

SPRINGER LAW OFFICE, PLLC

Attorney At Law

118 Maplewood Avenue, Suite C-1
Portsmouth, NH 03801
Telephone: (603) 319-8741
Fax: (603) 319-8743
e-mail: jspringer@jspringerlaw.com

April 8, 2014

VIA FEDERAL EXPRESS

Board of Appeals
c/o Lori D. Colton, Code Enforcement Officer
Town of Boothbay
1011 Wiscasset Road
Boothbay, ME 04537

RE: *Property Address:* **Ocean Point Road, Boothbay, ME (Map R9, Lot 12A)**
Site Name: **ME 5318SC (Spaulding Property)**

Dear Lori:

Enclosed please find the original and seven copies of the following:

1. Application for Appeals Hearing, with attached Petition.
2. Landowner Authorization.
3. AT&T's Authorization for Attorney Hobbins to sign on AT&T's behalf.
4. Site Plans.
5. Affidavit of Radio Frequency Expert, with RF plots.
6. Memo regarding Federal Telecommunications Act of 1996.
7. Abutter's List.
8. A check in the amount of \$70 for the filing fee. (filing fee \$20 and public notice fee \$50). If there are any other filing fees, please let me know.

Thank you for your attention to this matter.

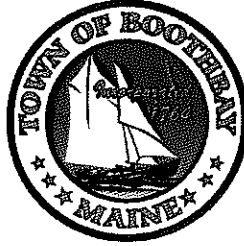
Sincerely,



Jonathan Springer, Esq.

cc: Mariner Tower II, LLC
cc: New Cingular
cc: Mary Costigan, Esq.
cc: Lucy Spaulding

PERMIT FEE = \$20.00
PLUS MAILING
AND ADVERTISING COSTS \$50.00



**BOARD OF APPEALS
APPLICATION FOR APPEALS HEARING**

Applicant's Name: Mariner Tower II, LLC / New Cingular Wireless PCS, LLC
Address: 22 Oakwood Drive, Kennebunkport, Maine / See Petition
Zip Code: 04046 Telephone: 207-967-8094

Owner's Name (if different): Lucy Ann Spaulding
Address: 99 Van Horn Road, East Boothbay, ME 04544
Zip Code: _____ Telephone: _____

Property Location: 1) Road Name: off Route 96; Ocean Point Road
2) Subdivision Name: _____
3) Boothbay Tax Map: R9 Lot: 12A

Administrative Appeals: Relief from the decision, or lack of decision, of the Code Enforcement Officer, Harbor Master or Planning Board in regard to an application for a permit. The undersigned believes that (check one):

☐ An error was made in the approval/denial of the permit
☐ The approval/denial of the permit was based on a misinterpretation of the Ordinance
☐ There has been a failure to approve, or deny, the permit within a reasonable period of time
☐ Other: _____

Below, provide a concise written statement indicating what provision of the Zoning Ordinance requires interpretation or what relief is requested as well as an explanation of why it should be granted: _____

PERMIT FEE = \$20.00
PLUS MAILING
AND ADVERTISING COSTS \$50.00

Variance: Relief from a minimum zoning standard. Check those that apply:

- ☐ A side or rear property line setback
☐ A setback from the right-of-way centerline
☐ A setback from mean high water
☐ Minimum lot size
☒ Other: Section 3.9.7.2.1 - Communication Tower in Special Residential District

Justification of Variance Requested: In order for a variance to be granted, the applicant must demonstrate to the Board of Appeals that the strict application of the terms of the Zoning Ordinance could cause undue hardship. There are four criteria that must all be met before the Board of Appeals can find that a hardship exists. Please explain how your situation meets each of the following criteria:

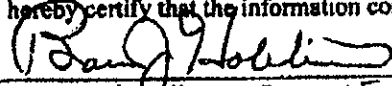
1.) The land in question cannot yield a reasonable economic return unless the variance is granted
The leased parcel is uniquely situated for a communications tower and has no other beneficial use and no return. See Petition, at para. 16


2.) The need for a variance is due to the unique circumstances of the property, such as physical restrictions, that are not present on other properties in the neighborhood.
The parcel has unique characterizations such as location within the coverage gap and topography. See Petition, at para. 8, 9, 10 and 17.

