBER: 138554
 SITE NAME: NEW SEABURY MA
 CELCO PARTNERSHIP
 d/b/a VERIZON WIRELESS
 118 FLANDERS ROAD
 THIRD FLOOR
 WESTBOROUGH, MA 01581

CO-APPLICANT INFORMATION



SITE NUMBER: 4HY0603
 T-MOBILE NORTHEAST, LLC
 15 COMMERCE WAY
 SUITE B
 NORTON, MA 02766
 OFFICE: (508) 286-2700
 FAX: (508) 286-2893

PROJECT INFORMATION

SITE TYPE: RAW LAND WIRELESS COMMUNICATIONS FACILITY
 SCOPE OF WORK: PROPOSED 150' TALL MONOPOLE WITH 70'x70' FENCED COMPOUND WITHIN 100'x100' LEASE AREA.
 SITE NAME: MASHPEE FIRE STATION #2
 SITE NUMBER: MA-5112
 SITE ADDRESS: 101 RED BROOK ROAD MASHPEE, MA 02649
 ASSESSOR'S TAX ID#: MAP 104 LOT 2
 ZONING DISTRICT(S): RESIDENTIAL DISTRICT (R-3) WIRELESS FACILITY OVERLAY DISTRICT GROUNDWATER PROTECTION OVERLAY DISTRICT
 LATITUDE: 41° 35' 02.89"± N (SURVEY 1A)
 LONGITUDE: 70° 29' 03.08"± W (SURVEY 1A)
 (P) ELEVATION: 28.3'±
 DATUM: NAD83/NAVD88
 PROPERTY OWNER: N/F TOWN OF MASHPEE 16 GREAT NECK ROAD NORTH MASHPEE, MA 02649
 APPLICANT: BLUE SKY TOWERS, LLC 352 PARK STREET SUITE 106 NORTH READING, MA 01864
 SITE ENGINEER: PROTERRA DESIGN GROUP, LLC 4 BAY ROAD BUILDING A; SUITE 200 HADLEY, MA 01035 TEL: (413) 320-4918
 SURVEYOR: NORTHEAST SURVEY CONSULTANTS 116 PLEASANT STREET SUITE 302 EASTHAMPTON, MA 01027 TEL: (413) 203-5144

PERMITTING REVIEW



4 Bay Road
 Building A; Suite 200
 Hadley, MA 01035
 Ph: (413)320-4918

CONSULTANTS:

NO.	DATE	REVISIONS
A	09/27/17	ISSUED FOR REVIEW
B	10/18/17	CCC PRELIM. REVIEW
C	11/17/17	ISSUED FOR REVIEW
D	02/14/18	ISSUED FOR REVIEW

TITLE: SITE NAME: MASHPEE FIRE STATION #2
 SITE NUMBER: MA-5112
 ADDRESS: 101 RED BROOK ROAD
 MASHPEE, MA 02649
APPLICANT:
 BLUE SKY TOWERS, LLC
 352 PARK STREET
 SUITE 106
 NORTH READING, MA 01864

STAMP:

DATE: 09/27/17
 DRAWN: BLM/STZ
 CHECK: JMM/TEJ
 SCALE: SEE PLAN
 JOB NO.: 17-063
 SHEET TITLE:

TITLE SHEET

T-1

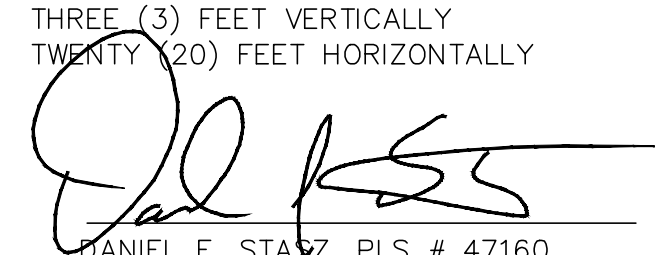
ABUTTERS REFERENCES

- | | | | | |
|---|--|--|--|---|
| 103-3
RUO, JOSEPH S
1182 GREAT HAY RD
MASHPEE, MA 02649 | 104-12
HARRIOT, VICTOR & CHRISTIAN P
3 FOTTLER RD
MATTAPAN, MA 02126-3101 | 104-17
COLLIER, JRILYN O & BYRON, F KAY
129 NORHT HILLCREST BLVD - U#4
INGLEWOOD, CA 90301-5451 | 104-112
HYDE, BRIAN A
7 BRIAN'S LN
MASHPEE, MA 02649 | 110-64
PHELPS, SUSAN R
1200 MASS AVE #6
CAMBRIDGE, MA 02138 |
| 103-4
MICHAELSON, LARAIN & PETER TRUSTEES
MICHAELSON TRUST
120 DEGRASS RD
MASHPEE, MA 02649 | 104-13
BYNOE, JOHN G & LOUISE V
82 HAROLD ST
ROXBURY, MA 02119 | 104-18
STURTEVANT & HOOK INC
236 CONNELL HIGHWAY
NEWPORT, RI 02840 | 104-125
HYDE, BRIAN TRUSTEE
KIRSHARL REALTY TRUST
BRIDGEATER, MA 02324 | 110-71
MASHPEE TOWN OF
CONSERVATION COMMISSION
16 GREAT NECK ROAD NORTH
MASHPEE, MA 02649 |
| 104-3
ESTRELLA, FRANK M & MIRIAM R
PO BOX 1293
MASHPEE, MA 02649 | 104-14
BCDM LLC
276 BROADWAY
CHELSEA, MA 02150 | 104-102
MASHPEE COMMONS L P
PO BOX 1530
MASHPEE, MA 02649-1530 | 104-128
COUGHLIN, THOMAS & MARSHA
CARRIE C GERMAIN
PO BOX 2215
MASHPEE, MA 02649 | 110-96
RED HORSE LLC
1330 AVENUE OF THE AMERICAS
NEW YORK, NY 10019 |
| 104-4
LEE, STEPHANIE L
4094 FRAGILE SAIL WAY
ELLCOTT CITY, MD 21042 | 104-15
DORSEY, TIMOTHY M & JOANNE
86 BLUE CASTLE DR
MASHPEE, MA 02649 | 104-110
HYDE, BRIAN A & KRISTEN A
7 BRIAN'S LN
MASHPEE, MA 02649 | 110-62
STARUCH, THOMAS & JEAN
PO BOX 1274
MASHPEE, MA 02649 | 110-98
UNITED STATES OF AMERICA
300 WESTGATE CENTER DR
HADLEY, MA 01035 |
| 104-11
DUCO ASSOCIATES INC
1172 BEACON ST - SUITE 202
NEWTON, MA 02461 | 104-16
REED, WAYNE S
92 BLUE CASTLE DR
MASHPEE, MA 02649 | 104-111
HYDE, KRISTEN A TRUSTEE
BRIAN'S LANE REALTY TRUST
7 BRIAN'S LN
MASHPEE, MA 02649 | 110-63
SLIWA, MICHAEL
PO BOX 1461
MASHPEE, MA 02649 | |

FAA 1-A CERTIFICATION

I HEREBY CERTIFY THAT THE LATITUDE, LONGITUDE, AND ELEVATION PRESENTED HEREON MEET THE REQUIREMENTS OF THE FAA WITH THE FOLLOWING ACCURACIES:

THREE (3) FEET VERTICALLY
TWENTY (20) FEET HORIZONTALLY


 DANIEL F. STASZ, PLS # 47160

10/03/2017
DATE

SURVEY NOTES

- SITE DETAIL SHOWN ON THIS SURVEY IS BASED ON FIELD DATA COLLECTED ON AUGUST 30, 2017. THIS SURVEY IS PREPARED IN CONFORMANCE WITH THE PROCEDURES AND REQUIREMENTS FOR DATA ACCUMULATION SURVEYS, AS SET FORTH IN 250 CMR SECTION 6.02. BOUNDARY INFORMATION IS COMPILED FROM RECORD DOCUMENTS AND IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD BOUNDARY SURVEY, AND IS SUBJECT TO CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.
- THE PURPOSE OF THIS SURVEY IS TO SUPPORT THE DESIGN AND CONSTRUCTION OF A TELECOMMUNICATION FACILITY. USE OF THIS SURVEY BY ANYONE OTHER THAN BLUE SKY TOWERS LLC, AND USE OF THIS SURVEY FOR ANY PURPOSE NOT RELATED TO THE DESIGN OF THE INTENDED FACILITY IS STRICTLY PROHIBITED.
- PROPERTY LINES AND BOUNDARY DIMENSIONS SHOWN ON THIS SURVEY ARE BASED ON A COMPILATION OF RECORDED PLANS AND DEEDS AND ARE NOT INTENDED TO REPRESENT DEFINITIVE BOUNDARY LINES OR BE USED FOR THE PURPOSES OF CONVEYANCE. PROPERTY RELATED INFORMATION HAS NOT BEEN CONFIRMED BY FIELD SURVEY OBSERVATIONS AND NO ASSESSMENT OF LAND OCCUPATION HAS BEEN CONDUCTED IN THE PREPARATION OF THIS SURVEY. A PROPERTY LINE RETRACEMENT SURVEY HAS NOT BEEN CONDUCTED.
- THE PROPERTY LINES SHOWN ON THIS PLAN ARE THE LINES DIVIDING EXISTING OWNERSHIP'S, AND THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED, AND NO NEW LINES FOR DIVISION OF EXISTING OWNERSHIP OR FOR NEW WAYS ARE SHOWN.
- PRIMARY GEODETIC SURVEY CONTROL WAS ESTABLISHED FROM AN ON THE GROUND SURVEY USING THE GLOBAL POSITIONING SYSTEM (GPS) ON AUGUST 30, 2017. THE HORIZONTAL REFERENCED DATUM IS THE NAD 83 BASED ON THE GRS 80 REFERENCE ELLIPSOID. THE GRID COORDINATES ARE BASED ON THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM OF 1983 CORS96 (MAINLAND 2001). ELEVATIONS SHOWN ARE ASSUMED AND ARE APPROXIMATED TO THE NAVD 88 VERTICAL DATUM. VERTICAL AND HORIZONTAL INFORMATION SHOWN MEETS THE STANDARD CRITERIA FOR AN FAA 1A CERTIFICATION (20'± HORIZONTAL AND 3'± VERTICAL).
- IN THE EVENT THAT BENCHMARKS (TBM'S), ESTABLISHED FOR THIS PROJECT AND PUBLISHED ON THIS SURVEY, ARE DESTROYED, NOT RECOVERABLE OR A DISCREPANCY IS FOUND, THE USER SHOULD NOTIFY THIS FIRM IN WRITING PRIOR TO COMMENCING OR CONTINUING ANY WORK.
- THE LOCUS PARCEL IS SHOWN AS PARCEL 104-2 IN THE TOWN OF MASHPEE TAX ASSESSOR'S DATABASE.
- THE PROJECT AREA IS LOCATED IN FLOOD ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% FLOODPLAIN) AS SHOWN ON FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 25001C 0753 J, DATED JULY 16, 2014.
- THE LOCUS PARCEL AND ALL ABUTTING PARCELS ARE LOCATED WITHIN THE TOWN OF MASHPEE R3 ZONE.
- ALL UNDERGROUND UTILITY INFORMATION WAS DETERMINED FROM SURFACE INVESTIGATIONS AND EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK. CALL THE FOLLOWING FOR ALL PRE-CONSTRUCTION NOTIFICATION 72-HOURS PRIOR TO ANY EXCAVATION ACTIVITY: DIG SAFE SYSTEM (MA, ME, NH, RI, VT): 1-888-344-7233
- NO WETLAND DELINEATIONS WERE OBSERVED.

PROPERTY OWNER: TOWN OF MASHPEE
LOCUS DEED REFERENCE: 830-355, 262-34
PLAN REFERENCES: 476-26, 172-69, 595-87, 595-88, 236-1, 214-87, 487-58, 565-46, 603-43, 654-21

LEGEND

N/F	- NOW OR FORMERLY
□	- CONCRETE BOUND FOUND
△	- CALCULATED POINT
—	- LOCUS PROPERTY LINE
—	- ABUTTERS PROPERTY LINE

ABUTTERS PLAN

ANSI D (22"x34") SCALE: 1"=200'
ANSI A (11"x17") SCALE: 1"=400'

ProTerra
DESIGN GROUP, LLC

4 Bay Road
Building A, Suite 200
Hadley, MA 01035
(413) 320-4918


CONSULTANTS:
NORTHEAST SURVEY CONSULTANTS

116 Pleasant St. Ste. 302
P.O. Box 109
Easthampton, MA 01027
(413) 203-5144
northeastsurvey.com

NO.	DATE	REVISIONS
0	10/03/17	ISSUED FOR REVIEW

SITE NAME: MASHPEE FIRESTATION #2
SITE NUMBER: MA-512
ADDRESS: 101 RED BROOK ROAD
MASHPEE, MA 02649

APPLICANT:
BLUE SKY TOWERS, LLC
352 PARK STREET
SUITE 106
NORTH READING, MA 01864



DATE: 10/03/2017
DRAWN: CRC
CHECK: BCF
SCALE: 1"=200'
JOB NO.: 17-206

ABUTTERS PLAN

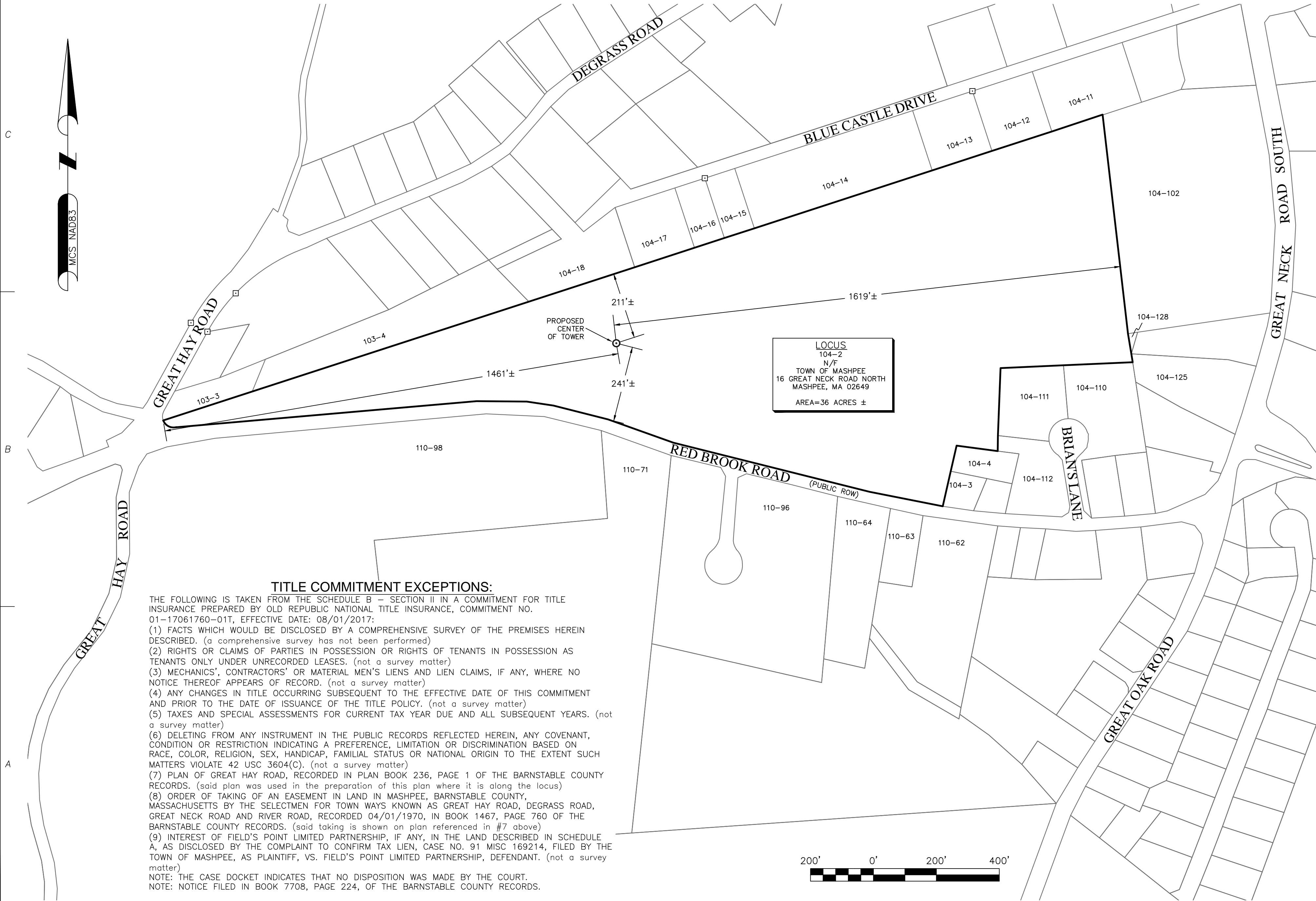
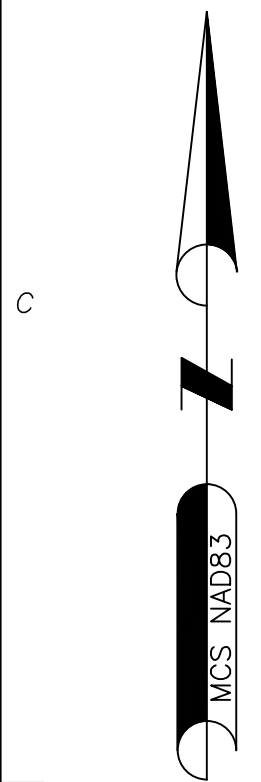
C-1

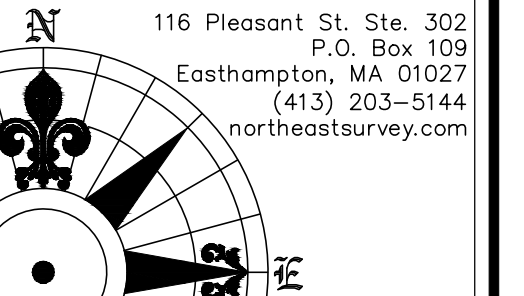
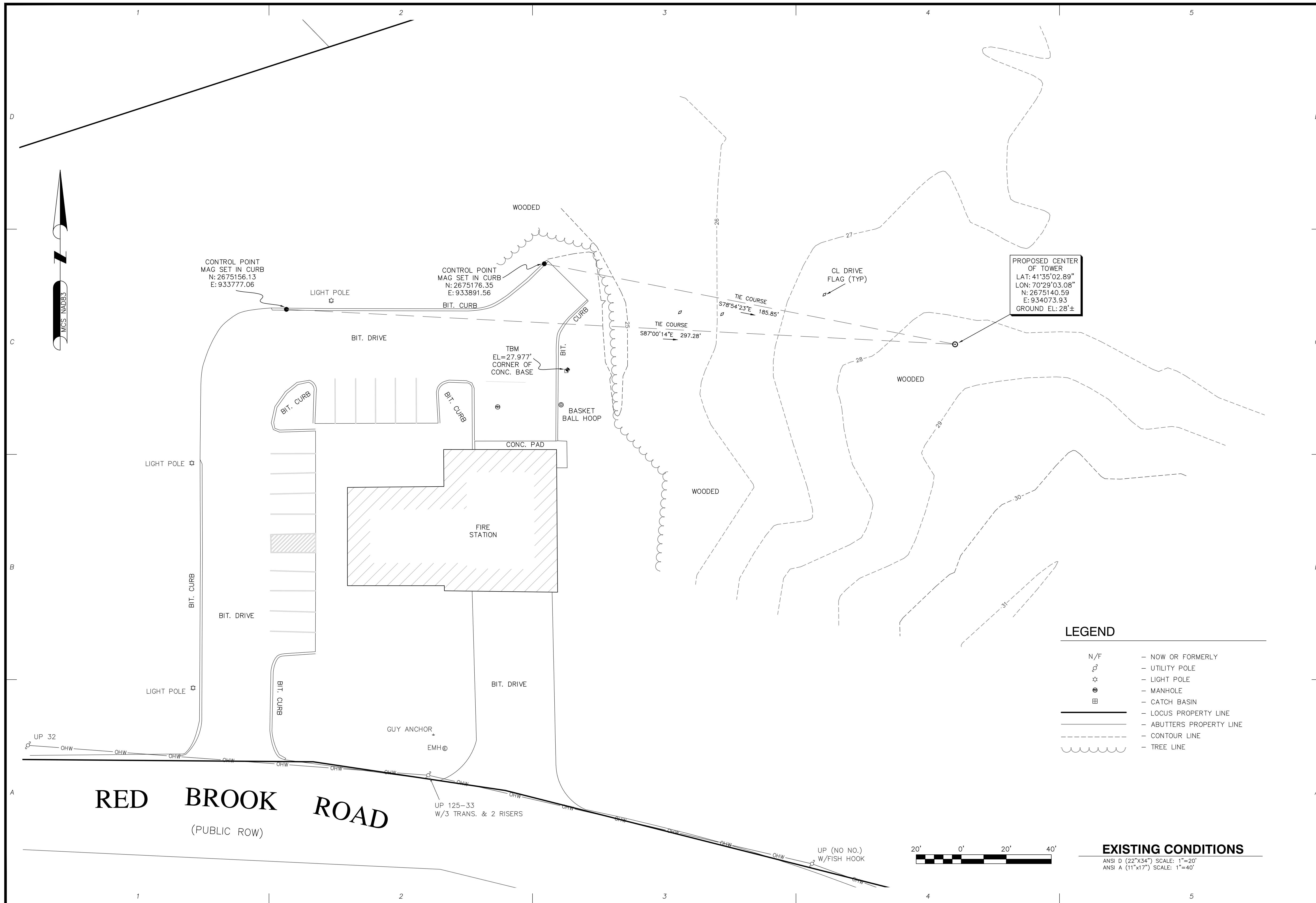
TITLE COMMITMENT EXCEPTIONS:

THE FOLLOWING IS TAKEN FROM THE SCHEDULE B - SECTION II IN A COMMITMENT FOR TITLE INSURANCE PREPARED BY OLD REPUBLIC NATIONAL TITLE INSURANCE, COMMITMENT NO. 01-17061760-01T, EFFECTIVE DATE: 08/01/2017:

- FACTS WHICH WOULD BE DISCLOSED BY A COMPREHENSIVE SURVEY OF THE PREMISES HEREIN DESCRIBED. (a comprehensive survey has not been performed)
- RIGHTS OR CLAIMS OF PARTIES IN POSSESSION OR RIGHTS OF TENANTS IN POSSESSION AS TENANTS ONLY UNDER UNRECORDED LEASES. (not a survey matter)
- MECHANICS', CONTRACTORS' OR MATERIAL MEN'S LIENS AND LIEN CLAIMS, IF ANY, WHERE NO NOTICE THEREOF APPEARS OF RECORD. (not a survey matter)
- ANY CHANGES IN TITLE OCCURRING SUBSEQUENT TO THE EFFECTIVE DATE OF THIS COMMITMENT AND PRIOR TO THE DATE OF ISSUANCE OF THE TITLE POLICY. (not a survey matter)
- TAXES AND SPECIAL ASSESSMENTS FOR CURRENT TAX YEAR DUE AND ALL SUBSEQUENT YEARS. (not a survey matter)
- DELETING FROM ANY INSTRUMENT IN THE PUBLIC RECORDS REFLECTED HEREIN, ANY COVENANT, CONDITION OR RESTRICTION INDICATING A PREFERENCE, LIMITATION OR DISCRIMINATION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN TO THE EXTENT SUCH MATTERS VIOLATE 42 USC 3604(c). (not a survey matter)
- PLAN OF GREAT HAY ROAD, RECORDED IN PLAN BOOK 236, PAGE 1 OF THE BARNSTABLE COUNTY RECORDS. (said plan was used in the preparation of this plan where it is along the locus)
- ORDER OF TAKING OF AN EASEMENT IN LAND IN MASHPEE, BARNSTABLE COUNTY, MASSACHUSETTS BY THE SELECTMEN FOR TOWN WAYS KNOWN AS GREAT HAY ROAD, DEGRASS ROAD, GREAT NECK ROAD AND RIVER ROAD, RECORDED 04/01/1970, IN BOOK 1467, PAGE 760 OF THE BARNSTABLE COUNTY RECORDS. (said taking is shown on plan referenced in #7 above)
- INTEREST OF FIELD'S POINT LIMITED PARTNERSHIP, IF ANY, IN THE LAND DESCRIBED IN SCHEDULE A, AS DISCLOSED BY THE COMPLAINT TO CONFIRM TAX LIEN, CASE NO. 91 MISC 169214, FILED BY THE TOWN OF MASHPEE, AS PLAINTIFF, VS. FIELD'S POINT LIMITED PARTNERSHIP, DEFENDANT. (not a survey matter)

NOTE: THE CASE DOCKET INDICATES THAT NO DISPOSITION WAS MADE BY THE COURT.
NOTE: NOTICE FILED IN BOOK 7708, PAGE 224, OF THE BARNSTABLE COUNTY RECORDS.