3.) The granting of a variance will not alter the essential character of the locality (e.g. a new residence in a neighborhood of residential homes is in keeping with the area)
A low monopole is proposed with little visual impact. See Petition, at para. 12 and 18.

4.) The hardship is not a result of an action taken by the applicant or a prior owner. The action causing hardship was, therefore, initiated prior to the passage of the Zoning
Hardship arises due to radio frequency issues, not due to applicant's or owner's acts. See Petition at para. 19.

I hereby certify that the information contained in this application is true and correct

 4/8/14
Signature of Applicant FOR NEW CINCINNATI Date
WIRELESS PSC, LLC 0/8/14
ATTN: MOBILITY, LLC, DULY AUTHORIZED

 4/10/14
Louis Vitale
Manchen Tower II, LLC 5/7/08

PERMIT FEE = \$20.00
PLUS MAILING
AND ADVERTISING COSTS \$50.00

PETITION FOR VARIANCE
TOWN OF BOOTHBAY BOARD OF APPEALS

Mariner Tower II, LLC of 22 Oakwood Drive, Kennebunkport, Maine 04046 (“Mariner Tower”) and New Cingular Wireless PCS, LLC d/b/a AT&T Mobility, LLC (“AT&T”) c/o Law Office of Barry Hobbins, 74 Beach Street, Saco, Maine, 04072, as co-applicants, hereby petition the Boothbay Board of Appeals for a variance from the provisions of the Zoning Ordinance of the Town of Boothbay (“the Ordinance”) regarding the prohibition of Communication Towers in the Special Residential District, Section 3.9.7.2.1 of the Ordinance, as follows:

1. Mariner Tower is a Maine company which works with federally licensed providers of personal wireless services in identifying and acquiring appropriate sites for the development of wireless telecommunication facilities and in constructing and operating such facilities for use by providers of wireless services. AT&T is licensed by the Federal Communications Commission (“FCC”) to maintain and operate wireless telecommunications systems in the State of Maine.

2. Mariner Tower has leased a portion of the property located off Route 96, Ocean Point Road, Boothbay, Maine, Tax Map R9, Lot 12A (“the Property”) as a site for a wireless telecommunications facility. The Property is owned by Lucy Spaulding. A letter of authorization signed by Ms. Spaulding is submitted with the application.

3. Mariner Tower has leased a 100’ x 100’ area on the Property, within which it proposes to construct a fenced compound 75’ x 75’ in size. Within the compound, Mariner Tower proposes to erect a one hundred and twenty foot (120’) monopole tower in order to host telecommunication antennas, and, at the base of the tower, within the fenced compound, an

equipment shelter and accompanying equipment (“the Facility.”) A monopole tower is a single shaft, self-supporting tower (without guy wires). Plans showing the Property, the lease area and the compound are submitted with the application. The monopole will not require FAA lighting or marking. The Facility will not require water or sewer services as it will be unmanned. The only utilities necessary are power and telephone, which can be run from existing services off Ocean Point Road. The only vehicular traffic generated by the Facility, after construction, will be one or two trips per month by a technician in an SUV or similar passenger vehicle. The existing Ocean Point Road, and the proposed access drive, will easily be able to handle that vehicular traffic. There will be no pedestrian traffic generated by the Facility.

4. Mariner Tower has in turn entered into a lease with AT&T by which AT&T will lease space at the top of the monopole in order to install AT&T’s antennas, as well as space within the compound for AT&T’s proposed 11’5’’ x 24’ equipment shelter and generator pad.

5. The Property is located within the Special Residential District as set forth in the Ordinance.

6. The Facility proposed by Mariner Tower and AT&T falls within the definition of “Communications Tower” as set forth in the Ordinance, which definition states, in its entirety, as follows: “Any **structure** used to facilitate broadcasting, receiving or sending and receiving information by electromagnetic waves except when used for private ham radio or satellite dish antenna.” [Boldface in the original.]

7. The Communications Tower use is permitted under the Ordinance only in the C1 District (by conditional use), the C2 District (by conditional use), the C3 District (by conditional

use), the Industrial Park District (allowed use), and the Maritime Commercial District (Planning Board approval) (“the Permitted Zones”).

8. AT&T currently has a significant area of inadequate, unreliable coverage, which constitutes a significant gap in coverage, in the eastern part of Boothbay (“the Gap”), where the Property is located.

9. AT&T currently has a telecommunications facility located at off of Country Club Road in Isle of Springs, in the C3 District. It is not possible to bring radio frequency coverage or service to the Gap by that existing facility, or by any facility located in one of the Permitted Zones, due to the distances and topography involved. Submitted with the application is a document entitled “Boothbay/Ocean Point Satellite Map”, which has the Gap for AT&T outlined in green (and identified as the “target area”.) The existence and location of the Gap as identified by AT&T was confirmed by the Board’s retained expert, Ivan Pagacik of IDK Communications, during the Farrins proceeding.

10. The Property has specific characteristics, including location, topography and relationship to existing and approved AT&T facilities in the area which make it uniquely suitable to address AT&T’s need to fill the existing Gap.

11. The Board of Appeals may grant a variance if the criteria set forth in Section 5.6.1 of the Ordinance are met.

12. Section 5.6.1(a) states that the Board may grant a variance if the activity, development or use is not prohibited by the Ordinance and is consistent with the land use goals and objectives of Section 1.8. In this case, the Communications Tower use is not prohibited by the Ordinance, as it is permitted in the Permitted Zones. Further, the land use goals and

objectives of Section 1.8 would be met as follows: the height of 120' is the height necessary for adequate radio frequency coverage from the Property, and would provide limited visibility throughout the Town. Further, the Facility would bring radio frequency coverage to an area of Town that is currently underserved by AT&T. The facility is low impact in the sense that it does not create significant impacts regarding noise, traffic, parking, odors, lighting, hazardous waste or electrical or electronic interference "nuisance" impacts. Further, wireless services and data transmission are extremely popular, and continuing to grow in popularity, and a significant portion of the population, including tourists, increasingly expect to have coverage in populated areas.

13. Section 5.6.1(B) allows a variance if the proposed development or use would meet the standards of the Ordinance except for the specific provision from which relief is sought. In this case, this standard is met as the Facility would meet all setbacks and dimensional requirements (and in this context, it should be noted that pursuant to Section 3.9.7.4.3.1.1, the maximum structure height of 34' allowed in the Special Residential Zone "does not apply to chimneys, antennas, and communication towers.")

14. Section 5.6.1.(C) allows a variance to be granted if the minimum set back for new subsurface waste water disposal systems from water bodies required by the Maine Subsurface Wastewater Disposal Rules is not reduced. In this case, the Facility does not use water, and does not create any waste water or other effluent discharge and therefore this criteria is met.

15. Section 5.6.1(D) of the Ordinance allows a variance to be granted only when strict application of this Ordinance to the Petitioner and the Petitioner's property would cause undue hardship. In turn, the term "undue hardship" means all of the following, pursuant to Section

5.6.1.1: (A) the land in question cannot yield a reasonable return unless a variance is granted; (B) the need for a variance is due to the unique circumstances of the property and not to general conditions in the neighborhood; (C) the granting of a variance will not alter the essential character of the locality; and (D) the hardship is not the result of action taken by the applicant or a prior owner.

16. In this case, subsection (A) is met because without the variance, the land cannot yield a reasonable return. The “reasonable return” test is met where strict application of the zoning ordinance would result in the practical loss of all beneficial use of the land. The land in question is the 100’ x 100’ parcel that is leased by Mariner Tower. The beneficial use of that leased land is the location of a communication tower that will fill a significant Gap in coverage in the region. Thus, without a variance to allow a communications tower, the beneficial use of that parcel is lost, and thus the land cannot yield a reasonable return.

17. Subsection (B) is met because the need for the variance is due to the unique circumstances of the property, that is, the location within the Gap, topography and the property’s relationship with other AT&T sites.

18. Subsection (C) is met because the Facility will not alter the essential character of the locality. The monopole is of relatively low height, and will have limited visual impact.

19. Section (D) is met because the hardship is not the result of action taken by the applicant or a prior owner. The hardship arises because of the lack of radio frequency coverage in the Gap, the unique characteristics of the property that make the property ideal for locating a communications tower to fill that Gap, and not by any action taken by the applicant or a prior owner.