NO.	DATE	REVISIONS
0	10/03/17	ISSUED FOR REVIEW

TITLE: SITE NAME: MASHPEE FIRESTATION #2
SITE NUMBER: MA-5112
ADDRESS: 101 RED BROOK ROAD
MASHPEE, MA 02649

APPLICANT: BLUE SKY TOWERS, LLC
352 PARK STREET
SUITE 106
NORTH READING, MA 01864

LEGEND

- N/F - NOW OR FORMERLY
- ☉ - UTILITY POLE
- ☆ - LIGHT POLE
- ⊙ - MANHOLE
- ⊞ - CATCH BASIN
- - LOCUS PROPERTY LINE
- - ABUTTERS PROPERTY LINE
- - - - - CONTOUR LINE
- ~~~~~ - TREE LINE

DATE: 10/03/2017
DRAWN: CRC
CHECK: BCF
SCALE: 1"=20"
JOB NO.: 17-206
SHEET TITLE:

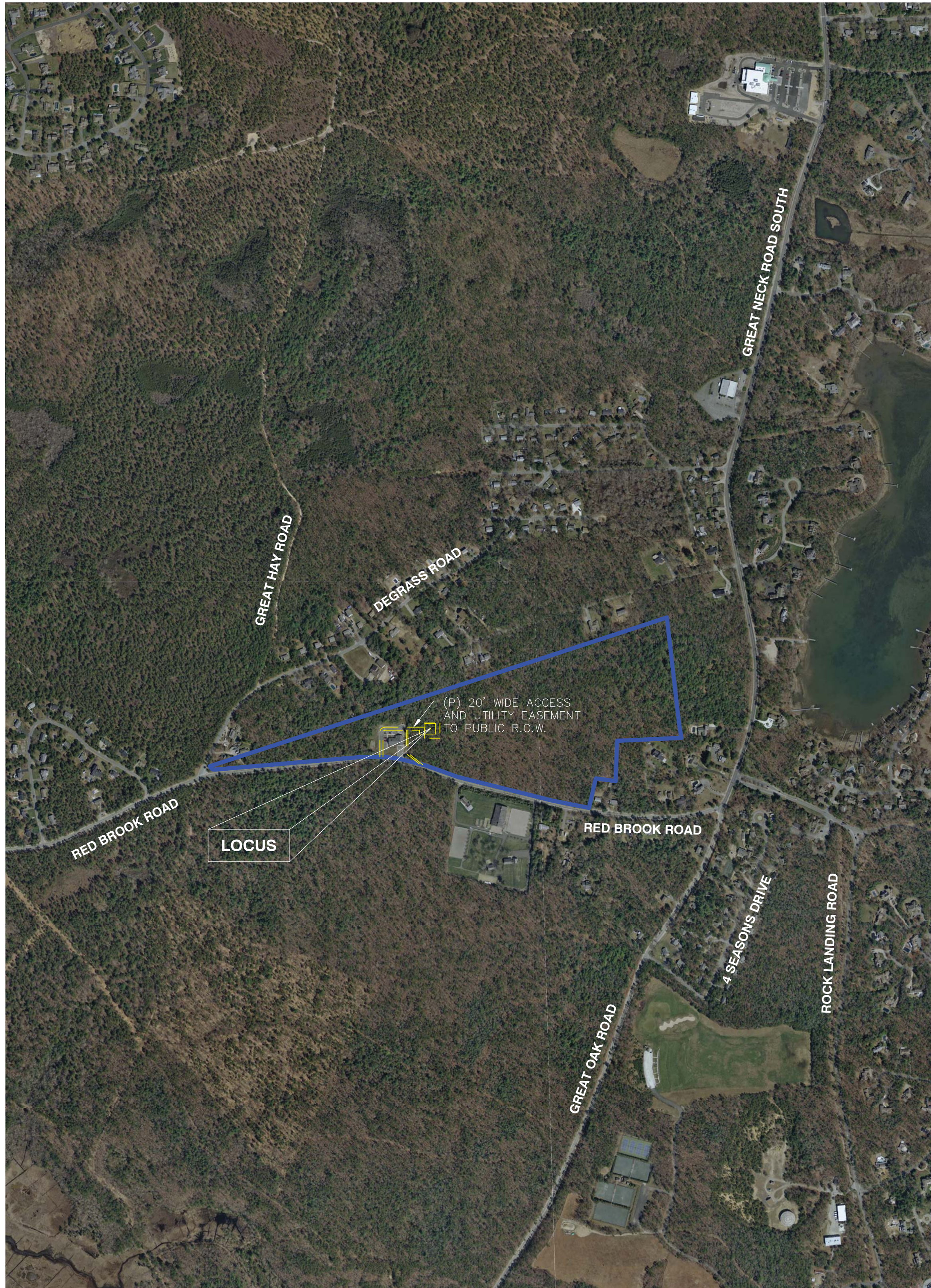
**EXISTING
CONDITIONS**

C-2

EXISTING CONDITIONS

ANSI D (22"x34") SCALE: 1"=20'
ANSI A (11"x17") SCALE: 1"=40'



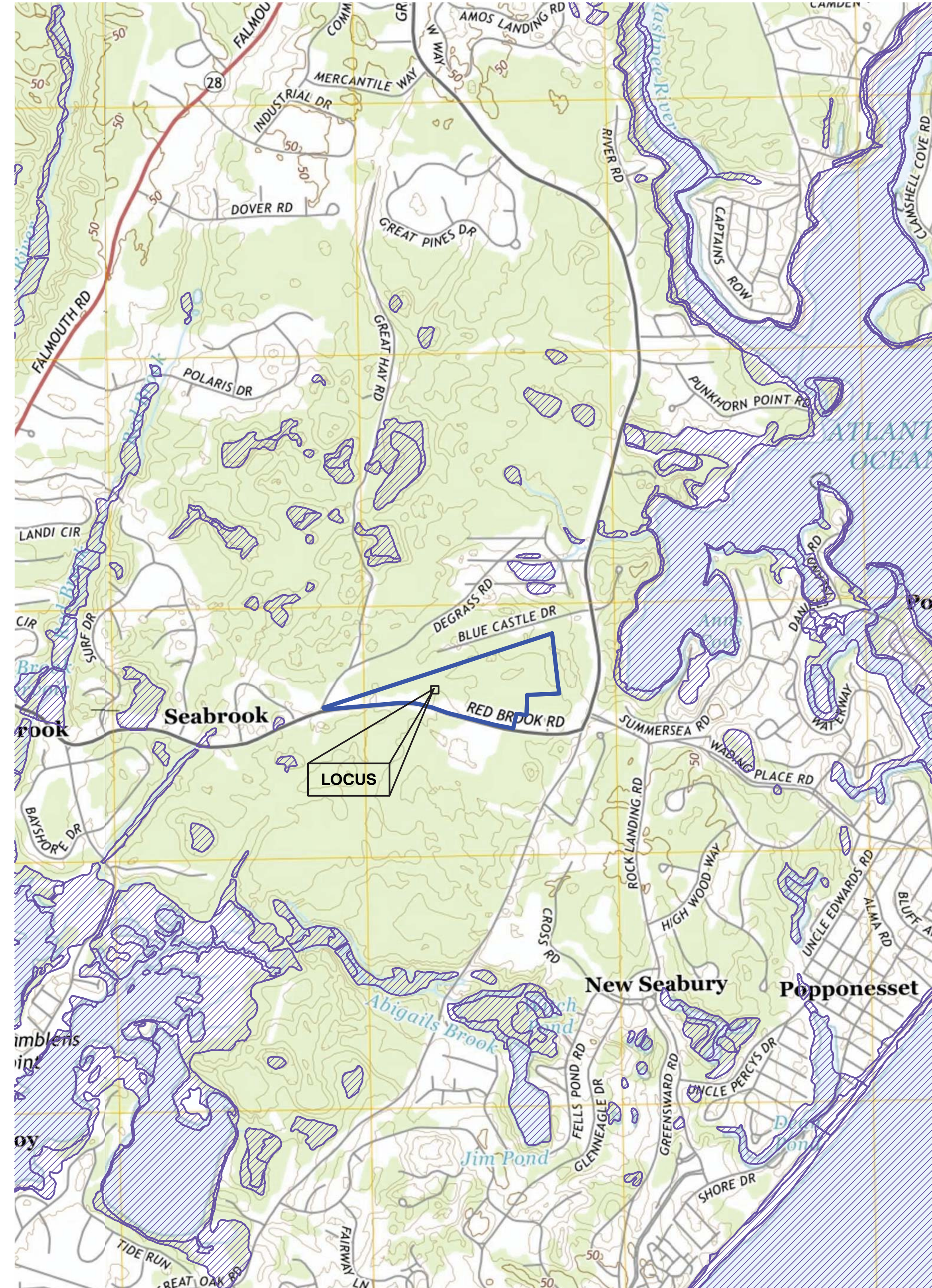
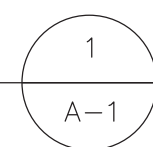


REF: "USGS COLOR ORTHO IMAGERY (2013/2014)" DATALAYER DATED APRIL 2013/2014 PREPARED BY OFFICE OF GEOGRAPHIC INFORMATION (MASSGIS), COMMONWEALTH OF MASSACHUSETTS, INFORMATION TECHNOLOGY DIVISION



AERIAL PHOTO

SCALE: 1"=500' (22x34)
1"=1000' (11x17)

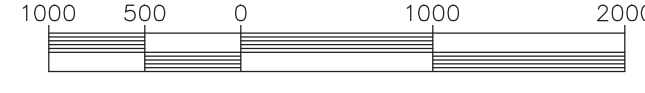
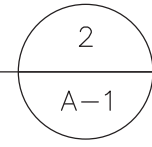


REF: COTUIT, MA & FALMOUTH, MA QUADRANGLES, PREPARED BY UNITED STATES DEPARTMENT OF THE INTERIOR, U.S. GEOLOGICAL SURVEY, DATED 2015



USGS MAP

SCALE: 1"=1000' (22x34)
1"=2000' (11x17)



ProTerra
DESIGN GROUP, LLC

4 Bay Road
Building A, Suite 200
Hodley, MA 01035
Ph: (413)320-4918

CONSULTANTS:

NO.	DATE	REVISIONS
A	09/27/17	ISSUED FOR REVIEW
B	10/18/17	CCC PRELIM. REVIEW
C	11/17/17	ISSUED FOR REVIEW
D	02/14/18	ISSUED FOR REVIEW

TITLE: **SITE NAME: MASHPEE FIRE STATION #2**
SITE NUMBER: MA-5112
ADDRESS: 101 RED BROOK ROAD
MASHPEE, MA 02649

APPLICANT:
BLUE SKY TOWERS, LLC
362 PARK STREET
SUITE 106
TOWERS, LLC NORTH READING, MA 01864

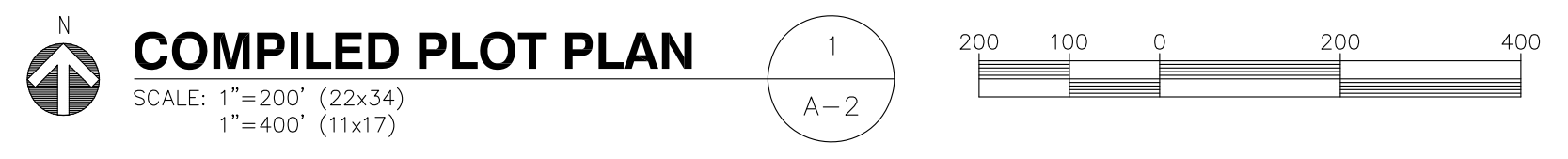
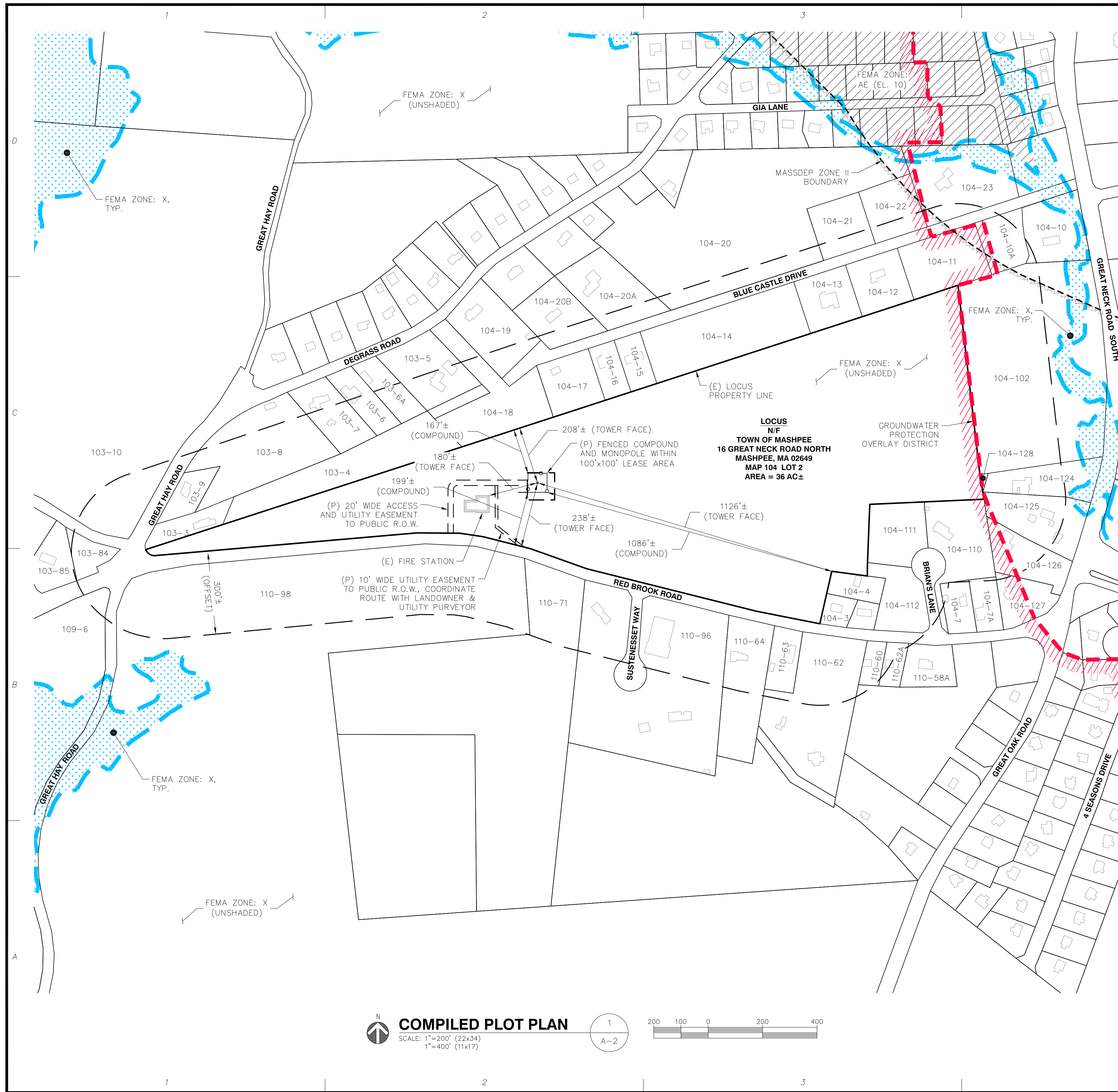
STAMP:

DATE: 09/27/17
DRAWN: BLM/STZ
CHECK: JMM/TEJ
SCALE: SEE PLAN
JOB NO.: 17-063

SHEET TITLE:

**AERIAL &
USGS MAPS**

A-1



REFERENCES

PROPERTY LINE, TOPOGRAPHY AND EXISTING FEATURES – SEE SHEETS C-1 & C-2

ZONING DISTRICTS – MAP ENTITLED "ZONING MAP TOWN OF MASHPEE, MA" PREPARED BY THE MASHPEE GIS DEPARTMENT, ZONING AS APPROVED BY TOWN MEETING ON MAY 4, 2015.

THE FOLLOWING DATALAYERS PREPARED BY OFFICE OF GEOGRAPHIC INFORMATION (MASSGIS), COMMONWEALTH OF MASSACHUSETTS, MASSIT

- BUILDING STRUCTURES (2-D, FROM ORTHO IMAGERY) (JUNE 2017)
- MASSDEP WELLHEAD PROTECTION AREAS (ZONE II, ZONE I, IWPA) (JUNE 2017)
- FEMA NATIONAL FLOOD HAZARD LAYER

CONFIRMED WITH FLOOD INSURANCE RATE MAP 25001C0753J EFFECTIVE JULY 16, 2014 PREPARED BY FEDERAL EMERGENCY MANAGEMENT AGENCY, US DEPARTMENT OF HOMELAND SECURITY. PROJECT AREA IS WITHIN ZONE X: "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN."

GENERAL NOTES

1. THE TYPE, DIMENSIONS, MOUNTING HARDWARE, AND POSITIONS OF ALL PROJECT OWNER'S EQUIPMENT ARE SHOWN IN ILLUSTRATIVE FASHION. ACTUAL HARDWARE DETAILS AND FINAL LOCATIONS MAY DIFFER SLIGHTLY FROM WHAT IS SHOWN.
2. THE PROJECT OWNER'S PCS FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
3. THE DESIGN OF THE TOWER, FOUNDATION AND ANTENNA MOUNTING HARDWARE WILL MEET THE ANSI/EIA/TIA-222-G STANDARDS FOR STRUCTURAL STEEL ANTENNA SUPPORTING STRUCTURES AND STATE BUILDING CODE REQUIREMENTS. DETAILED CONSTRUCTION DRAWINGS AND STRUCTURAL CALCULATIONS WILL BE PREPARED BY A REGISTERED PROFESSIONAL ENGINEER AND SUBMITTED WITH A BUILDING PERMIT APPLICATION FOR REVIEW AND APPROVAL BY THE LOCAL BUILDING CODE ENFORCEMENT OFFICIAL.
4. ONCE THE FACILITY BECOMES FULLY OPERATIONAL, NORMAL AND ROUTINE MAINTENANCE BY TOWER OWNER'S AND CARRIER'S TECHNICIANS WILL BE PERFORMED. THE ESTIMATED VEHICULAR TRAFFIC GENERATED BY THESE VISITS IS PREDICTED TO BE LESS THAN THE TYPICAL TRAFFIC GENERATED BY A SINGLE-FAMILY DWELLING.

ZONING SUMMARY

ZONING DISTRICT(S): RESIDENTIAL DISTRICT (R-3)
 OVERLAY DISTRICT(S): WIRELESS FACILITY OVERLAY DISTRICT
 GROUNDWATER PROTECTION OVERLAY DISTRICT
 MAP 104 LOT 2

ASSESSORS ID: MAP 104 LOT 2
 (P) USE: PERSONAL WIRELESS SERVICE FACILITY¹

DIMENSION	PROVIDED	CONSTRAINT
PARCEL – AREA	36 AC±	40,000 SF MIN
PARCEL – FRONTAGE	2,500'±	150' MIN.
PARCEL – LOT COVERAGE	2%±	20% MAX.
(P) COMPOUND – FRONT YARD	199'±	40' MIN.
(P) COMPOUND – SIDE YARD	1086'±	15' MIN.
(P) COMPOUND – REAR YARD	167'±	15' MIN.
(P) COMPOUND – ACCESSORY STRUCTURE HEIGHT	14'±	35' MAX.
(P) MONOPOLE – HEIGHT (HIGHEST APPURTENANCE)	150' (156') ²	100'
(P) MONOPOLE – DISTANCE TO PROPERTY LINE	208'±	156' MIN. (100% HEIGHT)

1 – ALLOWED USE BY "SPECIAL PERMIT" PER ZONING BYLAWS OF THE TOWN OF MASHPEE 2016, §174-25: TABLE OF USE REGULATIONS

SPECIAL CONSIDERATIONS MAY BE REQUIRED FOR THE FOLLOWING:

- 2 – ZONING BYLAWS OF THE TOWN OF MASHPEE 2016, §174-45.3.E.6: "WITHIN THE WIRELESS FACILITY OVERLAY DISTRICT...PERSON WIRELESS FACILITIES OF UP TO ONE HUNDRED (100') FEET IN HEIGHT MAY BE PERMITTED BY SPECIAL PERMIT, EXCEPT THAT THE PLANNING BOARD MAY GRANT A WAIVER TO ALLOW A HEIGHT OF UP TO TWO HUNDRED (200') FEET WHERE CIRCUMSTANCES WARRANT..."

CONSULTANTS:

NO.	DATE	REVISIONS
A	09/27/17	ISSUED FOR REVIEW
B	10/18/17	CCC PRELIM. REVIEW
C	11/17/17	ISSUED FOR REVIEW
D	02/14/18	ISSUED FOR REVIEW

TITLE: **SITE NAME: MASHPEE FIRE STATION #2**
SITE NUMBER: MA-512
ADDRESS: 101 RED BROOK ROAD
MASHPEE, MA 02649

APPLICANT:
BLUE SKY TOWERS, LLC
362 PARK STREET
SUITE 106
TOWERS, LLC
NORTH READING, MA 01864

STAMP:

DATE: 09/27/17
 DRAWN: BLM/STZ
 CHECK: JMM/TEJ
 SCALE: SEE PLAN
 JOB NO.: 17-063

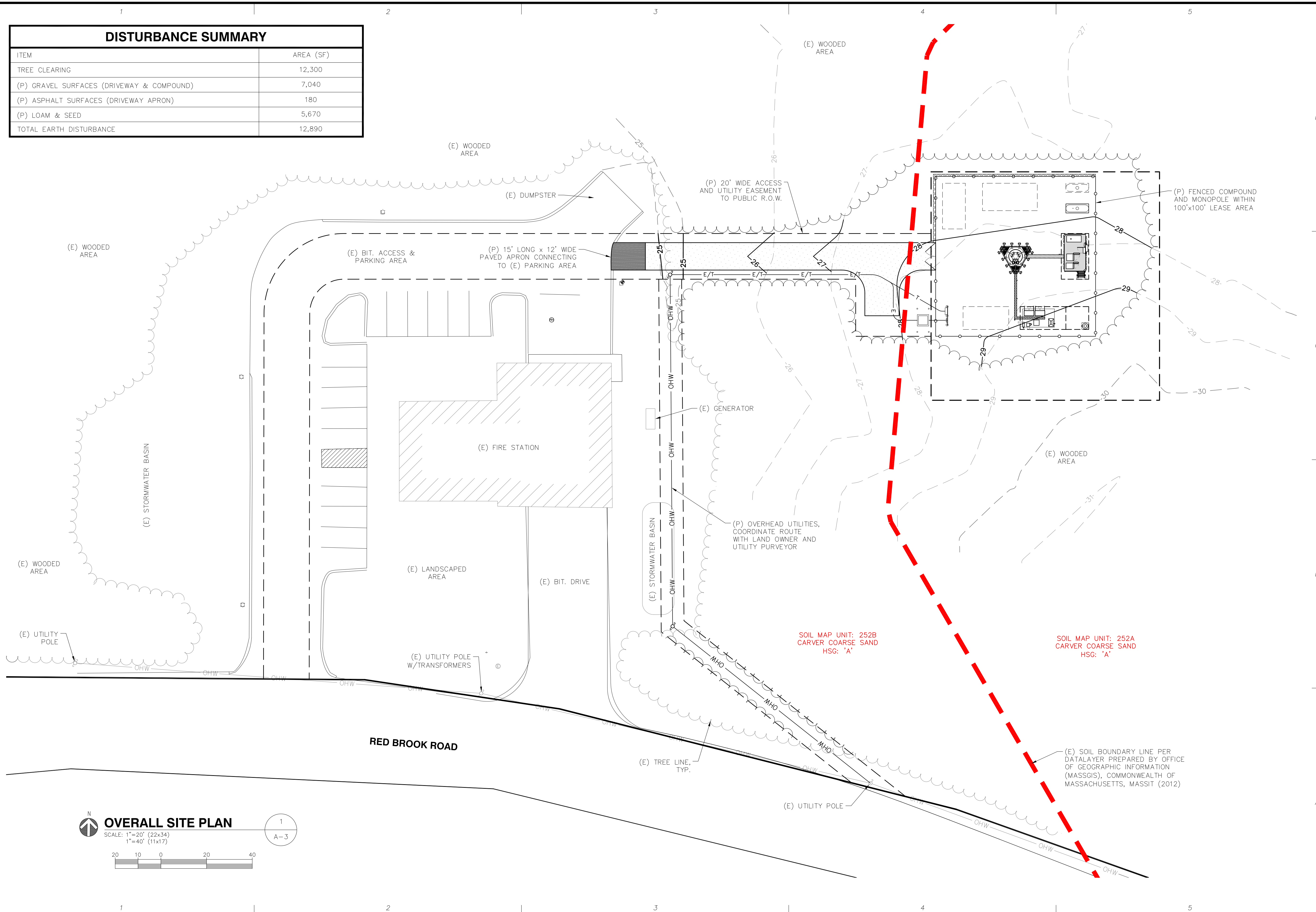
SHEET TITLE:

COMPILED
PLOT PLAN

A-2

DISTURBANCE SUMMARY

ITEM	AREA (SF)
TREE CLEARING	12,300
(P) GRAVEL SURFACES (DRIVEWAY & COMPOUND)	7,040
(P) ASPHALT SURFACES (DRIVEWAY APRON)	180
(P) LOAM & SEED	5,670
TOTAL EARTH DISTURBANCE	12,890



4 Bay Road
Building A, Suite 200
Hadley, MA 01035
Ph: (413)320-4918

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SITE NUMBER: MA-5112
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MASHPEE, MA 02649

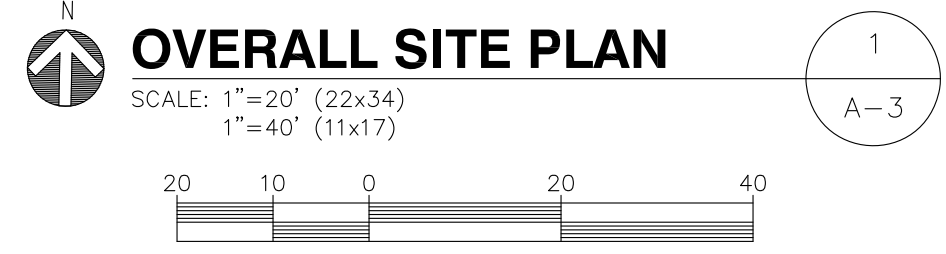
APPLICANT:
BLUE SKY TOWERS, LLC
362 PARK STREET
SUITE 106
TOWERS, LLC NORTH READING, MA 01864

STAMP:

DATE: 09/27/17
DRAWN: BLM/STZ
CHECK: JMM/TEJ
SCALE: SEE PLAN
JOB NO.: 17-063
SHEET TITLE:

OVERALL SITE PLAN

A-3



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MASHPEE, MA 02649

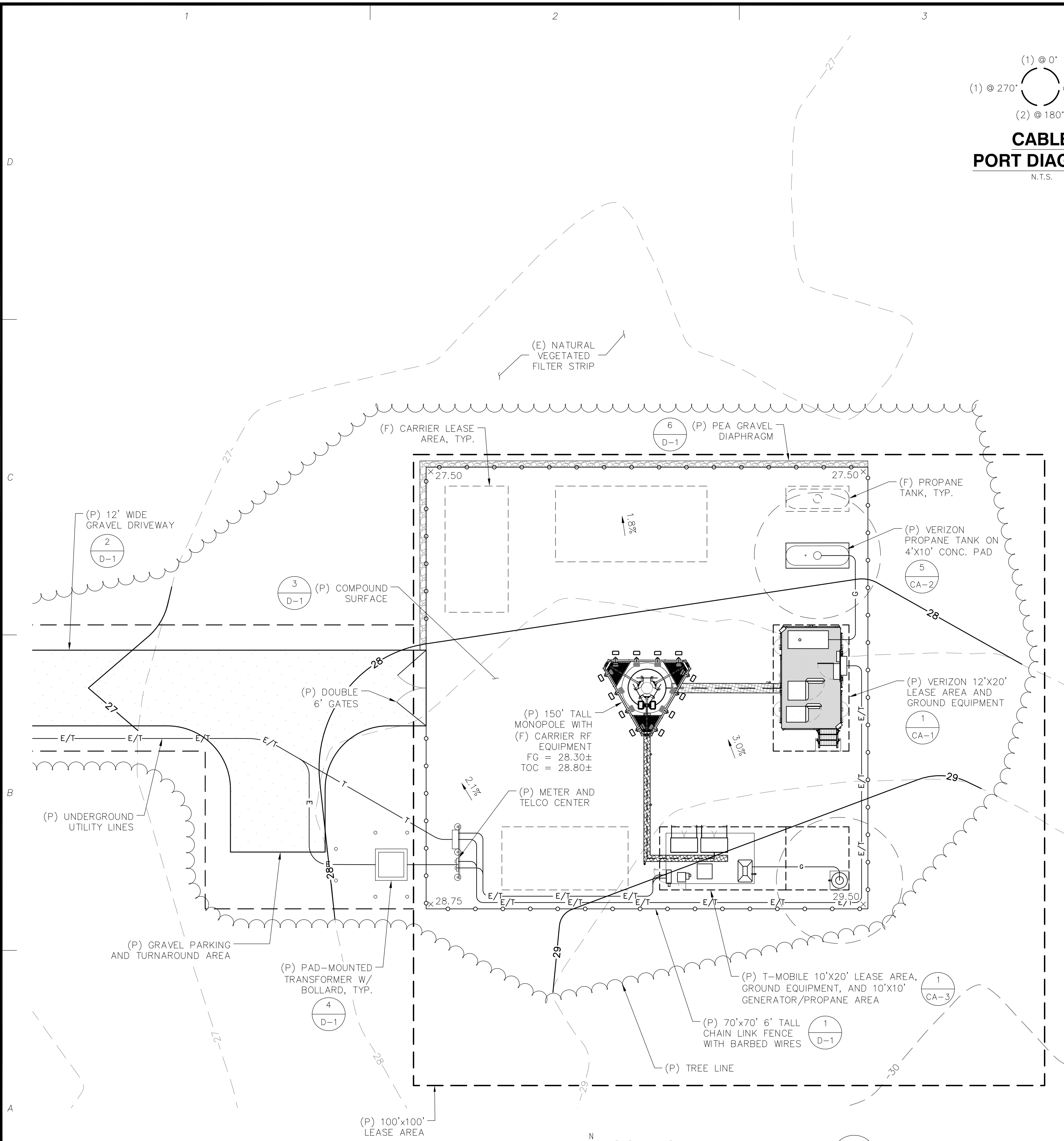
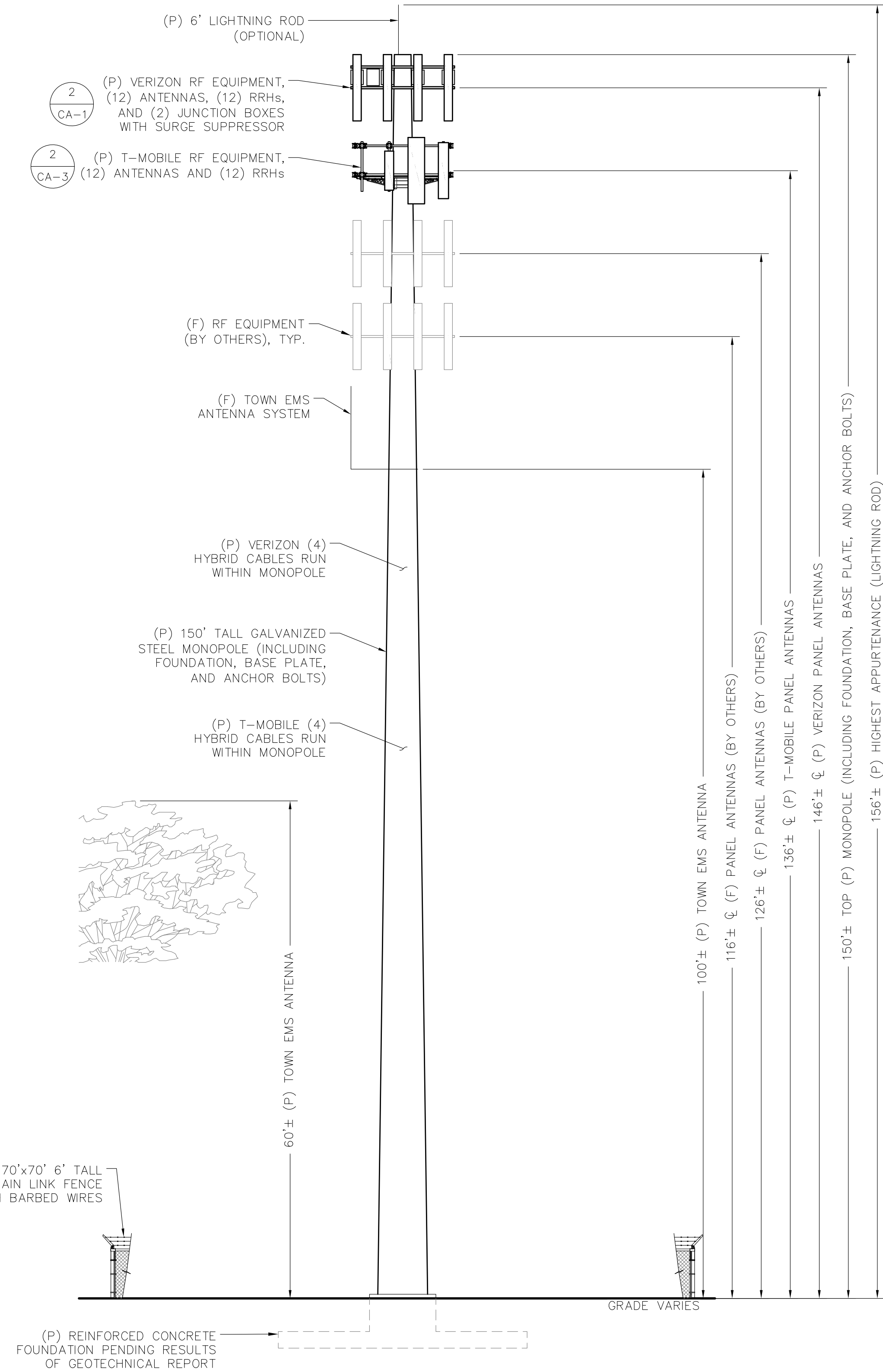
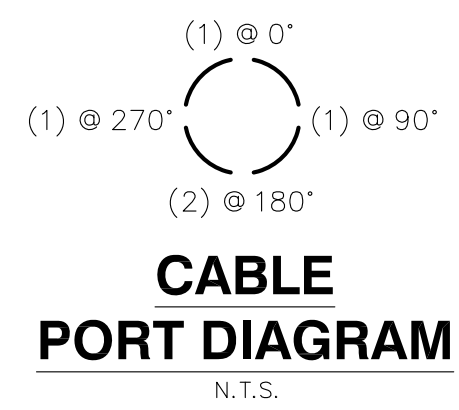
APPLICANT:
BLUE SKY TOWERS, LLC
362 PARK STREET
SUITE 106
NORTH READING, MA 01864

STAMP:

DATE: 09/27/17
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CHECK: JMM/TEJ
SCALE: SEE PLAN
JOB NO.: 17-063

SHEET TITLE:
COMPOUND PLAN & ELEVATION

A-4



COMPOUND PLAN
SCALE: 1"=10' (22x34)
1"=20' (11x17)

1 A-4

SOUTH ELEVATION
SCALE: 1"=10' (22x34)
1"=20' (11x17)

2 A-4

CONSULTANTS:

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MASHPEE, MA 02649

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362 PARK STREET
SUITE 106
TOWERS, LLC, NORTH READING, MA 01864

STAMP:

DATE: 09/27/17
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SCALE: SEE PLAN
JOB NO.: 17-063

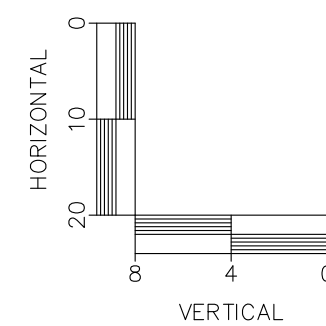
SHEET TITLE:

**SITING
ELEVATIONS**

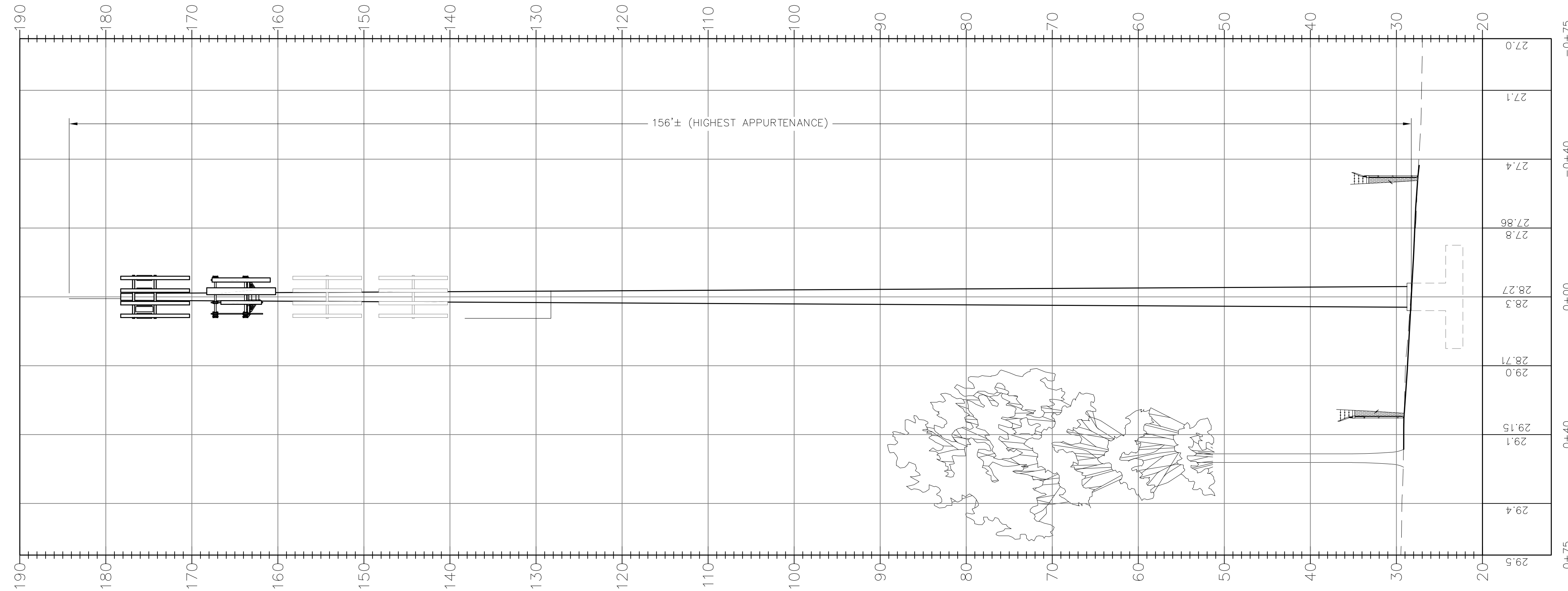
SE-1

**EAST
TOWER PROFILE**

SCALE (22x34): 1"=20' HORIZONTAL
1"=8' VERTICAL
SCALE (11x17): 1"=40' HORIZONTAL
1"=16' VERTICAL

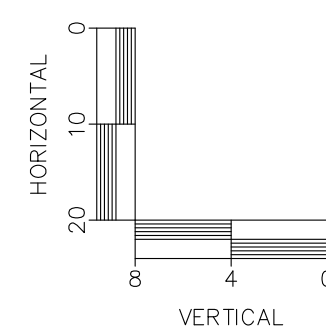


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SE-1

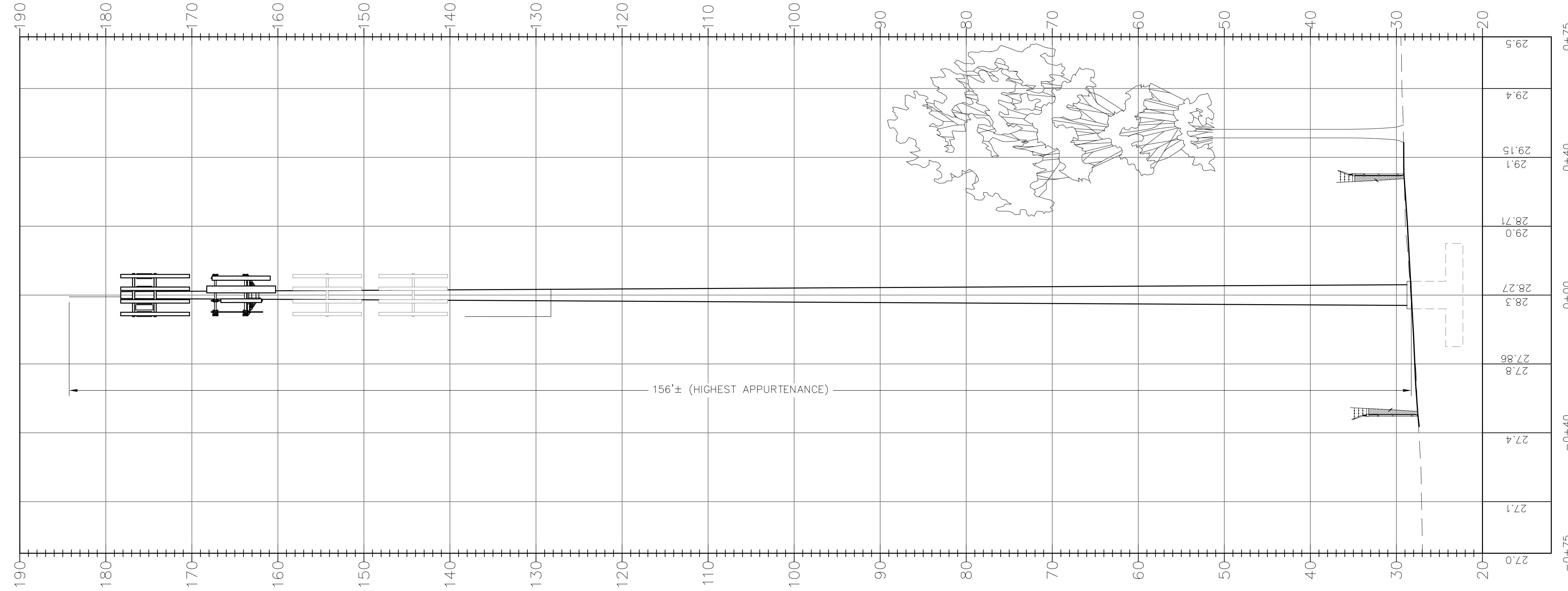


**WEST
TOWER PROFILE**

SCALE (22x34): 1"=20' HORIZONTAL
1"=8' VERTICAL
SCALE (11x17): 1"=40' HORIZONTAL
1"=16' VERTICAL



2
SE-1



CONSULTANTS:

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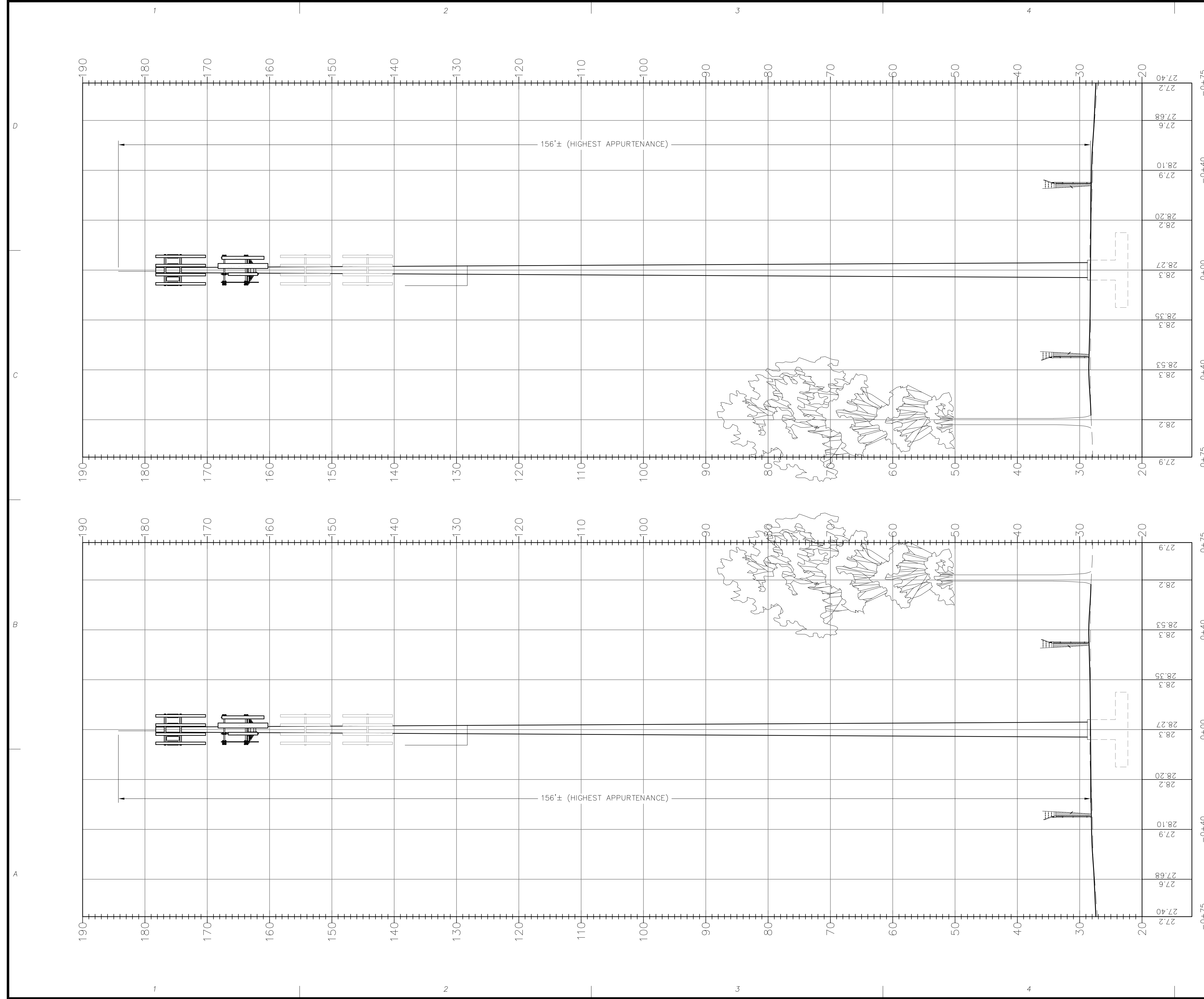
APPLICANT:
BLUE SKY TOWERS, LLC
362 PARK STREET
SUITE 106
TOWERS, LLC NORTH READING, MA 01864

STAMP:

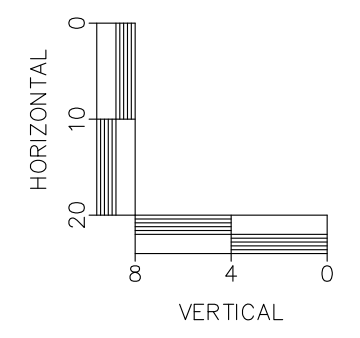
DATE: 09/27/17
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CHECK: JMM/TEJ
SCALE: SEE PLAN
JOB NO.: 17-063

SHEET TITLE:
SITING ELEVATIONS

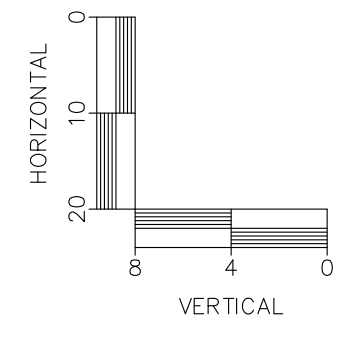
SE-2



NORTH TOWER PROFILE
SCALE (22x34): 1"=20' HORIZONTAL
1"=8' VERTICAL
SCALE (11x17): 1"=40' HORIZONTAL
1"=16' VERTICAL



SOUTH TOWER PROFILE
SCALE (22x34): 1"=20' HORIZONTAL
1"=8' VERTICAL
SCALE (11x17): 1"=40' HORIZONTAL
1"=16' VERTICAL



1
SE-2

2
SE-2

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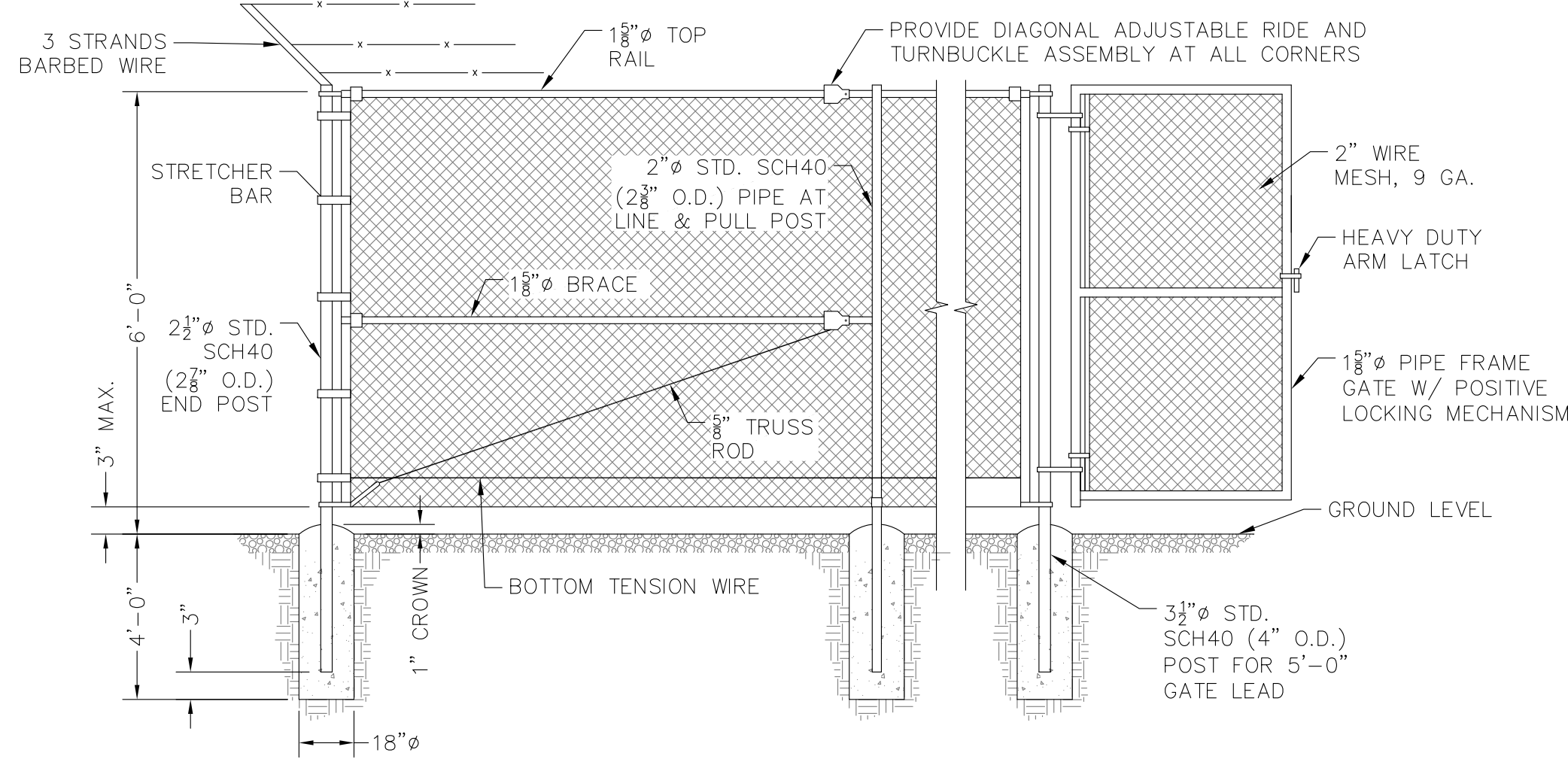
APPLICANT:
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SUITE 106
NORTH READING, MA 01864

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JOB NO.: 17-063
SHEET TITLE:

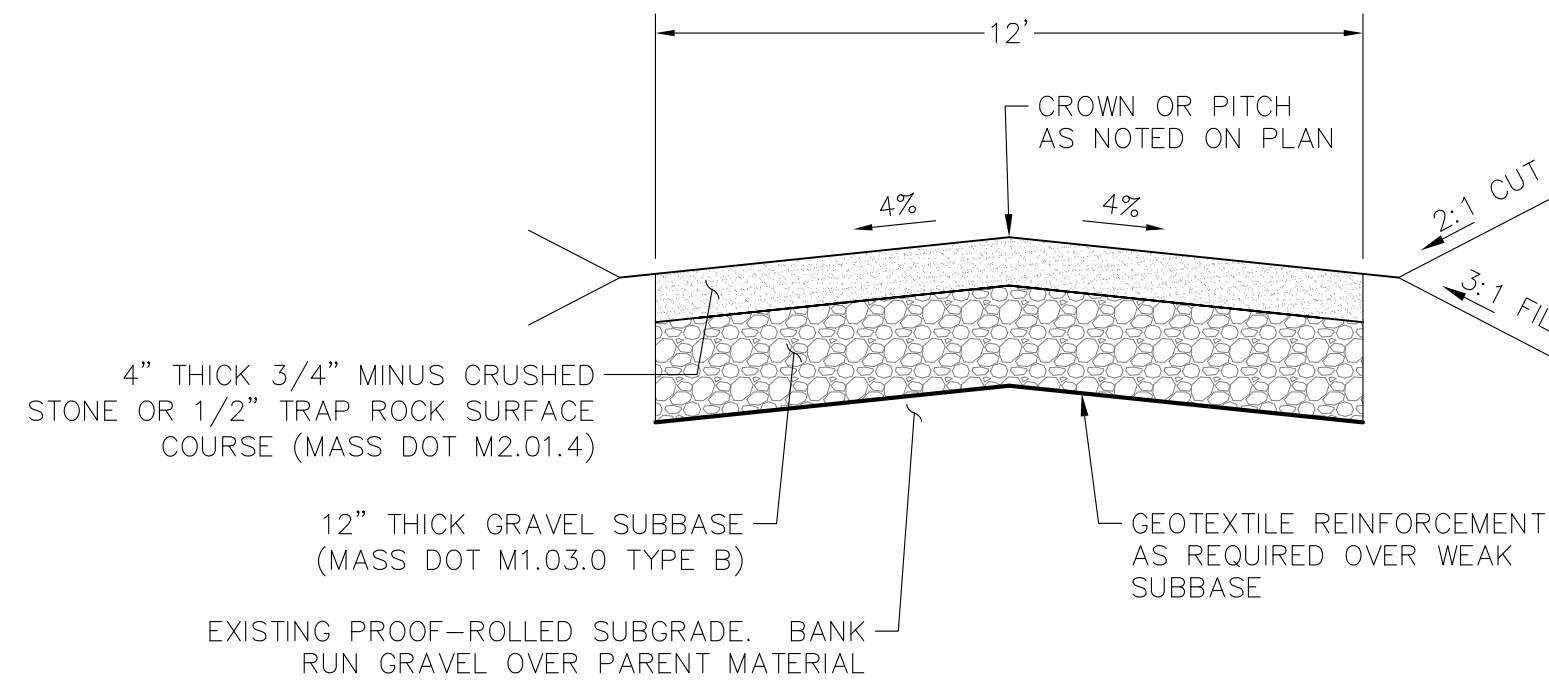
DETAILS

D-1



CHAIN LINK FENCE
SCALE: NONE

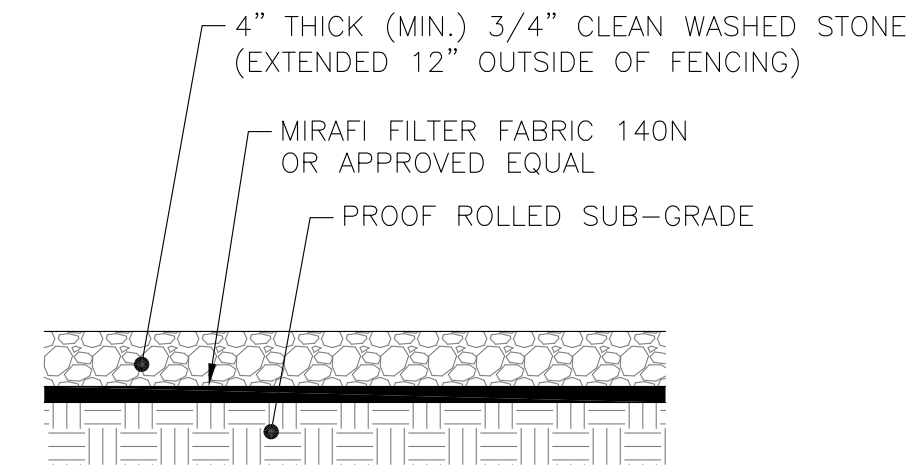
1
D-1



- NOTES:**
- ALL GRANULAR MATERIALS SHALL BE COMPACTED TO 95±% MAXIMUM DRY DENSITY BY STD. PROCTOR METHOD
 - ALL CUT AND FILL SLOPES TO BE COVERED WITH JUTE MESH EROSION CONTROL BLANKETS AND/OR HYDROSEEDED WITH NEW ENGLAND ROADSIDE MATRIX MIX AT 35LBS PER ACRE OR EQUAL.
 - IF GROUNDWATER IS INTERCEPTED, A SUBDRAIN OUTLETTED TO DAYLIGHT SHALL BE REQUIRED. CONTACT ENGINEER FOR SUITABLE DETAIL.

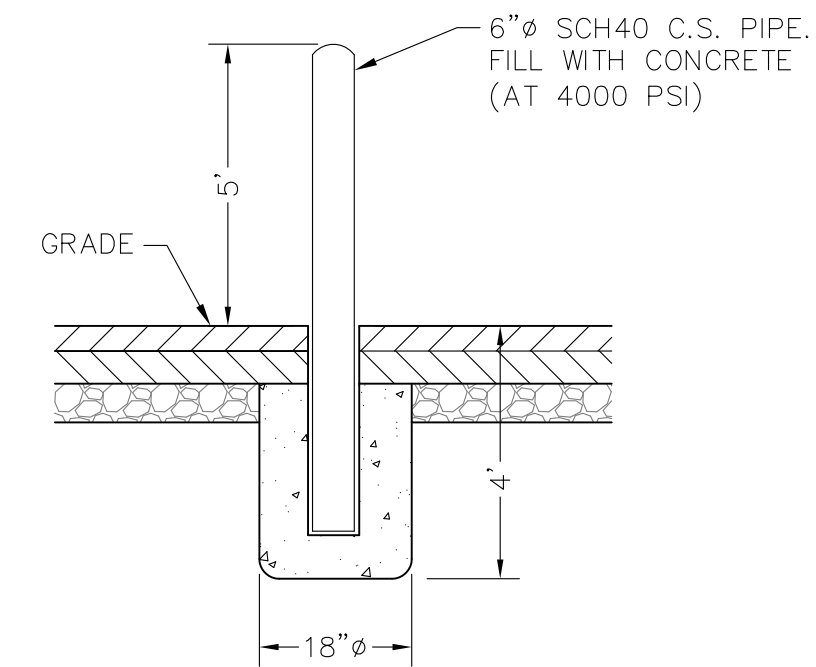
DRIVEWAY SECTION
SCALE: NONE

2
D-1



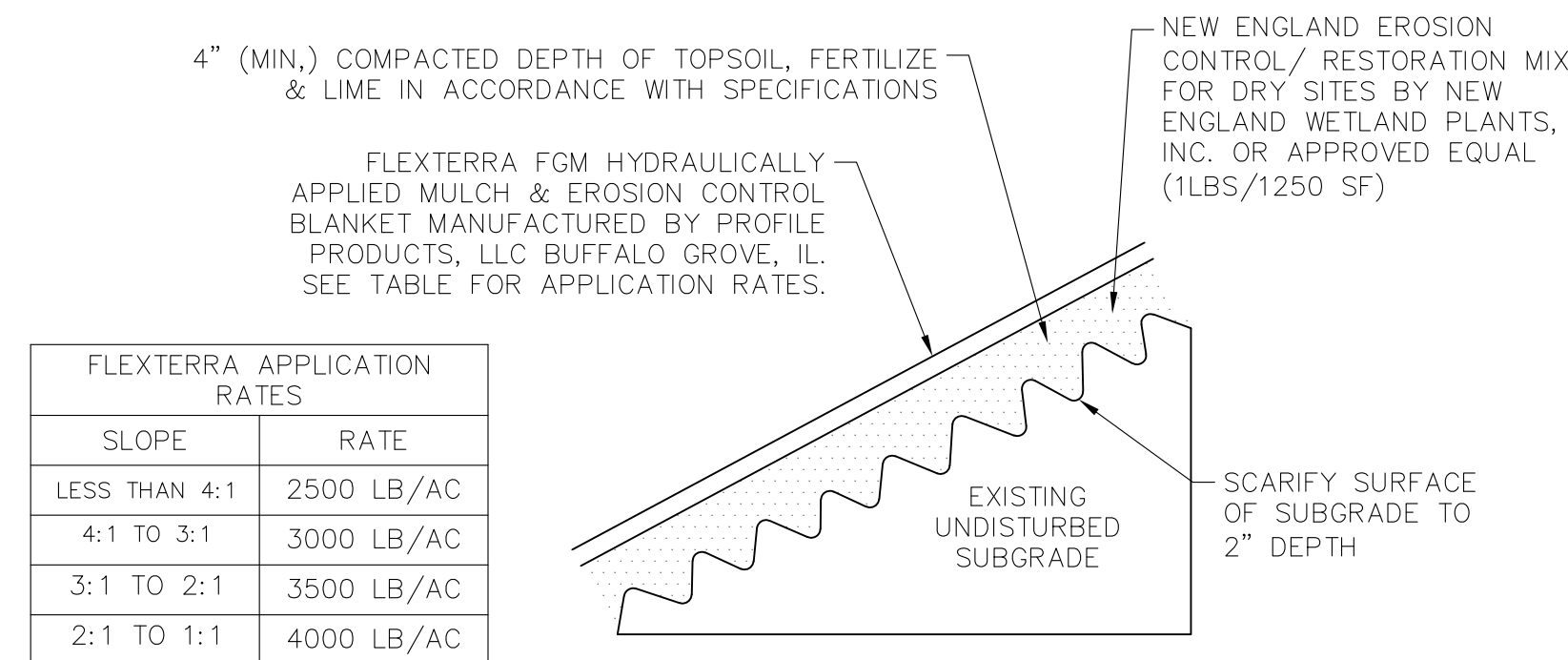
COMPOUND SURFACE
SCALE: NONE

3
D-1



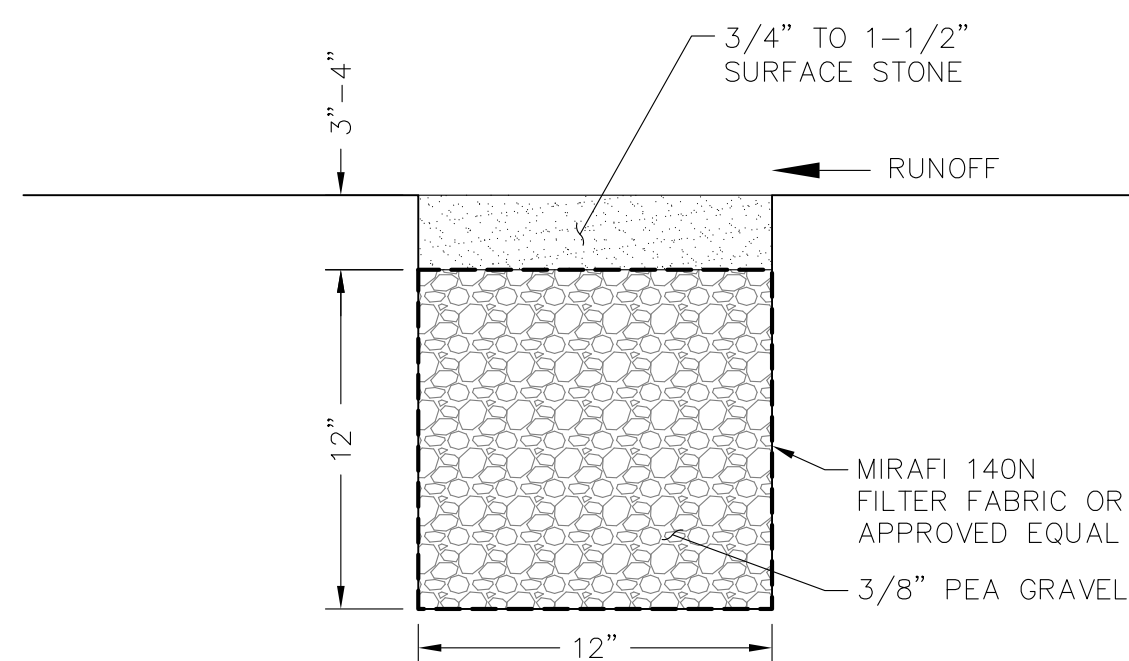
BOLLARD
SCALE: NONE

4
D-1



SLOPE TREATMENT
SCALE: NONE

5
D-1



PEA GRAVEL DIAPHRAGM
SCALE: NONE

6
D-1

This site is owned and managed by BlueSky Tower Partners, LLC

BlueSky Tower Partners LLC

For information on leasing or site access, please contact us at: (888) 960-7958 or info@blueskytower.com

www.blueskytower.com

MASHPEE FIRE STATION #2 (MA-5112)

BST Site: _____

FCC Tower ID: _____ N/A _____

No Trespassing

Prior authorization required.
Violators will be prosecuted to the fullest extent of the law.

DOES NOT INCLUDE FCC REGULATED SIGNAGE PER THE CARRIERS FEDERAL LICENSE.

EMERGENCY CONTACT SIGN
SCALE: NONE

7
D-1

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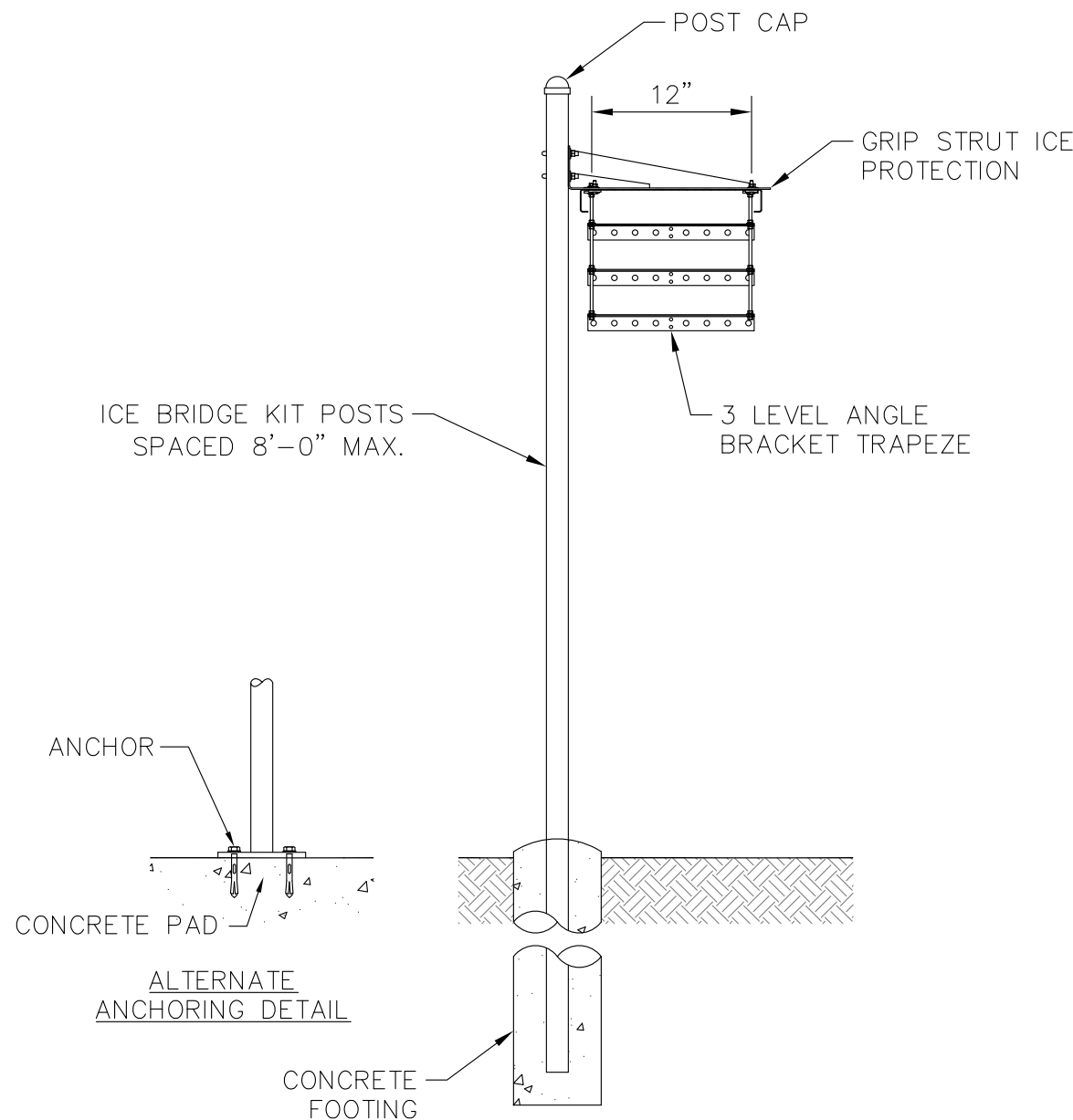
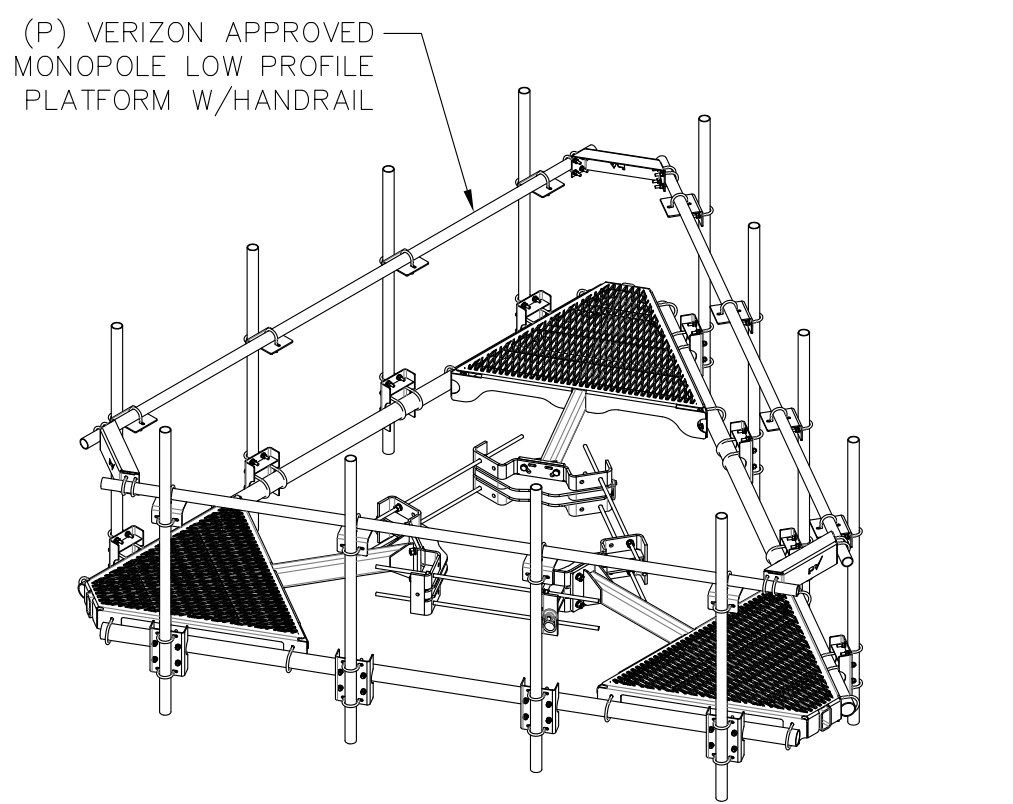
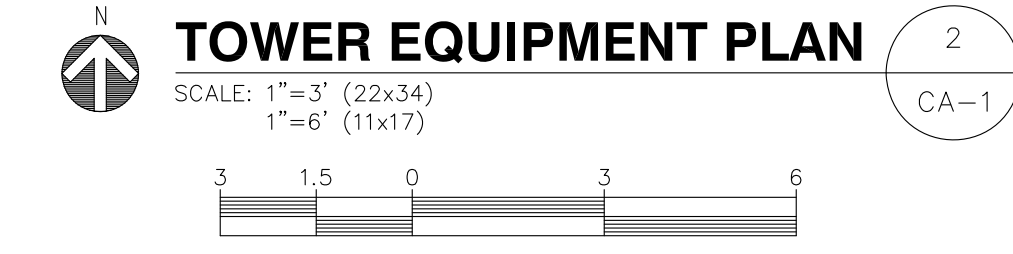
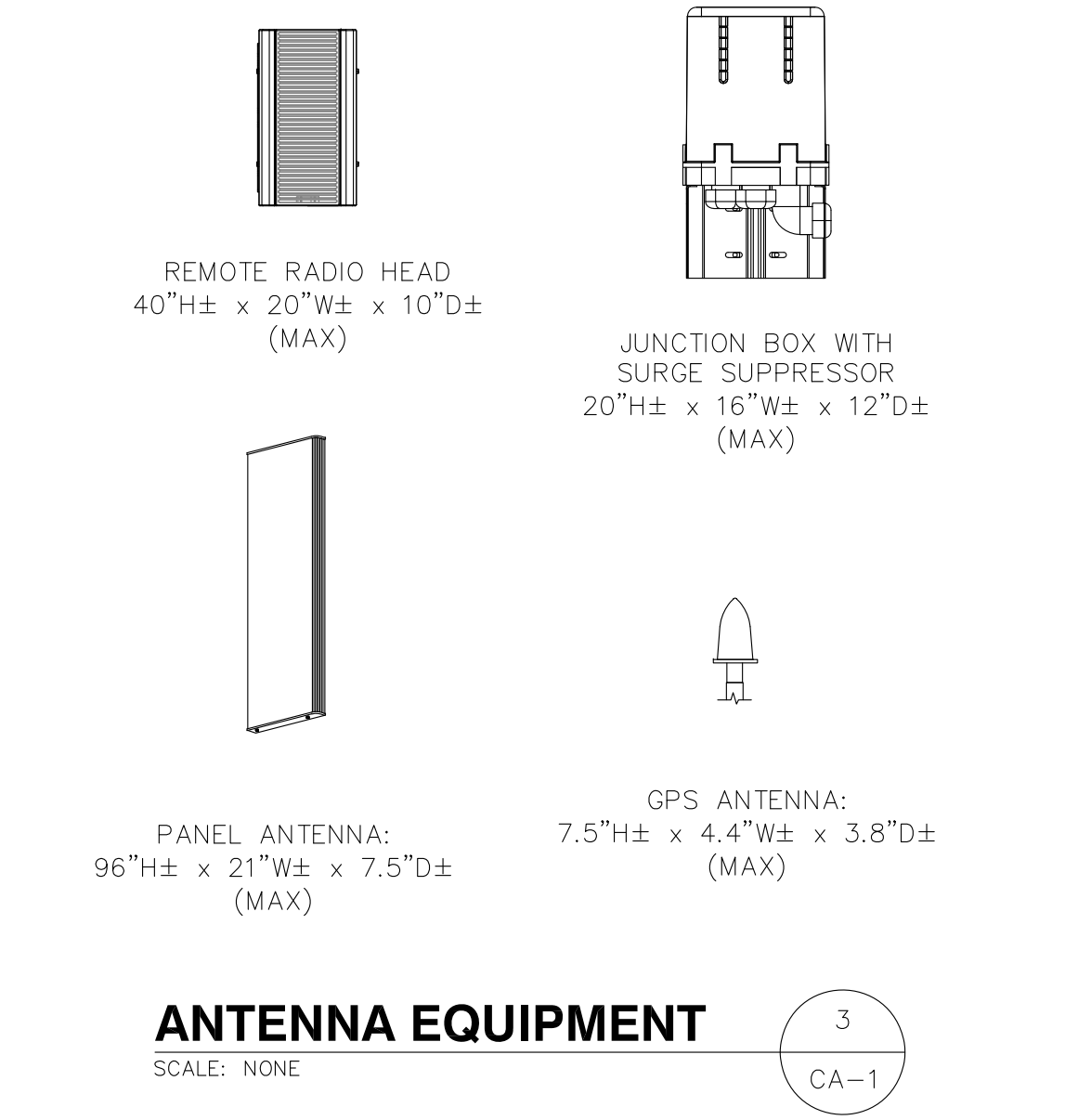
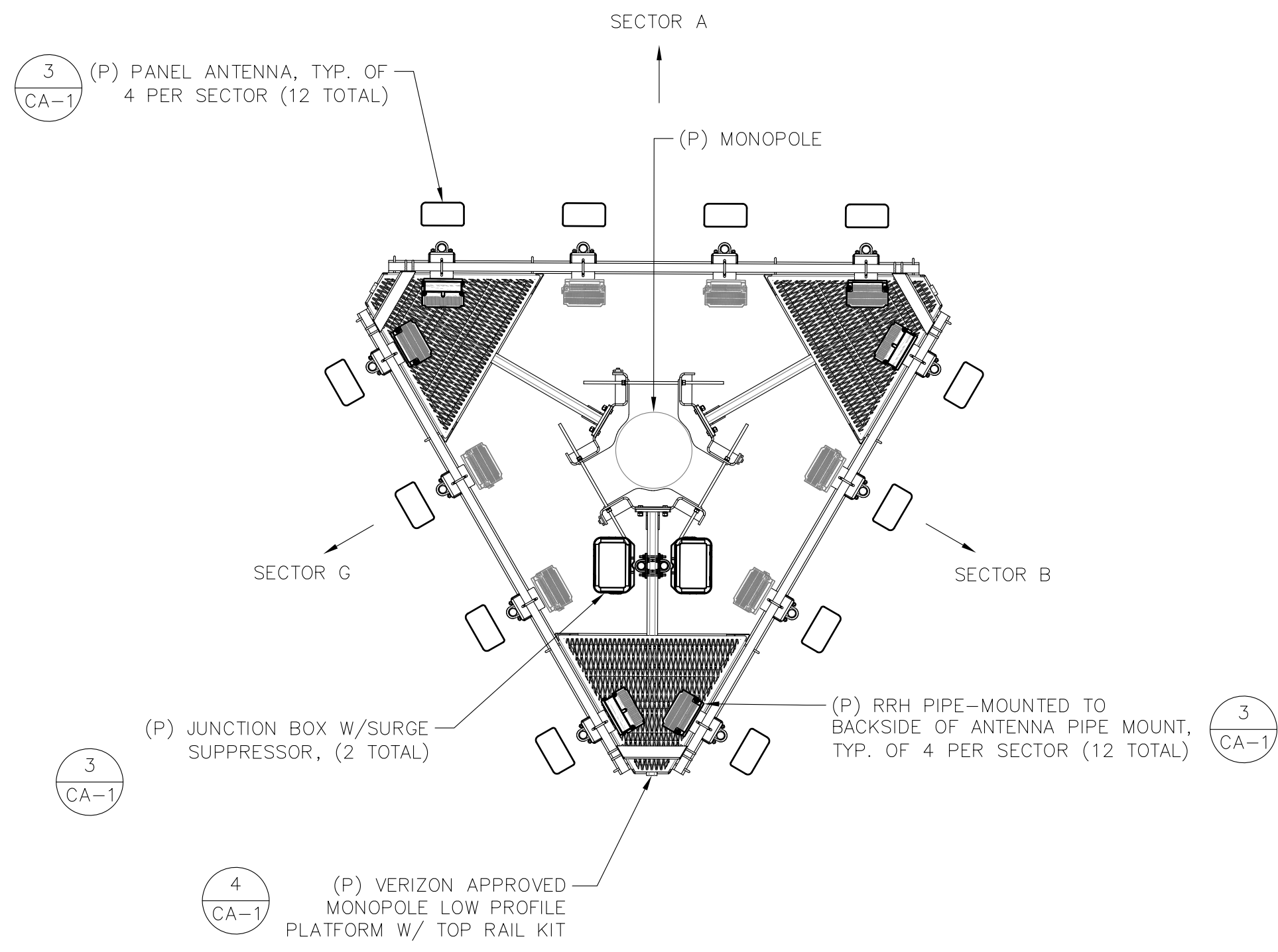
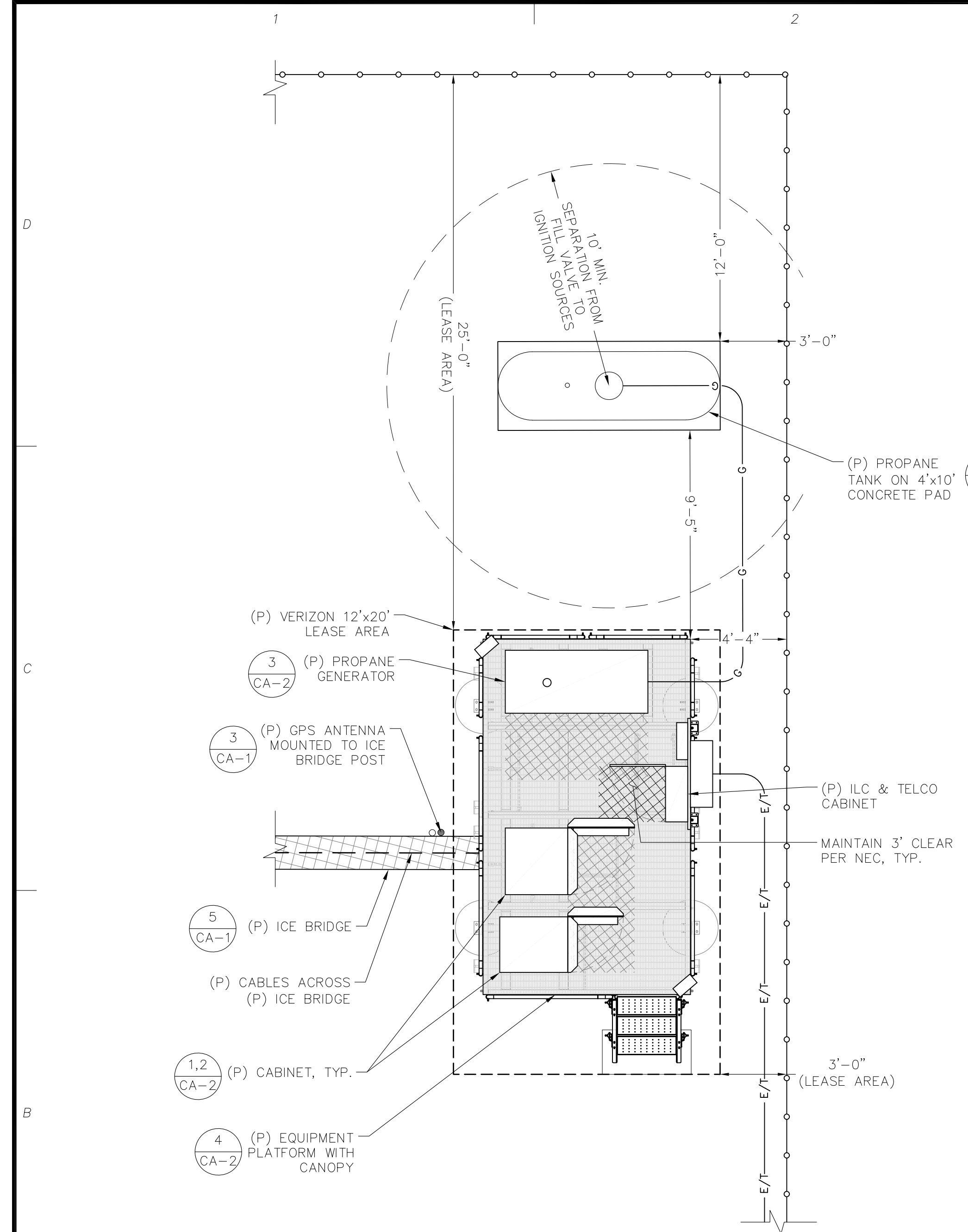
APPLICANT:
BLUE SKY TOWERS, LLC
362 PARK STREET
SUITE 106
TOWERS, LLC NORTH READING, MA 01864

STAMP:

DATE: 09/27/17
DRAWN: BLM/STZ
CHECK: JMM/TEJ
SCALE: SEE PLAN
JOB NO.: 17-063

SHEET TITLE:
CO-APPLICANT
DETAILS

CA-1



CO-APPLICANT INFORMATION

SITE NUMBER: 138554
SITE NAME: NEW SEABURY MA

CELLCO PARTNERSHIP
d/b/a VERIZON WIRELESS
118 FLANDERS ROAD
THIRD FLOOR
WESTBOROUGH, MA 01581

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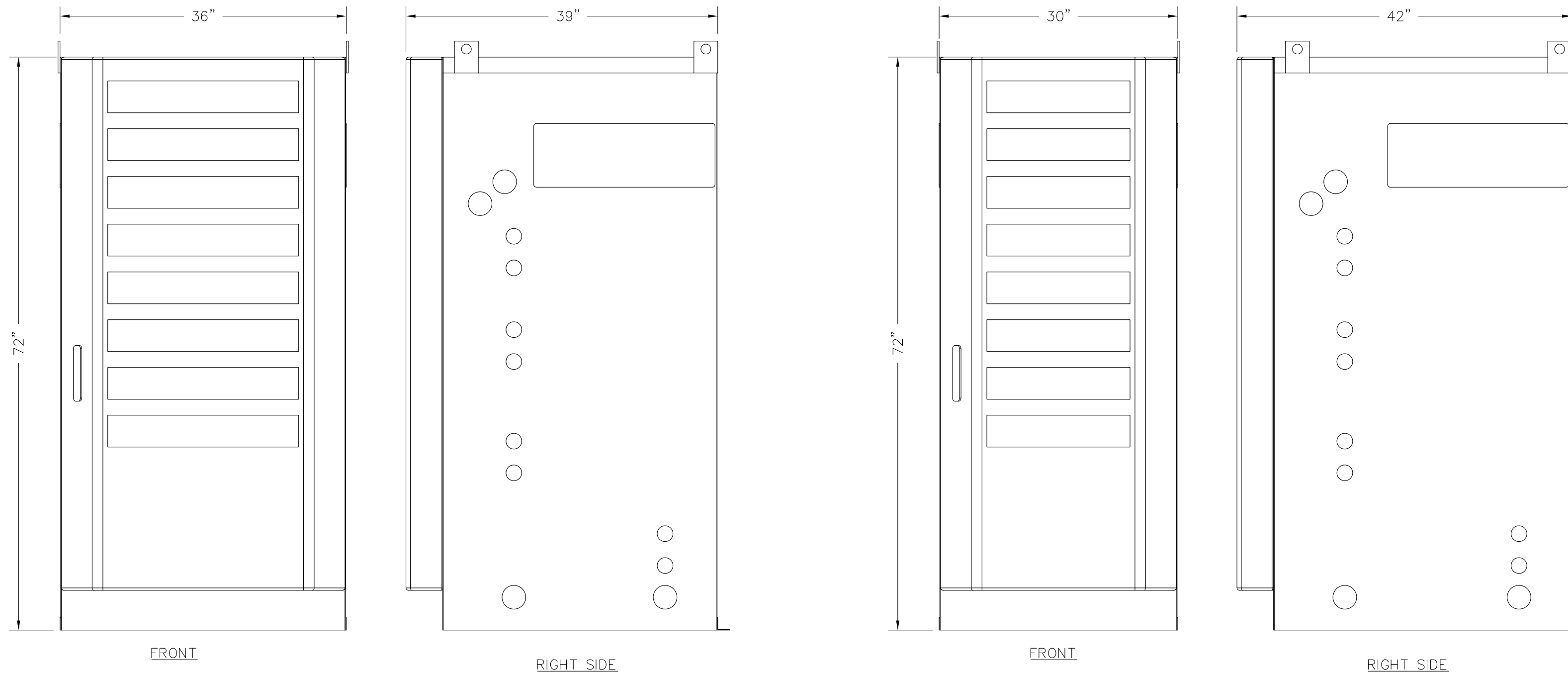
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SHEET TITLE:

CO-APPLICANT
DETAILS

CA-2

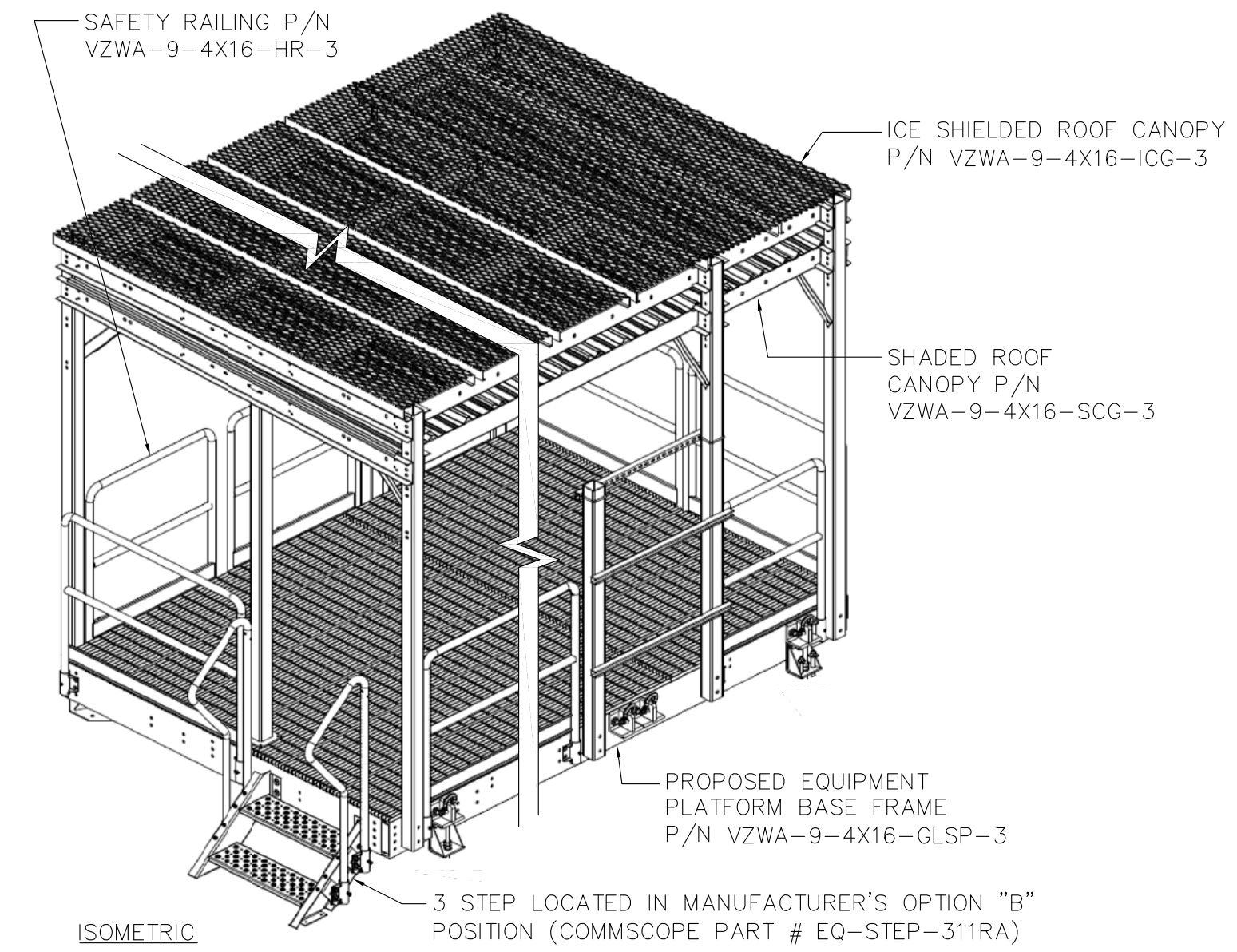


BATTERY CABINET
SCALE: NONE

1
CA-2

POWER & EQUIPMENT CABINET
SCALE: NONE

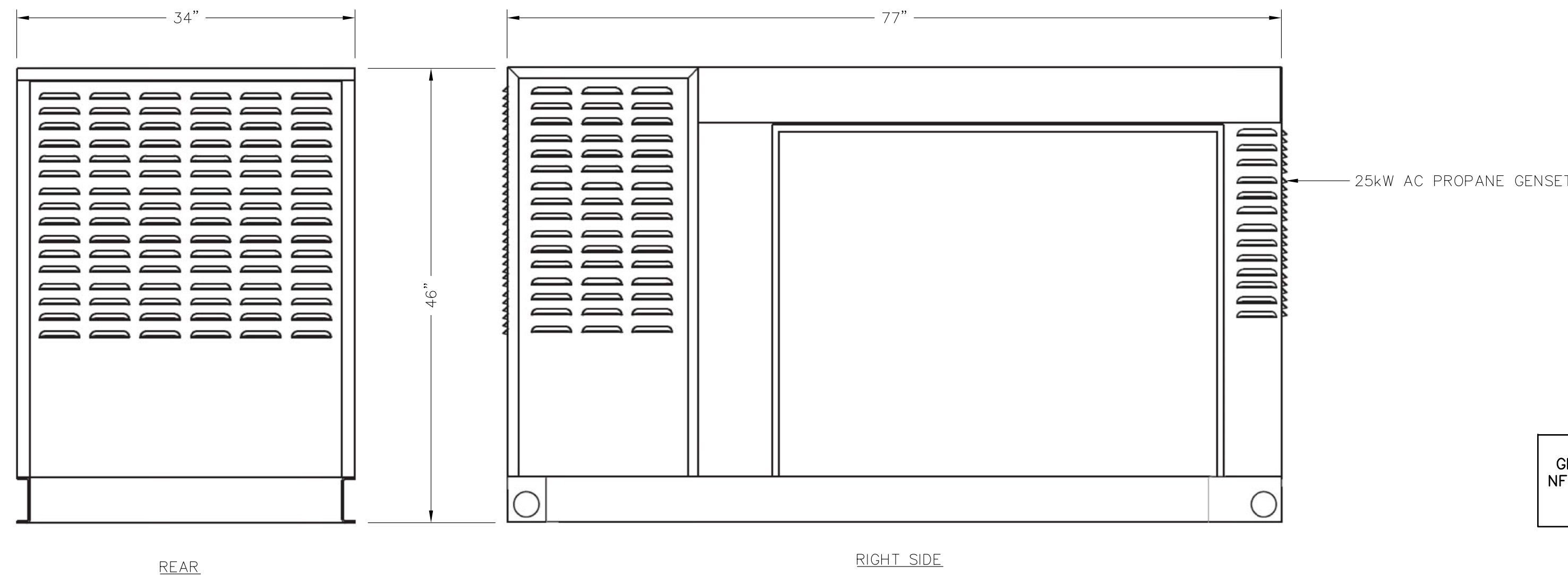
2
CA-2



PART NO.	DESCRIPTION
VZWA-9-4X16-GLSP-3	9-4X16 BASE INT PLATFORM ASSMBL.
VZWA-9-4X16-HR-3	SAFETY RAILING-REMOVABLE ROUND TUBULAR 9'-4"X16-3
VZWA-9-4X16-SCG-3	SHADED ROOF CANOPY - 9.3' X 16'
VZWA-9-4X16-ICG-3	ICE SHIELDED ROOF CANOPY - 9'-4" X 16' W/GENERATOR
MTC3823A	FIXED FOOT (SUPPLIED AS PART OF INTEGRATED PLATFORM ATTACHMENT KIT)

EQUIPMENT FRAME ISOMETRIC
SCALE: NONE

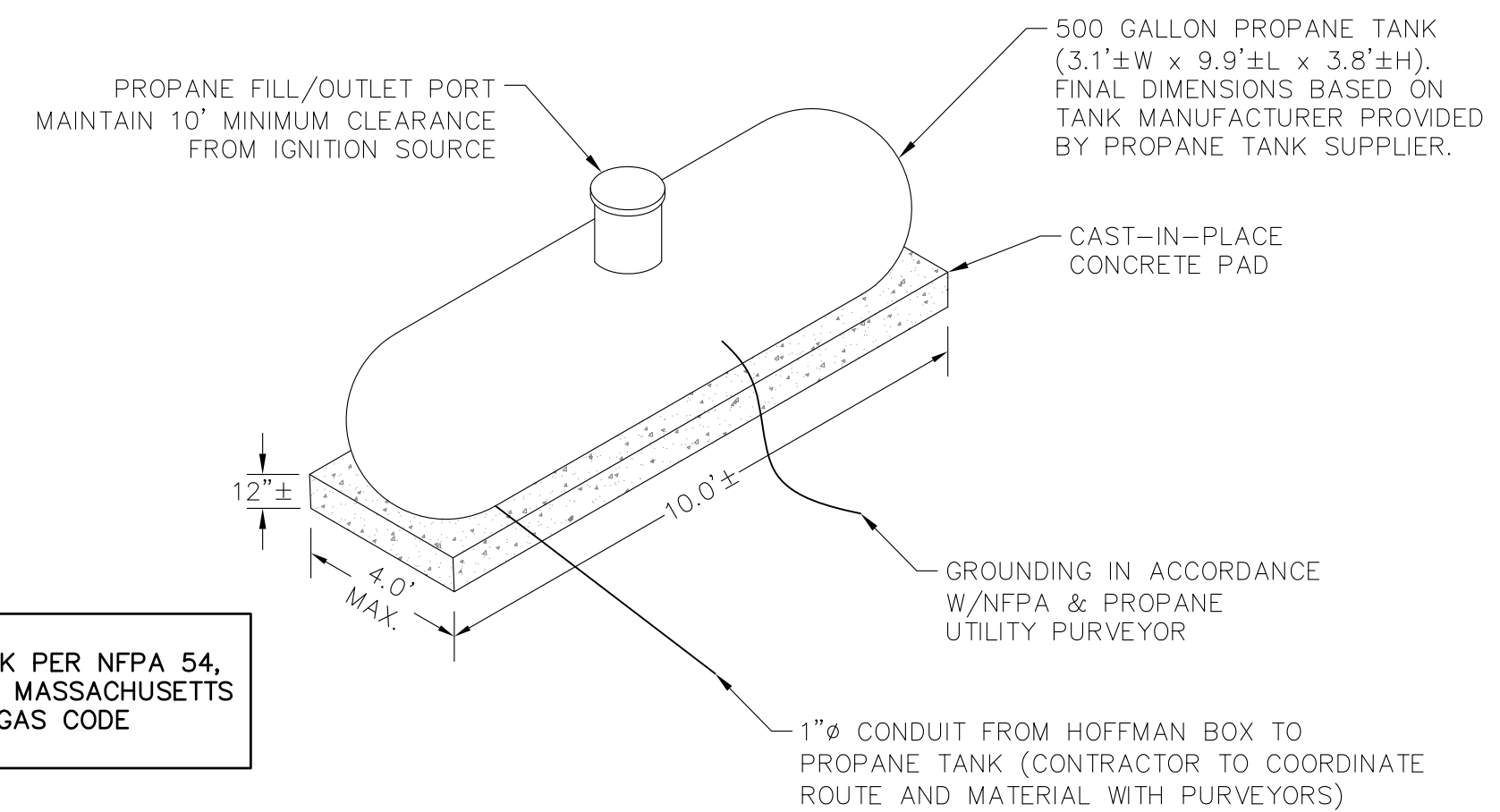
4
CA-2



- NOTES:
- INSTALLER TO EXTEND OUT FROM BENEATH THE CANOPY AND TEE EXHAUST IN ACCORDANCE WITH MANUFACTURER STANDARDS.
 - ADD RES. GRADE SILENCER.
 - PROPANE MONITOR SHALL BE INSTALLED.

25kW AC GENERATOR
SCALE: NONE

3
CA-2



GROUND TANK PER NFPA 54, NFPA 58 AND MASSACHUSETTS FUEL GAS CODE

- NOTES:
- THE PROPANE SYSTEM IS SHOWN ON THIS DRAWING AS A SCHEMATIC ONLY. A LICENSED GAS FITTER SHALL OBTAIN ALL REQUIRED PERMITS AND CONSTRUCT IN ACCORDANCE WITH THE UTILITY PURVEYOR AND MASSACHUSETTS FUEL GAS CODE AS NECESSARY.

PROPANE TANK ON CONCRETE PAD
SCALE: NONE

5
CA-2

CO-APPLICANT INFORMATION



SITE NUMBER: 138554
SITE NAME: NEW SEABURY MA
CELLCO PARTNERSHIP
d/b/a VERIZON WIRELESS
118 FLANDERS ROAD
THIRD FLOOR
WESTBOROUGH, MA 01581

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MASHPEE, MA 02649

APPLICANT: BLUE SKY TOWERS, LLC
362 PARK STREET
SUITE 106
NORTH READING, MA 01864

STAMP:

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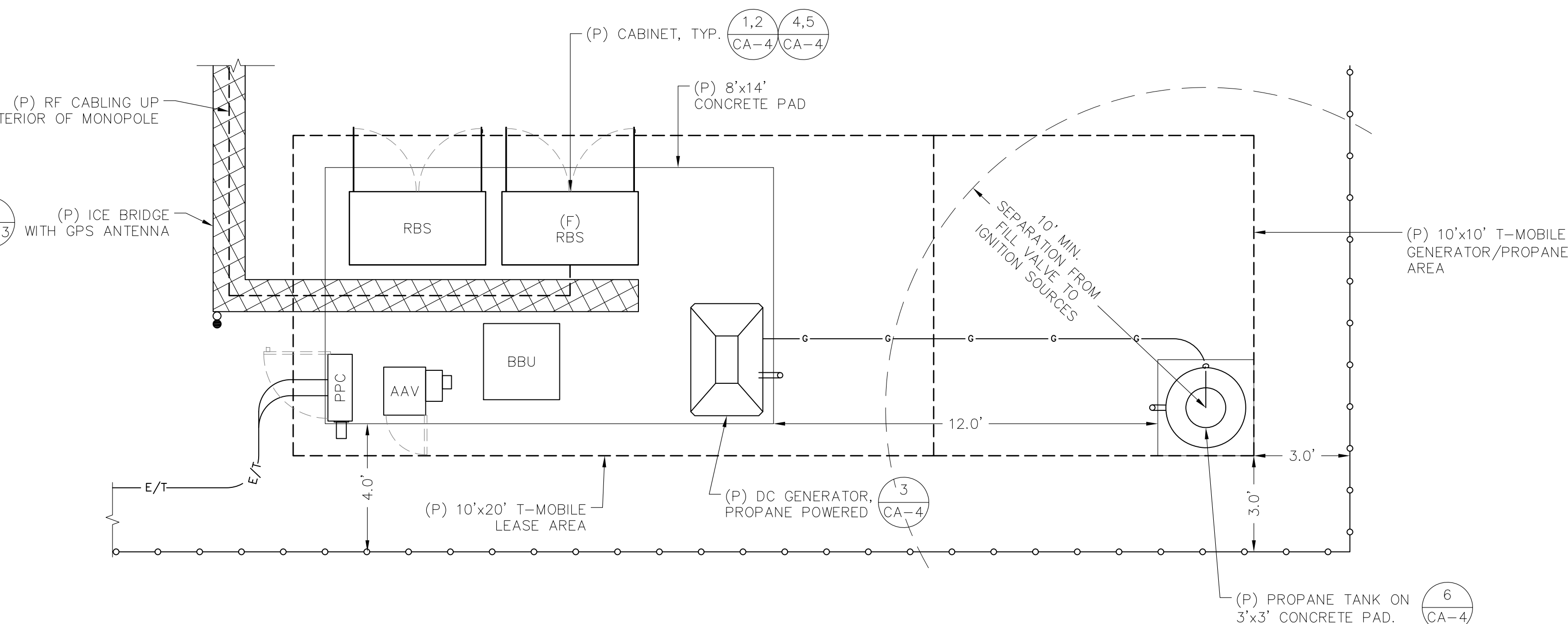
SHEET TITLE:
CO-APPLICANT
DETAILS

CA-3

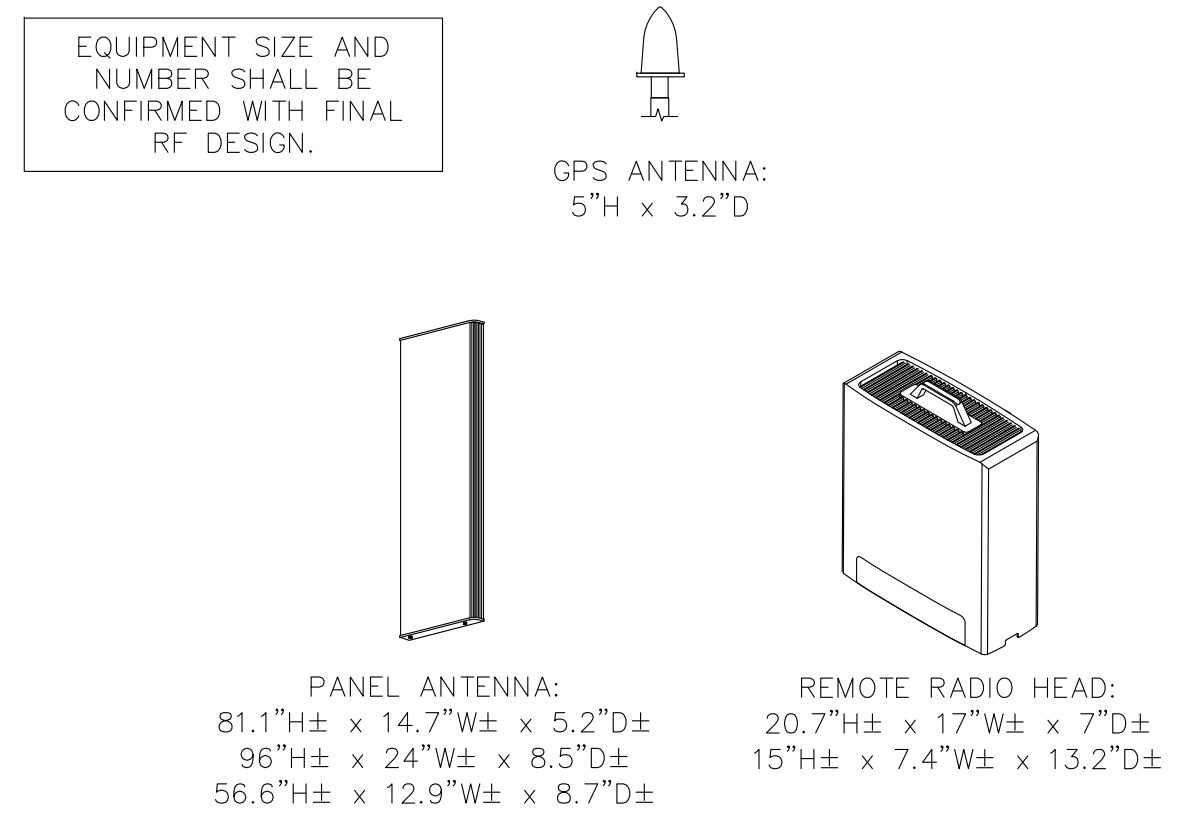
CO-APPLICANT INFORMATION

SITE NUMBER: 4HY0603

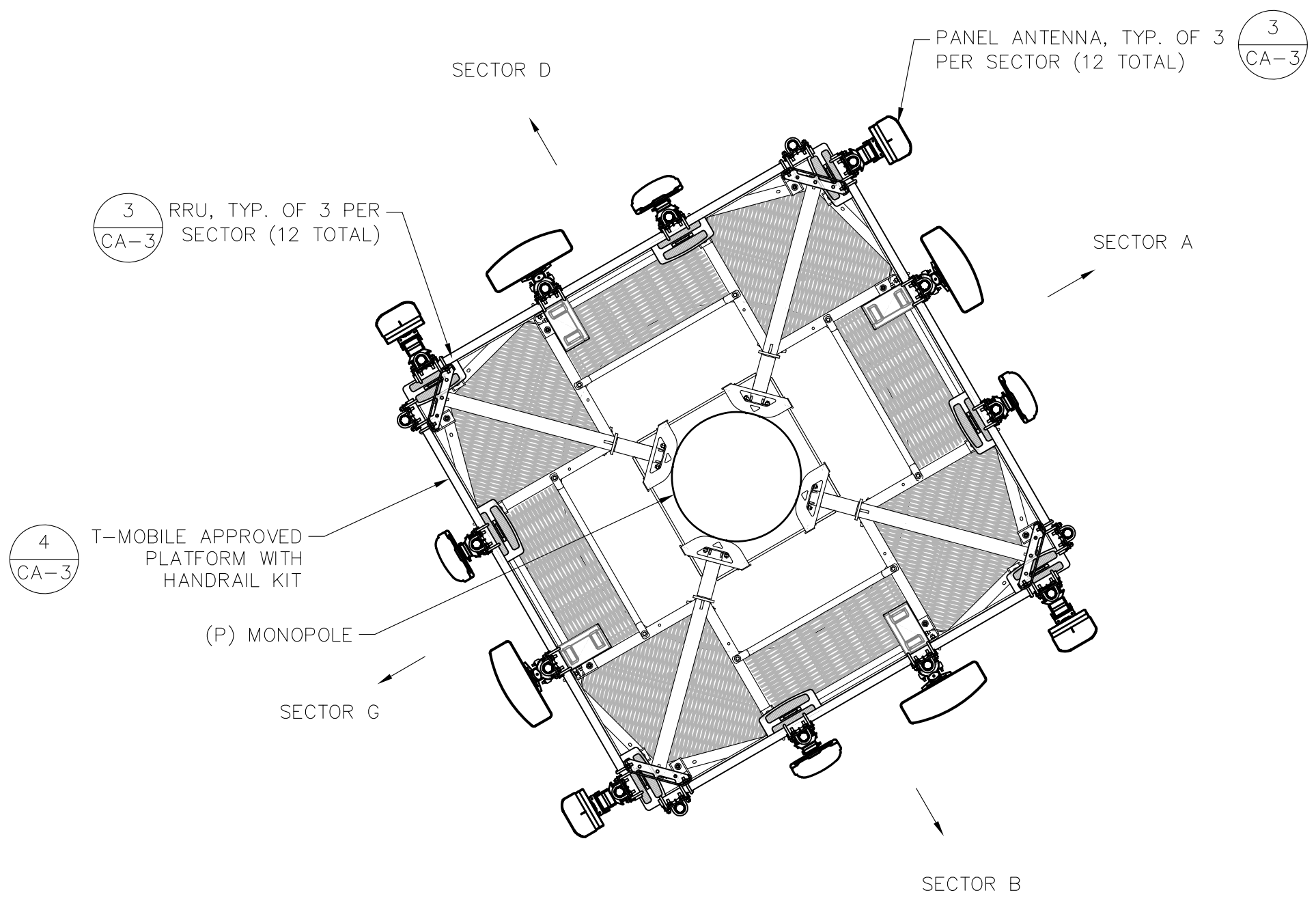
T-MOBILE NORTHEAST, LLC
15 COMMERCE WAY
SUITE B
NORTON, MA 02766
OFFICE: (508) 286-2700
FAX: (508) 286-2893



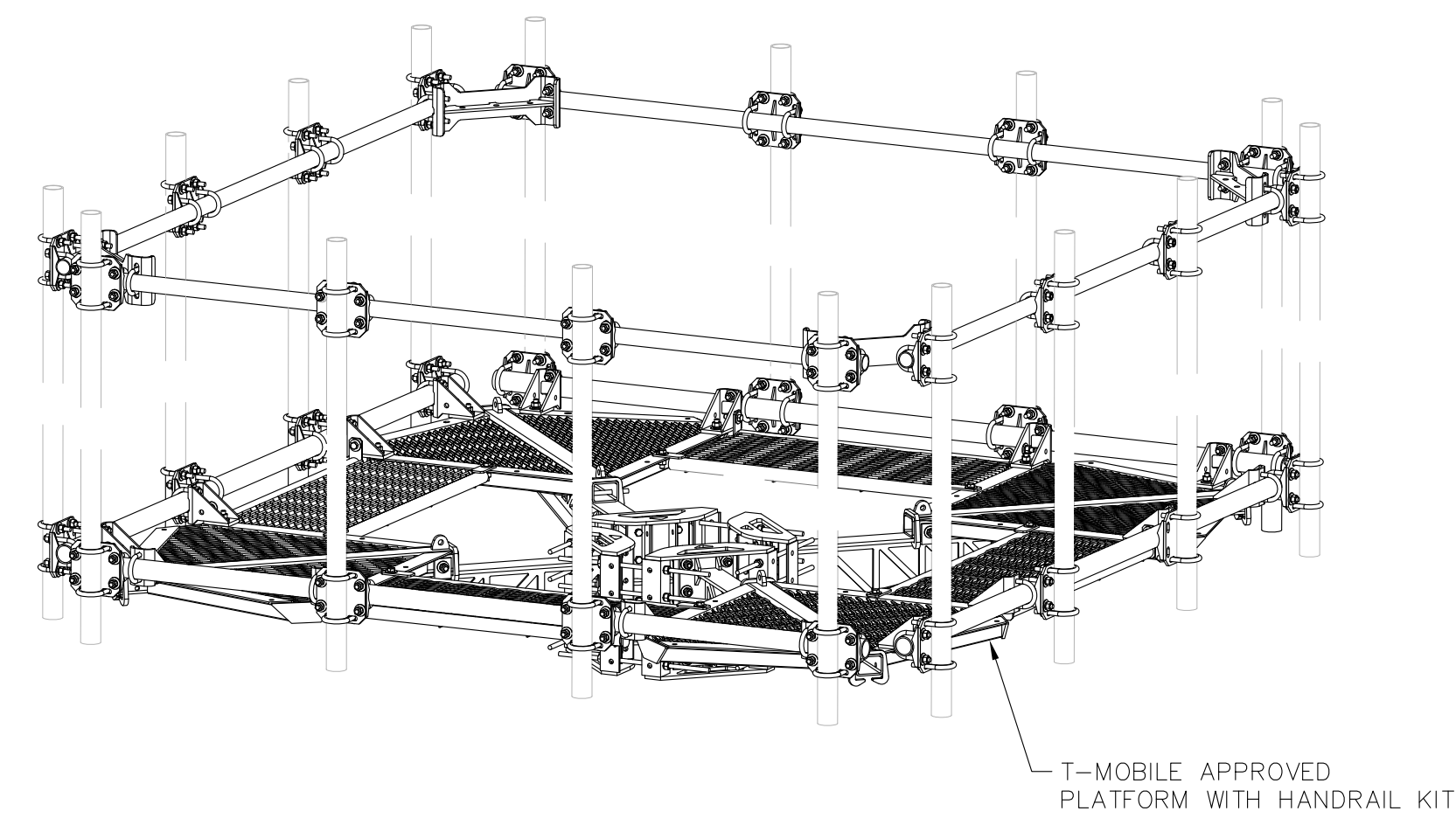
GROUND EQUIPMENT LAYOUT PLAN
SCALE: 1"=3' (22x34)
1"=6' (11x17)



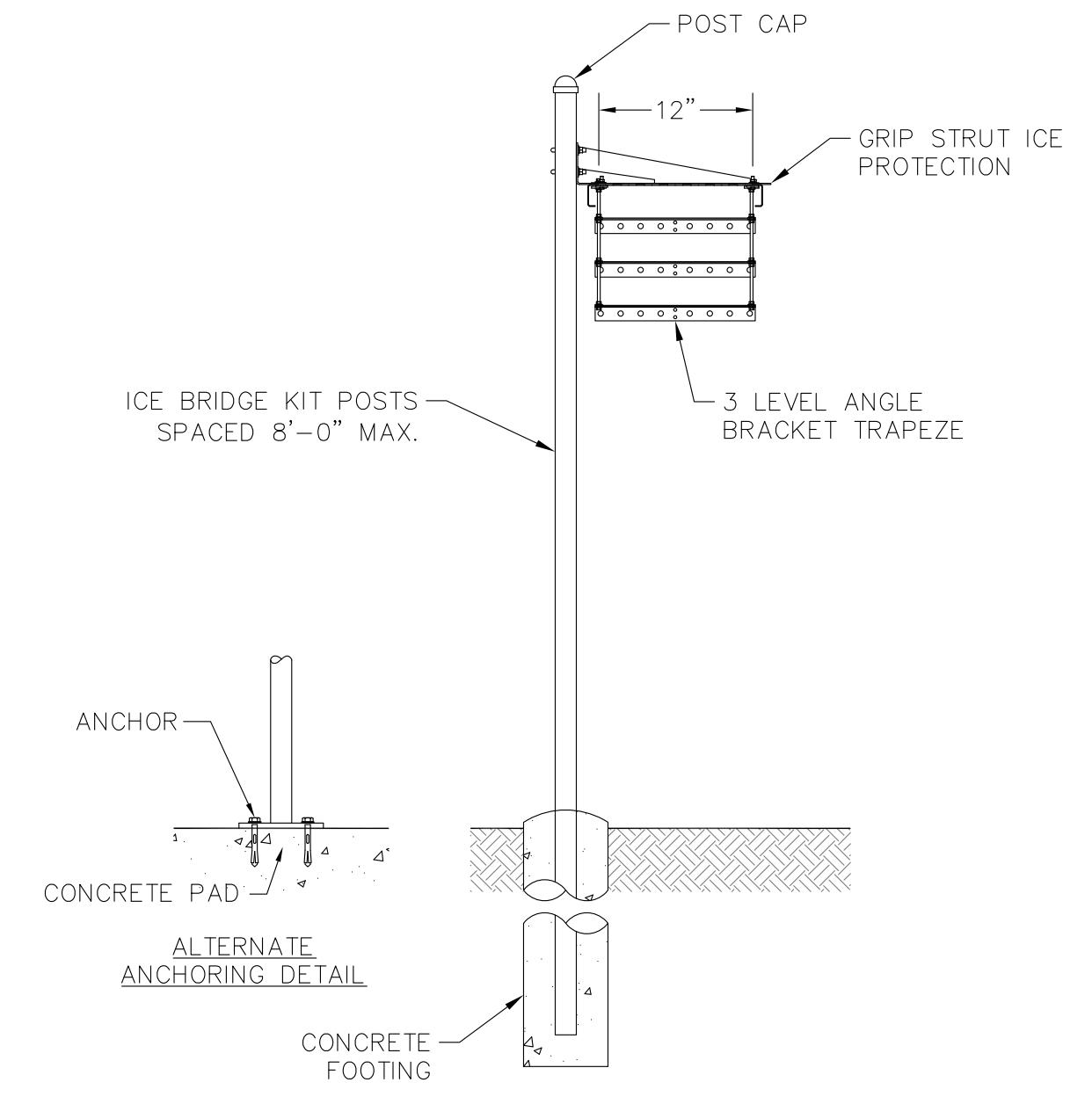
ANTENNA EQUIPMENT
SCALE: NONE



TOWER EQUIPMENT PLAN
SCALE: 1"=3' (22x34)
1"=6' (11x17)

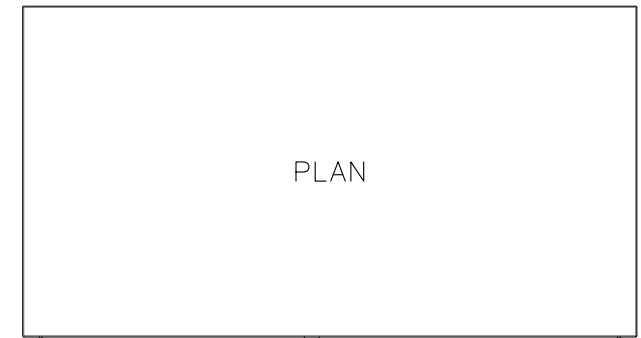


PLATFORM ISOMETRIC
SCALE: NONE

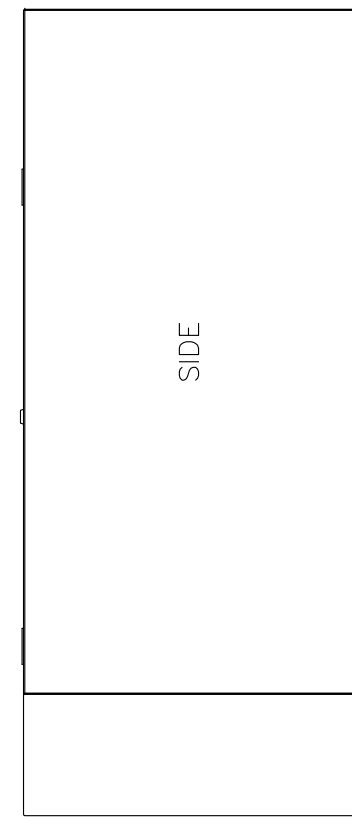
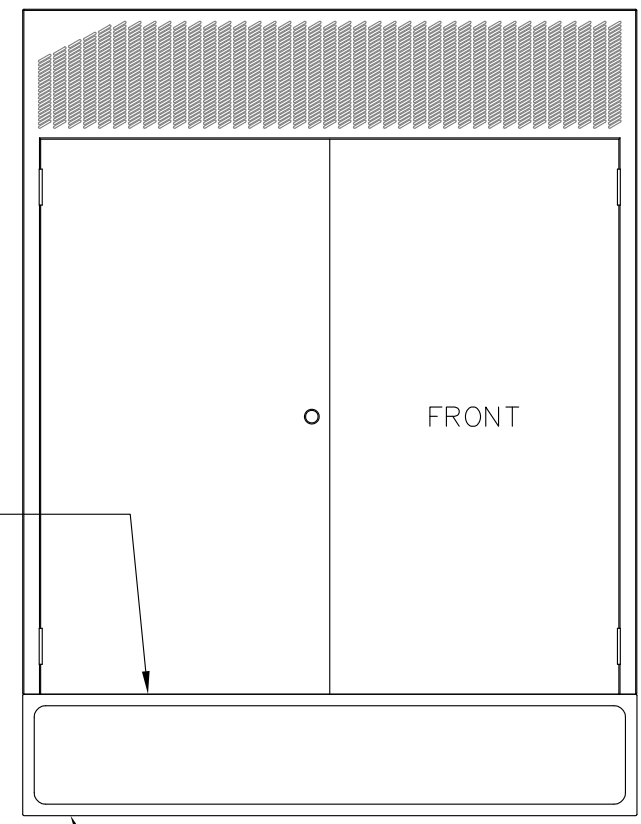


ICE BRIDGE
SCALE: NONE

1 2 3 4 5



MODEL	RBS 6102
MANUFACTURER	ERICSSON
WIDTH	51.2"
DEPTH	27.6"
HEIGHT	57.1"
WEIGHT (WITHOUT BATTERIES)	728 LBS.



ATTACH RBS CABINET TO BASE FRAME PER MANUFACTURER'S GUIDELINES

RBS BASE FRAME (DIMENSIONS TBD). ANCHOR TO CONCRETE PAD PER MANUFACTURER'S GUIDELINES

EQUIPMENT CABINET (RBS)

SCALE: NONE

1
CA-4

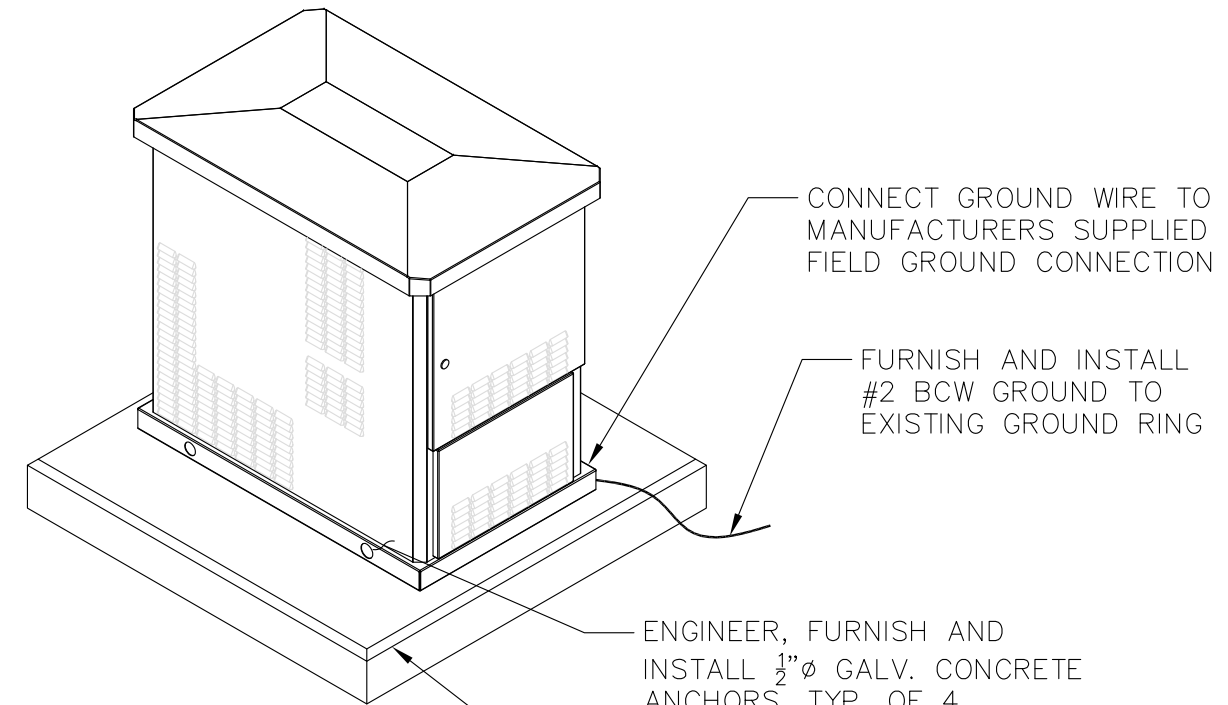
CO-APPLICANT INFORMATION

SITE NUMBER: 4HY0603
 T-MOBILE NORTHEAST, LLC
 15 COMMERCE WAY
 SUITE B
 NORTON, MA 02766
 OFFICE: (508) 286-2700
 FAX: (508) 286-2893

CONSULTANTS:

NO.	DATE	REVISIONS
A	09/27/17	ISSUED FOR REVIEW
B	10/18/17	CCC PRELIM. REVIEW
C	11/17/17	ISSUED FOR REVIEW
D	02/14/18	ISSUED FOR REVIEW

TYPE	7.5 KW, 48VDC
MANUFACTURER	DELTA ELECTRONICS, INC.
MODEL	ESOG150-PCA01
FUEL	LP @ 11" W.C.
HEIGHT	40.1"
WIDTH	27"
DEPTH	42"
FRONT CLEARANCE	36"
SIDE CLEARANCE	18"
REAR CLEARANCE	60"

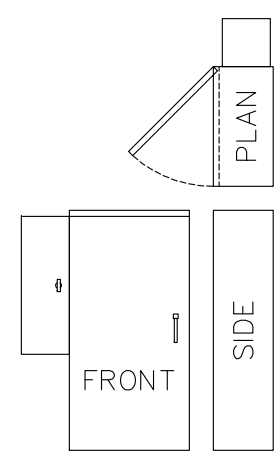


APU, GENERATOR DETAIL

SCALE: NONE

3
CA-4

MODEL	3799340400
MANUFACTURER	DELTA
WIDTH	20"
DEPTH	10"
HEIGHT	40"
WEIGHT	75 LBS.

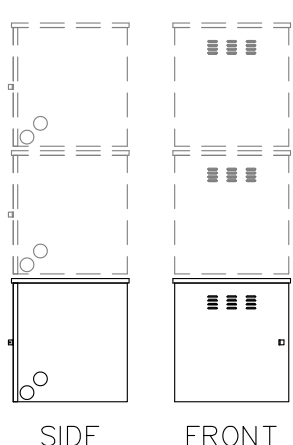


POWER PROTECTION CABINET (PPC)

SCALE: NONE

2
CA-4

MAINTAIN MINIMUM NEC-COMPLIANT WORKSPACE CLEARANCE 30" WIDE, 36" DEEP, 6'-6" HEIGHT

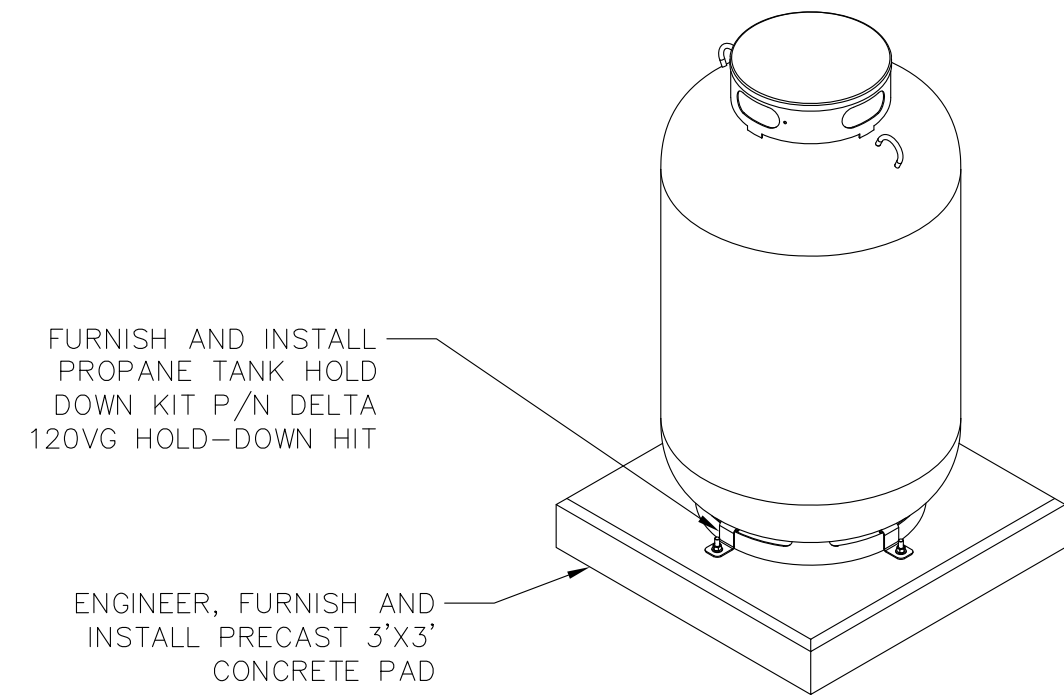


MODEL	DUBBM-2ALM
MANUFACTURER	MFS DATA SERVICES
WIDTH	28.54"
DEPTH	28.54"
HEIGHT (1 UNIT)	29.67"
HEIGHT (3 UNITS)	89.01"

BATTERY BACK-UP CABINET (BBU)

SCALE: NONE

5
CA-4



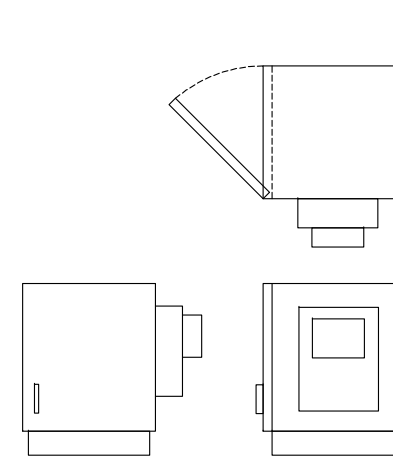
TYPE	ASME, VERTICAL
CAPACITY	120gal/420lbs
HEIGHT	54"±
DIA.	30"±

PROPANE TANK DETAIL

SCALE: NONE

6
CA-4

MODEL	RAC-24
MANUFACTURER	PURCELL
WIDTH	25.4"
DEPTH	20.0"
HEIGHT	24.0" (37.1" WITH PLINTH)
WEIGHT	85 LBS. (EMPTY) 388 LBS. (MAX.)



PURCELL CABINET (AAV)

SCALE: NONE

4
CA-4

TITLE: SITE NAME: MASHPEE FIRE STATION #2
SITE NUMBER: MA-5112
ADDRESS: 101 RED BROOK ROAD
MASHPEE, MA 02649

APPLICANT:
BLUE SKY TOWERS, LLC
 362 PARK STREET
 SUITE 106
 NORTH READING, MA 01864

STAMP:

DATE: 09/27/17
 DRAWN: BLM/STZ
 CHECK: JMM/TEJ
 SCALE: SEE PLAN
 JOB NO.: 17-063

SHEET TITLE:
CO-APPLICANT DETAILS
CA-4

1 2 3 4 5

D

C

B

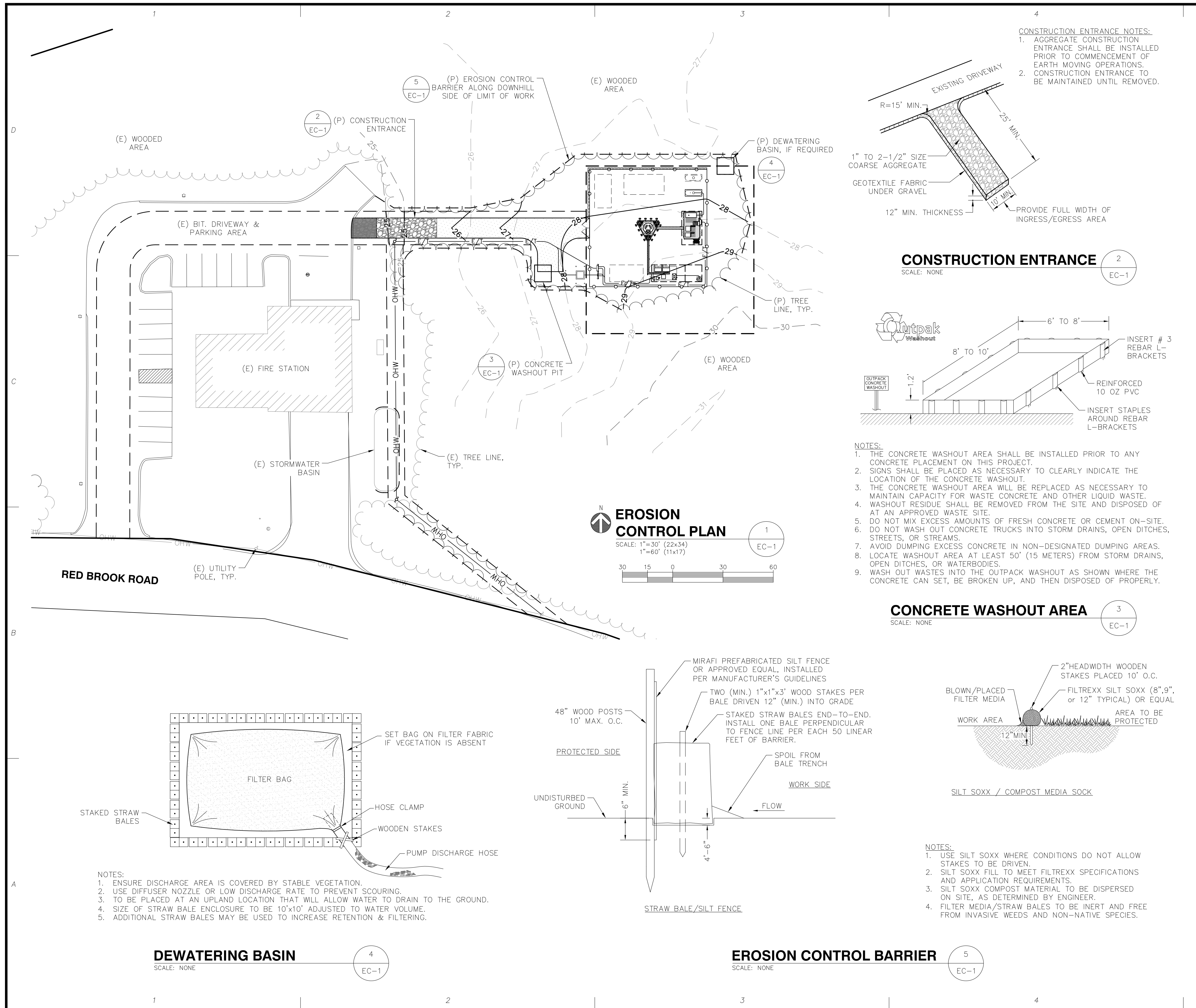
A

D

C

B

A



- EROSION CONTROL NOTES**
- APPLICANT PROPOSES TO CONSTRUCT A CELLULAR TELECOMMUNICATIONS FACILITY CONSISTING OF A FENCED COMPOUND AND UTILITY WORK WITHIN A LEASE AREA AND EASEMENTS.
 - TEMPORARY SILT FENCE EROSION CONTROL BARRIER SHALL BE MAINTAINED THROUGHOUT SITE CONSTRUCTION. STOCK PILE ON SITE 100 FT. OF SILT FENCE FOR EMERGENCY USE. TEMPORARY EROSION BARRIERS SHALL REMAIN IN PLACE UNTIL PERMANENT VEGETATIVE GROUND COVER IS ESTABLISHED.
 - THE CONTRACTOR SHALL CHIP ALL BRUSH AND SLASH CUTTINGS ON SITE AND STOCKPILE THE CHIPS TO BE USED ON ALL UNSTABLE, DISTURBED AREAS DURING CONSTRUCTION AS TEMPORARY STABILIZATION MULCH. NO BURNING WILL BE ALLOWED ON SITE.
 - TEMPORARY STABILIZATION MUST BE PROVIDED TO ANY DISTURBED EARTH THAT IS OPENED UP IN ANY ONE LOCATION FOR MORE THAN 14 DAYS. CHIPS FROM LAND CLEARING, EROSION CONTROL BLANKETS, OR FAST GROWING RYE GRASSES MAY BE USED FOR TEMPORARY STABILIZATION AS REQUIRED.
 - STRIPPED TOPSOIL SHALL BE STOCKPILED AND PROTECTED WITH STRAW MULCH. ALL STOCKPILES SHALL HAVE AN APPROVED SILTATION BARRIER TOTALLY SURROUNDING THE PILE. THE PILE SHALL BE IN AN APPROVED UPLAND AREA A MINIMUM OF TWENTY-FIVE FEET FROM ALL RESOURCE AREAS.
 - THE PHASING AND SEQUENCING OF THE WORK FOR THE SITE PREPARATION FOR THE TELECOMMUNICATIONS EQUIPMENT INSTALLATION CONSISTS OF INSTALLING TEMPORARY EROSION AND SEDIMENTATION CONTROL BARRIERS; CLEARING AND ROUGH GRADING AS NEEDED; FOUNDATION WORK; EXCAVATION FOR UTILITIES; BACK FILL FOUNDATIONS AND UTILITY TRENCHES; FENCED COMPOUND CONSTRUCTION; INSTALLATION OF TOWER AND GROUND EQUIPMENT; GROUNDING AND LIGHTNING PROTECTION; EQUIPMENT TESTING; FINAL GRADING AND STABILIZATION OF DISTURBED AREAS; LOAM AND SEED DISTURBED AREAS OUTSIDE COMPOUND; FINAL CLEANUP. THE ESTIMATED TIME FOR COMPLETION OF THE WORK IS APPROXIMATELY **SIXTEEN (16) WEEKS**.
 - THE COMPOUND ENCLOSURE IS SURFACED WITH CRUSHED STONE UNDERLAIN BY A WEED-BLOCK SYNTHETIC FILTER FABRIC. DRAINAGE PATTERNS, RUNOFF VOLUMES AND PEAK FLOW RATES WILL NOT BE ALTERED BY THE PROPOSED CONSTRUCTION.
 - ALL DISTURBED AREAS OUTSIDE THE LIMITS OF THE FENCED COMPOUND SHALL BE PERMANENTLY ESTABLISHED WITH A NATIVE VEGETATIVE GROUND COVER AT THE CONCLUSION OF CONSTRUCTION. GRADED AREAS SHALL BE PROTECTED WITH STRAW MULCH UNTIL A GOOD VEGETATIVE COVER IS ESTABLISHED.
 - THE TOTAL IMPACT AREA OF THE DISTURBED CONSTRUCTION SITE IS BOUNDED BY THE "LIMIT OF WORK" AS SHOWN HEREON. THE MAXIMUM AREA OF DISTURBANCE WITHIN THE LIMIT OF WORK IS APPROXIMATELY **12,890 SQUARE FEET**. THE PROJECT IMPACT AREA IS BELOW THE EXEMPTION THRESHOLD OF 43,560 SQUARE FEET IN 40 CFR PARTS 9, 122-124 AND THEREFORE IS NOT SUBJECT TO REGULATION UNDER THE EPA NPDES GENERAL CONSTRUCTION PERMIT PROGRAM.
 - THE PROJECT OWNER'S GENERAL CONTRACTOR SHALL CONDUCT ALL SITE DEVELOPMENT WORK IN A MANNER THAT DOES NOT EXCEED THE LIMITS OF WORK SHOWN ON THE PLANS. ADDITIONALLY, THE PROJECT OWNER'S GENERAL CONTRACTOR SHALL CONDUCT ALL CONSTRUCTION ACTIVITIES IN A MANNER THAT DOES NOT RESULT IN STORM WATER DISCHARGES WITH AN ADVERSE IMPACT ON ANY RESOURCE AREAS OR DOWNSTREAM PROPERTIES.
 - UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL REMOVE ALL ACCUMULATED SILT FROM BEHIND SILTATION BARRIERS AND DISPOSE OF SILT EVENLY IN UPLAND AREAS. REMOVE ALL EROSION CONTROL DEVICES WHEN A GOOD VEGETATIVE COVER IS ESTABLISHED.
 - A CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON THIS PROJECT. SIGNS SHALL BE PLACED AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT. WASHOUT RESIDUE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.

ProTerra
DESIGN GROUP, LLC

4 Bay Road
Building A, Suite 200
Hadley, MA 01035
Ph: (413)320-4918

CONSULTANTS:

NO.	DATE	REVISIONS
A	09/27/17	ISSUED FOR REVIEW
B	10/18/17	CCC PRELIM. REVIEW
C	11/17/17	ISSUED FOR REVIEW
D	02/14/18	ISSUED FOR REVIEW

TITLE: SITE NAME: MASHPEE FIRE STATION #2
SITE NUMBER: MA-5112
ADDRESS: 101 RED BROOK ROAD
MASHPEE, MA 02649

APPLICANT: BLUE SKY TOWERS, LLC
362 PARK STREET
SUITE 106
NORTH READING, MA 01864

STAMP:

DATE: 09/27/17
DRAWN: BLM/STZ
CHECK: JMM/TEJ
SCALE: SEE PLAN
JOB NO.: 17-063

SHEET TITLE: EROSION CONTROL PLAN & DETAILS

EC-1

THPO CORRESPONDENCE

Christopher M. Lucas

From: towernotifyinfo@fcc.gov
Sent: Friday, October 13, 2017 3:02 AM
To: cml@lucasenvironmental.net
Cc: tcnsweekly@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #5435344

Dear Sir or Madam:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the information you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter).

Persons who have received the information that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribal Nations"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribal Nations and NHOs and in making further contacts, the City and State of the Seat of Government for each Tribal Nation and NHO, as well as the designated contact person, is included in the listing below. We note that Tribal Nations may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribal Nations and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribal Nation or NHO. (NPA, Section IV.F.4).

The information you provided was forwarded to the following Tribal Nations and NHOs. If a Tribal Nation or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribal Nation or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event a Tribal Nation or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribal Nation or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Declaratory Ruling released on October 6, 2005 (FCC 05-176).

1. Program Manager Sequahna Mars - Narragansett Indian Tribe - (PO Box: 350) Wyoming, RI - Sequahna@yahoo.com; Nithpotcns@gmail.com - 401-419-2959
Details: NITHPO respectfully requests that additional contacts following initial TCNS notification be made via e-mail to Sequahna Mars, at Sequahna@yahoo.com.

NITHPO respectfully requests a site map (digital if possible) and photographs for all projects that involve ground disturbance.

Please note that NITHPO's current review fees are as follows:

- For projects in which there is to be no ground disturbance the review fee is \$500.
- For ALL projects which include ground disturbance, the review fees \$1000.

2. THPO Gary Loonsfoot Jr - Keweenaw Bay Indian Community - 16429 Beartown Road . Baraga, MI - gloonsfoot@kbic-nsn.gov - 906-353-4278

Details: The KBIC THPO reviews all projects within historic homelands for the presence of cultural resources with significance to the Anishinaabe. Your request will go through a preliminary review by our THPO/NAGPRA Technician, the review consists of relevant studies submitted by the applicant regarding cultural resources documentation, in house literature search, database search and GIS search for further information. If any cultural resources are identified during this process, the file will be turned over to the Tribal Historic Preservation Officer in order to make a determination of effects.

Information required in order to complete this process are as follows:

Project Name

Project Location

Physical Address

Latitude and Longitude

State, County, Township, Range, Section quarters Brief Project Description Existing studies for archaeological sites, and cultural resources.

As of June 11, 2014 the KBIC THPO will be charging a fee of \$500.00 per review/collocation unless the review covers more than one section of land in which case the fee is \$500.00 per section. Fees in this process cover the research and other activities required to provide you with a timely response so your project can stay on track. Please submit payment of \$500.00 for each project application submitted, checks should be made payable to KBIC THPO, 16429 Beartown Road, Baraga, Michigan 49908. Any questions can be directed to: Gary Loonsfoot Jr via email gloonsfoot@kbic-nsn.gov, or by phone: 906-353-6623 ext. 4108. (Please note that Minogheezhig Sandman-Shelifoe is no longer a contact within the KBIC-THPO office)

3. THPO and NAGPRA Representative Daisy McGeshick Ms - Lac Vieux Desert Band of Lake Superior Chippewa Indians - E23857 Poplar Circle (PO Box: 249) Watersmeet, MI - daisy.mcgeschick@lvdtribal.com - 906-358-0137