20. An affidavit of Radio Frequency Expert Ernesto Chua, Jr., AT&T's radio frequency engineer, is submitted with the application. (Mr. Chua's resume showing his qualifications is attached to that affidavit.) As can be seen by the affidavit and the RF plots, the Spaulding site can provide RF coverage to the Gap. Further, the other sites raised during the Farrins proceeding – Bigelow and Spyglass Hill – cannot provide such coverage, even with a tower height of 300 feet.

21. Section 5.6.7 of the Ordinance states as follows: “**Limitations.** The Board of Appeals shall limit any variances granted as strictly as feasible in order to insure conformance with the purposes and provisions of this Ordinance to the greatest feasible extent, and in doing so, may impose such conditions on a variance as it deems necessary. The party receiving the variance shall comply with any conditions imposed.”

The facility as proposed is limited in terms of height. Such a reduced is often the type of “limitation” placed upon a telecommunications facility by a town board in order to limit visual impact. The applicants would be happy to discuss other reasonable limitations with the Board of Appeals as a condition of approval.

22. Section 5.6.7.2 of the Ordinance states as follows: “A variance shall not be granted for establishment of any use prohibited by this Ordinance in Section 3.7 or 3.9.”

The application does not seek the establishment of any use prohibited by Section 3.7 or 3.9. Regarding Section 3.7, there are a number of prohibitions:

Section 3.7.1 prohibits a subdivision created after 1974 which has not been duly approved. The proposed project does not do so.

Section 3.7.2 through 3.7.9 prohibits development which significantly alters any habitat of threatened or endangered species; prohibits development on vacant lots that have sustained slopes in excess of 30%; prohibits development which will cause adverse environmental impacts such as creating unstable soil, mass soil movement, uncontrollable erosion or improper drainage or water pollution; prohibits development which creates the emission of dust, dirt, fly ash, fumes, vapors or gasses; prohibits the storage of explosives; prohibits the operation of a junk yard; prohibits a non-conforming use or condition from becoming more non-conforming; prohibits a new structure on or over a pier, wharf, dock or similar structure; prohibits subsurface waste water disposal in certain circumstances; and prohibits conveyance of land without at least one permanent marker. The proposed project does not violate any of these prohibitions.

Section 3.7.10 contains a list of prohibited uses, including nuclear generating plants, gasoline or petroleum distillation, manufacturing of explosives, auto washing facilities, dry cleaning establishments, and other similar uses. None of the prohibited uses in Section 3.7.10 are involved with the proposed project.

Section 3.7.11 prohibits waste disposal or discharge into the waters of the state. The proposed project does not generate any waste water.

Regarding Section 3.9, that section contains the District Standards for each district. The use of a “Communications Tower” is not prohibited by Section 3.9, and in fact, is expressly allowed as a permitted use in a number of the districts under Section 3.9.

23. When discussing the permitted uses of the Special Residential District, it should also be noted that “Essential Services” are permitted (with Planning Board review) in the Special Residential District. Essential services are defined as, and include, “. . . communication facilities

... towers and related equipment. Such systems may include towers, poles, wires, mains ... and similar accessories ... which are necessary for the furnishing of such services." The applicant believes that the reason the Special Residential height limitations does not apply to "chimneys, antennas and communications towers", as per Section 3.9.7.4.3.1.1, is because the Ordinance contemplates that "communications towers" may be necessary in the district.

24. The Maine Law Court has recognized that a local land use board has to consider the Federal Telecommunications Act, in general, and, in particular, whether the application of the restrictions in a land use ordinance "prohibit or have the effect of prohibiting the provision of personal wireless services" Banks v. Maine RSA # 1, 721 A.2d 655, 658 (1998). In this instance, given the undisputed existence of the Gap, and the fact that every parcel within the Gap would require a variance, unless a variance is granted there will be an effective prohibition of coverage. Further, it is important to remember that a Board cannot deny an application by one carrier on the basis that another carrier already provides coverage to the significant gap. Second Generation Properties, L.P. v. Town of Pelham, 313 F. 3d 620, 631 (1st Cir. 2002). For these reasons, in order to comply with the Federal Telecommunications Act the variance should be granted.

Respectfully submitted,

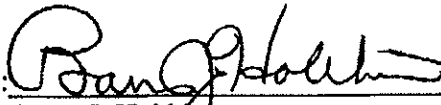
Mariner Tower II, LLC

Dated: April 8, 2014

By: 

New Cingular Wireless PCS, LLC d/b/a
AT&T Mobility, LLC

Dated: April 8, 2014

By: 
Barry J. Hobbs
ATTORNEY AT LAW/DUTY
AUTHORIZED

March 12, 2014


Town of Boothbay
Board of Appeals
Route 27
1011 Wiscasset Road
Boothbay, ME 04537

RE: *Landowner Acknowledgement and Authorization*

Dear BOA:

As the owner of the subject property located on Route 96, Ocean Point Road, Tax Map R9, Lot 12A, I acknowledge the variance application of Mariner Tower II, LLC and New Cingular Wireless PCS, LLC, d/b/a AT&T Mobility, LLC, and have granted them the necessary authorization to apply for the variance, and any other permits and approvals, if necessary, to develop a personal wireless service facility, as set out in the application, on a portion of my property. I understand that the Town may deny the application or approve it with certain conditions and I authorize Mariner Tower and/or AT&T to comply with the required conditions, if any.

Sincerely,


Lucy Ann Spaulding
99 Van Horn Road
East Boothbay, ME 04544



Jay Perez
AT&T Legal Department
General Attorney

AT&T Mobility
15 E. Midland Avenue
Paramus, NJ 07652

T: (201) 576-2042
jay.perez@att.com

LETTER OF AUTHORIZATION

Site Name/Number: ME 5318SC (Spaulding Property)

Property Address: Ocean Point Rd., Boothbay, ME (Tax Map R9; Lot 12A)

Co-Applicants: New Cingular Wireless PCS, LLC and Mariner Tower II, LLC

Dear Honorable Members of the Board of Appeals:

I am in-house counsel with AT&T. AT&T operates its wireless business through its indirectly wholly-owned subsidiary New Cingular Wireless PCS, LLC. Please be advised that *New Cingular Wireless PCS, LLC* has authorized Barry J. Hobbins, Esq., of The Law Offices of Barry J. Hobbins, P.A. to act as its agent in the signing and submission of a joint Application for Appeals Hearing, Petition for Variance and other required documents, as well as to represent our company before the Town of Boothbay Board of Appeals during the associated proceedings and hearings.

This authorization relates only to the joint application and other required documents being submitted by *New Cingular Wireless PCS, LLC* and Mariner Tower II, LLC regarding the petition for a variance.

Thank you for your anticipated cooperation in this matter.

Respectfully,

Jay Perez
General Attorney - Network Operations
AT&T Legal Department

MARINER TOWER

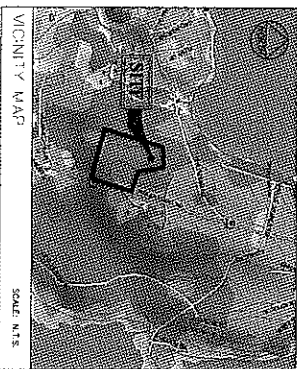
MARINER TOWER

SITE: BOOTHBAY

BOOTHBAY, MAINE

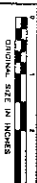
NEW 120' TALL MONOPOLE TOWER WITH
NEW ANTENNAS AND EQUIPMENT CABINETS

SITE NAME:	BOOTHBAY
OWNER TYPE:	120' MONOPOLE TOWER (PROPOSED)
SITE ADDRESS:	OCEAN POINT ROAD BOOTHBAY, ME 04437
PROPERTY OWNER:	LUCY ANN SPALDING 100 OCEAN POINT ROAD EAST BOOTHBAY, ME 04544
MAP & LOT:	MAP 09 / LOT 12-A
DEED BOOK / PAGE:	BOOK 2031 / PAGE 304
APPLICANT AND TOWER OWNER:	P.O. BOX 2000 KENNEBUNKPORT, ME 04046
CONTACT PERSON:	LOUIS MITCHELL 100 OCEAN POINT ROAD EAST BOOTHBAY, ME 04544
COORDINATES:	LATITUDE: 43° 49' 26.27" (N) LONGITUDE: 69° 35' 42.57" (W)
ELEVATION (MHD 295):	915.2
CURRENT ZONING:	SPECIAL RESIDENTIAL DISTRICT