Details: Effective January 2016

ELECTRONIC TRANSFER OF MATERIALS - The Lac Vieux Desert Band of Lake Superior Chippewa (Getegitigaaning Ojibwe Nation) will go paperless.

To enable us to participate fully, Lac Vieux Desert (Getegitigaaning Ojibwe Nation) fee for such services is \$500. The fee must be submitted so that the research can be done. This will be the only item received in our office via regular USPS mail or other appropriate carriers.

At that time we will review and make our determinations with the appropriate information that we have on file with our Tribe pertaining to this area and an email response will go to the designated person at that agency.

All Collocation Projects will be handled in the same manner as new projects UNLESS the Getegitigaaning Ojibwe Nation commented on the original project.

The following information shall be emailed for each project to daisy.mcgeschick@lvdtribal.com . The information must contain summary of the proposed ground disturbing activity, legal description of the Area of Potential Effects, (APE), Topo maps identifying the proposed area, and copies of any studies that have already been conducted regarding cultural resources and archaeology in their full format, including reports on archaeological and cultural sites identified to the email address below. All responses and tower project closures will be emailed back to the appropriate contact person for your agency.

Should you have any questions, please feel free to contact me at 906-358-0137.

Miigwetch,

Daisy McGeshick, THPO

Fee can be sent along with the requested information to:

Make Check Payable to:

Getegitigaaning Ojibwe Nation THPO

P.O. 249

Watersmeet, Michigan 49969

Office: 906-358-0137

Fax: 906-358-4850 Email: daisy.mcgeschick@lvdtribal.com

4. THPO Edith Leoso - Bad River Band of Lake Superior Tribe of Chippewa Indians - (PO Box: 39) Odanah, WI - thpo@badriver-nsn.gov; THPOAsst@badriver-nsn.gov - 715-682-7123

Details: The Bad River Tribe is interested in projects with ground disturbance, only. This includes projects on previously disturbed soils.

The Bad River Tribe's fee to process requests is \$650.00 per request.

The Bad River Tribe's Section 106 Consultation Procedures have been updated as of April 3, 2017.

If the applicant/tower builder receives no response from the Bad River Band of Lake Superior Tribe of Chippewa Indians within 30 days after notification through TCNS, the Bad River Band of Lake Superior Tribe of Chippewa Indians has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder,

however, must immediately notify the Bad River Band of Lake Superior Tribe of Chippewa Indians in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

5. Senior Cultural Resource Monitor Bettina Washington - Wampanoag Tribe of Gay Head-Aquinnah - 20 Black Brook Road Aquinnah, MA - bettina@wampanoagtribe.net - 508-645-9265

6. THPO Ramona Peters - Mashpee Wampanoag Indian Tribe - 483 Great Neck Road South Mashpee, MA - 106Review@mwtribe-nsn.gov - 508-477-0208 (ext: 101)
Details: Compliance Review Supervisor, Ramona Peters · Mashpee Wampanoag Tribe · Mashpee, MA - electronic mail & regular mail

As of March 5, 2012, The Mashpee Wampanoag Tribe (MWT) is charging an administrative review fee of \$500 per tower. Determinations will be given upon payment of the review fee. Checks should be made payable to Mashpee Wampanoag Tribe and mailed to: Mashpee Wampanoag Tribe, Tribal Historic Preservation Department 483 Great Neck Road South, Mashpee, MA 02649. Please include the TCNS number on the memo line of the check in order for us to track your project payment. For requests involving multiple towers, a single check in the sum of \$500 per tower is acceptable.

Details: The following additional items should be submitted for each review request: A map showing the exact location of the proposed project, with the GPS coordinates. A copy of the review letter from the State Historic Preservation Office for the state in which the tower is located, with attachments associated with cultural resources to include archaeological assessment/report that includes methodology, findings and field survey results, and project area geomorphology and soils. Please limit submittal of architectural surveys (unless embedded with archaeological information), engineering/construction drawings, and excessive photos. All correspondence shall be conducted via email, with email attachments to; 106Review@mwtribe.com and regular mail.

The Mashpee Wampanoag Tribe considers the Tower Construction Notification System's weekly e-mail to be the first notification that we receive that a tower is proposed to be constructed in an area of our concern. We do not view the TCNS notification as completion of 106 consultation obligations.

Ramona Peters
Compliance Review Supervisor
Mashpee Wampanoag Tribe
Tribal Historic Preservation Office
483 Great Neck Road South
Mashpee, MA 02649
(508) 477-6186
106Review@mwtribe.com

The information you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA.

7. SHPO Cara Metz - Massachusetts Historical Commission - 220 Morrissey Boulevard Boston, MA - cara.metz@sec.state.ma.us - 617-727-8470

8. Preservation Planner Emily Paulus - NH Division of Historical Resources - 19 Pillsbury Street Concord, NH - Emily.Paulus@dcr.nh.gov - 603-271-6628

9. Deputy SHPO Jeffrey Emidy - Rhode Island Historic Preservation & Heritage Comm - Old State House 150 Benefit St Providence, RI - jeffrey.emidy@preservation.ri.gov - 401-222-4134

10. SHPO Edward F Sanderson - Rhode Island Historic Preservation & Heritage Comm - Old State House 150 Benefit St Providence, RI - rgreenwood@preservation.ri.gov - 401-222-4130

11. SHPO Laura V Trieschmann - Vermont Division for Historic Preservation - National Life Building Drawer 20 Montpelier, VT - laura.trieschmann@vermont.gov - 802-828-3222

"Exclusions" above set forth language provided by the Tribal Nation or SHPO. These exclusions may indicate types of PTC wayside pole notifications that the Tribal Nation or SHPO does not wish to review. TCNS automatically forwards all notifications to all Tribal Nations and SHPOs that have an expressed interest in the geographic area of a proposal. However, if a proposal falls within a designated exclusion, you need not expect any response and need not pursue any additional process with that Tribal Nation or SHPO. Exclusions may also set forth policies or procedures of a particular Tribal Nation or SHPO (for example, types of information that a Tribal Nation routinely requests, or a policy that no response within 30 days indicates no interest in participating in pre-construction review).

Please be advised that the FCC cannot guarantee that the contact(s) listed above opened and reviewed an electronic or regular mail notification. If you learn any of the above contact information is no longer valid, please contact the FCC. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 10/06/2017
Notification ID: 162632
Tower Owner Individual or Entity Name: BlueSky Towers, LLC
Consultant Name: Christopher M Lucas
Street Address: Lucas Environmental, LLC
500A Washington Street
City: Quincy
State: MASSACHUSETTS
Zip Code: 02169
Phone: 617-405-4140
Email: cml@lucasenvironmental.net

Structure Type: MTOWER - Monopole
Latitude: 41 deg 35 min 2.9 sec N
Longitude: 70 deg 29 min 3.1 sec W
Location Description: 101 Red Brook Road
City: Mashpee

State: MASSACHUSETTS

County: BARNSTABLE

Detailed Description of Project: A 150-foot monopole is proposed with an optional 6-foot lightning rod (total height of 156 feet). Equipment will be located at the base of the structure within a 5,000 square foot lease area. Note that the access road location has not been finalized.

Ground Elevation: 8.6 meters

Support Structure: 45.7 meters above ground level

Overall Structure: 47.5 meters above ground level

Overall Height AMSL: 56.1 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic mail form located on the FCC's website at:

<http://wireless.fcc.gov/outreach/notification/contact-fcc.html>.

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,
Federal Communications Commission

Christopher M. Lucas

From: Alden Connor <aconnor@kbic-nsn.gov>
Sent: Tuesday, November 14, 2017 10:24 AM
To: cml@lucasenvironmental.net

***Keweenaw Bay Indian Community
Tribal Historic Preservation Office
and Language Program***

16429 Beartown Road
Baraga, Michigan 49908-9210
aconnor@kbic-nsn.gov, gloonsfoot@kbic-nsn.gov

Phone: 906.353.4278 or 4108 Fax: 906.353.7540

11/14/2017

RE: TCNS Notification ID#162632

Ahnhii Boozhoo (Hello! Greetings!);

The KBIC Tribal Historic Preservation Office has identified no properties of interest regarding religious or cultural sites documented at this time in your proposed location. If the scope of work changes in any way, or if artifacts or human remains are discovered, please notify the KBIC THPO immediately.

Please forward any future consultation requests for review of project proposals pursuant to Section 106 of the National Historic Preservation Act to KBIC THPO, Keweenaw Bay Indian Community Tribal Historic Preservation Office or through email at: gloonsfoot@kbic-nsn.gov, and keep us informed of future projects as we continue our efforts to identify and document historic, archaeological and traditional cultural sites in the

area so we can assist in making an appropriate determination. (Please note that Ms. Goyen is no longer associated with the THPO office.)

Chi-Miigwech (Big Thank You),
Gary F. Loonsfoot, Jr., Cultural Resources Director/Alden L Connor, Jr.,
THPO Technician

Miigwech!

Gary F. Loonsfoot, Jr. and Alden Connor, Jr

"If you take care of the language, the spirit-keeper of the language will take care of you."



500A Washington Street, Quincy, MA 02169

October 26, 2017

Keweenaw Bay Indian Community
Tribal Historic Preservation Office
Attn: Gary Loonsfoot
16429 Beartown Road
Baraga, Michigan 49908

Re: Invitation to Comment in Section 106 Consultation Process
TCNS Notification ID# 162632
Site Name: Mashpee Fire Station #2; Site #: MA-5112
101 Red Brook Road, Mashpee, MA 02649

Dear Mr. Loonsfoot,

Blue Sky Towers, LLC proposes to construct a wireless facility at 101 Red Brook Road in Mashpee, Massachusetts. In accordance with the Federal Communication Commission (FCC) National Environmental Policy Act (NEPA) rules and Section 106 of the National Historic Preservation Act (NHPA), this telecommunications facility is being evaluated for its compliance with the Federal Communications Commission's Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act (47 CFR Part I, dated January 4, 2005). This notification has been prepared as a follow-up to the Tower Notification System (TCNS) notice (TCNS ID# 162632) which was sent on October 12, 2017.

Lucas Environmental, LLC would like to inquire if you would be interested in commenting on this proposed project. Please refer to the attached Project Summary Form for complete details regarding this proposed project. Attached you will find a USGS topographical map and Aerial map with the APE drawn on the maps, pertinent pages from the project plan set, and the required fee for Tribal review. PAL completed a community-wide archaeological reconnaissance survey in 2011 for the Town of Mashpee. Two maps from the report are attached showing the site located outside of pre-contact and post-contact sensitive areas.

Consistent with the timelines outlined in the Nationwide Programmatic Agreement and FCC-USET Best Practices Agreement, we respectfully request that you please respond to this letter with an opinion of interest or no interest. To submit comments regarding potential effects to historic properties, please contact me at Lucas Environmental, LLC, 500A Washington Street, Quincy, MA 02169 or via telephone at 617.405.4140 and reference the Site # in all correspondence. Please do not hesitate to contact me if you have any questions or concerns about the proposed project.

Thank you for your consideration and assistance during this review.

Sincerely,
LUCAS ENVIRONMENTAL, LLC

Christopher M. Lucas, Principal & Manager, PWS
Environmental Consultant/Soil Scientist
T: 617.405.4140; F: 617.405.4465; E-mail: cml@lucasenvironmental.net

Enclosures: Project Summary Form; Figures; PAL Plans; Project Plans; Review Fee

cc: Blue Sky Towers, LLC – Sean Gormley; ProTerra Design Group, LLC – Tom Johnson (electronic copies)

Christopher M. Lucas

From: towernotifyinfo@fcc.gov
Sent: Tuesday, October 31, 2017 1:48 PM
To: cml@lucasenvironmental.net
Cc: tcns.fccarchive@fcc.gov; gloonsfoot@kbic-nsn.gov
Subject: Reply to Proposed Tower Structure (Notification ID: 162632) - Email ID #5461957

Dear Christopher M Lucas,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from THPO Gary Loonsfoot Jr of the Keweenaw Bay Indian Community in reference to Notification ID #162632:

We have an interest in this site and would like the applicant to contact us.

Gary Loonsfoot
906-353-4108

Keweenaw Bay Indian Community
Tribal Historic Preservation Office
and Language Program
16429 Beartown Road
Baraga, Michigan 49908-9210
aconnor@kbic-nsn.gov or gloonsfoot@kbic-nsn.gov
Phone: 906-353-4278 or (906)353-4108 Fax: 906-353-7540

RE: TCNS Notifications

Aniin;

The Keweenaw Bay Indian Community Tribal Historic Preservation Office (KBIC THPO) has received your requests for comments or interest concerning Section 106 of the National Historic Preservation Act, to the effect on historic and cultural sites within your proposed project area. The KBIC THPO charges a fee of \$500.00 for review of (each) project proposals. Please submit a check for \$500.00, along with all project specifications, to the KBIC THPO, 16429 Beartown Road, Baraga, Michigan 49908. The fee covers a preliminary in-house review of records for the presence of cultural sites in the proposed project area. We use \$250.00 for Historical/Cultural records Research and \$250.00 for Archaeological Records review per section of land. Fees also help us to cover costs of research and other consultation activities as well as potential travel to the site, itself.

When payment has been received, our determination will be sent to you as soon as possible.

Miigwech (Thank You)

Gary Loonsfoot, Jr., THPO/NAGPRA Director Alden Connor, Jr., THPO/NAGPRA Technician Miigwech!
Gary Loonsfoot, Jr.
Alden Connor, Jr.

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 10/06/2017
Notification ID: 162632
Tower Owner Individual or Entity Name: BlueSky Towers, LLC
Consultant Name: Christopher M Lucas
Street Address: Lucas Environmental, LLC
500A Washington Street
City: Quincy
State: MASSACHUSETTS
Zip Code: 02169
Phone: 617-405-4140
Email: cml@lucasenvironmental.net

Structure Type: MTOWER - Monopole
Latitude: 41 deg 35 min 2.9 sec N
Longitude: 70 deg 29 min 3.1 sec W
Location Description: 101 Red Brook Road
City: Mashpee
State: MASSACHUSETTS
County: BARNSTABLE

Detailed Description of Project: A 150-foot monopole is proposed with an optional 6-foot lightning rod (total height of 156 feet). Equipment will be located at the base of the structure within a 5,000 square foot lease area. Note that the access road location has not been finalized.

Ground Elevation: 8.6 meters
Support Structure: 45.7 meters above ground level
Overall Structure: 47.5 meters above ground level
Overall Height AMSL: 56.1 meters above mean sea level

Christopher M. Lucas

From: towernotifyinfo@fcc.gov
Sent: Tuesday, October 31, 2017 1:48 PM
To: cml@lucasenvironmental.net
Cc: tcns.fccarchive@fcc.gov; gloonsfoot@kbic-nsn.gov
Subject: Reply to Proposed Tower Structure (Notification ID: 162632) - Email ID #5461957

Dear Christopher M Lucas,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from THPO Gary Loonsfoot Jr of the Keweenaw Bay Indian Community in reference to Notification ID #162632:

We have an interest in this site and would like the applicant to contact us.

Gary Loonsfoot
906-353-4108

Keweenaw Bay Indian Community
Tribal Historic Preservation Office
and Language Program
16429 Beartown Road
Baraga, Michigan 49908-9210
aconnor@kbic-nsn.gov or gloonsfoot@kbic-nsn.gov
Phone: 906-353-4278 or (906)353-4108 Fax: 906-353-7540

RE: TCNS Notifications

Aniin;

The Keweenaw Bay Indian Community Tribal Historic Preservation Office (KBIC THPO) has received your requests for comments or interest concerning Section 106 of the National Historic Preservation Act, to the effect on historic and cultural sites within your proposed project area. The KBIC THPO charges a fee of \$500.00 for review of (each) project proposals. Please submit a check for \$500.00, along with all project specifications, to the KBIC THPO, 16429 Beartown Road, Baraga, Michigan 49908. The fee covers a preliminary in-house review of records for the presence of cultural sites in the proposed project area. We use \$250.00 for Historical/Cultural records Research and \$250.00 for Archaeological Records review per section of land. Fees also help us to cover costs of research and other consultation activities as well as potential travel to the site, itself.

When payment has been received, our determination will be sent to you as soon as possible.

Miigwech (Thank You)

Gary Loonsfoot, Jr., THPO/NAGPRA Director Alden Connor, Jr., THPO/NAGPRA Technician Miigwech!
Gary Loonsfoot, Jr.
Alden Connor, Jr.

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 10/06/2017
Notification ID: 162632
Tower Owner Individual or Entity Name: BlueSky Towers, LLC
Consultant Name: Christopher M Lucas
Street Address: Lucas Environmental, LLC
500A Washington Street
City: Quincy
State: MASSACHUSETTS
Zip Code: 02169
Phone: 617-405-4140
Email: cml@lucasenvironmental.net

Structure Type: MTOWER - Monopole
Latitude: 41 deg 35 min 2.9 sec N
Longitude: 70 deg 29 min 3.1 sec W
Location Description: 101 Red Brook Road
City: Mashpee
State: MASSACHUSETTS
County: BARNSTABLE

Detailed Description of Project: A 150-foot monopole is proposed with an optional 6-foot lightning rod (total height of 156 feet). Equipment will be located at the base of the structure within a 5,000 square foot lease area. Note that the access road location has not been finalized.

Ground Elevation: 8.6 meters
Support Structure: 45.7 meters above ground level
Overall Structure: 47.5 meters above ground level
Overall Height AMSL: 56.1 meters above mean sea level

LAC VIEUX DESERT BAND OF LAKE SUPERIOR CHIPPEWA INDIANS

Getegitigaaning Ojibwe Nation Tribal Historic Preservation

P.O. Box 249, E23857 Poplar Circle Watersmeet, MI 49969

Phone: 906-358-0137 Fax: 906-358-4850



Booshoo,

The Getegitigaaning Ojibwe Nation THPO (Lac Vieux Desert Chippewa/LVD) received your requests for comments or interest concerning the National Historic Preservation Act, Section 106 request for review and comment to the effect on historic and cultural sites within the proposed above referenced project area.

Getegitigaaning Ojibwe Nation does not release any cultural/historical data to any agency outside of the Nation. We will however research and check our databases, maps, and any other pertinent inventory records with regards to said project.

Under the authority of Section 106 of the National Historic Preservation Act of 1966, as amended, we have reviewed the above-cited undertaking at the location noted above. Based on the information provided for our review, it is the opinion of the Getegitigaaning Ojibwe Nation Tribal Historic Preservation Officer (THPO) that the project will have **no adverse effect** [36 CFR § 800.5(b)] on historic properties within the area of potential effects for the above-cited undertaking.

This letter evidences the FCC's compliance with 36 CFR § 800.4 "Identification of historic properties" and 36 CFR § 800.5 "Assessment of adverse effects", and the fulfillment of the FCC's responsibility to notify the THPO, as a consulting party in the Section 106 process, under 36 CFR § 800.5(c) "Consulting party review".

Referencing above mentioned project we have determined that we have no objections to the project at this time we have now completed the necessary paper work and research for site documentation and will keep the project open until such time it ends. If the scope of work changes in any way, or if artifacts or human remains are discovered please notify LVD immediately.

Please forward any future request for review of historic and cultural properties according to the National Historic Preservation Act Section 106 to Ms. Daisy McGeshick, Tribal Historic Preservation Program Officer at the address below.

Miigwitch,

/s/

Ms. Daisy McGeshick, THPO
Getegitigaaning Ojibwe Nation
P.O. BOX 249
Watersmeet, Michigan 49969
Phone: 906-358-0137
Fax: 906-358-4850
Email daisy.mcgeshick@lvdtribal.com

Name: LUCAS ENVIRONMENTAL LLC
Amount Paid: \$500.00
TCNS#: 162632
CK #: 2971
Invoice#: 11486
Date Closed: 10/31/2017
Initials: TM
Email: cml@lucsenvironmental.net



500A Washington Street, Quincy, MA 02169

October 26, 2017

Via E-mail

Lac Vieux Desert Band of Lake Superior Chippewa Indians
Getegitigaaning Ojibwe Nation THPO
Attn: Ms. Daisy McGeshick
PO Box: 249
Watersmeet, Michigan 49969

Re: Invitation to Comment in Section 106 Consultation Process
TCNS Notification ID# 162632
Site Name: Mashpee Fire Station #2; Site #: MA-5112
101 Red Brook Road, Mashpee, MA 02649

Dear Ms. McGeshick,

Blue Sky Towers, LLC proposes to construct a wireless facility at 101 Red Brook Road in Mashpee, Massachusetts. In accordance with the Federal Communication Commission (FCC) National Environmental Policy Act (NEPA) rules and Section 106 of the National Historic Preservation Act (NHPA), this telecommunications facility is being evaluated for its compliance with the Federal Communications Commission's Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act (47 CFR Part I, dated January 4, 2005). This notification has been prepared as a follow-up to the Tower Notification System (TCNS) notice (TCNS ID# 162632) which was sent on October 12, 2017.

Lucas Environmental, LLC would like to inquire if you would be interested in commenting on this proposed project. Please refer to the attached Project Summary Form for complete details regarding this proposed project. Attached you will find a USGS topographical map and Aerial map with the APE drawn on the maps, pertinent pages from the project plan set, and the required fee for Tribal review. PAL completed a community-wide archaeological reconnaissance survey in 2011 for the Town of Mashpee. Two maps from the report are attached showing the site located outside of pre-contact and post-contact sensitive areas.

Consistent with the timelines outlined in the Nationwide Programmatic Agreement and FCC-USET Best Practices Agreement, we respectfully request that you please respond to this letter with an opinion of interest or no interest. To submit comments regarding potential effects to historic properties, please contact me at Lucas Environmental, LLC, 500A Washington Street, Quincy, MA 02169 or via telephone at 617.405.4140 and reference the Site # in all correspondence. Please do not hesitate to contact me if you have any questions or concerns about the proposed project.

Thank you for your consideration and assistance during this review.

Sincerely,
LUCAS ENVIRONMENTAL, LLC

Christopher M. Lucas, Principal & Manager, PWS
Environmental Consultant/Soil Scientist