SHEET	DESCRIPTION	DATE	REV.
T-101	TITLE SHEET	10/16/13	0
C-101	SITE PLAN	10/16/13	0
C-101A	LAND AREA ACCESS AND UTILITY EASEMENT PLAN	10/16/13	0
C-102	DETAILED PLAN	10/16/13	0
C-103	SITE LAYOUT PLAN & TOWER LOCATION	10/16/13	0
C-104	SHUTTER OUTLINE PLAN	10/16/13	0
D-101	DETAILS	10/16/13	0
C-101	GENERAL NOTES	10/16/13	0
SHEET INDEX			

PLANNING REQUIREMENTS: NO NEW SIGNAGE
HARDWARE UNAPPROVED ACCESS REQUIREMENTS
NOT REQUIRED.
PLANNING REQUIREMENTS: NO NEW SIGNAGE
HARDWARE UNAPPROVED ACCESS REQUIREMENTS
NOT REQUIRED.



MARINER
MARINER TOWER
P.O. BOX 2000
KENNEBUNKPORT, ME 04046

amec
311 Commercial Street, Suite 200
Portland, ME 04101
TEL: 207.773.1234 FAX: 207.773.1235

PROJECT: CORPORATION 917

SHEET NO.

FOR COMMENT

PROJECT NO.: 30-BR-4550

DRAWN BY: CSB

RELEASED BY: MBO

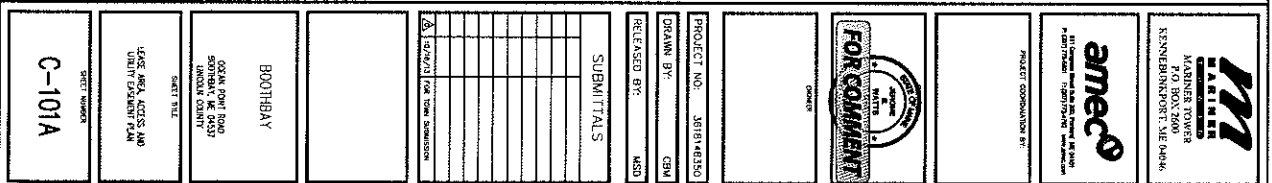
SUBMITTALS

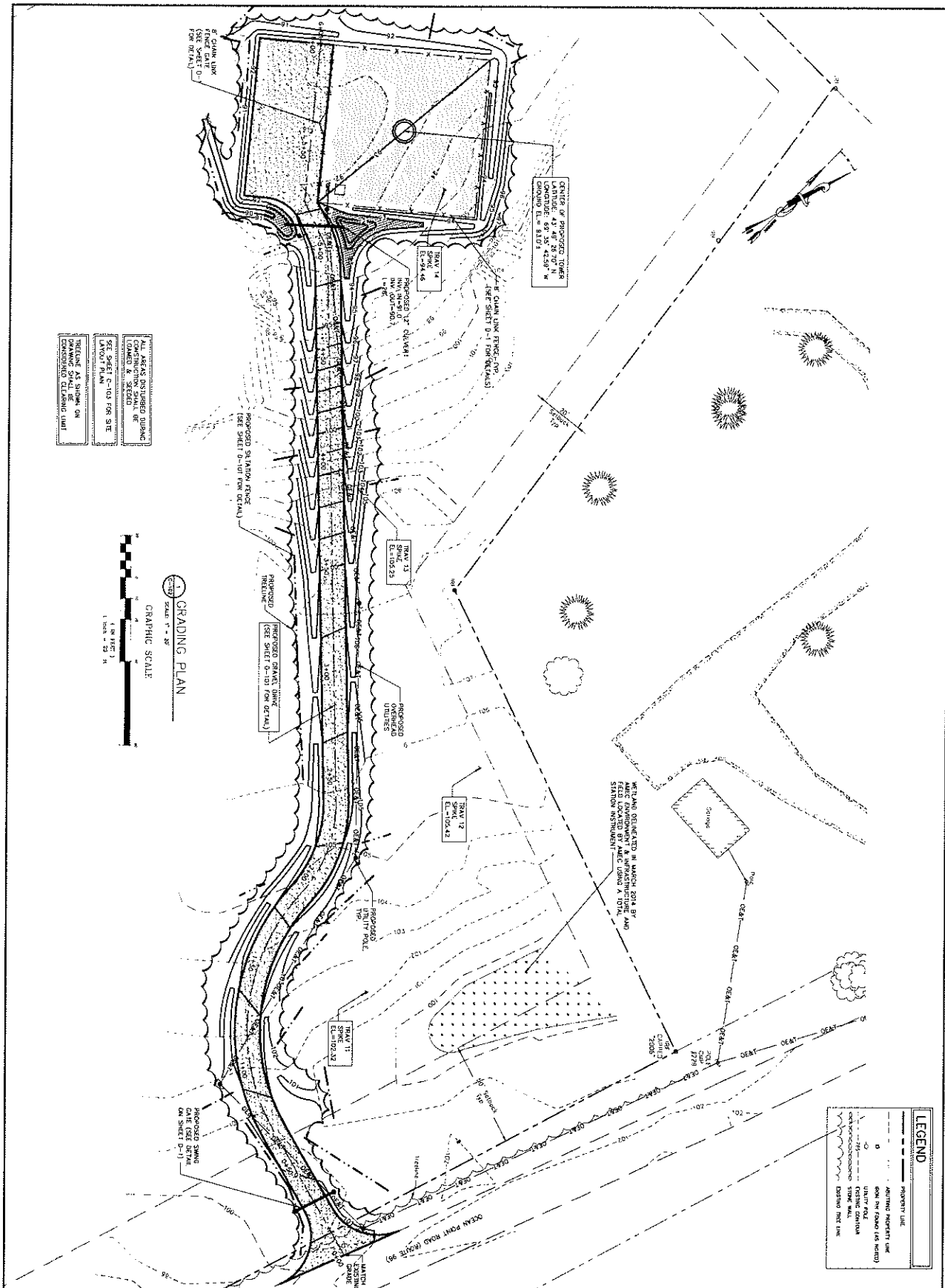
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