T: 617.405.4140; F: 617.405.4465; E-mail: cml@lucasenvironmental.net

Enclosures: Project Summary Form; Figures; PAL Plans; Project Plans; Review Fee

cc: Blue Sky Towers, LLC – Sean Gormley; ProTerra Design Group, LLC – Tom Johnson (electronic copies)



500A Washington Street, Quincy, MA 02169

October 26, 2017

Via E-mail

Lac Vieux Desert Band of Lake Superior Chippewa Indians
Getegitigaaning Ojibwe Nation THPO
Attn: Ms. Daisy McGeshick
PO Box: 249
Watersmeet, Michigan 49969

Re: Invitation to Comment in Section 106 Consultation Process
TCNS Notification ID# 162632
Site Name: Mashpee Fire Station #2; Site #: MA-5112
101 Red Brook Road, Mashpee, MA 02649

Dear Ms. McGeshick,

Blue Sky Towers, LLC proposes to construct a wireless facility at 101 Red Brook Road in Mashpee, Massachusetts. In accordance with the Federal Communication Commission (FCC) National Environmental Policy Act (NEPA) rules and Section 106 of the National Historic Preservation Act (NHPA), this telecommunications facility is being evaluated for its compliance with the Federal Communications Commission's Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act (47 CFR Part I, dated January 4, 2005). This notification has been prepared as a follow-up to the Tower Notification System (TCNS) notice (TCNS ID# 162632) which was sent on October 12, 2017.

Lucas Environmental, LLC would like to inquire if you would be interested in commenting on this proposed project. Please refer to the attached Project Summary Form for complete details regarding this proposed project. Attached you will find a USGS topographical map and Aerial map with the APE drawn on the maps, pertinent pages from the project plan set, and the required fee for Tribal review. PAL completed a community-wide archaeological reconnaissance survey in 2011 for the Town of Mashpee. Two maps from the report are attached showing the site located outside of pre-contact and post-contact sensitive areas.

Consistent with the timelines outlined in the Nationwide Programmatic Agreement and FCC-USET Best Practices Agreement, we respectfully request that you please respond to this letter with an opinion of interest or no interest. To submit comments regarding potential effects to historic properties, please contact me at Lucas Environmental, LLC, 500A Washington Street, Quincy, MA 02169 or via telephone at 617.405.4140 and reference the Site # in all correspondence. Please do not hesitate to contact me if you have any questions or concerns about the proposed project.

Thank you for your consideration and assistance during this review.

Sincerely,
LUCAS ENVIRONMENTAL, LLC

Christopher M. Lucas, Principal & Manager, PWS
Environmental Consultant/Soil Scientist
T: 617.405.4140; F: 617.405.4465; E-mail: cml@lucasenvironmental.net

Enclosures: Project Summary Form; Figures; PAL Plans; Project Plans; Review Fee

cc: Blue Sky Towers, LLC – Sean Gormley; ProTerra Design Group, LLC – Tom Johnson (electronic copies)

Christopher M. Lucas

From: towernotifyinfo@fcc.gov
Sent: Friday, October 13, 2017 8:57 AM
To: cml@lucasenvironmental.net
Cc: tcns.fccarchive@fcc.gov
Subject: Reply to Proposed Tower Structure (Notification ID: 162632) - Email ID #5441676

Dear Christopher M Lucas,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from THPO and NAGPRA Representative Daisy McGeshick Ms of the Lac Vieux Desert Band of Lake Superior Chippewa Indians in reference to Notification ID #162632:

EFFECTIVE APRIL 16, 2016 ALL
RESPONSE LETTERS WILL BE
EMAILED TO THE CONTACT
Project ID: Tower Notifications

Booshoo,

The Getegitigaaning Ojibwe Nation (Lac Vieux Desert) Tribal Historic Preservation Office received your request for information related to properties of traditional religious and cultural significance within the vicinity of the proposed facility and any comments or concerns for affects to those properties as according to your obligations under Section 106 of the National Historic Preservation Act and the Native American Graves Protection Act.

The Getegitigaaning Ojibwe Nation Tribal Historic Preservation Office does not release information related to properties of traditional religious and cultural significance to anyone. However, through government-to-government consultation, the LVD THPO will review project documents to determine whether or not any of these sites exist within the Area of Potential Effects and if so what those effects may be. If we have identified any sites of concern in our research of the project area, we will notify you of the fact.

Please forward the following information: a short summary of the proposed ground disturbing activity, Legal Description of the Area of Potential Effects, Topo maps identifying the proposed area, and copies of any studies that have already been conducted regarding cultural resources and archaeology in their full format, including reports on archaeological and cultural sites identified.

NEW FEE: To enable us to participate fully, the Getegitigaaning Ojibwe Nations fee for such services is \$500. \$250.00 for historical/cultural records research and \$250.00 for archaeological records review per section of land. The fee must be submitted so that the research can be done. At that time we will review and make our determinations with the appropriate information that we have on file with our Tribe pertaining to this area.

All Collocation Projects will be handled in the same manner as new projects UNLESS the Getegitigaaning Ojibwe Nation commented on the original project.

Should you have any questions, please feel free to contact me at 906-358-0137. Miigwetch, /s/ Ms. Daisy McGeshick , THPO

Fee can be sent along with the requested information to:

Make Check Payable to:

Getegitigaaning Ojibwe Nation THPO P.O. 249 (Post Office Mailing Address) Watersmeet, Michigan 49969 Large Packets mailed by Fed Ex or UPS: E23857 Poplar Circle Watersmeet, MI 49969

Office: 906-358-0137 Fax: 906-358-4850 Email: daisy.mcgeschick@lvdtribal.com

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 10/06/2017

Notification ID: 162632

Tower Owner Individual or Entity Name: BlueSky Towers, LLC

Consultant Name: Christopher M Lucas

Street Address: Lucas Environmental, LLC
500A Washington Street

City: Quincy

State: MASSACHUSETTS

Zip Code: 02169

Phone: 617-405-4140

Email: cml@lucasenvironmental.net

Structure Type: MTOWER - Monopole

Latitude: 41 deg 35 min 2.9 sec N

Longitude: 70 deg 29 min 3.1 sec W

Location Description: 101 Red Brook Road

City: Mashpee

State: MASSACHUSETTS

County: BARNSTABLE

Detailed Description of Project: A 150-foot monopole is proposed with an optional 6-foot lightning rod (total height of 156 feet). Equipment will be located at the base of the structure within a 5,000 square foot lease area. Note that the access road location has not been finalized.

Ground Elevation: 8.6 meters

Support Structure: 45.7 meters above ground level

Overall Structure: 47.5 meters above ground level

Overall Height AMSL: 56.1 meters above mean sea level

Christopher M. Lucas

From: Christopher M. Lucas <cml@lucasenvironmental.net>
Sent: Thursday, March 29, 2018 1:13 PM
To: 14013641104@myfax.com
Cc: 'adstanton@nitribe.org'
Subject: TCNS Notification IDs# 161214 & 162632
Attachments: 2nd Notice_Narragansett_12-19-17.pdf; 2nd Notice_THPO Letters_12-19-17_Red Brook Road_Narragansett.pdf

Tracking:	Recipient	Read
	14013641104@myfax.com	
	'adstanton@nitribe.org'	Read: 3/30/2018 8:42 AM

Good afternoon Mr. Stanton,

We are seeking your assistance in completing the review for the following projects that were initiated with the Narragansett Indian Tribe in September and October 2017, respectively.

TCNS Notification ID# 161214
Site Name: Emmanuel Church; Site #: NH-5009
14 Mammoth Road, Hooksett, NH 03106

TCNS Notification ID# 162632
Site Name: Mashpee Fire Station #2; Site #: MA-5112
101 Red Brook Road, Mashpee, MA 02649

We have made several additional written attempts via e-mail in addition to phone calls to your office to expedite the review; however, we have received no response and would like to provide any additional assistance or information necessary to complete the reviews.

Please let me know if there is anything we can do to help expedite the review so the Applicant can move forward to construction.

Thank you.

Christopher M. Lucas, Manager, PWS

Environmental Consultant
Certified Wetland Scientist
Registered Professional Soil Scientist

Lucas Environmental, LLC

500A Washington Street
Quincy, MA 02169
T: 617.405.4140
C: 617.894.4470
www.lucasenvironmental.net

Think Sustainable. Keep e-Mail Electronic.

WE HAVE RELOCATED TO 500A WASHINGTON STREET, QUINCY, MA 02169. PLEASE NOTE OUR NEW ADDRESS.

Christopher M. Lucas

From: TCNShelp <TCNShelp@fcc.gov>
Sent: Wednesday, May 9, 2018 12:18 PM
To: Sequahna@yahoo.com
Cc: cml@lucasenvironmental.net; TCNShelp
Subject: CLOSE- OUT: TCNS # 162632

RE: TCNS # 162632

The Wireless Telecommunications Bureau (WTB) Infrastructure Team understands that the project proponents for this communication facility or collocation, after initially notifying you using TCNS, followed your office's expressed submittal protocols and provided you with complete project information to review. At the conclusion of the thirty-day review period described in the Nationwide Programmatic Agreement (NPA, Section IV F.4.), the project proponent subsequently made two or more additional attempts to contact you to determine your Tribe's interest in the site. Forty days after providing you with complete project information, the project proponent copied the Commission on a final communication sent to your office, expressing that they still had received no response.

The Commission has subsequently attempted to contact you in order to confirm any potential interest in this location. Having received no response, we must at this point respectfully assume that you have no further cultural resource concerns. The proponent is therefore authorized to proceed with this project if it has satisfied all other environmental and regulatory requirements.

Please feel free to respond to this email or call us at 202.418.0220 if you have any questions or concerns.

-TCNShelp

Christopher M. Lucas

From: Christopher M. Lucas <cml@lucasenvironmental.net>
Sent: Monday, April 16, 2018 2:26 PM
To: 'tcnshelp@fcc.gov'
Subject: Referral - TCNS # 162632
Attachments: Narragansett Indian Tribe Correspondence.pdf

Good afternoon,

I am emailing you to refer a tribe for TCNS# 162632, for a proposed telecommunications facility named Mashpee Fire Station #2 at 101 Red Brook Road, in Mashpee, MA . I was unable to refer the tribe to the FCC via TCNS due to the tribe's auto reply through the system. It has been greater than 30 days since project information has been sent to the tribe. A follow up email and fax was sent to the tribe more than 10 days ago (please refer to the attached correspondence). Please see the following table for additional information:

TCNS # 162632
Site Name Mashpee Fire Station #2
Narragansett Indian Tribe

Initial Information Submitted: October 26, 2017
2nd Notification Letter Sent: December 19, 2017
Phone Message: January 11, 2018
3rd Notification Sent: March 6, 2018
4th Attempt: March 29, 2018 via Phone, Fax & Email

We have followed the good faith process. We did not specify timelines in our letters as Ms. Wypijewski previously informed us that the tribes do not appreciate it. She requested that we send letters using those timelines and request the tribes respond *consistent with the timelines outlined in the Nationwide Programmatic Agreement and FCC-USET Best Practices Agreement*, which is how we have been operating.

Please let me know if you require an additional information to complete this referral.

Thank you.

Christopher M. Lucas, Manager, PWS

Environmental Consultant
Certified Wetland Scientist
Registered Professional Soil Scientist

Lucas Environmental, LLC

500A Washington Street
Quincy, MA 02169
T: 617.405.4140
C: 617.894.4470
www.lucasenvironmental.net

Think Sustainable. Keep e-Mail Electronic.

WE HAVE RELOCATED TO 500A WASHINGTON STREET, QUINCY, MA 02169. PLEASE NOTE OUR NEW ADDRESS.

Christopher M. Lucas

From: Christopher M. Lucas <cml@lucasenvironmental.net>
Sent: Tuesday, March 6, 2018 10:00 AM
To: 14013641104@myfax.com
Cc: 'adstanton@nitribe.org'
Subject: TCNS Notification IDs# 161214 & 162632
Attachments: 2nd Notice_Narragansett_12-19-17.pdf; 2nd Notice_THPO Letters_12-19-17_Red Brook Road_Narragansett.pdf

Good morning Mr. Stanton,

We are seeking your assistance in completing the review for the following projects that were initiated with the Narragansett Indian Tribe in September and October 2017, respectively.

TCNS Notification ID# 161214
Site Name: Emmanuel Church; Site #: NH-5009
14 Mammoth Road, Hooksett, NH 03106

TCNS Notification ID# 162632
Site Name: Mashpee Fire Station #2; Site #: MA-5112
101 Red Brook Road, Mashpee, MA 02649

We have made several additional written attempts via e-mail in addition to phone calls to your office to expedite the review; however, we have received no response and would like to provide any additional assistance or information necessary to complete the reviews.

Please let me know if there is anything we can do to help expedite the review so the Applicant can move forward to construction.

Thank you.

Christopher M. Lucas, Manager, PWS

Environmental Consultant
Certified Wetland Scientist
Registered Professional Soil Scientist

Lucas Environmental, LLC

500A Washington Street
Quincy, MA 02169
T: 617.405.4140
C: 617.894.4470
www.lucasenvironmental.net

Think Sustainable. Keep e-Mail Electronic.

WE HAVE RELOCATED TO 500A WASHINGTON STREET, QUINCY, MA 02169. PLEASE NOTE OUR NEW ADDRESS.

Christopher M. Lucas

From: Christopher M. Lucas <cml@lucasenvironmental.net>
Sent: Tuesday, December 19, 2017 4:40 PM
To: 'sequahna@yahoo.com'
Subject: TCNS Notification ID# 162632, Mashpee, MA - 2nd Notification
Attachments: 2nd Notice_THPO Letters_12-19-17_Red Brook Road_Narragansett.pdf

Importance: High

Dear Ms. Mars,

We respectfully reach out to you to request your assistance in completing the following review for a telecommunication sites that was initiated in October 2017 with the Narragansett Indian Tribe. Any assistance you can provide to expedite and complete this review would be greatly appreciated. If you have no interest in these areas, please let us know so we can conclude the review.

TCNS Notification ID# 162632
Site Name: Mashpee Fire Station #2; Site #: MA-5112
101 Red Brook Road, Mashpee, MA 02649

Thank you for your time and assistance in completing this review.

Christopher M. Lucas, Manager, PWS

Environmental Consultant
Certified Wetland Scientist
Registered Professional Soil Scientist

Lucas Environmental, LLC

500A Washington Street
Quincy, MA 02169
T: 617.405.4140
C: 617.894.4470
www.lucasenvironmental.net

Think Sustainable. Keep e-Mail Electronic.

WE HAVE RELOCATED TO 500A WASHINGTON STREET, QUINCY, MA 02169. PLEASE NOTE OUR NEW ADDRESS.



500A Washington Street, Quincy, MA 02169

VIA E-MAIL

December 19, 2017

Narragansett Indian Tribe
Attn: Sequahna Mars
THPO - Cell Tower Division
P.O. Box 350
Wyoming, RI 02898

Re: **Second Notification for Consultation in Section 106 Review Process**
TCNS Notification ID# 162632
Site Name: Mashpee Fire Station #2; Site #: MA-5112
101 Red Brook Road, Mashpee, MA 02649

Dear Ms. Mars,

Blue Sky Towers, LLC proposes to construct a wireless facility at 101 Red Brook Road in Mashpee, Massachusetts. In accordance with the Federal Communication Commission (FCC) National Environmental Policy Act (NEPA) rules and Section 106 of the National Historic Preservation Act (NHPA), this telecommunications facility is being evaluated for its compliance with the Federal Communications Commission's Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act (47 CFR Part I, dated January 4, 2005). Lucas Environmental, LLC reviewed the proposed project plans against the Exclusions of the *Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process* (NPA) and concluded that the proposed telecommunications facility does not meet any of the Exclusions listed in Section III of the NPA.

This notification has been prepared as a follow-up to the Tower Notification System (TCNS) notice (TCNS ID# 162632) which was sent on October 12, 2017. Additionally, Lucas Environmental contacted you on October 26, 2017 in regards to an Invitation to Comment in Section 106 Consultation Process. As of the date of this letter, Lucas Environmental has not received a response from your Tribe indicating whether you have interest in commenting on this project.

Consistent with the timelines outlined in the Nationwide Programmatic Agreement and FCC-USET Best Practices Agreement, we respectfully request that you please respond to this letter with an opinion of interest or no interest. Please submit correspondence to Lucas Environmental, LLC, 500A Washington Street, Quincy, MA 02169 or via telephone at 617.405.4140 and reference the Site # in all correspondence. Please do not hesitate to contact me if you have any questions or concerns about the proposed project.

Thank you for your consideration and assistance during this review.

Sincerely,
LUCAS ENVIRONMENTAL, LLC

Christopher M. Lucas, Principal & Manager, PWS
Environmental Consultant/Soil Scientist
T: 617.405.4140; F: 617.405.4465; E-mail: cml@lucasenvironmental.net

cc: Blue Sky Towers, LLC – Sean Gormley; ProTerra Design Group, LLC – Tom Johnson (electronic copies)



500A Washington Street, Quincy, MA 02169

October 26, 2017

Via E-mail

Narragansett Indian Tribe
Attn: Sequahna Mars
THPO - Cell Tower Division
P.O. Box 350
Wyoming, RI 02898

Re: Invitation to Comment in Section 106 Consultation Process
TCNS Notification ID# 162632
Site Name: Mashpee Fire Station #2; Site #: MA-5112
101 Red Brook Road, Mashpee, MA 02649

Dear Ms. Mars,

Blue Sky Towers, LLC proposes to construct a wireless facility at 101 Red Brook Road in Mashpee, Massachusetts. In accordance with the Federal Communication Commission (FCC) National Environmental Policy Act (NEPA) rules and Section 106 of the National Historic Preservation Act (NHPA), this telecommunications facility is being evaluated for its compliance with the Federal Communications Commission's Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act (47 CFR Part I, dated January 4, 2005). This notification has been prepared as a follow-up to the Tower Notification System (TCNS) notice (TCNS ID# 162632) which was sent on October 12, 2017.

Lucas Environmental, LLC would like to inquire if you would be interested in commenting on this proposed project. Please refer to the attached Project Summary Form for complete details regarding this proposed project. Attached you will find a USGS topographical map and Aerial map with the APE drawn on the maps, pertinent pages from the project plan set, photographic documentation, and the required fee for Tribal review.

Consistent with the timelines outlined in the Nationwide Programmatic Agreement and FCC-USET Best Practices Agreement, we respectfully request that you please respond to this letter with an opinion of interest or no interest. To submit comments regarding potential effects to historic properties, please contact me at Lucas Environmental, LLC, 500A Washington Street, Quincy, MA 02169 or via telephone at 617.405.4140 and reference the Site # in all correspondence. Please do not hesitate to contact me if you have any questions or concerns about the proposed project.

Thank you for your consideration and assistance during this review.

Sincerely,
LUCAS ENVIRONMENTAL, LLC

Christopher M. Lucas, Principal & Manager, PWS
Environmental Consultant/Soil Scientist
T: 617.405.4140; F: 617.405.4465; E-mail: cml@lucasenvironmental.net

Enclosures: Project Summary Form; Figures; Photographic Documentation; Project Plans; Review Fee

cc: Blue Sky Towers, LLC – Sean Gormley; ProTerra Design Group, LLC – Tom Johnson (electronic copies)



500A Washington Street, Quincy, MA 02169

October 26, 2017

Via E-mail

Narragansett Indian Tribe
Attn: Sequahna Mars
THPO - Cell Tower Division
P.O. Box 350
Wyoming, RI 02898

Re: Invitation to Comment in Section 106 Consultation Process
TCNS Notification ID# 162632
Site Name: Mashpee Fire Station #2; Site #: MA-5112
101 Red Brook Road, Mashpee, MA 02649

Dear Ms. Mars,

Blue Sky Towers, LLC proposes to construct a wireless facility at 101 Red Brook Road in Mashpee, Massachusetts. In accordance with the Federal Communication Commission (FCC) National Environmental Policy Act (NEPA) rules and Section 106 of the National Historic Preservation Act (NHPA), this telecommunications facility is being evaluated for its compliance with the Federal Communications Commission's Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act (47 CFR Part I, dated January 4, 2005). This notification has been prepared as a follow-up to the Tower Notification System (TCNS) notice (TCNS ID# 162632) which was sent on October 12, 2017.

Lucas Environmental, LLC would like to inquire if you would be interested in commenting on this proposed project. Please refer to the attached Project Summary Form for complete details regarding this proposed project. Attached you will find a USGS topographical map and Aerial map with the APE drawn on the maps, pertinent pages from the project plan set, photographic documentation, and the required fee for Tribal review.

Consistent with the timelines outlined in the Nationwide Programmatic Agreement and FCC-USET Best Practices Agreement, we respectfully request that you please respond to this letter with an opinion of interest or no interest. To submit comments regarding potential effects to historic properties, please contact me at Lucas Environmental, LLC, 500A Washington Street, Quincy, MA 02169 or via telephone at 617.405.4140 and reference the Site # in all correspondence. Please do not hesitate to contact me if you have any questions or concerns about the proposed project.

Thank you for your consideration and assistance during this review.

Sincerely,
LUCAS ENVIRONMENTAL, LLC

Christopher M. Lucas, Principal & Manager, PWS
Environmental Consultant/Soil Scientist
T: 617.405.4140; F: 617.405.4465; E-mail: cml@lucasenvironmental.net

Enclosures: Project Summary Form; Figures; Photographic Documentation; Project Plans; Review Fee

cc: Blue Sky Towers, LLC – Sean Gormley; ProTerra Design Group, LLC – Tom Johnson (electronic copies)

Christopher M. Lucas

From: towernotifyinfo@fcc.gov
Sent: Tuesday, January 9, 2018 10:35 PM
To: cml@lucasenvironmental.net
Cc: Sequahna@yahoo.com; Nithpotcns@gmail.com
Subject: Reply to Proposed Tower Structure (Notification ID: 162632) - Email ID #5542215

Dear Christopher M Lucas,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from Program Manager Sequahna Mars of the Narragansett Indian Tribe in reference to Notification ID #162632:

On behalf of the Narragansett Indian Tribe, the Narragansett Indian Tribal Historic preservation Office is hereby formally initiating consultation and review of below mentioned cell tower site. Kindly remit project description, photographs, if applicable, and respective review fees to

Narragansett Indian Tribal Historic Preservation Office Cell Tower Division C O Sequahna Mars TCNS Program
Manager PO Box 350 Wyoming RI 02898

Should you have any questions, please feel free to contact Ms. Mars via email, sequahna@yahoo.com, or at the above mentioned address.

PLEASE NOTE, IF INFORMATION HAS ALREADY BEEN SUBMITTED KINDLY DISREGARD.

Thank you very much for your time.

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 10/06/2017
Notification ID: 162632
Tower Owner Individual or Entity Name: BlueSky Towers, LLC
Consultant Name: Christopher M Lucas
Street Address: Lucas Environmental, LLC
500A Washington Street
City: Quincy
State: MASSACHUSETTS
Zip Code: 02169
Phone: 617-405-4140
Email: cml@lucasenvironmental.net

Structure Type: MTOWER - Monopole

Latitude: 41 deg 35 min 2.9 sec N
Longitude: 70 deg 29 min 3.1 sec W
Location Description: 101 Red Brook Road
City: Mashpee
State: MASSACHUSETTS
County: BARNSTABLE

Detailed Description of Project: A 150-foot monopole is proposed with an optional 6-foot lightning rod (total height of 156 feet). Equipment will be located at the base of the structure within a 5,000 square foot lease area. Note that the access road location has not been finalized.

Ground Elevation: 8.6 meters

Support Structure: 45.7 meters above ground level

Overall Structure: 47.5 meters above ground level

Overall Height AMSL: 56.1 meters above mean sea level



Mashpee Wampanoag Tribe
Section 106 Review
Consultation Response Form

Project ID Number:	TCNS# 162632 Monopole Construction
Consultant/Environmental Firm:	FCC/ Lucas Environmental
Address or Location Description:	101 Red Brook Rd.,
City, State:	Mashpee, MA
Point of Contact	Christopher M. Lucas

Response:

- We have no concerns related to the proposed project. MWT anticipates no adverse effects to our sites of cultural significance, by you or your client.
- The MWT considers this project in compliance with the MWT's section 106 review process with agreed upon mitigations measures.
- This site will require the on-site presence of a Tribal Cultural Resource Monitor during ground disturbing activities. Contact the Compliance Review Supervisor with construction schedule.
- This project has the potential to have "adverse effects" to historic or cultural resources important to our tribe. We recommend the following actions:

Predominantly undisturbed soils encountered during the archaeological intensive locational survey the APE. Our office still has concerns with the APE for the previously stated reasons.

We will require a Tribal CRM to access/monitor ground disturbance (stumping and grubbing activities) associated with construction. We request contact information for the general contractor/project manager in charge of scheduling. The proponent will be responsible for all reasonable cost associated with our monitoring at a rate of \$75.00/hr. plus mileage, which is expected to be paid within 30 days of invoicing.

This consultation process is in compliance to the National Historic Preservation Act of 1966 and all relevant amendments including but not limited to section 106 and 36 CFR 800.

Condition: In the case that unanticipated discoveries of archeological resources or human remains are found during construction, **you must immediately stop construction and notify our office.**

David Weeden, Deputy THPO - Compliance Review
Tribal Historic Preservation Office

July 24, 2018

Date

Christopher M. Lucas

From: Christopher M. Lucas <cml@lucasenvironmental.net>
Sent: Monday, July 9, 2018 8:03 AM
To: 'David Weeden'
Subject: TCNS #1692632, Masphee, MA
Attachments: MPMP_revised.pdf; MHC Response_06-05-18.pdf

Good morning David,

I hope you are having a great summer. I wanted to follow up on the above-reference site that we last discussed in mid-June. We are hoping to conclude the NEPA screening and require your final review of this site. The Applicant received the invoice for the oversight of the archaeological work and will address that separately, but would like to conclude the review.

Could you please let me know when we may expect that so the Applicant may plan accordingly with their work with the town and Cape Cod Commission?

Thank you.

Christopher M. Lucas, Manager, PWS

Environmental Consultant
Certified Wetland Scientist
Registered Professional Soil Scientist

Lucas Environmental, LLC

500A Washington Street
Quincy, MA 02169
T: 617.405.4140
C: 617.894.4470
www.lucasenvironmental.net

Think Sustainable. Keep e-Mail Electronic.

WE HAVE RELOCATED TO 500A WASHINGTON STREET, QUINCY, MA 02169. PLEASE NOTE OUR NEW ADDRESS.

Christopher M. Lucas

From: Christopher M. Lucas <cml@lucasenvironmental.net>
Sent: Thursday, June 14, 2018 8:57 AM
To: 'David Weeden'
Subject: TCNS #1692632, Masphee, MA
Attachments: MPMP_revised.pdf; MHC Response_06-05-18.pdf

Good morning David,

I wanted to follow up on the above-reference site. We had submitted the completed the archaeological assessment in early May for your review. Per the report, ACS recommended no further archaeological conservation efforts for the proposed project, as there were no cultural resources identified during the Phase I intensive (locational) archaeological survey of the project area. MHC requested minor revisions to the report and has issued a concurrence letter (attached).

Please review the report and let us know if you concur that no adverse effects are anticipated so we may conclude our review. Due to the file size, please confirm receipt of this e-mail. We are hoping to conclude this review before the end of June if possible.

Thank you for your time and assistance with this project review.

Christopher M. Lucas, Manager, PWS

Environmental Consultant
Certified Wetland Scientist
Registered Professional Soil Scientist

Lucas Environmental, LLC

500A Washington Street
Quincy, MA 02169
T: 617.405.4140
C: 617.894.4470

www.lucasenvironmental.net

Think Sustainable. Keep e-Mail Electronic.

WE HAVE RELOCATED TO 500A WASHINGTON STREET, QUINCY, MA 02169. PLEASE NOTE OUR NEW ADDRESS.

Christopher M. Lucas

From: Christopher M. Lucas <cml@lucasenvironmental.net>
Sent: Thursday, May 10, 2018 10:24 AM
To: 'David Weeden'
Subject: TCNS #1692632, Masphee, MA
Attachments: MPMP_Final.pdf; Mashpee Response 11-20-17_Section 106 Response 11.20.17.pdf

Good morning David,

ACS has completed the archaeological assessment requested by the Mashpee Wampanoag Tribe. Per the attached report, ACS recommends no further archaeological conservation efforts for the proposed project, as there were no cultural resources identified during the Phase I intensive (locational) archaeological survey of the project area. Please review the report and let us know if you concur that no adverse effects are anticipated so we may conclude our review. Due to the file size, please confirm receipt of this e-mail.

Thank you for your time and assistance with this project review.

Christopher M. Lucas, Manager, PWS

Environmental Consultant
Certified Wetland Scientist
Registered Professional Soil Scientist

Lucas Environmental, LLC

500A Washington Street
Quincy, MA 02169
T: 617.405.4140
C: 617.894.4470
www.lucasenvironmental.net

Think Sustainable. Keep e-Mail Electronic.

WE HAVE RELOCATED TO 500A WASHINGTON STREET, QUINCY, MA 02169. PLEASE NOTE OUR NEW ADDRESS.

Christopher M. Lucas

From: 106Review <106Review@mwtribe-nsn.gov>
Sent: Monday, November 20, 2017 1:13 PM
To: Christopher M. Lucas; 106Review
Cc: David Weeden; Sharman Brown
Subject: RE: Invitation to Comment - TCNS #162632; Mashpee, MA
Attachments: Section 106 Response 11.20.17.pdf

Hell Chris,

Please find our response attached. We consider the area sensitive and ask that an archaeological investigation is coordinated.

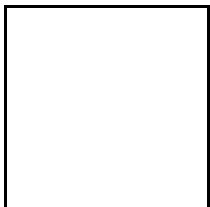
Thanks,

David weeden

From: Christopher M. Lucas [<mailto:cml@lucasenvironmental.net>]
Sent: Tuesday, October 31, 2017 5:33 PM
To: 106Review
Cc: 106Review
Subject: Invitation to Comment - TCNS #162632; Mashpee, MA

Good afternoon,

Please see the attached Invitation to Comment. The link below contain the information required for your review. Please let me know if you have any questions. The review fee has been mailed.



[THPO Attachments.pdf](#)

Thank you.

Christopher M. Lucas, Manager, PWS

Environmental Consultant
Certified Wetland Scientist
Registered Professional Soil Scientist

Lucas Environmental, LLC

500A Washington Street
Quincy, MA 02169
T: 617.405.4140
C: 617.894.4470
www.lucasenvironmental.net

Think Sustainable. Keep e-Mail Electronic.

WE HAVE RELOCATED TO 500A WASHINGTON STREET, QUINCY, MA 02169. PLEASE NOTE OUR NEW ADDRESS.



Mashpee Wampanoag Tribe
Section 106 Review
Consultation Response Form

Project ID Number:	TCNS# 162632 Monopole Construction
Consultant/Environmental Firm:	FCC/ Lucas Environmental
Address or Location Description:	101 Red Brook Rd.,
City, State:	Mashpee, MA
Point of Contact	Christopher M. Lucas

Response:

- We have no concerns related to the proposed project. MWT anticipates no adverse effects to our sites of cultural significance, by you or your client.
- The MWT considers this project in compliance with the MWT’s section 106 review process with agreed upon mitigations measures.
- This site will require the on-site presence of a Tribal Cultural Resource Monitor during ground disturbing activities. Contact the Compliance Review Supervisor with construction schedule.
- This project has the potential to have “adverse effects” to historic or cultural resources important to our tribe. We recommend the following actions:

Historic maps, oral history and traditional cultural knowledge (TCK) informs us that “South Mashpee” has long been an area used for habitation and occupation.

upon review of the USDA’s NRCS soil survey it appears the overall project area is predominantly comprised of well to excessively drained soils. This area is predominantly flat level uplands which are within a 1-1.5 miles from a vast amount of natural resources which would sustain habitation.

Considering the environmental setting and the proximity to wetland/water resources which are favorable to sustain Wampanoag habitation and occupation, our office considers this APE-DE is moderate for archaeological sensitivity. MHC’s inventories list known pre-contact archaeological sites within 1-2 miles of the APE, this reflects use of the area, the overall project area has moderate potential for unanticipated cultural resources. Potential archaeological evidence of pre-contact period Native American activity could include subsistence-related features such as hearths, food storage/disposal pits, living areas including post molds, lithic workshops, diagnostic chipped and ground stone tool assemblages.

We will require a Tribal CRM to access/monitor ground disturbing activities involved with Archaeology and or construction. We request contact information for the general contractor/project manager in charge of scheduling. The proponent will be responsible for all reasonable all reasonable cost associated with our monitoring at a rate of \$75.00/hr. plus mileage which is expected to be paid within 30 days of invoicing.

This consultation process is in compliance to the National Historic Preservation Act of 1966 and all relevant amendments including but not limited to section 106 and 36 CFR 800.

Condition: In the case that unanticipated discoveries of archeological resources or human remains are found during construction, **you must immediately stop construction and notify our office.**



David Weeden, Deputy THPO - Compliance Review
Tribal Historic Preservation Office

11/20/17

Date



500A Washington Street, Quincy, MA 02169

October 26, 2017

Via E-mail

Mashpee Wampanoag Indian Tribe
Attn: Ramona Peters
Tribal Historic Preservation Department
483 Great Neck Road South
Mashpee, MA 02649

Re: Invitation to Comment in Section 106 Consultation Process
TCNS Notification ID# 162632
Site Name: Mashpee Fire Station #2; Site #: MA-5112
101 Red Brook Road, Mashpee, MA 02649

Dear Ms. Peters,

Blue Sky Towers, LLC proposes to construct a wireless facility at 101 Red Brook Road in Mashpee, Massachusetts. In accordance with the Federal Communication Commission (FCC) National Environmental Policy Act (NEPA) rules and Section 106 of the National Historic Preservation Act (NHPA), this telecommunications facility is being evaluated for its compliance with the Federal Communications Commission's Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act (47 CFR Part I, dated January 4, 2005). This notification has been prepared as a follow-up to the Tower Notification System (TCNS) notice (TCNS ID# 162632) which was sent on October 12, 2017.

Lucas Environmental, LLC would like to inquire if you would be interested in commenting on this proposed project. Please refer to the attached Project Summary Form for complete details regarding this proposed project. Attached you will find a USGS topographical map and Aerial map with the APE drawn on the maps, pertinent pages from the project plan set, and the required fee for Tribal review. PAL completed a community-wide archaeological reconnaissance survey in 2011 for the Town of Mashpee. Two maps from the report are attached showing the site located outside of pre-contact and post-contact sensitive areas.

Consistent with the timelines outlined in the Nationwide Programmatic Agreement and FCC-USET Best Practices Agreement, we respectfully request that you please respond to this letter with an opinion of interest or no interest. To submit comments regarding potential effects to historic properties, please contact me at Lucas Environmental, LLC, 500A Washington Street, Quincy, MA 02169 or via telephone at 617.405.4140 and reference the Site # in all correspondence. Please do not hesitate to contact me if you have any questions or concerns about the proposed project.

Thank you for your consideration and assistance during this review.

Sincerely,
LUCAS ENVIRONMENTAL, LLC

Christopher M. Lucas, Principal & Manager, PWS
Environmental Consultant/Soil Scientist
T: 617.405.4140; F: 617.405.4465; E-mail: cml@lucasenvironmental.net

Enclosures: Project Summary Form; Figures; PAL Plans; Project Plans; Review Fee

cc: Blue Sky Towers, LLC – Sean Gormley; ProTerra Design Group, LLC – Tom Johnson (electronic copies)



500A Washington Street, Quincy, MA 02169

October 26, 2017

Via E-mail

Mashpee Wampanoag Indian Tribe
Attn: Ramona Peters
Tribal Historic Preservation Department
483 Great Neck Road South
Mashpee, MA 02649

Re: Invitation to Comment in Section 106 Consultation Process
TCNS Notification ID# 162632
Site Name: Mashpee Fire Station #2; Site #: MA-5112
101 Red Brook Road, Mashpee, MA 02649

Dear Ms. Peters,

Blue Sky Towers, LLC proposes to construct a wireless facility at 101 Red Brook Road in Mashpee, Massachusetts. In accordance with the Federal Communication Commission (FCC) National Environmental Policy Act (NEPA) rules and Section 106 of the National Historic Preservation Act (NHPA), this telecommunications facility is being evaluated for its compliance with the Federal Communications Commission's Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act (47 CFR Part I, dated January 4, 2005). This notification has been prepared as a follow-up to the Tower Notification System (TCNS) notice (TCNS ID# 162632) which was sent on October 12, 2017.

Lucas Environmental, LLC would like to inquire if you would be interested in commenting on this proposed project. Please refer to the attached Project Summary Form for complete details regarding this proposed project. Attached you will find a USGS topographical map and Aerial map with the APE drawn on the maps, pertinent pages from the project plan set, and the required fee for Tribal review. PAL completed a community-wide archaeological reconnaissance survey in 2011 for the Town of Mashpee. Two maps from the report are attached showing the site located outside of pre-contact and post-contact sensitive areas.

Consistent with the timelines outlined in the Nationwide Programmatic Agreement and FCC-USET Best Practices Agreement, we respectfully request that you please respond to this letter with an opinion of interest or no interest. To submit comments regarding potential effects to historic properties, please contact me at Lucas Environmental, LLC, 500A Washington Street, Quincy, MA 02169 or via telephone at 617.405.4140 and reference the Site # in all correspondence. Please do not hesitate to contact me if you have any questions or concerns about the proposed project.

Thank you for your consideration and assistance during this review.

Sincerely,
LUCAS ENVIRONMENTAL, LLC

Christopher M. Lucas, Principal & Manager, PWS
Environmental Consultant/Soil Scientist
T: 617.405.4140; F: 617.405.4465; E-mail: cml@lucasenvironmental.net

Enclosures: Project Summary Form; Figures; PAL Plans; Project Plans; Review Fee

cc: Blue Sky Towers, LLC – Sean Gormley; ProTerra Design Group, LLC – Tom Johnson (electronic copies)

Christopher M. Lucas

From: towernotifyinfo@fcc.gov
Sent: Friday, January 12, 2018 1:47 PM
To: cml@lucasenvironmental.net
Cc: tcns.fccarchive@fcc.gov; 106Review@mwtribe-nsn.gov
Subject: Reply to Proposed Tower Structure (Notification ID: 162632) - Email ID #5553973

Dear Christopher M Lucas,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from THPO Ramona Peters of the Mashpee Wampanoag Indian Tribe in reference to Notification ID #162632:

We have an interest in this site and would like the applicant to contact us.

David Weeden
508-477-0208

This project has the potential to have “adverse effects” to historic or cultural resources important to our tribe. We recommend the following actions:

Our office has reviewed the Archeological Report by Barbara Donahue dated December 6, 2017 MWT THPD disagrees with her determination and recommendations, historic maps, oral history and traditional cultural knowledge (TCK) informs us that “South Mashpee” has long been an area used for habitation and occupation.

Upon review of the USDA’s NRCS soil survey it appears the overall project area is predominantly comprised of well to excessively drained soils. This area is predominantly flat level uplands which are within a 1-1.5 miles from a vast amount of natural resources which would sustain habitation.

Considering the environmental setting and the proximity to wetlands/water resources such as Abigail Brook, Red Brook, Ockway Bay, Great River and cedar swamps less than one mile away and are favorable to sustain Wampanoag habitation and occupation, our office considers this APE-DE is moderate for archaeological sensitivity. MHC’s inventories list known pre-contact archaeological sites within 1-2 miles of the APE, this reflects use of the area, the overall project area has moderate potential for unanticipated cultural resources. Potential archaeological evidence of pre-contact period Native American activity could include subsistence-related features such as hearths, food storage/disposal pits, living areas including post molds, lithic workshops, diagnostic chipped and ground stone tool assemblages.

We will require a Tribal CRM to access/monitor ground disturbing activities involved with Archaeology and or construction. We request contact information for the general contractor/project manager in charge of scheduling. The proponent will be responsible for all reasonable all reasonable cost associated with our monitoring at a rate of \$75.00/hr. plus mileage which is expected to be paid within 30 days of invoicing.

This consultation process is in compliance to the National Historic Preservation Act of 1966 and all relevant amendments including but not limited to section 106 and 36 CFR 800.

Condition: In the case that unanticipated discoveries of archeological resources or human remains are found during construction, you must immediately stop construction and notify our office.

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 10/06/2017
Notification ID: 162632
Tower Owner Individual or Entity Name: BlueSky Towers, LLC
Consultant Name: Christopher M Lucas
Street Address: Lucas Environmental, LLC
500A Washington Street
City: Quincy
State: MASSACHUSETTS
Zip Code: 02169
Phone: 617-405-4140
Email: cml@lucasenvironmental.net

Structure Type: MTOWER - Monopole
Latitude: 41 deg 35 min 2.9 sec N
Longitude: 70 deg 29 min 3.1 sec W
Location Description: 101 Red Brook Road
City: Mashpee
State: MASSACHUSETTS
County: BARNSTABLE

Detailed Description of Project: A 150-foot monopole is proposed with an optional 6-foot lightning rod (total height of 156 feet). Equipment will be located at the base of the structure within a 5,000 square foot lease area. Note that the access road location has not been finalized.

Ground Elevation: 8.6 meters
Support Structure: 45.7 meters above ground level
Overall Structure: 47.5 meters above ground level
Overall Height AMSL: 56.1 meters above mean sea level

Christopher M. Lucas

From: towernotifyinfo@fcc.gov
Sent: Thursday, May 10, 2018 9:54 AM
To: cml@lucasenvironmental.net
Cc: tcnsweekly@fcc.gov
Subject: Proposed Construction of Communications Facilities Notification of Final Contacts - Email ID #21857

BlueSky Towers, LLC
Christopher M Lucas
Lucas Environmental, LLC
500A Washington Street
Quincy, MA 02169

Dear Applicant:

This letter addresses the proposed communications facilities listed below that you have referred to the Federal Communications Commission (Commission) for purposes of contacting federally recognized Indian Tribes, including Alaska Native Villages (collectively Indian Tribes), and Native Hawaiian Organizations (NHOs), as specified by Section IV.G of the Nationwide Programmatic Agreement (NPA). Consistent with the procedures outlined in the Commission's recent Declaratory Ruling (1), we have contacted the Indian Tribes or NHOs identified in the attached Table for the projects listed in the attached Table. You referred these projects to us between 05/03/2018 and 05/10/2018. Our contact with these Tribal Nations or NHOs was sent on 05/10/2018.

Thus, as described in the Declaratory Ruling (2), if you or Commission staff do not receive a statement of interest regarding a particular project from any Tribe or NHO within 20 calendar days of 05/10/2018, your obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete(3). If a Tribal Nation or NHO responds that it is interested in participating within the 20 calendar day period, the Applicant must involve it in the review as set forth in the NPA, and may not begin construction until the process set forth in the NPA is completed.

You are reminded that Section IX of the NPA imposes independent obligations on an Applicant when a previously unidentified site that may be a historic property, including an archeological property, is discovered during construction or after the completion of review(4). In such instances, the Applicant must cease construction and promptly notify, among others, any potentially affected Tribal Nation or NHO. A Tribal Nation's or NHO's failure to express interest in participating in pre-construction review of an undertaking does not necessarily mean it is not interested in archeological properties or human remains that may inadvertently be discovered during construction. Hence, an Applicant is still required to notify any potentially affected Tribal Nation or NHO of any such finds pursuant to Section IX or other applicable law.

Sincerely,
Jill Springer
Acting Federal Preservation Officer
Federal Communications Commission
jill.springer@fcc.gov

1) See Clarification of Procedures for Participation of Federally Recognized Indian Tribes and Native Hawaiian Organizations Under the Nationwide Programmatic Agreement, Declaratory Ruling, FCC 05-176 (released October 6, 2005) (Declaratory Ruling).

2) Id S 8-10.

3) We note that, under the Declaratory Ruling, an expression of interest by an Indian Tribe or NHO addressed solely to the Commission staff during the 20-day period is sufficient even if it does not contact the Applicant.

4) Id at S 11.

LIST OF PROPOSED COMMUNICATIONS TOWERS

TCNS# 162632 Referred Date: 05/03/2018 Location: 101 Red Brook Road, Mashpee, MA

Detailed Description of Project: A 150-foot monopole is proposed with an optional 6-foot lightning rod (total height of 156 feet). Equipment will be located at the base of the structure within a 5,000 square foot lease area. Note that the access road location has not been finalized.

Tribe Name: Wampanoag Tribe of Gay Head-Aquinnah

LEGEND:

* - Notification numbers are assigned by the Commission staff for sites where initial contact was not made through TCNS.

Christopher M. Lucas

From: towernotifyinfo@fcc.gov
Sent: Thursday, May 3, 2018 9:59 AM
To: cml@lucasenvironmental.net
Subject: Confirmation - Referral of a Proposed Tower Construction Notification - Email ID # 5769665

Dear Christopher M Lucas,

Your referral of a proposed tower structure notification has been successfully submitted via the Tower Construction Notification System. The Federal Communications Commission (FCC) will be processing this referral for purposes of contacting federally recognized Indian Tribes, including Alaska Native Villages, and Native Hawaiian Organizations as specified by Section IV.G of the Nationwide Programmatic Agreement and the Declaratory Ruling of October 6, 2005. You will receive a Proposed Construction of Communications Facilities Notification of Final Contacts when the FCC has completed processing this referral. Below are the details you provided in the referral of the tower you have proposed to construct:

Notification Received: 10/06/2017

Notification Referred: 05/03/2018

Notification ID: 162632

Tower Owner Individual or Entity Name: BlueSky Towers, LLC

Consultant Name: Christopher M Lucas

Street Address: Lucas Environmental, LLC

500A Washington Street

City: Quincy

State: MASSACHUSETTS

Zip Code: 02169

Phone: 617-405-4140

Email: cml@lucasenvironmental.net

Structure Type: MTOWER - Monopole

Latitude: 41 deg 35 min 2.9 sec N

Longitude: 70 deg 29 min 3.1 sec W

Location Description: 101 Red Brook Road

City: Mashpee

State: MASSACHUSETTS

County: BARNSTABLE

Detailed Description of Project: A 150-foot monopole is proposed with an optional 6-foot lightning rod (total height of 156 feet). Equipment will be located at the base of the structure within a 5,000 square foot lease area. Note that the access road location has not been finalized.

Ground Elevation: 8.6 meters

Support Structure: 45.7 meters above ground level

Overall Structure: 47.5 meters above ground level

Overall Height AMSL: 56.1 meters above mean sea level

Entities Who Have Not Responded:

Wampanoag Tribe of Gay Head-Aquinnah

First Contact Date: 10/12/2017
Second Contact Date: 01/11/2018

**Note that the FCC will assign a unique Notification ID number for a site where the initial contact was not made through TCNS. You will need to reference this Notification ID number when you update your project's Status with us.

Christopher M. Lucas

From: Christopher M. Lucas <cml@lucasenvironmental.net>
Sent: Thursday, January 11, 2018 1:09 PM
To: mandrews@wampanoagtribe.net
Subject: TCNS Notification ID# 162632, Mashpee, MA
Attachments: 2nd Notice_THPO Letters_12-19-17_Red Brook Road_Wampanoag.pdf

Hi Mark,

As discussed the project we are inquiring about is
TCNS Notification ID# 162632
Site Name: Mashpee Fire Station #2; Site #: MA-5112
101 Red Brook Road, Mashpee, MA 02649

Also, let me know if your THPO office would be interested in working with some of our clients on completing reviews in 30 or 45 days with an expedited review fee of some sort.

Thank you.

Christopher M. Lucas, Manager, PWS

Environmental Consultant
Certified Wetland Scientist
Registered Professional Soil Scientist

Lucas Environmental, LLC

500A Washington Street
Quincy, MA 02169
T: 617.405.4140
C: 617.894.4470
www.lucasenvironmental.net

Think Sustainable. Keep e-Mail Electronic.

WE HAVE RELOCATED TO 500A WASHINGTON STREET, QUINCY, MA 02169. PLEASE NOTE OUR NEW ADDRESS.



500A Washington Street, Quincy, MA 02169

VIA E-MAIL

December 19, 2017

Wampanoag Tribe of Gay Head - Aquinnah
Attn: Bettina Washington
Cultural Resource Protection Office
20 Black Brook Road
Aquinnah, MA 02535-1546

Re: Invitation to Comment in Section 106 Consultation Process
TCNS Notification ID# 162632
Site Name: Mashpee Fire Station #2; Site #: MA-5112
101 Red Brook Road, Mashpee, MA 02649

Dear Ms. Washington,

Blue Sky Towers, LLC proposes to construct a wireless facility at 101 Red Brook Road in Mashpee, Massachusetts. In accordance with the Federal Communication Commission (FCC) National Environmental Policy Act (NEPA) rules and Section 106 of the National Historic Preservation Act (NHPA), this telecommunications facility is being evaluated for its compliance with the Federal Communications Commission's Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act (47 CFR Part I, dated January 4, 2005). Lucas Environmental, LLC reviewed the proposed project plans against the Exclusions of the *Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process* (NPA) and concluded that the proposed telecommunications facility does not meet any of the Exclusions listed in Section III of the NPA.

This notification has been prepared as a follow-up to the Tower Notification System (TCNS) notice (TCNS ID# 162632) which was sent on October 12, 2017. Additionally, Lucas Environmental contacted you on October 26, 2017 in regards to an Invitation to Comment in Section 106 Consultation Process. As of the date of this letter, Lucas Environmental has not received a response from your Tribe indicating whether you have interest in commenting on this project. A new review fee check was sent on November 27, 2017 per your request.

Consistent with the timelines outlined in the Nationwide Programmatic Agreement and FCC-USET Best Practices Agreement, we respectfully request that you please respond to this letter with an opinion of interest or no interest. Please submit correspondence to Lucas Environmental, LLC, 500A Washington Street, Quincy, MA 02169 or via telephone at 617.405.4140 and reference the Site # in all correspondence. Please do not hesitate to contact me if you have any questions or concerns about the proposed project.

Thank you for your consideration and assistance during this review.

Sincerely,
LUCAS ENVIRONMENTAL, LLC

A handwritten signature in blue ink that reads 'Christopher M. Lucas'.

Christopher M. Lucas, Principal & Manager, PWS
Environmental Consultant/Soil Scientist
T: 617.405.4140; F: 617.405.4465; E-mail: cml@lucasenvironmental.net

cc: Blue Sky Towers, LLC – Sean Gormley; ProTerra Design Group, LLC – Tom Johnson (electronic copies)
Wampanoag Tribe of Gay Head – Aquinnah, Mark Andrews



500A Washington Street, Quincy, MA 02169

November 27, 2017

Wampanoag Tribe of Gay Head - Aquinnah
Attn: Bettina Washington
Cultural Resource Protection Office
20 Black Brook Road
Aquinnah, MA 02535-1546

Re: Review Fee
TCNS Notification ID# 162632
Site Name: Mashpee Fire Station #2; Site #: MA-5112
101 Red Brook Road, Mashpee, MA 02649

Dear Ms. Washington,

I have attached the correct review fee for the above-referenced project as requested in your November 20th letter. An accounting error left the payment amount blank on the previous check. We apologize for any delays this caused your review. Please do not hesitate to contact me if you have any questions or concerns about the proposed project.

Thank you for your consideration and assistance during this review.

Sincerely,
LUCAS ENVIRONMENTAL, LLC

A handwritten signature in blue ink that reads 'Christopher M. Lucas'.

Christopher M. Lucas, Principal & Manager, PWS
Environmental Consultant/Soil Scientist
T: 617.405.4140; F: 617.405.4465; E-mail: cml@lucasenvironmental.net

Enclosures: Review Fee



500A Washington Street, Quincy, MA 02169

October 26, 2017

Wampanoag Tribe of Gay Head - Aquinnah
Attn: Bettina Washington
Cultural Resource Protection Office
20 Black Brook Road
Aquinnah, MA 02535-1546

Re: Invitation to Comment in Section 106 Consultation Process
TCNS Notification ID# 162632
Site Name: Mashpee Fire Station #2; Site #: MA-5112
101 Red Brook Road, Mashpee, MA 02649

Dear Ms. Washington,

Blue Sky Towers, LLC proposes to construct a wireless facility at 101 Red Brook Road in Mashpee, Massachusetts. In accordance with the Federal Communication Commission (FCC) National Environmental Policy Act (NEPA) rules and Section 106 of the National Historic Preservation Act (NHPA), this telecommunications facility is being evaluated for its compliance with the Federal Communications Commission's Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act (47 CFR Part I, dated January 4, 2005). This notification has been prepared as a follow-up to the Tower Notification System (TCNS) notice (TCNS ID# 162632) which was sent on October 12, 2017.

Lucas Environmental, LLC would like to inquire if you would be interested in commenting on this proposed project. Please refer to the attached Project Summary Form for complete details regarding this proposed project. Attached you will find a USGS topographical map and Aerial map with the APE drawn on the maps, pertinent pages from the project plan set, and the required fee for Tribal review. PAL completed a community-wide archaeological reconnaissance survey in 2011 for the Town of Mashpee. Two maps from the report are attached showing the site located outside of pre-contact and post-contact sensitive areas.

Consistent with the timelines outlined in the Nationwide Programmatic Agreement and FCC-USET Best Practices Agreement, we respectfully request that you please respond to this letter with an opinion of interest or no interest. To submit comments regarding potential effects to historic properties, please contact me at Lucas Environmental, LLC, 500A Washington Street, Quincy, MA 02169 or via telephone at 617.405.4140 and reference the Site # in all correspondence. Please do not hesitate to contact me if you have any questions or concerns about the proposed project.

Thank you for your consideration and assistance during this review.

Sincerely,
LUCAS ENVIRONMENTAL, LLC

Christopher M. Lucas, Principal & Manager, PWS
Environmental Consultant/Soil Scientist
T: 617.405.4140; F: 617.405.4465; E-mail: cml@lucasenvironmental.net

Enclosures: Project Summary Form; Figures; PAL Plans; Project Plans; Review Fee

cc: Blue Sky Towers, LLC – Sean Gormley; ProTerra Design Group, LLC – Tom Johnson (electronic copies)

7017 1450 0000 6418 4323

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

WYOMING, RI 02898

OFFICIAL USE

Certified Mail Fee	\$3.35
Extra Services & Fees (check box, add fee as appropriate)	\$2.75
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.49
Total Postage and Fees	\$6.59

Sent To
 Street and
 City, State

**Narragansett Indian Tribe
 Attn: Sequahna Mars
 THPO-Cell Tower Division
 P.O. Box 350
 Wyoming, RI 02898**

PS Form 3800, October 2010



7017 1450 0000 6418 4316

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For delivery information, visit our website at www.usps.com®.

BARAGA, MI 49908

OFFICIAL USE

Certified Mail Fee	\$3.35
Extra Services & Fees (check box, add fee as appropriate)	\$2.75
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.40
Total Postage and Fees	\$7.55

Sent To
 Street and
 City, State

**Wewau Bay Indian Community
 Tribal Historic Preservation Office
 Attn: Gary Loonsfoot
 16429 Beartown Road
 Baraga, Michigan 49908**

PS Form 3800, October 2010



7017 1450 0000 6418 4347

U.S. Postal Service™
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Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

MASHPEE, MA 02649

OFFICIAL USE

Certified Mail Fee	\$3.35
Extra Services & Fees (check box, add fee as appropriate)	\$2.75
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.49
Total Postage and Fees	\$6.59

Sent To
 Street and
 City, State

**Mashpee Wampanoag Indian Tribe
 Attn: Ramona Peters
 Tribal Historic Preservation Department
 483 Great Neck Road South
 Mashpee, MA 02649**

PS Form 3800, October 2010



7017 1450 0000 6418 4309

U.S. Postal Service™
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For delivery information, visit our website at www.usps.com®.

CHILMARK, MA 02535

OFFICIAL USE

Certified Mail Fee	\$3.35
Extra Services & Fees (check box, add fee as appropriate)	\$2.75
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.40
Total Postage and Fees	\$7.50

Sent To
 Street and
 City, State

**Wampanoag Tribe of Gay Head - Aquinnah
 Attn: Bettina Washington
 Cultural Resource Protection Office
 20 Black Brook Road
 Aquinnah, MA 02535-1546**

PS Form 3800, October 2010



7017 1450 0000 6418 4330

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For delivery information, visit our website at www.usps.com®.

WATERSMEET, MI 49969

OFFICIAL USE

Certified Mail Fee	\$3.35
Extra Services & Fees (check box, add fee as appropriate)	\$2.75
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.49
Total Postage and Fees	\$6.59

Sent To
 Street and
 City, State

**Lac Vieux Desert Band of Lake Superior
 Chippewa Indians]
 Getegitigaaning Ojibwe Nation THPO
 Attn: Ms. Daisy McGeshick
 PO Box: 249, Watersmeet, MI 49969**

PS Form 3800, October 2010



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Keweenaw Bay Indian Community
Tribal Historic Preservation Office
Attn: Gary Loonsfoot
16429 Beartown Road
Baraga, Michigan 49908



9590 9402 2588 6336 8624 47

2. Article Number (Transfer from service label)
7017 1450 0000 6418 431

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Agent

B. Received by (Printed Name) C. Date of Delivery
KIBI Tribal Center RECEIVED

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

OCT 30 2017
16429 Beartown Rd.
Baraga, MI 49908

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Wampanoag Tribe of Gay Head - Aquinnah
Attn: Bettina Washington
Cultural Resource Protection Office
20 Black Brook Road
Aquinnah, MA 02535-1546



9590 9402 2588 6336 8624 54

2. Article Number (Transfer from service label)
7017 1450 0000 6418 430

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Agent Addressee

B. Received by (Printed Name) C. Date of Delivery
Pm POWLES

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Lac Vieux Desert Band of Lake Superior
Chippewa Indians]
Getegitigaaning Ojibwe Nation THPO
Attn: Ms. Daisy McGeshick
PO Box: 249, Watersmeet, MI 49969



9590 9402 2588 6336 8624 78

2. Article Number (Transfer from service label)
7017 1450 0000 6418 4330

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Agent Addressee

B. Received by (Printed Name) C. Date of Delivery
Bea Bailey 10/31/17

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Narragansett Indian Tribe
 Attn: Sequahna Mars
 THPO-Ceil Tower Division
 P.O. Box 350
 Wyoming, RI 02398



9590 9402 2588 6336 8624 85

2. Article Number (Transfer from service label)

7017 1450 0000 6418 4323

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (Printed Name)
 Sequahna Mars

C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mashpee Wampanoag Indian Tribe
 Attn: Ramona Peters
 Tribal Historic Preservation Department
 483 Great Neck Road South
 Mashpee, MA 02649



9590 9402 2588 6336 8624 61

2. Article Number (Transfer from service label)

7017 1450 0000 6418 4347

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail (over \$500)
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

Domestic Return Receipt



PROJECT SUMMARY FORM

Site ID: Mashpee Fire Station #2 MA-5112	Site Address: 101 Red Brook Road Mashpee, MA 02649	Site Type (choose one): <input checked="" type="checkbox"/> Raw Land <input type="checkbox"/> Tower Colocation <input type="checkbox"/> Other Colocation <input type="checkbox"/> Tower Replacement
---	---	--

Site Location

Latitude: 41° 35' 2.89" N
Longitude: 70° 29' 3.08" W

Existing Conditions

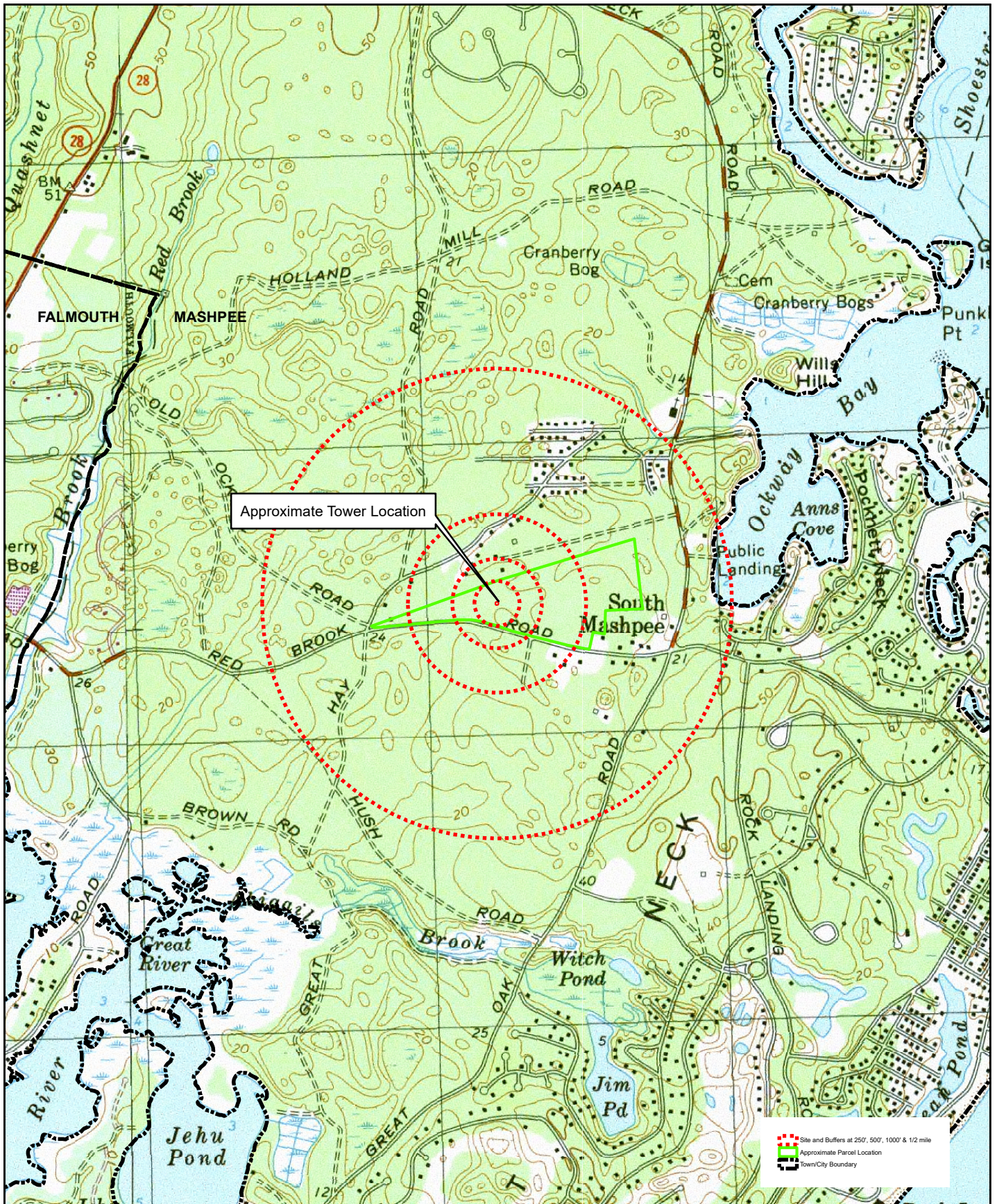
The proposed telecommunications facility is sited on a portion of a parcel located at 101 Red Brook Road in Mashpee, Massachusetts (Map 104, Lot 2). The property is an approximate 37-acre parcel which contains the Mashpee Fire Station (#2), parking lot, stormwater structures, and undeveloped woodlands. The woodlands can be characterized as a mixed oak-white pine forest. The site is bound to the west, north, and east by forested uplands, and to the south by Red Brook Road. No wetland resource areas are located in the vicinity of the project work areas.

Project Description

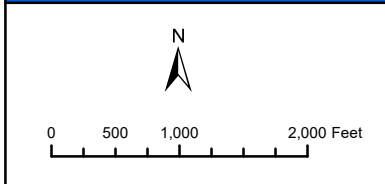
The proposed telecommunications facility will be located within a wooded area east of the existing fire station. The lease area for the facility is approximately 100-foot by 100-foot, and will contain a 150-foot tall monopole with an optional six-foot lightning rod for a total height of 156 feet. Associated telecommunications equipment will be located outside at the base of the structure within the fenced compound surrounded by a six-foot tall chain link fence with barbed wires, while a pad-mounted transformer will be located just outside the compound. The facility will be accessed via a 12-foot wide gravel driveway along a 20-foot wide access and utility easement, which will extend from the existing access road behind the fire station.

Ground Disturbance

Ground disturbance and tree clearing will be required for the planned telecommunications tower, associated equipment, fencing, and utilities.



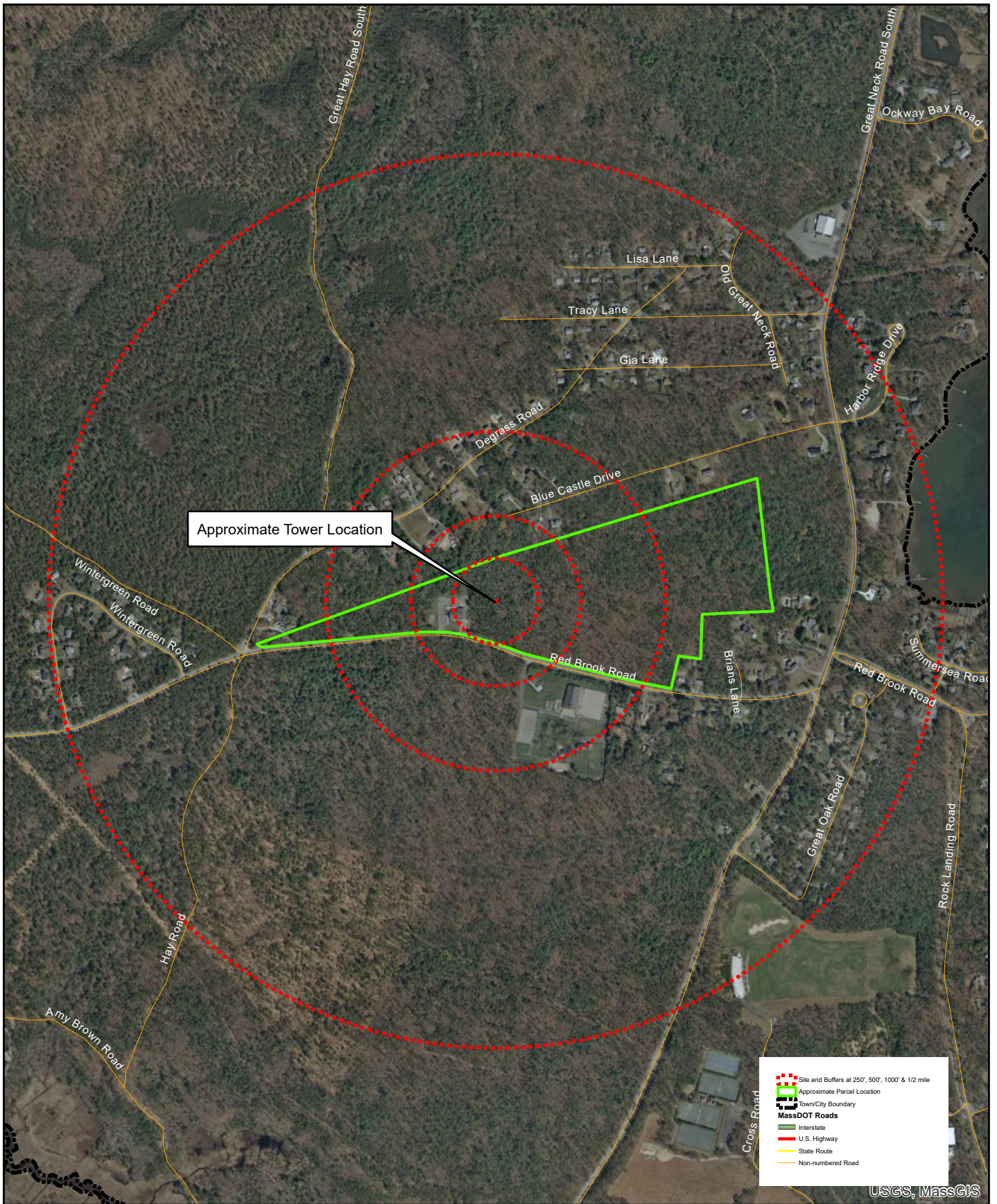
Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Environmental Affairs; USGS Color Ortho Imagery - 30cm (2013/2014)



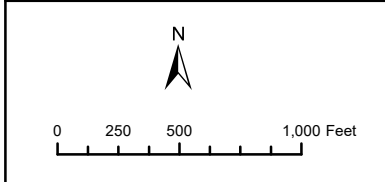
USGS Map
Telecommunications Facility
101 Red Brook Road
Mashpee, MA

FIGURE 1

LUCAS
 ENVIRONMENTAL, LLC



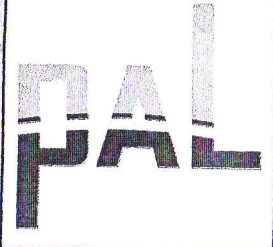
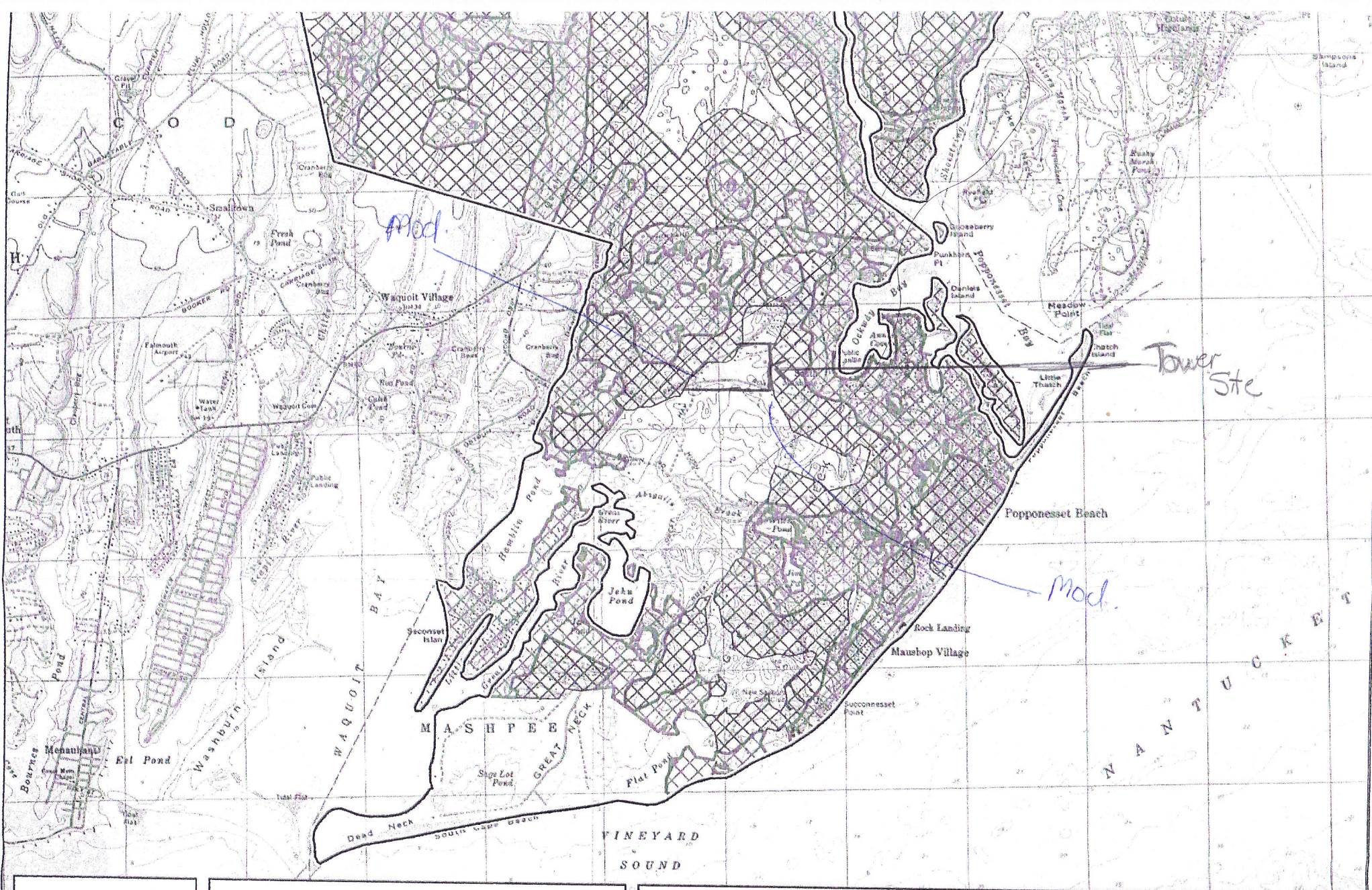
Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Environmental Affairs; USGS Color Ortho Imagery - 30cm (2013/2014)



Aerial Map
Telecommunications Facility
101 Red Brook Road
Mashpee, MA

FIGURE 2

LUCAS
 ENVIRONMENTAL, LLC



Revisions / Modifications / Data Source	
PAL revised: Archaeological sensitivity revised	12-20-2011
PAL modified: Archaeological sensitivity added	3-22-2011
Base imagery source: National Geographic Society, i-cubed (ArcGIS Online)	3-8-2011
Base imagery: Seamless, scanned images of USGS paper topographic maps	Various
The base information contained in this map was supplied to PAL as a professional courtesy for informational and illustrative purposes only. PAL makes no warranties, either expressed or implied, regarding the fitness or suitability of this map for any other purpose than to depict the location and/or results of cultural resource investigations conducted by PAL.	

KEY: *PreContact*

- Municipal Boundary
- Pre-contact Archaeological Sensitivity:*
 - High Sensitivity
 - Moderate Sensitivity



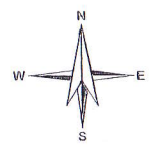
Revisions / Modifications / Data Source	
PAL revised:	
PAL modified: Archaeological sensitivity added	3-22-2011
Base imagery source: National Geographic Society, I-cubed (ArcGIS Online)	3-8-2011

KEY:

Municipal Boundary

Post-contact Archaeological Sensitivity:

Postcontact





SITE NAME: MASHPEE FIRE STATION #2
SITE NUMBER: MA-5112
ADDRESS: 101 RED BROOK ROAD
MASHPEE, MA 02649

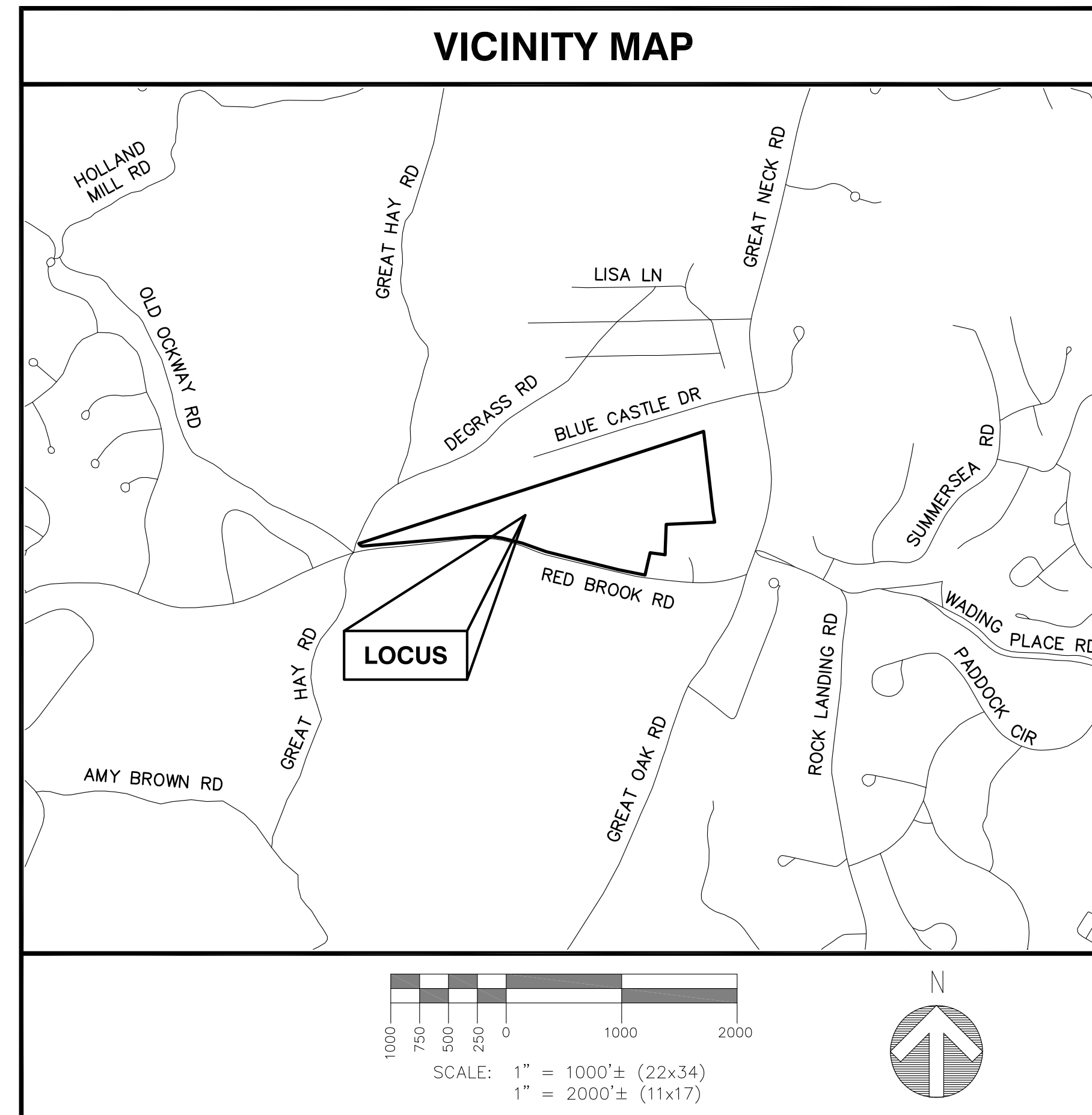
CO-APPLICANT INFORMATION	
	SITE NUMBER: TBD SITE NAME: TBD
	CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS 118 FLANDERS ROAD THIRD FLOOR WESTBOROUGH, MA 01581

PROJECT INFORMATION	
SITE TYPE:	RAW LAND WIRELESS COMMUNICATIONS FACILITY
SCOPE OF WORK:	PROPOSED 150' TALL MONOPOLE WITH 70'x70' FENCED COMPOUND WITHIN 100'x100' LEASE AREA.
SITE NAME:	MASHPEE FIRE STATION #2
SITE NUMBER:	MA-5112
SITE ADDRESS:	101 RED BROOK ROAD MASHPEE, MA 02649
ASSESSOR'S TAX ID#:	MAP 104 LOT 2
ZONING DISTRICT(S):	RESIDENTIAL DISTRICT (R-3) WIRELESS FACILITY OVERLAY DISTRICT GROUNDWATER PROTECTION OVERLAY DISTRICT
LATITUDE:	41° 35' 02.89"± N (SURVEY 1A)
LONGITUDE:	70° 29' 03.08"± W (SURVEY 1A)
(P) ELEVATION:	28.3'±
DATUM:	NAD83/NAVD88
PROPERTY OWNER:	N/F TOWN OF MASHPEE 16 GREAT NECK ROAD NORTH MASHPEE, MA 02649
APPLICANT:	BLUE SKY TOWERS, LLC 352 PARK STREET SUITE 106 NORTH READING, MA 01864
SITE ENGINEER:	PROTERRA DESIGN GROUP, LLC 4 BAY ROAD BUILDING A; SUITE 200 HADLEY, MA 01035 TEL: (413) 320-4918
SURVEYOR:	NORTHEAST SURVEY CONSULTANTS 116 PLEASANT STREET SUITE 302 EASTHAMPTON, MA 01027 TEL: (413) 203-5144

DRAWING INDEX		
SHEET	DESCRIPTION	REVISION
T-1	TITLE SHEET	B
C-1	ABUTTERS PLAN	0
C-2	EXISTING CONDITIONS	0
A-1	AERIAL & USGS MAPS	B
A-2	COMPILED PLOT PLAN	B
A-3	OVERALL SITE PLAN	B
A-4	COMPOUND PLAN & ELEVATION	B
SE-1 TO SE-2	SITING ELEVATIONS	B
D-1	DETAILS	B
CA-1 TO CA-2	CO-APPLICANT DETAILS	B
EC-1	EROSION CONTROL PLAN & DETAILS	B

GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER & APPLICANT REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME. PLANS FOR PERMITTING PURPOSES ONLY. NOT FOR CONSTRUCTION.
- ALL UNDERGROUND UTILITY INFORMATION WAS DETERMINED FROM SURFACE INVESTIGATIONS AND EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK. CALL DIG-SAFE (888) 344-7233 72-HOURS PRIOR TO ANY EXCAVATION.
- THIS SHEET WAS ORIGINALLY PRINTED TO ANSI D (22"x34") WITH 1" MARGINS. PRINTING TO ANSI B (11"x17") WILL RESULT IN A HALF-SCALE (1:2) SHEET SET WITH 1/2" MARGINS. CONFIRM ALL SCALED DISTANCES WITH GRAPHICAL SCALES SHOWN HEREIN.
- NEW CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
BUILDING CODE: MASSACHUSETTS STATE BUILDING CODE (780 CMR) 8TH EDITION (IBC) AND AMENDMENTS
ELECTRICAL CODE: NEC 2014 WITH MASSACHUSETTS AMENDMENTS (527 CMR 12.00)



PERMITTING REVIEW

ProTerra
DESIGN GROUP, LLC

4 Bay Road
Building A; Suite 200
Hadley, MA 01035
Ph: (413)320-4918

CONSULTANTS:

--	--

REVISIONS

NO.	DATE	ISSUED FOR REVIEW
A	09/27/17	CCC (PRELIM. REVIEW)
B	10/18/17	CCC (PRELIM. REVIEW)

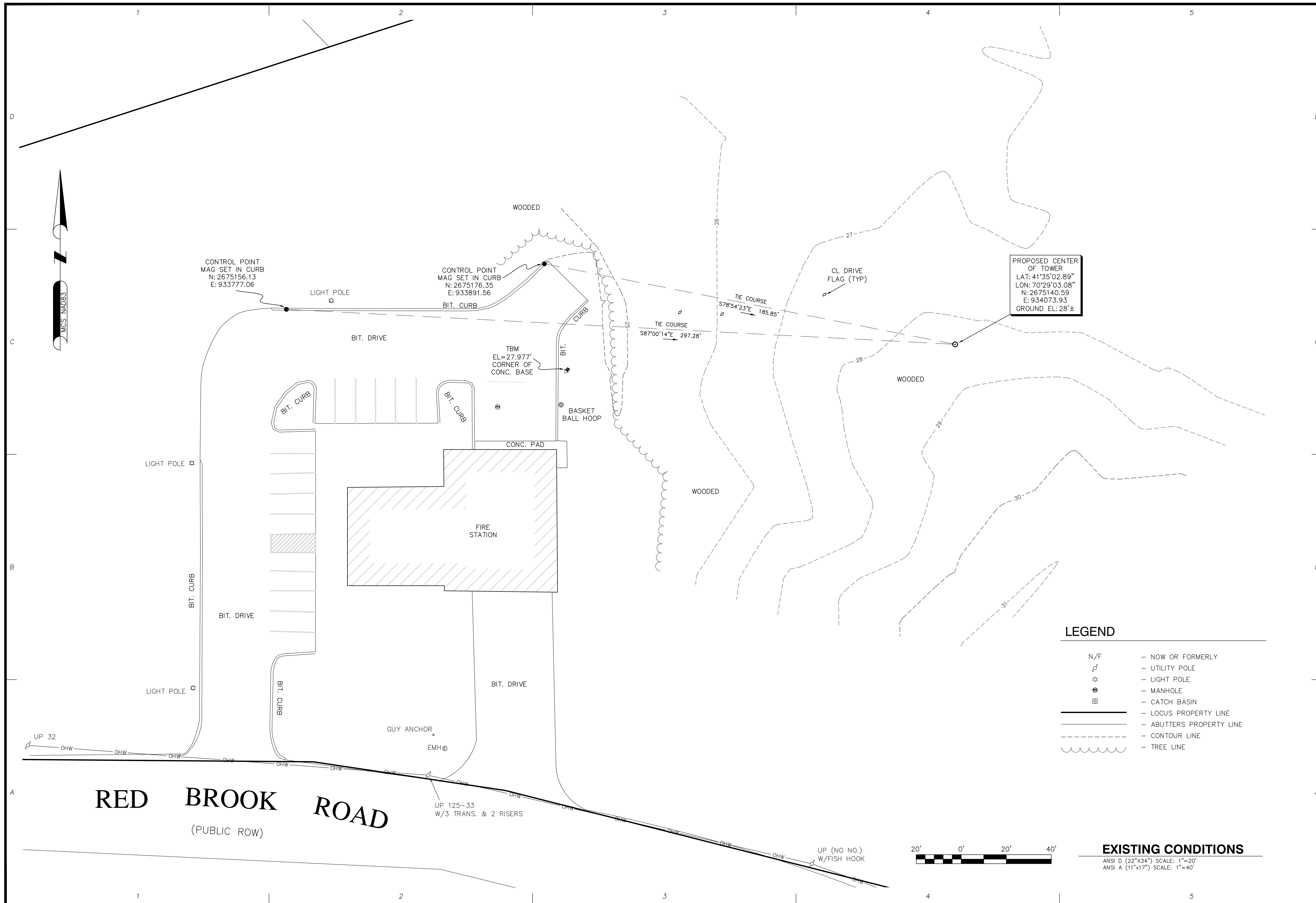
TITLE: SITE NAME: MASHPEE FIRE STATION #2
SITE NUMBER: MA-5112
ADDRESS: 101 RED BROOK ROAD
MASHPEE, MA 02649

APPLICANT:
BLUE SKY TOWERS, LLC
352 PARK STREET
SUITE 106
NORTH READING, MA 01864

STAMP:

DATE: 09/27/17
 DRAWN: BLM/STJ
 CHECK: JMM/TEJ
 SCALE: SEE PLAN
 JOB NO.: 17-063

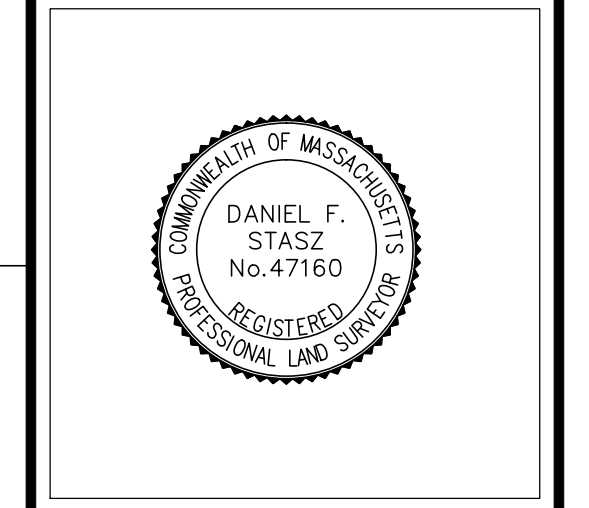
SHEET TITLE:
TITLE SHEET
T-1



NO.	DATE	REVISIONS
0	10/03/17	ISSUED FOR REVIEW

TITLE: SITE NAME: MASHPEE FIRESTATION #2
SITE NUMBER: MA-5112
ADDRESS: 101 RED BROOK ROAD
MASHPEE, MA 02649

APPLICANT: BLUE SKY TOWERS, LLC
352 PARK STREET
SUITE 106
NORTH READING, MA 01864

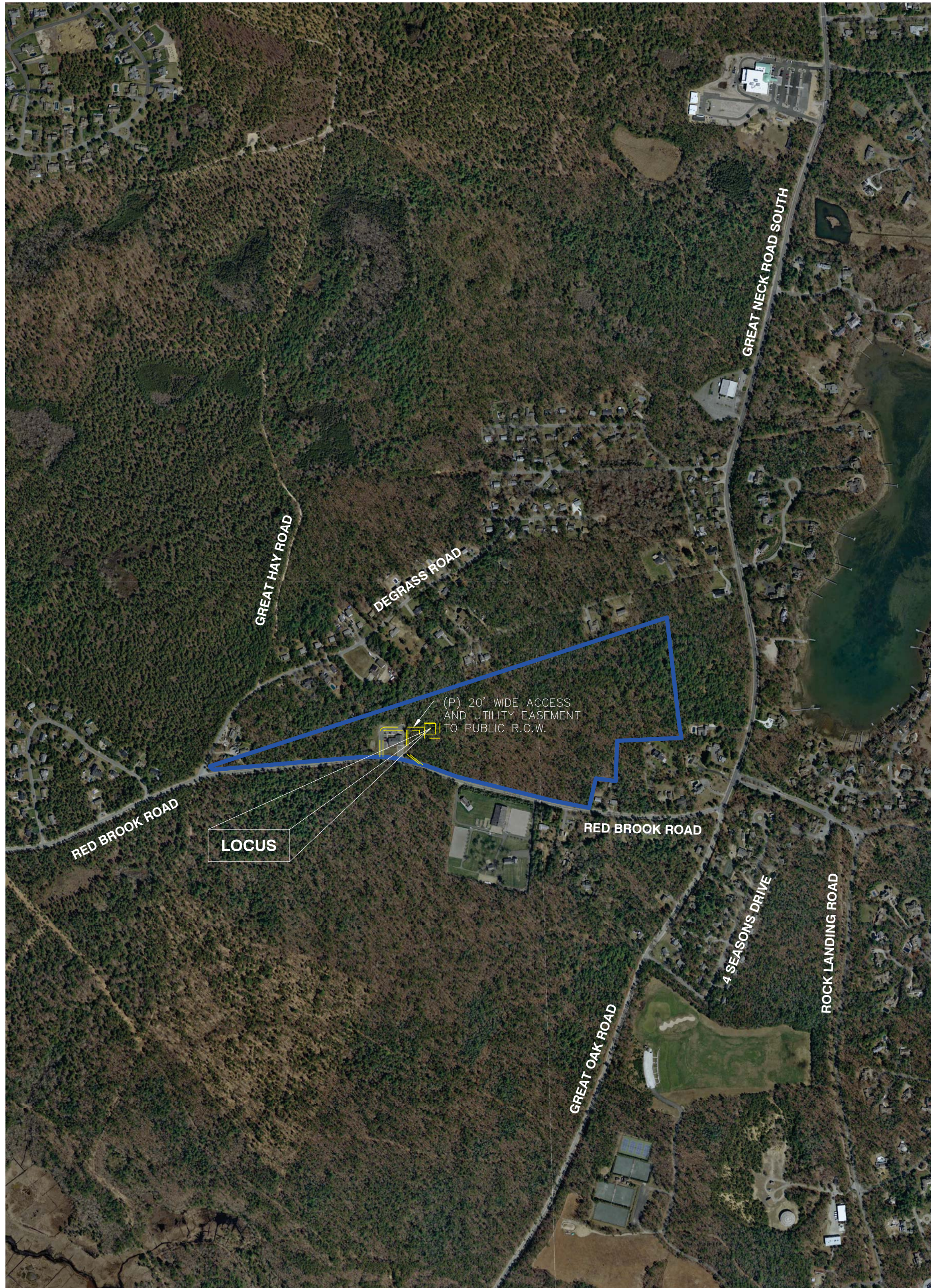


DATE: 10/03/2017
DRAWN: CRC
CHECK: BCF
SCALE: 1"=20"
JOB NO.: 17-206

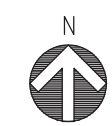
SHEET TITLE:
EXISTING
CONDITIONS
C-2

- LEGEND**
- N/F - NOW OR FORMERLY
 - ☉ - UTILITY POLE
 - ☼ - LIGHT POLE
 - ⊙ - MANHOLE
 - ⊞ - CATCH BASIN
 - - LOCUS PROPERTY LINE
 - - ABUTTERS PROPERTY LINE
 - - - - - CONTOUR LINE
 - ~~~~~ - TREE LINE

EXISTING CONDITIONS
ANSI D (22"x34") SCALE: 1"=20'
ANSI A (11"x17") SCALE: 1"=40'

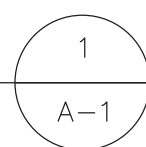


REF: "USGS COLOR ORTHO IMAGERY (2013/2014)" DATALAYER DATED APRIL 2013/2014 PREPARED BY OFFICE OF GEOGRAPHIC INFORMATION (MASSGIS), COMMONWEALTH OF MASSACHUSETTS, INFORMATION TECHNOLOGY DIVISION

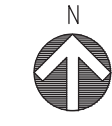


AERIAL PHOTO

SCALE: 1"=500' (22x34)
1"=1000' (11x17)

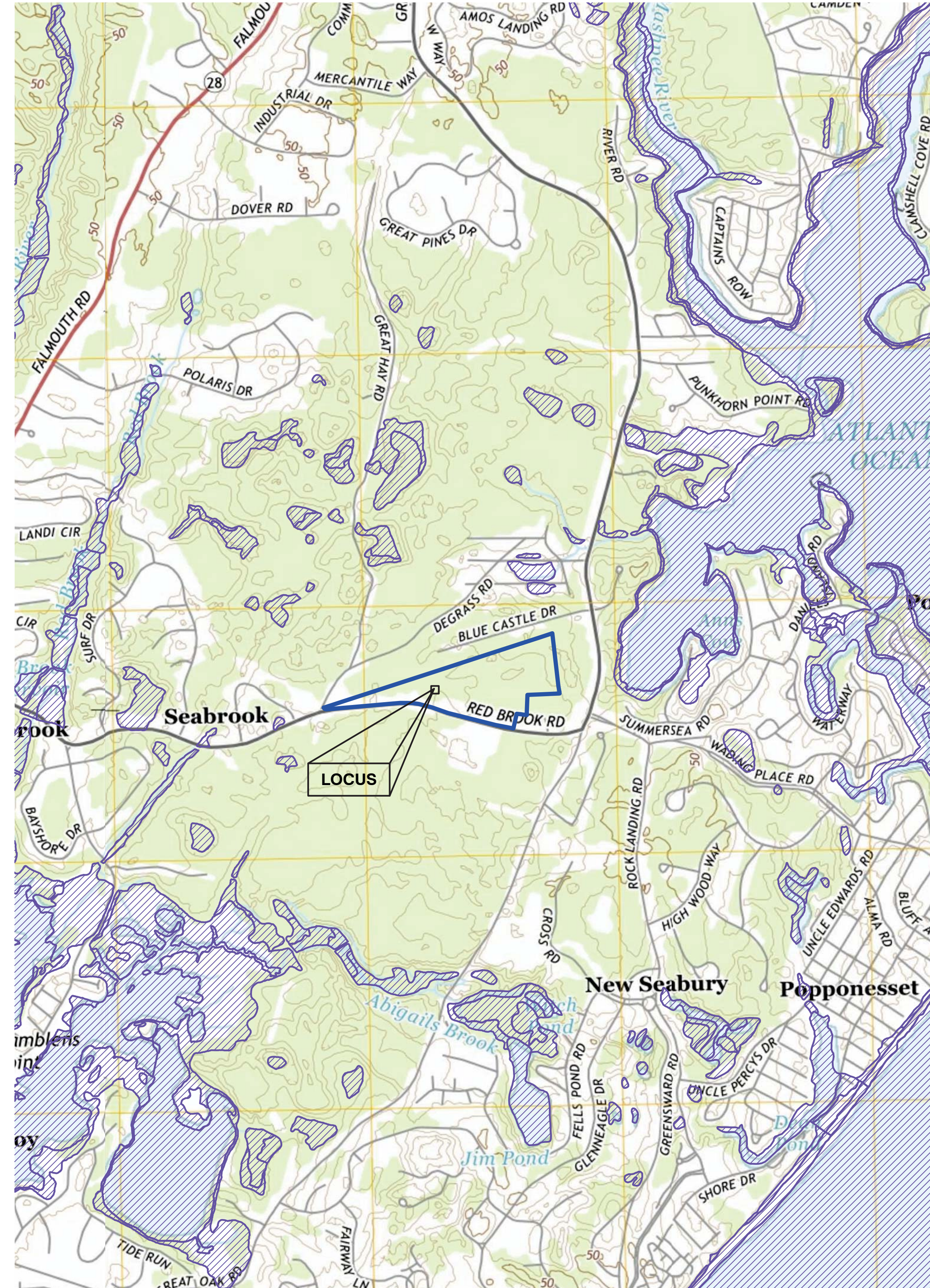
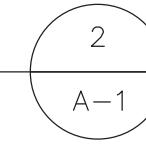


DEP WETLANDS - DATALAYER PREPARED BY OFFICE OF GEOGRAPHIC INFORMATION (MASSGIS), COMMONWEALTH OF MASSACHUSETTS, MASSIT (2009)



USGS MAP

SCALE: 1"=1000' (22x34)
1"=2000' (11x17)



REF: COTUIT, MA & FALMOUTH, MA QUADRANGLES, PREPARED BY UNITED STATES DEPARTMENT OF THE INTERIOR, U.S. GEOLOGICAL SURVEY, DATED 2015

ProTerra
DESIGN GROUP, LLC

4 Bay Road
Building A, Suite 200
Hodley, MA 01035
Ph: (413)320-4918

CONSULTANTS:

NO.	DATE	REVISIONS
A	09/27/17	ISSUED FOR REVIEW
B	10/18/17	CCC PRELIM. REVIEW

TITLE: **SITE NAME: MASHPEE FIRE STATION #2**
SITE NUMBER: MA-5112
ADDRESS: 101 RED BROOK ROAD
MASHPEE, MA 02649

APPLICANT:
BLUE SKY TOWERS, LLC
362 PARK STREET
SUITE 106
TOWERS, LLC NORTH READING, MA 01864

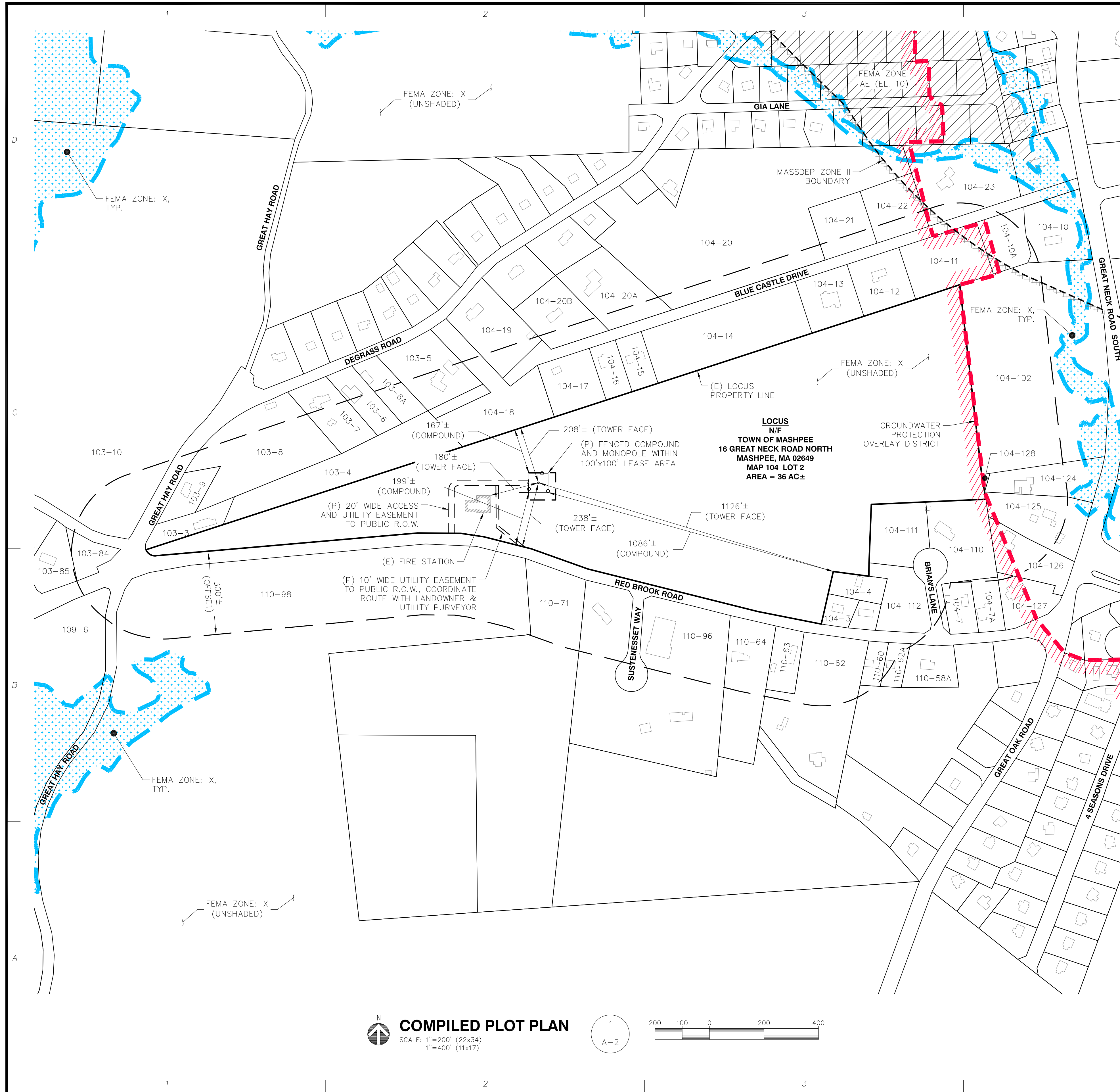
STAMP:

DATE: 09/27/17
DRAWN: BLM/STZ
CHECK: JMM/TEJ
SCALE: SEE PLAN
JOB NO.: 17-063

SHEET TITLE:

AERIAL & USGS MAPS

A-1



REFERENCES

PROPERTY LINE, TOPOGRAPHY AND EXISTING FEATURES – SEE SHEETS C-1 & C-2

ZONING DISTRICTS – MAP ENTITLED "ZONING MAP TOWN OF MASHPEE, MA" PREPARED BY THE MASHPEE GIS DEPARTMENT, ZONING AS APPROVED BY TOWN MEETING ON MAY 4, 2015.

THE FOLLOWING DATALAYERS PREPARED BY OFFICE OF GEOGRAPHIC INFORMATION (MASSGIS), COMMONWEALTH OF MASSACHUSETTS, MASSIT

- BUILDING STRUCTURES (2-D, FROM ORTHO IMAGERY) (JUNE 2017)
- MASSDEP WELLHEAD PROTECTION AREAS (ZONE II, ZONE I, IWPA) (JUNE 2017)
- FEMA NATIONAL FLOOD HAZARD LAYER

CONFIRMED WITH FLOOD INSURANCE RATE MAP 25001C0753J EFFECTIVE JULY 16, 2014 PREPARED BY FEDERAL EMERGENCY MANAGEMENT AGENCY, US DEPARTMENT OF HOMELAND SECURITY. PROJECT AREA IS WITHIN ZONE X: "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN."

GENERAL NOTES

1. THE TYPE, DIMENSIONS, MOUNTING HARDWARE, AND POSITIONS OF ALL PROJECT OWNER'S EQUIPMENT ARE SHOWN IN ILLUSTRATIVE FASHION. ACTUAL HARDWARE DETAILS AND FINAL LOCATIONS MAY DIFFER SLIGHTLY FROM WHAT IS SHOWN.
2. THE PROJECT OWNER'S PCS FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
3. THE DESIGN OF THE TOWER, FOUNDATION AND ANTENNA MOUNTING HARDWARE WILL MEET THE ANSI/EIA/TIA-222-G STANDARDS FOR STRUCTURAL STEEL ANTENNA SUPPORTING STRUCTURES AND STATE BUILDING CODE REQUIREMENTS. DETAILED CONSTRUCTION DRAWINGS AND STRUCTURAL CALCULATIONS WILL BE PREPARED BY A REGISTERED PROFESSIONAL ENGINEER AND SUBMITTED WITH A BUILDING PERMIT APPLICATION FOR REVIEW AND APPROVAL BY THE LOCAL BUILDING CODE ENFORCEMENT OFFICIAL.
4. ONCE THE FACILITY BECOMES FULLY OPERATIONAL, NORMAL AND ROUTINE MAINTENANCE BY TOWER OWNER'S AND CARRIER'S TECHNICIANS WILL BE PERFORMED. THE ESTIMATED VEHICULAR TRAFFIC GENERATED BY THESE VISITS IS PREDICTED TO BE LESS THAN THE TYPICAL TRAFFIC GENERATED BY A SINGLE-FAMILY DWELLING.

ZONING SUMMARY

ZONING DISTRICT(S): RESIDENTIAL DISTRICT (R-3)
 OVERLAY DISTRICT(S): WIRELESS FACILITY OVERLAY DISTRICT
 GROUNDWATER PROTECTION OVERLAY DISTRICT
 ASSESSORS ID: MAP 104 LOT 2
 (P) USE: PERSONAL WIRELESS SERVICE FACILITY¹

DIMENSION	PROVIDED	CONSTRAINT
PARCEL - AREA	36 AC±	40,000 SF MIN
PARCEL - FRONTAGE	2,500'±	150' MIN.
PARCEL - LOT COVERAGE	2%±	20% MAX.
(P) COMPOUND - FRONT YARD	199'±	40' MIN.
(P) COMPOUND - SIDE YARD	1086'±	15' MIN.
(P) COMPOUND - REAR YARD	167'±	15' MIN.
(P) COMPOUND - ACCESSORY STRUCTURE HEIGHT	14'±	35' MAX.
(P) MONOPOLE - HEIGHT (HIGHEST APPURTENANCE)	150' (156') ²	100'
(P) MONOPOLE - DISTANCE TO PROPERTY LINE	208'±	156' MIN. (100% HEIGHT)

- 1 - ALLOWED USE BY "SPECIAL PERMIT" PER ZONING BYLAWS OF THE TOWN OF MASHPEE 2016, §174-25: TABLE OF USE REGULATIONS
- 2 - ZONING BYLAWS OF THE TOWN OF MASHPEE 2016, §174-45.3.E.6: "WITHIN THE WIRELESS FACILITY OVERLAY DISTRICT...PERSON WIRELESS FACILITIES OF UP TO ONE HUNDRED (100') FEET IN HEIGHT MAY BE PERMITTED BY SPECIAL PERMIT, EXCEPT THAT THE PLANNING BOARD MAY GRANT A WAIVER TO ALLOW A HEIGHT OF UP TO TWO HUNDRED (200') FEET WHERE CIRCUMSTANCES WARRANT..."

CONSULTANTS:

NO.	DATE	REVISIONS
A	09/27/17	ISSUED FOR REVIEW
B	10/18/17	CCC PRELIM. REVIEW

TITLE: SITE NAME: MASHPEE FIRE STATION #2
 SITE NUMBER: MA-5112
 ADDRESS: 101 RED BROOK ROAD
 MASHPEE, MA 02649

APPLICANT:
BLUE SKY TOWERS, LLC
 362 PARK STREET
 SUITE 106
 NORTH READING, MA 01864

STAMP:

DATE: 09/27/17
 DRAWN: BLM/STZ
 CHECK: JMM/TEJ
 SCALE: SEE PLAN
 JOB NO.: 17-063

SHEET TITLE:
COMPILED PLOT PLAN
A-2

DISTURBANCE SUMMARY

ITEM	AREA (SF)
TREE CLEARING	19,700
(P) GRAVEL SURFACES (DRIVEWAY & COMPOUND)	7,040
(P) ASPHALT SURFACES (DRIVEWAY APRON)	180
(P) LOAM & SEED	13,190
TOTAL EARTH DISTURBANCE	20,410

CONSULTANTS:

NO.	DATE	REVISIONS
A	09/27/17	ISSUED FOR REVIEW
B	10/18/17	CCC PRELIM. REVIEW

TITLE: **SITE NAME: MASHPEE FIRE STATION #2**
SITE NUMBER: MA-5112
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APPLICANT:
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SUITE 106
TOWERS, LLC NORTH READING, MA 01864

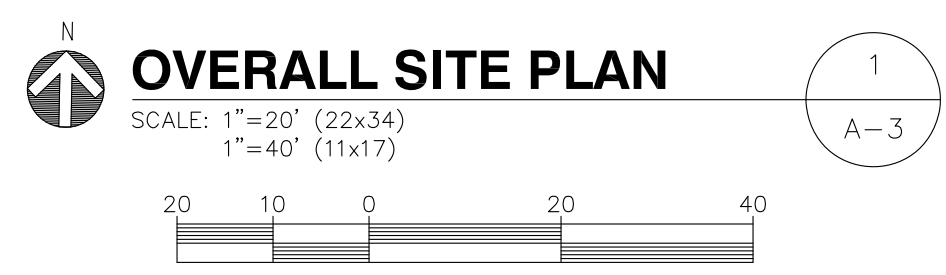
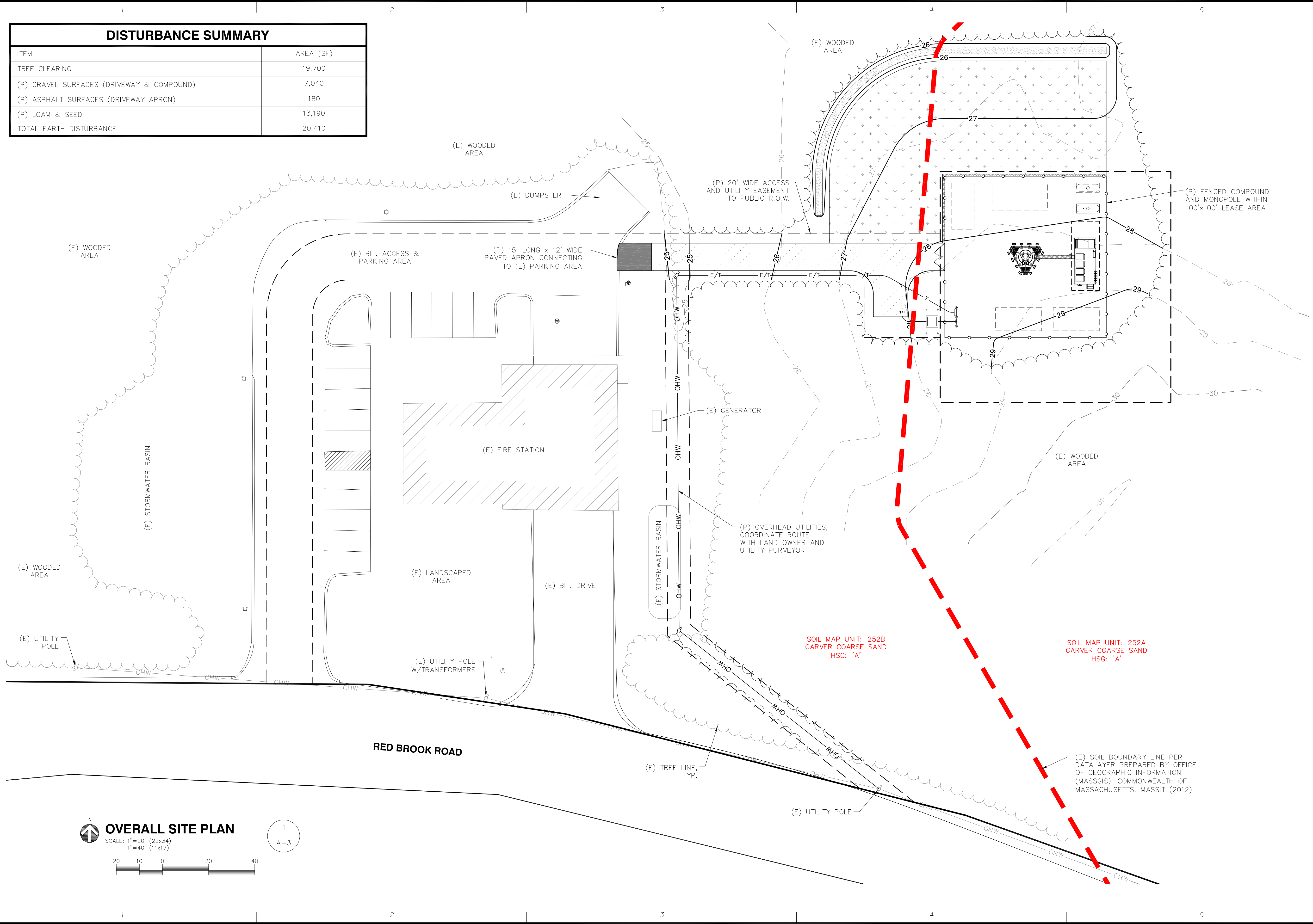
STAMP:

DATE: 09/27/17
DRAWN: BLM/STZ
CHECK: JMM/TEJ
SCALE: SEE PLAN
JOB NO.: 17-063

SHEET TITLE:

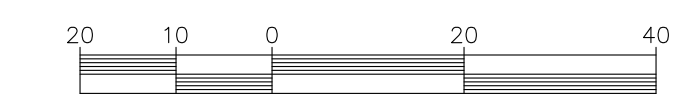
OVERALL
SITE PLAN

A-3



OVERALL SITE PLAN

SCALE: 1"=20' (22x34)
1"=40' (11x17)



CONSULTANTS:

NO.	DATE	REVISIONS
A	09/27/17	ISSUED FOR REVIEW
B	11/01/17	CCC PRELIM. REVIEW

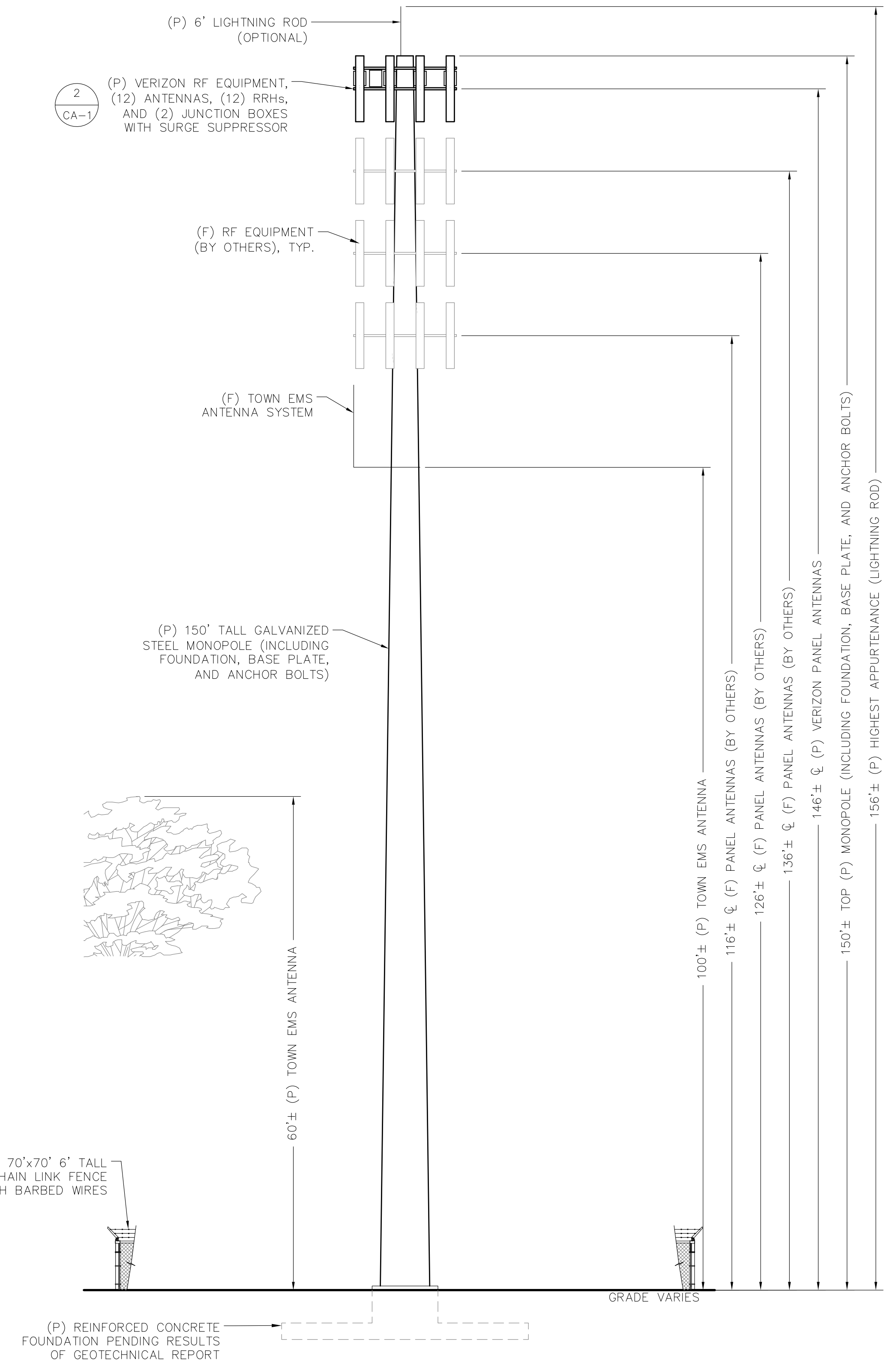
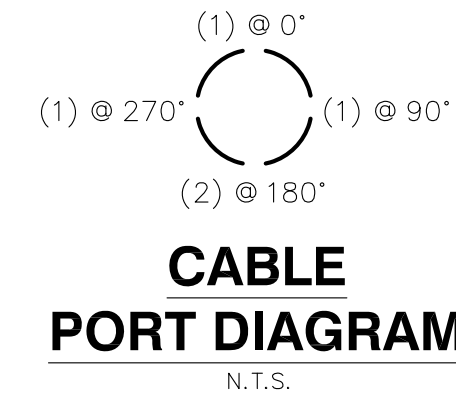
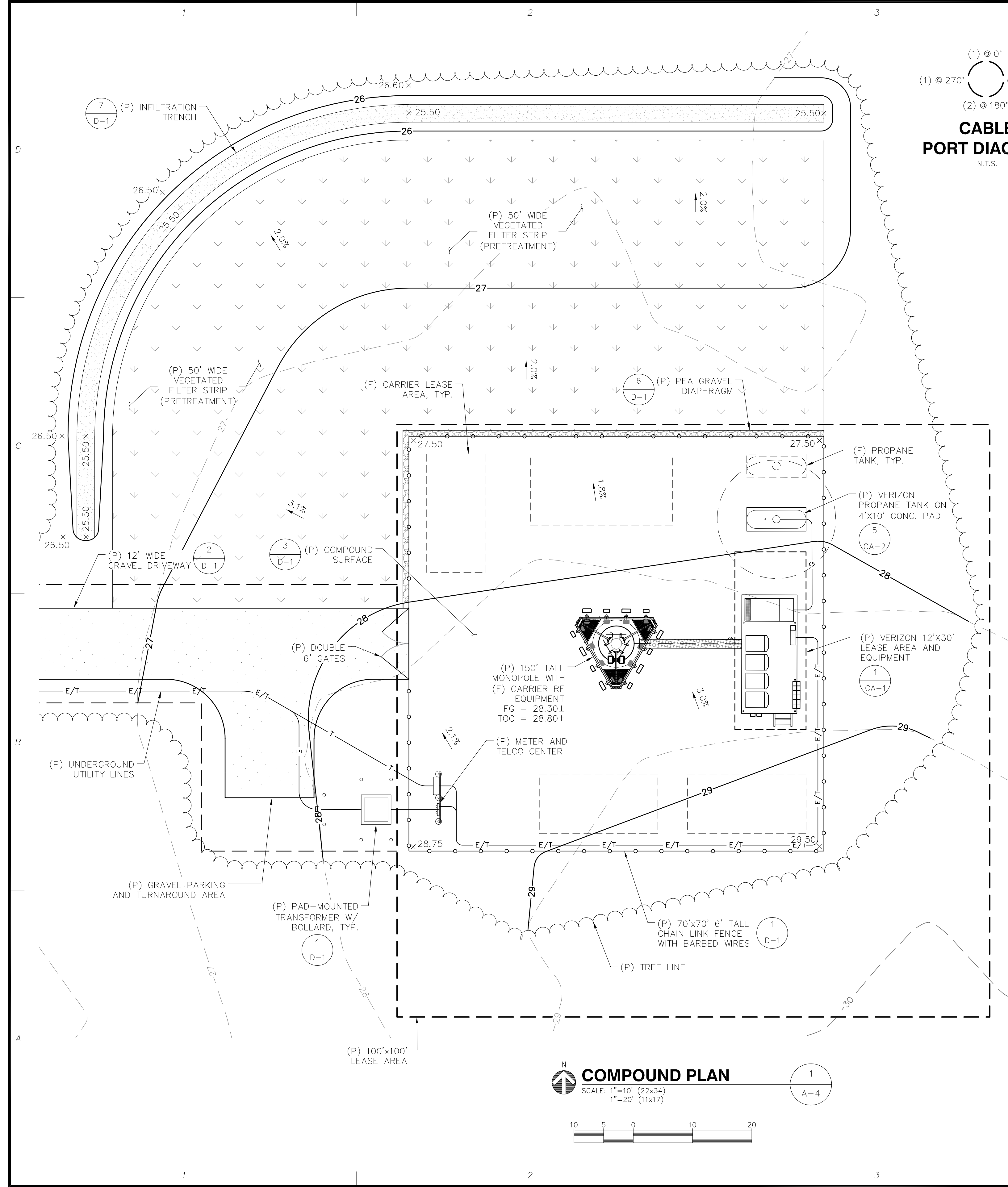
TITLE: **SITE NAME: MASHPEE FIRE STATION #2**
SITE NUMBER: MA-5112
ADDRESS: 101 RED BROOK ROAD
MASHPEE, MA 02649

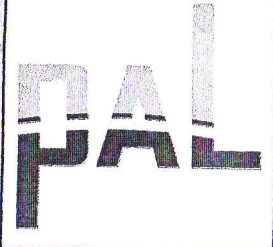
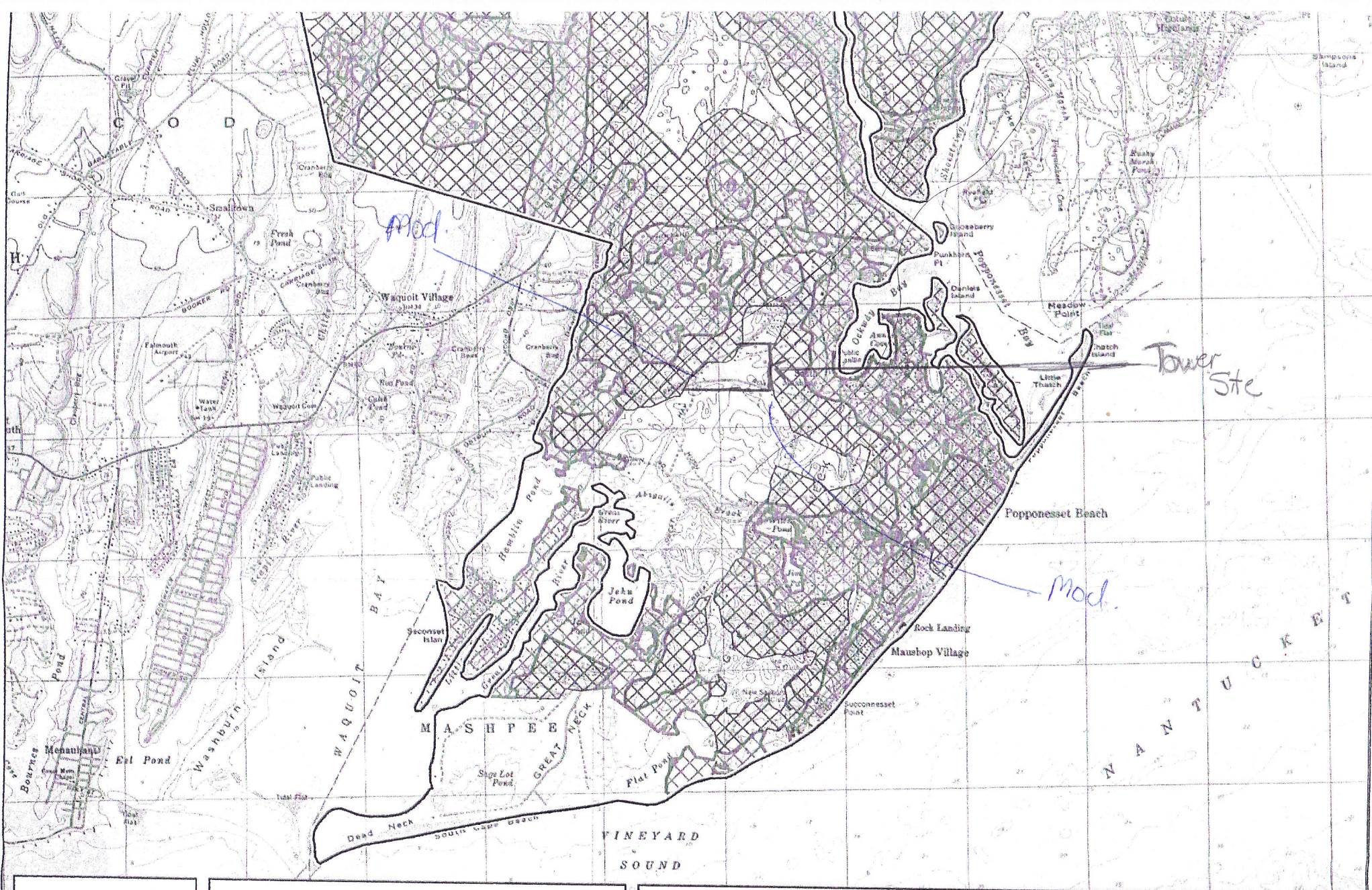
APPLICANT:
BLUE SKY TOWERS, LLC
362 PARK STREET
SUITE 106
NORTH READING, MA 01864

STAMP:

DATE: 09/27/17
DRAWN: BLM/STZ
CHECK: JMM/TEJ
SCALE: SEE PLAN
JOB NO.: 17-063

SHEET TITLE:
COMPOUND PLAN & ELEVATION






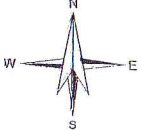


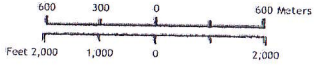
Revisions / Modifications / Data Source	
PAL revised: Archaeological sensitivity revised	12-20-2011
PAL modified: Archaeological sensitivity added	3-22-2011
Base imagery source: National Geographic Society, i-cubed (ArcGIS Online)	3-8-2011
Base imagery: Seamless, scanned images of USGS paper topographic maps	Various

The base information contained in this map was supplied to PAL as a professional courtesy for informational and illustrative purposes only. PAL makes no warranties, either expressed or implied, regarding the fitness or suitability of this map for any other purpose than to depict the location and/or results of cultural resource investigations conducted by PAL.

KEY: *PreContact*

-  Municipal Boundary
- Pre-contact Archaeological Sensitivity:*
-  High Sensitivity
-  Moderate Sensitivity







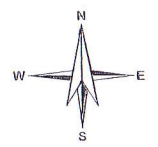


Revisions / Modifications / Data Source	
PAL revised:	
PAL modified: Archaeological sensitivity added	3-22-2011
Base imagery source: National Geographic Society, I-cubed (ArcGIS Online)	3-8-2011

KEY:

-  Municipal Boundary
-  Post-contact Archaeology Sensitivity:

Postcontact



PHOTOGRAPHIC DOCUMENTATION

DATE: July 28, 2017



Photograph 1: View of tower location looking north.



Photograph 2: View looking north from the proposed tower location.

PHOTOGRAPHIC DOCUMENTATION

DATE: July 28, 2017



Photograph 3: View of proposed tower location looking east.



Photograph 4: View looking east from proposed tower location.

PHOTOGRAPHIC DOCUMENTATION

DATE: July 28, 2017



Photograph 5: View of the proposed tower location looking west.



Photograph 6: View looking west from proposed tower location.

PHOTOGRAPHIC DOCUMENTATION

DATE: July 28, 2017



Photograph 7: View of proposed tower location looking south.



Photograph 8: View looking south from proposed tower location.

RARE SPECIES CORRESPONDENCE



United States Department of the Interior



FISH AND WILDLIFE SERVICE

New England Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5087
<http://www.fws.gov/newengland>

January 8, 2018

To Whom It May Concern:

The U.S. Fish and Wildlife Service's (Service) New England Field Office has determined that individual project review for certain types of activities associated with communication towers **is not required**. These comments are submitted in accordance with provisions of the Endangered Species Act (ESA) of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*).

Due to the rapid expansion of the telecommunication industry, we are receiving a growing number of requests for review of **existing** and **new** telecommunication facilities in relation to the presence of federally-listed or proposed, threatened or endangered species, critical habitat, wilderness areas and/or wildlife preserves. We have evaluated our review process for proposed communications towers and believe that individual correspondence with this office is not required for the following types of actions relative to **existing** facilities:

1. the re-licensing of existing telecommunication facilities;
2. audits of existing facilities associated with acquisition;
3. routine maintenance of existing tower sites, such as painting, antenna or panel replacement, upgrading of existing equipment, etc.;
4. co-location of new antenna facilities on/in existing structures;
5. repair or replacement of existing towers and/or equipment, provided such activities do not significantly increase the existing tower mass and height, or require the addition of guy wires.

In order to obviate the need to contact this office in the future for individual environmental review for **existing** communication towers or antenna facilities, please note that we are not aware of any federally-listed, threatened or endangered species that are being adversely affected by any existing communication tower or antenna facility in the following states: Vermont, New Hampshire, Rhode Island, Connecticut and Massachusetts. Furthermore, we are not aware of any **existing** telecommunication towers in federally-designated critical habitats, wilderness areas or wildlife preserves. Therefore, no further consultation with this office relative to the impact of the above referenced activities on federally-listed species is required.

Future Coordination with this Office Relative to **New** Telecommunication Facilities

We have determined that proposed projects are not likely to adversely affect any federally listed or proposed species when the following steps are taken to evaluate new telecommunication facilities:

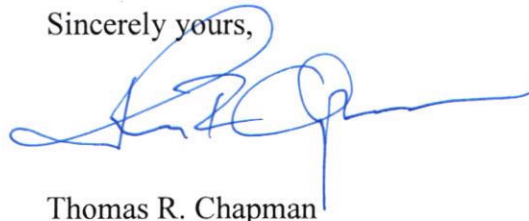
1. If the facility will be installed within or on an existing structure, such as in a church steeple or on the roof of an existing building, no further coordination with this office is necessary. Similarly, new antennas or towers in urban and other developed areas, in which no natural vegetation will be affected, do not require further review.
2. If the above criteria cannot be met, your review of our lists of threatened and endangered species locations within Vermont, New Hampshire, Rhode Island, Connecticut and Massachusetts may confirm that no federally-listed endangered or threatened species are known to occur in the town or county where the project is proposed.
3. If a listed species is present in the town or county where the project is proposed, further review of our lists of threatened and endangered species may allow you to conclude that suitable habitat for the species will not be affected. Based on past experiences, we anticipate that there will be few, if any, projects that are likely to impact piping plovers, roseate terns, bog turtles, Jesup's milk-vetch or other such species that are found on coastal beaches, riverine habitats or in wetlands because communication towers typically are not located in these habitats.

For projects that meet the above criteria, there is no need to contact this office for further project review. A copy of this letter should be retained in your file as the Service's determination that no listed species are present, or that listed species in the general area will not be affected. Due to the high workload associated with responding to many individual requests for threatened and endangered species information, we will no longer be providing response letters for activities that meet the above criteria. This correspondence and the species lists remain valid until January 1, 2019. Updated consultation letters and species lists are available on our website:

<http://www.fws.gov/newengland/EndangeredSpec-Consultation.htm> (accessed January 2018)

Thank you for your cooperation, and please contact David Simmons of this office at 603-227-6425 if you need further assistance.

Sincerely yours,



Thomas R. Chapman
Supervisor
New England Field Office



500A Washington Street, Quincy, MA 02169

October 26, 2017

U.S. Fish and Wildlife Service, New England Field Office
Attn: Susi von Oettingen
70 Commercial Street, Suite 300
Concord, NH 03301-5087

Re: Consultation – Proposed Telecommunications Facility
TCNS Notification ID# 162632
Site Name: Mashpee Fire Station #2; Site #: MA-5112
101 Red Brook Road, Mashpee, MA 02649

Dear Ms. von Oettingen,

Blue Sky Towers, LLC proposes to construct a wireless facility at 101 Red Brook Road in Mashpee, Massachusetts. In accordance with the Federal Communication Commission (FCC) National Environmental Policy Act (NEPA) Compliance Checklist, it is necessary to identify whether the proposed facility will affect any federally-listed or proposed, threatened, or endangered species or designated critical habitats.

Lucas Environmental, LLC reviewed the U.S. Fish & Wildlife Service (USFWS) website (<http://www.fws.gov/endangered/>; <http://www.fws.gov/newengland/EndangeredSpec-Consultation.htm>) to identify potential threatened or endangered species within Barnstable County, Massachusetts. Based upon this review, four species were identified within Barnstable County, three of which include the piping plover (*Charadrius melodus*), roseate tern (*Sterna dougallii*), and red knot (*Calidris canutus*); however, these species are found along the coast and ocean areas, which are not present on or near the site. The northern long-eared eat (*Myotis septentrionalis*) was also identified within Barnstable County. As such, the Northern Long-Eared Bat 4(d) Rule Streamlined Consultation Form has been prepared and is attached.

The Applicant understands that if the USFWS does not respond within 30 days from submittal of this form, we may presume that this determination is informed by the best available information and that its project responsibilities under 7(a)(2) with respect to the NLEB are fulfilled through the USFWS January 5, 2016, Programmatic BO. To submit comments, please contact me at Lucas Environmental, LLC, 500A Washington Street, Quincy, MA 02169 or via telephone at 617.405.4140 and reference the Site #. Please do not hesitate to contact me if you have any questions or concerns about the proposed project. Thank you for your consideration and assistance during this review.

Sincerely,

LUCAS ENVIRONMENTAL, LLC

Christopher M. Lucas, Principal & Manager, PWS
Environmental Consultant/Soil Scientist

T: 617.405.4140; F: 617.405.4465; E-mail: cml@lucasenvironmental.net

Enclosures: Northern Long-Eared Bat 4(d) Rule Streamlined Consultation Form
Figure 1 – USGS Map
Figure 3 – NHESP
MA NHESP Northern Long-Eared Bat Location Map
Project Plans – select pages

cc: Blue Sky Towers, LLC – Sean Gormley; ProTerra Design Group, LLC – Tom Johnson (electronic copies)



PROJECT SUMMARY FORM

Site ID: Mashpee Fire Station #2 MA-5112	Site Address: 101 Red Brook Road Mashpee, MA 02649	Site Type (choose one): <input checked="" type="checkbox"/> Raw Land <input type="checkbox"/> Tower Colocation <input type="checkbox"/> Other Colocation <input type="checkbox"/> Tower Replacement
---	---	--

Site Location

Latitude: 41° 35' 2.89" N
Longitude: 70° 29' 3.08" W

Existing Conditions

The proposed telecommunications facility is sited on a portion of a parcel located at 101 Red Brook Road in Mashpee, Massachusetts (Map 104, Lot 2). The property is an approximate 37-acre parcel which contains the Mashpee Fire Station (#2), parking lot, stormwater structures, and undeveloped woodlands. The woodlands can be characterized as a mixed oak-white pine forest. The site is bound to the west, north, and east by forested uplands, and to the south by Red Brook Road. No wetland resource areas are located in the vicinity of the project work areas.

Project Description

The proposed telecommunications facility will be located within a wooded area east of the existing fire station. The lease area for the facility is approximately 100-foot by 100-foot, and will contain a 150-foot tall monopole with an optional six-foot lightning rod for a total height of 156 feet. Associated telecommunications equipment will be located outside at the base of the structure within the fenced compound surrounded by a six-foot tall chain link fence with barbed wires, while a pad-mounted transformer will be located just outside the compound. The facility will be accessed via a 12-foot wide gravel driveway along a 20-foot wide access and utility easement, which will extend from the existing access road behind the fire station.

Ground Disturbance

Ground disturbance and tree clearing will be required for the planned telecommunications tower, associated equipment, fencing, and utilities.

Northern Long-Eared Bat 4(d) Rule Streamlined Consultation Form

Federal agencies should use this form for the optional streamlined consultation framework for the northern long-eared bat (NLEB). This framework allows federal agencies to rely upon the U.S. Fish and Wildlife Service’s (USFWS) January 5, 2016, intra-Service Programmatic Biological Opinion (BO) on the final 4(d) rule for the NLEB for section 7(a)(2) compliance by: (1) notifying the USFWS that an action agency will use the streamlined framework; (2) describing the project with sufficient detail to support the required determination; and (3) enabling the USFWS to track effects and determine if reinitiation of consultation is required per 50 CFR 402.16.

This form is not necessary if an agency determines that a proposed action will have no effect to the NLEB or if the USFWS has concurred in writing with an agency's determination that a proposed action may affect, but is not likely to adversely affect the NLEB (i.e., the standard informal consultation process). Actions that may cause prohibited incidental take require separate formal consultation. Providing this information does not address section 7(a)(2) compliance for any other listed species.

Information to Determine 4(d) Rule Compliance:

YES NO

Information to Determine 4(d) Rule Compliance:	YES	NO
1. Does the project occur wholly outside of the WNS Zone ¹ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Have you contacted the appropriate agency ² to determine if your project is near known hibernacula or maternity roost trees?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Could the project disturb hibernating NLEBs in a known hibernaculum?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Could the project alter the entrance or interior environment of a known hibernaculum?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Does the project remove any trees within 0.25 miles of a known hibernaculum at any time of year?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Would the project cut or destroy known occupied maternity roost trees, or any other trees within a 150-foot radius from the maternity roost tree from June 1 through July 31.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

You are eligible to use this form if you have answered yes to question #1 **or** yes to question #2 **and** no to questions 3, 4, 5 and 6. The remainder of the form will be used by the USFWS to track our assumptions in the BO.

Agency and Applicant³ (Name, Email, Phone No.):

FCC – NEPA Compliance

Blue Sky Towers, LLC c/o Sean Gormley, seang@blueskytower.com, 508.530.3580

Representative: Lucas Environmental, LLC c/o Christopher Lucas, cml@lucasenvironmental.net, 617.405.4140

Project Name: Mashpee Fire Station #2; Site # MA-5112

Project Location (include coordinates if known): 101 Red Brook Road, Mashpee, MA 02649

Lat: 41° 35’ 2.89” N; Long: 70° 29’ 3.08” W

Basic Project Description (provide narrative below or attach additional information):

See Attached Project Summary Form

¹ <http://www.fws.gov/midwest/endangered/mammals/nleb/pdf/WNSZone.pdf>

² See <http://www.fws.gov/midwest/endangered/mammals/nleb/nhisites.html>

³ If applicable - only needed for federal actions with applicants (e.g., for a permit, etc.) who are party to the consultation.

General Project Information	YES	NO
Does the project occur within 0.25 miles of a known hibernaculum?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does the project occur within 150 feet of a known maternity roost tree?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does the project include forest conversion ⁴ ? (if yes, report acreage below)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Estimated total acres of forest conversion	0.45	
If known, estimated acres ⁵ of forest conversion from April 1 to October 31		
If known, estimated acres of forest conversion from June 1 to July 31 ⁶		
Does the project include timber harvest? (if yes, report acreage below)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Estimated total acres of timber harvest		
If known, estimated acres of timber harvest from April 1 to October 31		
If known, estimated acres of timber harvest from June 1 to July 31		
Does the project include prescribed fire? (if yes, report acreage below)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Estimated total acres of prescribed fire		
If known, estimated acres of prescribed fire from April 1 to October 31		
If known, estimated acres of prescribed fire from June 1 to July 31		
Does the project install new wind turbines? (if yes, report capacity in MW below)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Estimated wind capacity (MW)		

Agency Determination:

By signing this form, the action agency determines that this project may affect the NLEB, but that any resulting incidental take of the NLEB is not prohibited by the final 4(d) rule.

If the USFWS does not respond within 30 days from submittal of this form, the action agency may presume that its determination is informed by the best available information and that its project responsibilities under 7(a)(2) with respect to the NLEB are fulfilled through the USFWS January 5, 2016, Programmatic BO. The action agency will update this determination annually for multi-year activities.

The action agency understands that the USFWS presumes that all activities are implemented as described herein. The action agency will promptly report any departures from the described activities to the appropriate USFWS Field Office. The action agency will provide the appropriate USFWS Field Office with the results of any surveys conducted for the NLEB. Involved parties will promptly notify the appropriate USFWS Field Office upon finding a dead, injured, or sick NLEB.

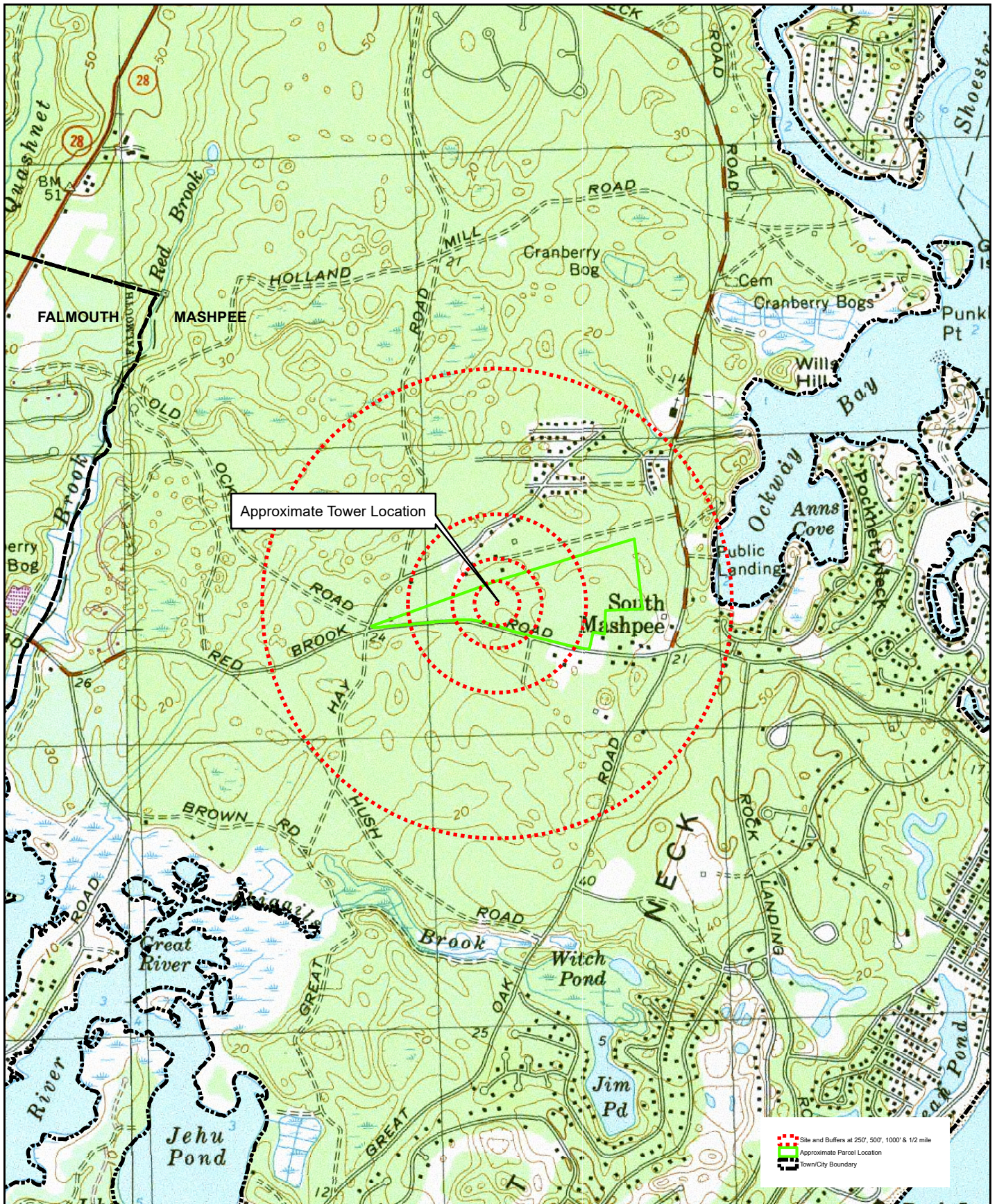
Signature: Christopher M. Lucas

Date Submitted: October 26, 2017

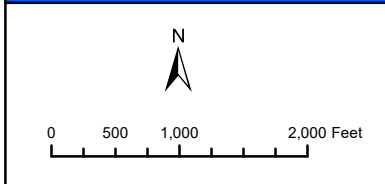
⁴ Any activity that temporarily or permanently removes suitable forested habitat, including, but not limited to, tree removal from development, energy production and transmission, mining, agriculture, etc. (see page 48 of the BO).

⁵ If the project removes less than 10 trees and the acreage is unknown, report the acreage as less than 0.1 acre.

⁶ If the activity includes tree clearing in June and July, also include those acreage in April to October.



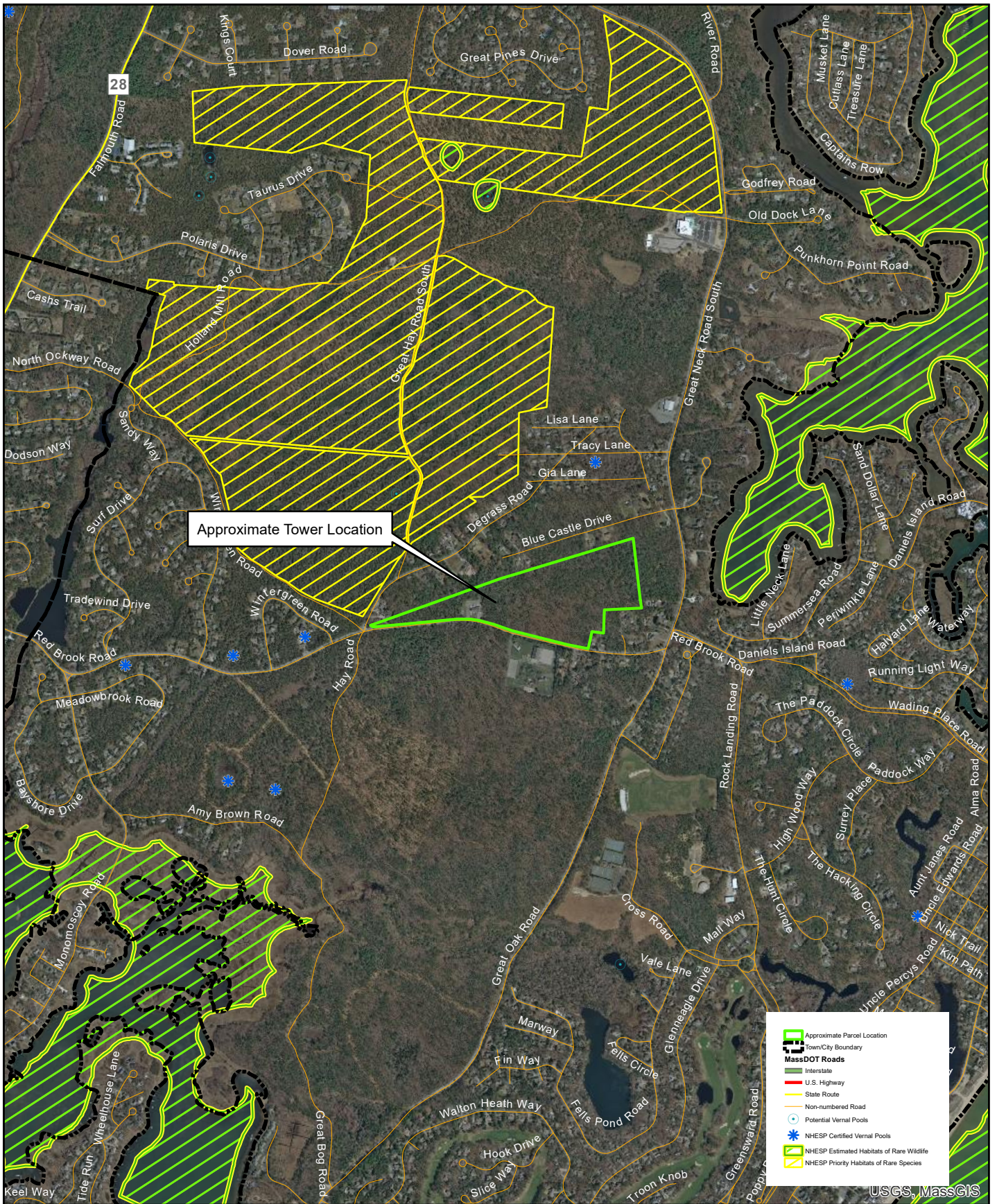
Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Environmental Affairs; USGS Color Ortho Imagery - 30cm (2013/2014)



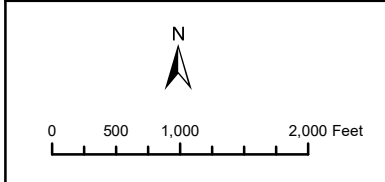
USGS Map
 Telecommunications Facility
 101 Red Brook Road
 Mashpee, MA

FIGURE 1

LUCAS
 ENVIRONMENTAL, LLC



Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Environmental Affairs; USGS Color Ortho Imagery - 30cm (2013/2014)



NHESP Map
Telecommunications Facility
101 Red Brook Road
Mashpee, MA

FIGURE 3

LUCAS
 ENVIRONMENTAL, LLC

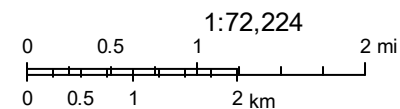
Mashpee, MA



October 27, 2017

World Boundaries and Places

USGS_Orthos_2013_2014



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,



SITE NAME: MASHPEE FIRE STATION #2
SITE NUMBER: MA-5112
ADDRESS: 101 RED BROOK ROAD
MASHPEE, MA 02649

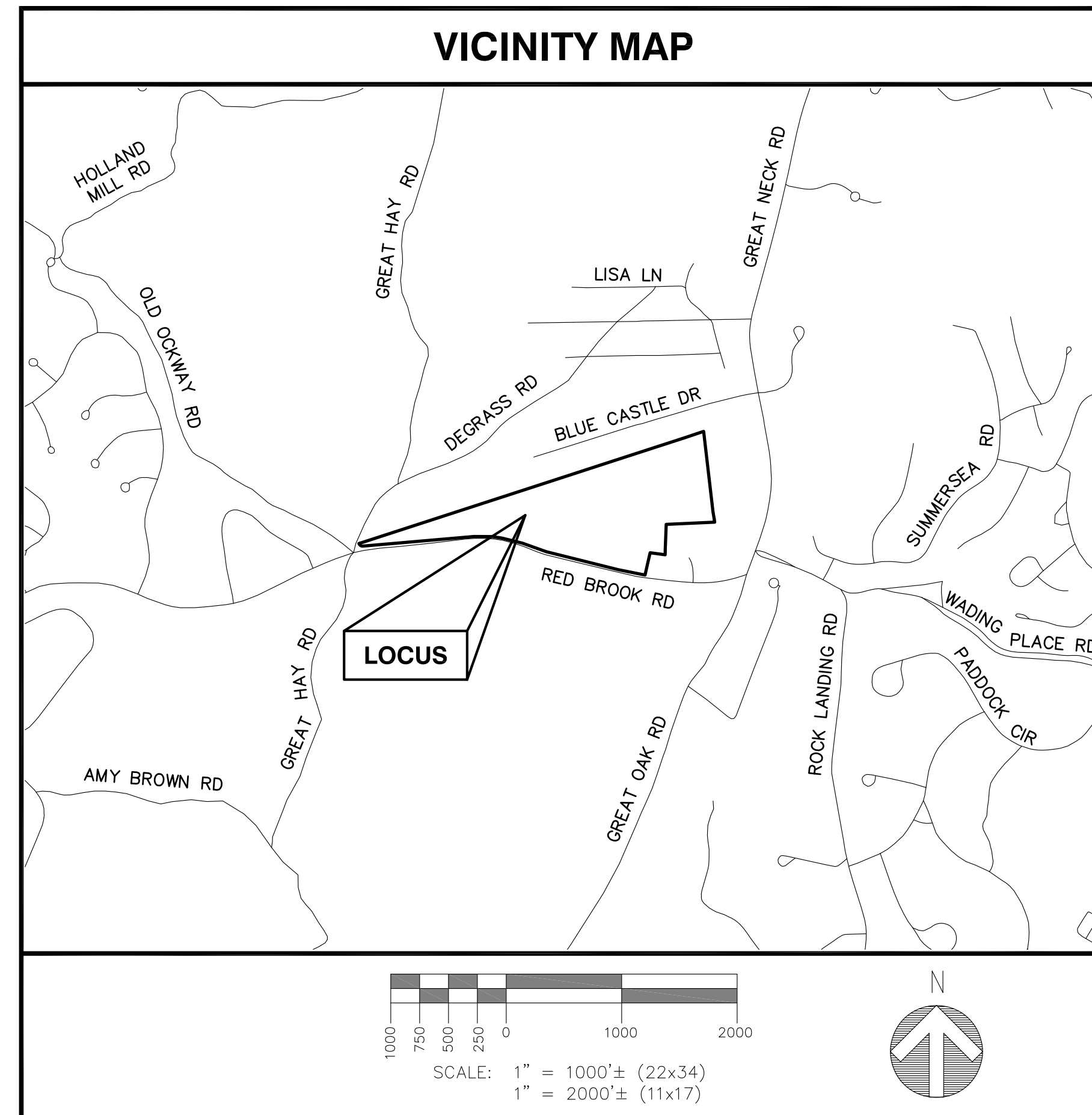
CO-APPLICANT INFORMATION	
	SITE NUMBER: TBD SITE NAME: TBD
	CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS 118 FLANDERS ROAD THIRD FLOOR WESTBOROUGH, MA 01581

PROJECT INFORMATION	
SITE TYPE:	RAW LAND WIRELESS COMMUNICATIONS FACILITY
SCOPE OF WORK:	PROPOSED 150' TALL MONOPOLE WITH 70'x70' FENCED COMPOUND WITHIN 100'x100' LEASE AREA.
SITE NAME:	MASHPEE FIRE STATION #2
SITE NUMBER:	MA-5112
SITE ADDRESS:	101 RED BROOK ROAD MASHPEE, MA 02649
ASSESSOR'S TAX ID#:	MAP 104 LOT 2
ZONING DISTRICT(S):	RESIDENTIAL DISTRICT (R-3) WIRELESS FACILITY OVERLAY DISTRICT GROUNDWATER PROTECTION OVERLAY DISTRICT
LATITUDE:	41° 35' 02.89"± N (SURVEY 1A)
LONGITUDE:	70° 29' 03.08"± W (SURVEY 1A)
(P) ELEVATION:	28.3'±
DATUM:	NAD83/NAVD88
PROPERTY OWNER:	N/F TOWN OF MASHPEE 16 GREAT NECK ROAD NORTH MASHPEE, MA 02649
APPLICANT:	BLUE SKY TOWERS, LLC 352 PARK STREET SUITE 106 NORTH READING, MA 01864
SITE ENGINEER:	PROTERRA DESIGN GROUP, LLC 4 BAY ROAD BUILDING A; SUITE 200 HADLEY, MA 01035 TEL: (413) 320-4918
SURVEYOR:	NORTHEAST SURVEY CONSULTANTS 116 PLEASANT STREET SUITE 302 EASTHAMPTON, MA 01027 TEL: (413) 203-5144

DRAWING INDEX		
SHEET	DESCRIPTION	REVISION
T-1	TITLE SHEET	B
C-1	ABUTTERS PLAN	0
C-2	EXISTING CONDITIONS	0
A-1	AERIAL & USGS MAPS	B
A-2	COMPILED PLOT PLAN	B
A-3	OVERALL SITE PLAN	B
A-4	COMPOUND PLAN & ELEVATION	B
SE-1 TO SE-2	SITING ELEVATIONS	B
D-1	DETAILS	B
CA-1 TO CA-2	CO-APPLICANT DETAILS	B
EC-1	EROSION CONTROL PLAN & DETAILS	B

GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER & APPLICANT REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME. PLANS FOR PERMITTING PURPOSES ONLY. NOT FOR CONSTRUCTION.
- ALL UNDERGROUND UTILITY INFORMATION WAS DETERMINED FROM SURFACE INVESTIGATIONS AND EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK. CALL DIG-SAFE (888) 344-7233 72-HOURS PRIOR TO ANY EXCAVATION.
- THIS SHEET WAS ORIGINALLY PRINTED TO ANSI D (22"x34") WITH 1" MARGINS. PRINTING TO ANSI B (11"x17") WILL RESULT IN A HALF-SCALE (1:2) SHEET SET WITH 1/2" MARGINS. CONFIRM ALL SCALED DISTANCES WITH GRAPHICAL SCALES SHOWN HEREIN.
- NEW CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
BUILDING CODE: MASSACHUSETTS STATE BUILDING CODE (780 CMR) 8TH EDITION (IBC) AND AMENDMENTS
ELECTRICAL CODE: NEC 2014 WITH MASSACHUSETTS AMENDMENTS (527 CMR 12.00)



PERMITTING REVIEW

ProTerra
DESIGN GROUP, LLC

4 Bay Road
Building A; Suite 200
Hadley, MA 01035
Ph: (413)320-4918

CONSULTANTS:

--	--

REVISIONS

NO.	DATE	ISSUED FOR REVIEW
A	09/27/17	CCC PRELIM. REVIEW
B	10/18/17	CCC PRELIM. REVIEW

TITLE: SITE NAME: MASHPEE FIRE STATION #2
SITE NUMBER: MA-5112
ADDRESS: 101 RED BROOK ROAD
MASHPEE, MA 02649

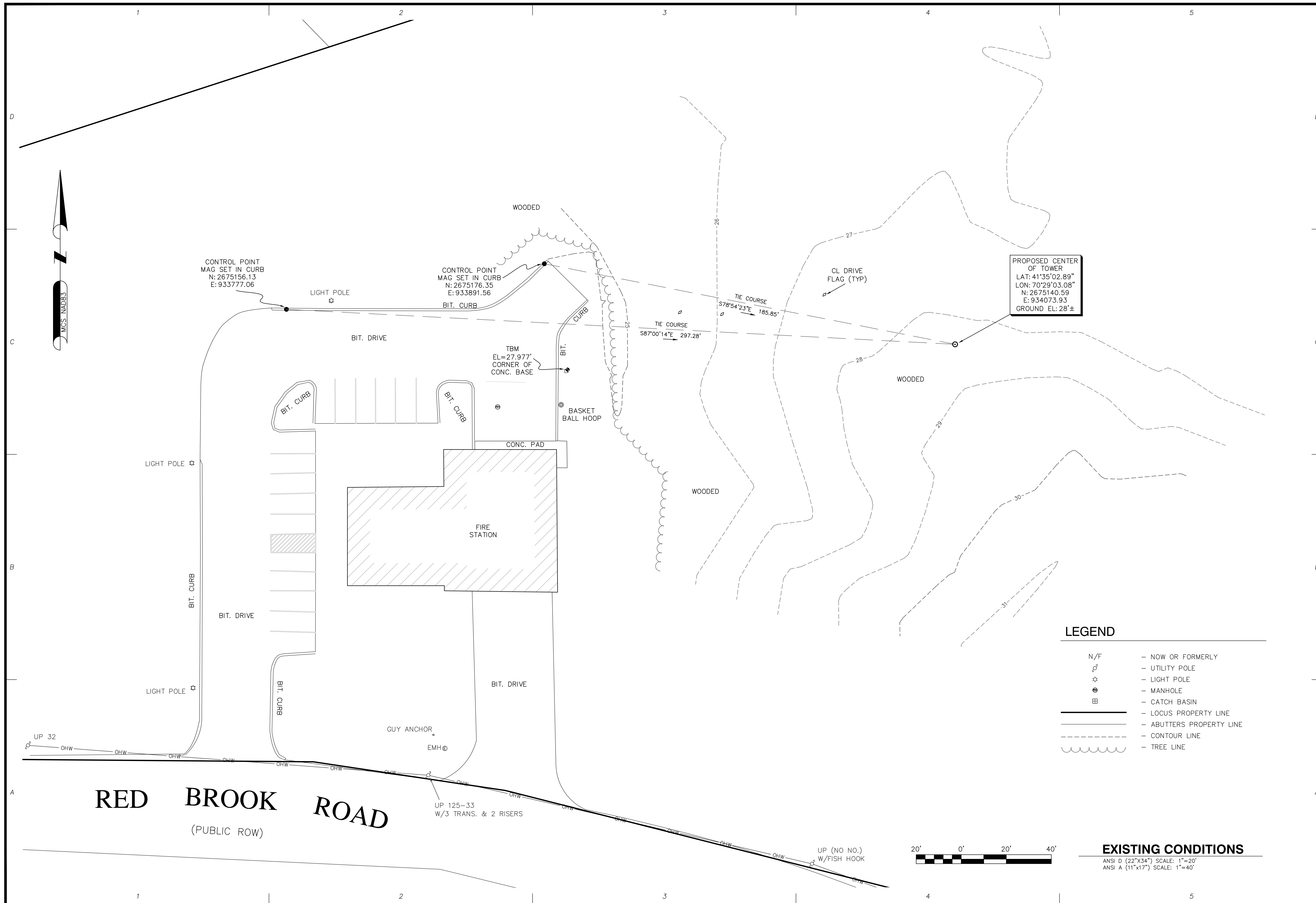
APPLICANT:
BLUE SKY TOWERS, LLC
352 PARK STREET
SUITE 106
NORTH READING, MA 01864

STAMP:

DATE: 09/27/17
 DRAWN: BLM/STJ
 CHECK: JMM/TEJ
 SCALE: SEE PLAN
 JOB NO.: 17-063

TITLE SHEET

T-1



CONTROL POINT
MAG SET IN CURB
N: 2675156.13
E: 933777.06

CONTROL POINT
MAG SET IN CURB
N: 2675176.35
E: 933891.56

PROPOSED CENTER
OF TOWER
LAT: 41°35'02.89"
LON: 70°29'03.08"
N: 2675140.59
E: 934073.93
GROUND EL: 28'±

TIE COURSE
S78°54'23"E 185.85'

TIE COURSE
S87°00'14"E 297.28'

LEGEND

- N/F - NOW OR FORMERLY
- ☉ - UTILITY POLE
- ☆ - LIGHT POLE
- ⊙ - MANHOLE
- ⊞ - CATCH BASIN
- - LOCUS PROPERTY LINE
- - ABUTTERS PROPERTY LINE
- - - - - CONTOUR LINE
- ~~~~~ - TREE LINE

RED BROOK ROAD
(PUBLIC ROW)



EXISTING CONDITIONS
ANSI D (22"x34") SCALE: 1"=20'
ANSI A (11"x17") SCALE: 1"=40'

ProTerra
DESIGN GROUP, LLC

4 Bay Road
Building A, Suite 200
Hodley, MA 01035
(413) 320-4918

CONSULTANTS:
NORTHEAST SURVEY CONSULTANTS

116 Pleasant St. Ste. 302
P.O. Box 109
Easthampton, MA 01027
(413) 203-5144
northeastsurvey.com

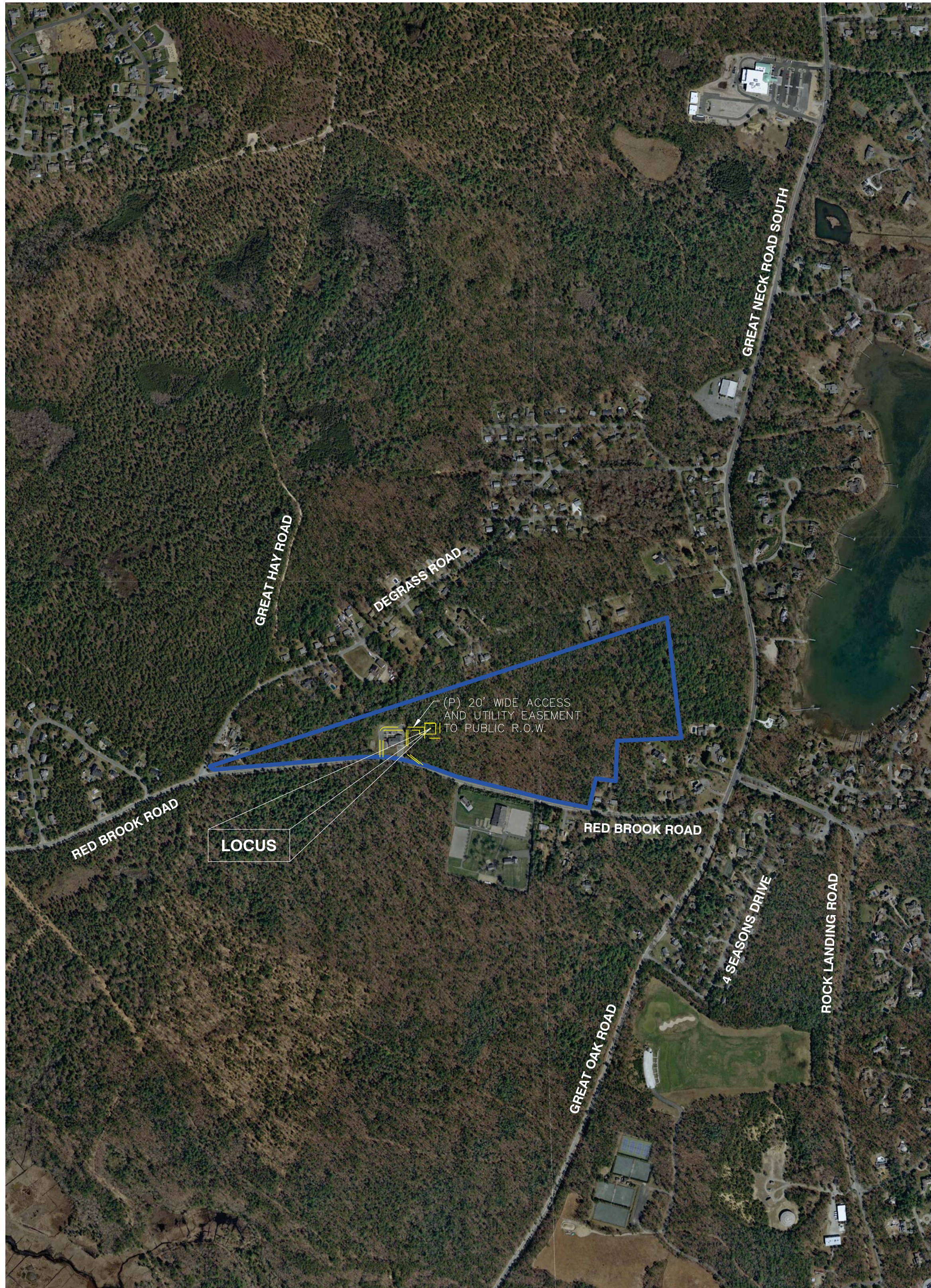
NO.	DATE	REVISIONS
0	10/03/17	ISSUED FOR REVIEW

TITLE: SITE NAME: MASHPEE FIRESTATION #2
SITE NUMBER: MA-5112
ADDRESS: 101 RED BROOK ROAD
MASHPEE, MA 02649

APPLICANT: BLUE SKY TOWERS, LLC
352 PARK STREET
SUITE 106
NORTH READING, MA 01864

DATE: 10/03/2017
DRAWN: CRC
CHECK: BCF
SCALE: 1"=20"
JOB NO.: 17-206

SHEET TITLE:
EXISTING CONDITIONS
C-2

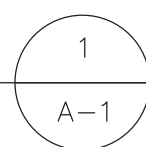


REF: "USGS COLOR ORTHO IMAGERY (2013/2014)" DATALAYER DATED APRIL 2013/2014 PREPARED BY OFFICE OF GEOGRAPHIC INFORMATION (MASSGIS), COMMONWEALTH OF MASSACHUSETTS, INFORMATION TECHNOLOGY DIVISION

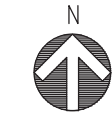


AERIAL PHOTO

SCALE: 1"=500' (22x34)
1"=1000' (11x17)

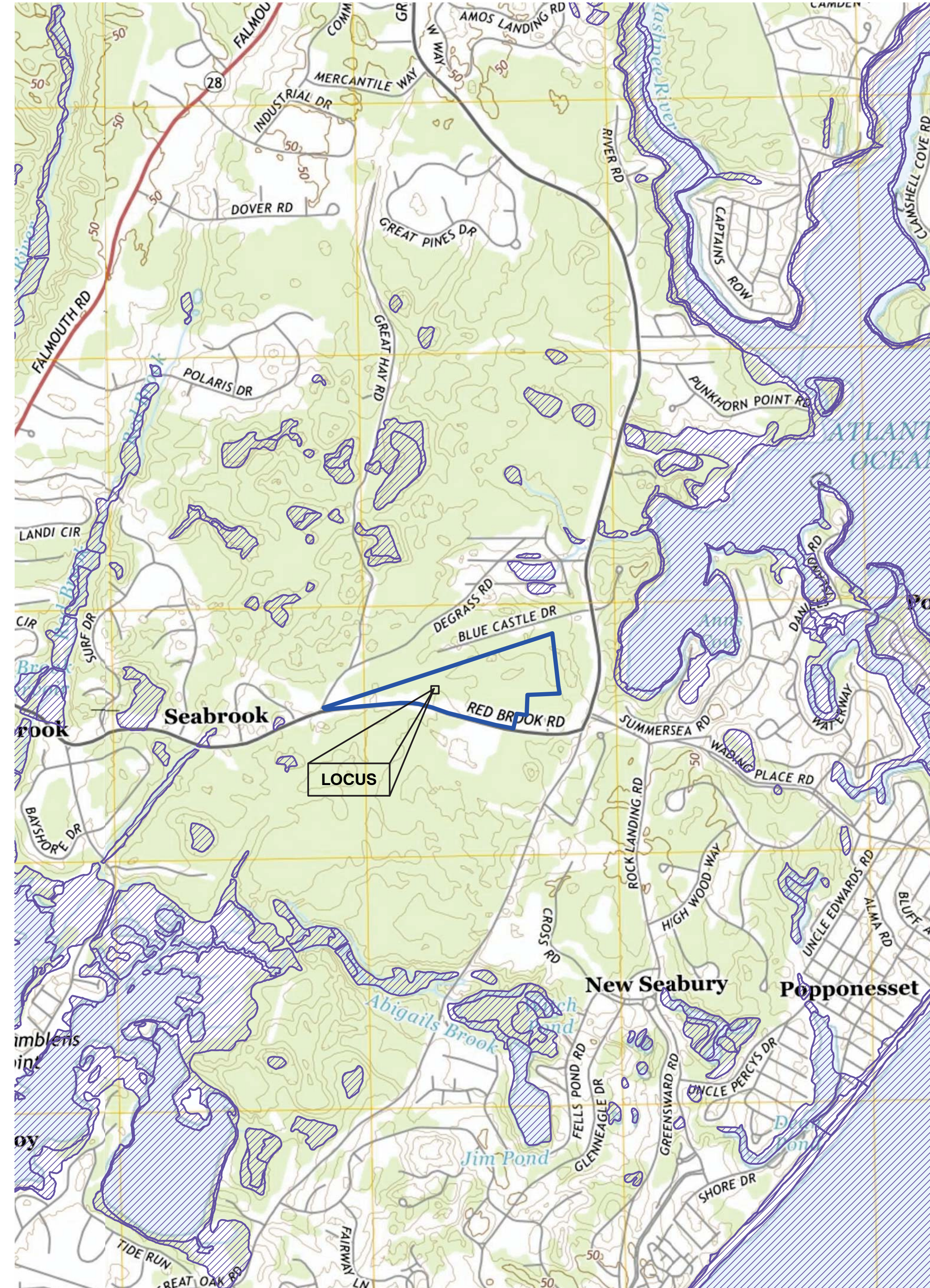
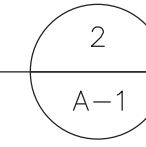


DEP WETLANDS - DATALAYER PREPARED BY OFFICE OF GEOGRAPHIC INFORMATION (MASSGIS), COMMONWEALTH OF MASSACHUSETTS, MASSIT (2009)



USGS MAP

SCALE: 1"=1000' (22x34)
1"=2000' (11x17)



REF: COTUIT, MA & FALMOUTH, MA QUADRANGLES, PREPARED BY UNITED STATES DEPARTMENT OF THE INTERIOR, U.S. GEOLOGICAL SURVEY, DATED 2015

ProTerra
DESIGN GROUP, LLC

4 Bay Road
Building A, Suite 200
Hodley, MA 01035
Ph: (413)320-4918

CONSULTANTS:

NO.	DATE	REVISIONS
A	09/27/17	ISSUED FOR REVIEW
B	10/18/17	CCC PRELIM. REVIEW

TITLE: **SITE NAME: MASHPEE FIRE STATION #2**
SITE NUMBER: MA-5112
ADDRESS: 101 RED BROOK ROAD
MASHPEE, MA 02649

APPLICANT:
BLUE SKY TOWERS, LLC
362 PARK STREET
SUITE 106
TOWERS, LLC NORTH READING, MA 01864

STAMP:

DATE: 09/27/17
DRAWN: BLM/STZ
CHECK: JMM/TEJ
SCALE: SEE PLAN
JOB NO.: 17-063

SHEET TITLE:

AERIAL & USGS MAPS

A-1

CONSULTANTS:

NO.	DATE	REVISIONS
A	09/27/17	ISSUED FOR REVIEW
B	11/01/17	CCC PRELIM. REVIEW

TITLE: **SITE NAME: MASHPEE FIRE STATION #2**
SITE NUMBER: MA-5112
ADDRESS: 101 RED BROOK ROAD
MASHPEE, MA 02649

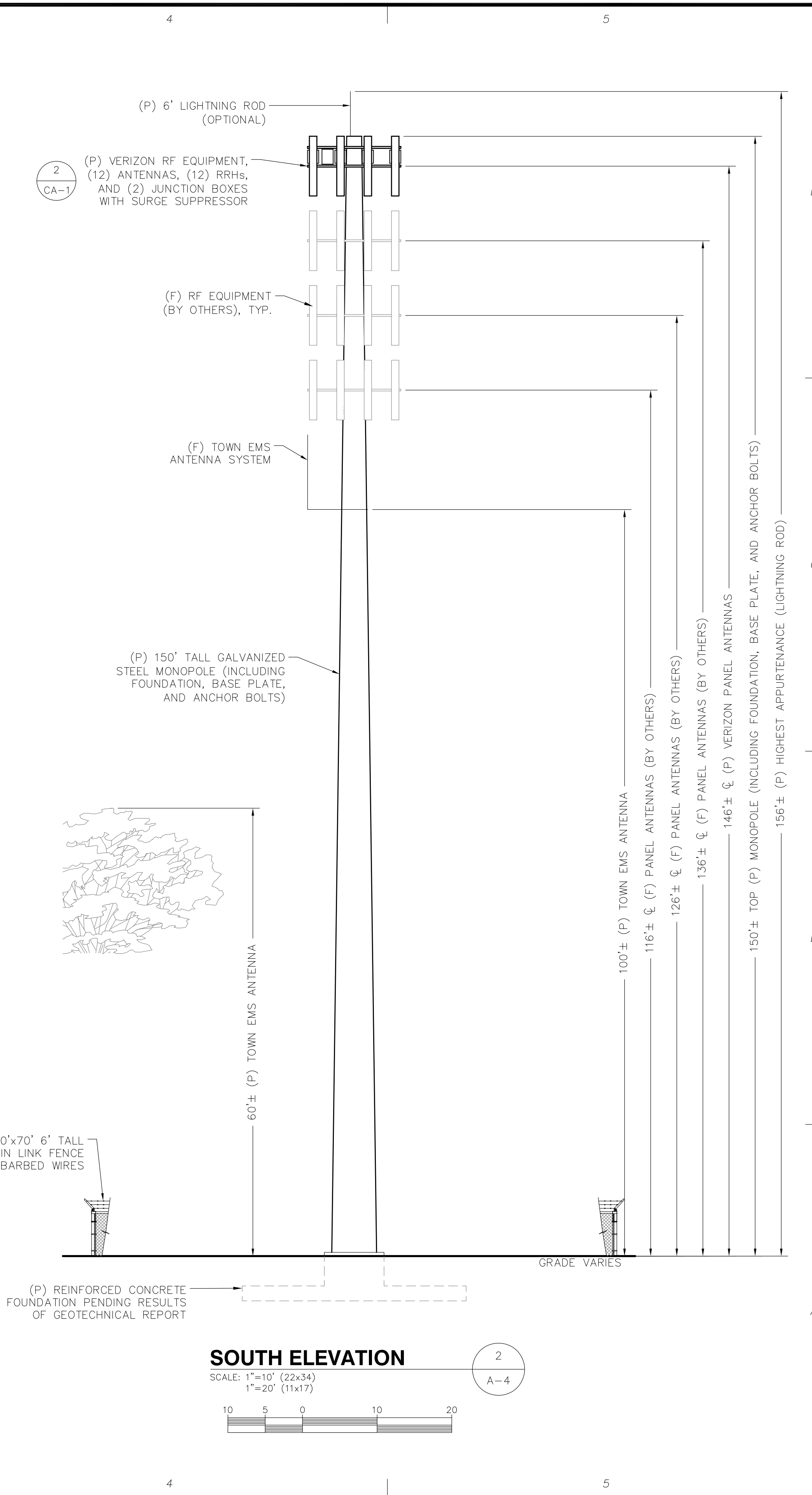
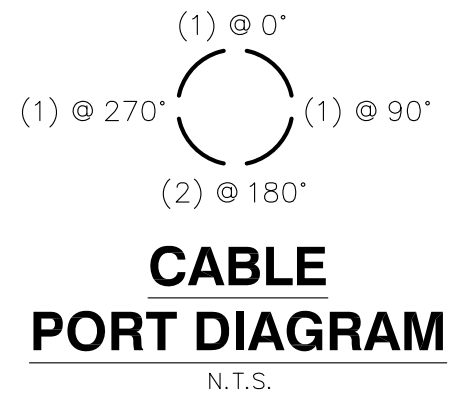
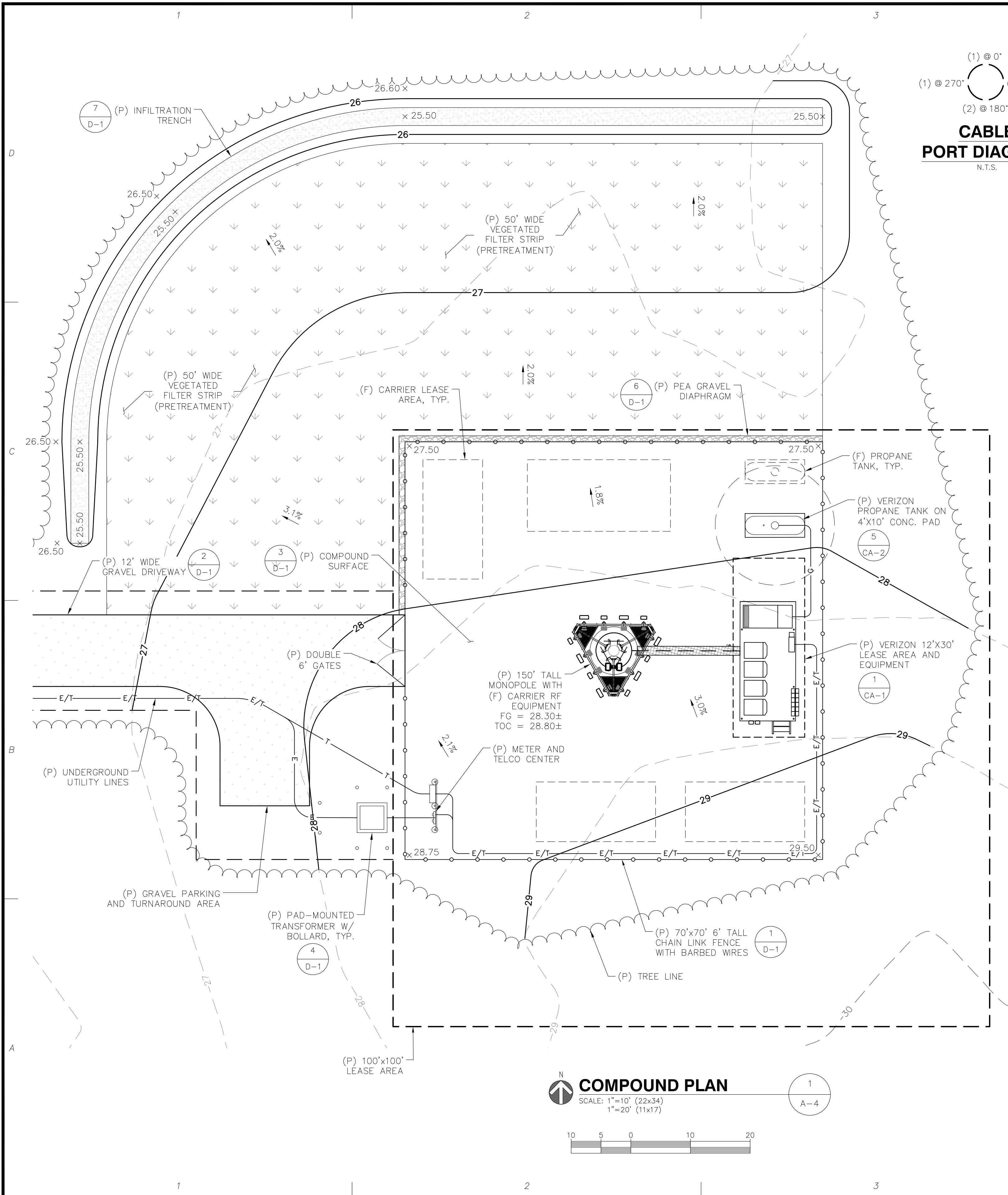
APPLICANT:
BLUE SKY TOWERS, LLC
362 PARK STREET
SUITE 106
TOWERS, LLC NORTH READING, MA 01864

STAMP:

DATE: 09/27/17
DRAWN: BLM/STZ
CHECK: JMM/TEJ
SCALE: SEE PLAN
JOB NO.: 17-063

SHEET TITLE:
COMPOUND PLAN & ELEVATION

A-4



U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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For delivery information, visit our website at www.usps.com®.

CONCORD, NH 03301

7017 1450 0000 6418 4378

Certified Mail Fee	\$3.35
Extra Services & Fees (check box, add fee \$ as appropriate)	\$2.75
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.40
Total Postage	



Sent To: **U.S. Fish and Wildlife Service**
 New England Field Office
 Attn: Ms. Susi von Oettingen
 70 Commercial Street, Suite 300
 Concord, NH 03301-5087

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
 U.S. Fish and Wildlife Service
 New England Field Office
 Attn: Ms. Susi von Oettingen
 70 Commercial Street, Suite 300
 Concord, NH 03301-5087



2. Article Number (Transfer from service label)
 7017 1450 0000 6418 437

COMPLETE THIS SECTION ON DELIVERY

A. Signature: *[Signature]* Agent Addressee
 B. Received by (Printed Name): *[Signature]*
 C. Date of Delivery: 10-30

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

3. Service Type
- | | |
|--|--|
| <input type="checkbox"/> Adult Signature | <input type="checkbox"/> Priority Mail Express® |
| <input type="checkbox"/> Adult Signature Restricted Delivery | <input type="checkbox"/> Registered Mail™ |
| <input checked="" type="checkbox"/> Certified Mail® | <input type="checkbox"/> Registered Mail Restricted Delivery |
| <input type="checkbox"/> Certified Mail Restricted Delivery | <input type="checkbox"/> Return Receipt for Merchandise |
| <input type="checkbox"/> Collect on Delivery | <input type="checkbox"/> Signature Confirmation™ |