BOOTHBAY
OCEAN POINT ROAD
BOOTHBAY, ME 04437
INCHES ONLY

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-101





LEGEND

- PROPERTY LINE
- EXISTING PROPERTY LINE
- EXISTING ROAD (AS NOTED)
- EXISTING UTILITY
- EXISTING FENCE
- EXISTING CONCRETE
- EXISTING STONE WALL
- EXISTING TREE LINE

PROJECT INFORMATION

PROJECT NO. 36781-36781

DESIGN BY: GSA

RELEASED BY: MBO

SHEET NO. C-102

DATE 10/20/10

PROJECT LOCATION BOOTHBAY, ME 04517

CLIENT BOOTHBAY TOWN

SCALE 1" = 20' H

GRAPHIC SCALE

1" = 20' H

GRAPHIC SCALE

1" = 20' H

BOOTHBAY

OCEAN POINT ROAD

BOOTHBAY, ME 04517

UNCLERED TOWN

SHEET NO.

GRAPHIC PLAN

SCALE

C-102

FOR COMMENT

PROJECT NO. 36781-36781

DESIGN BY: GSA

RELEASED BY: MBO

SHEET NO. C-102

DATE 10/20/10

PROJECT LOCATION BOOTHBAY, ME 04517

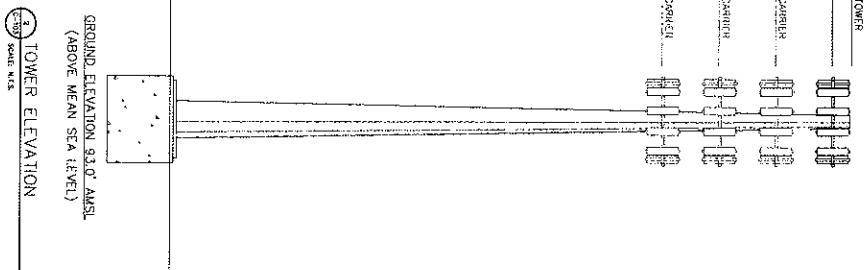
CLIENT BOOTHBAY TOWN

SCALE 1" = 20' H

GRAPHIC SCALE

1" = 20' H

ORIGINAL SIZE IN INCHES



Mariner
MARINER
MARINER TOWER
P.O. BOX 3600
KENNEBUNKPORT, ME 04046

amec
811 Chrysalis Road, Suite 200, Pompano Beach, FL 33069
P: (954) 774-6601 F: (954) 774-7462 www.amec.com

PROJECT COORDINATION BY:

Summary

FOR COMMENT



DRAWN BY:

RELEASED BY:

SUBMITTALS

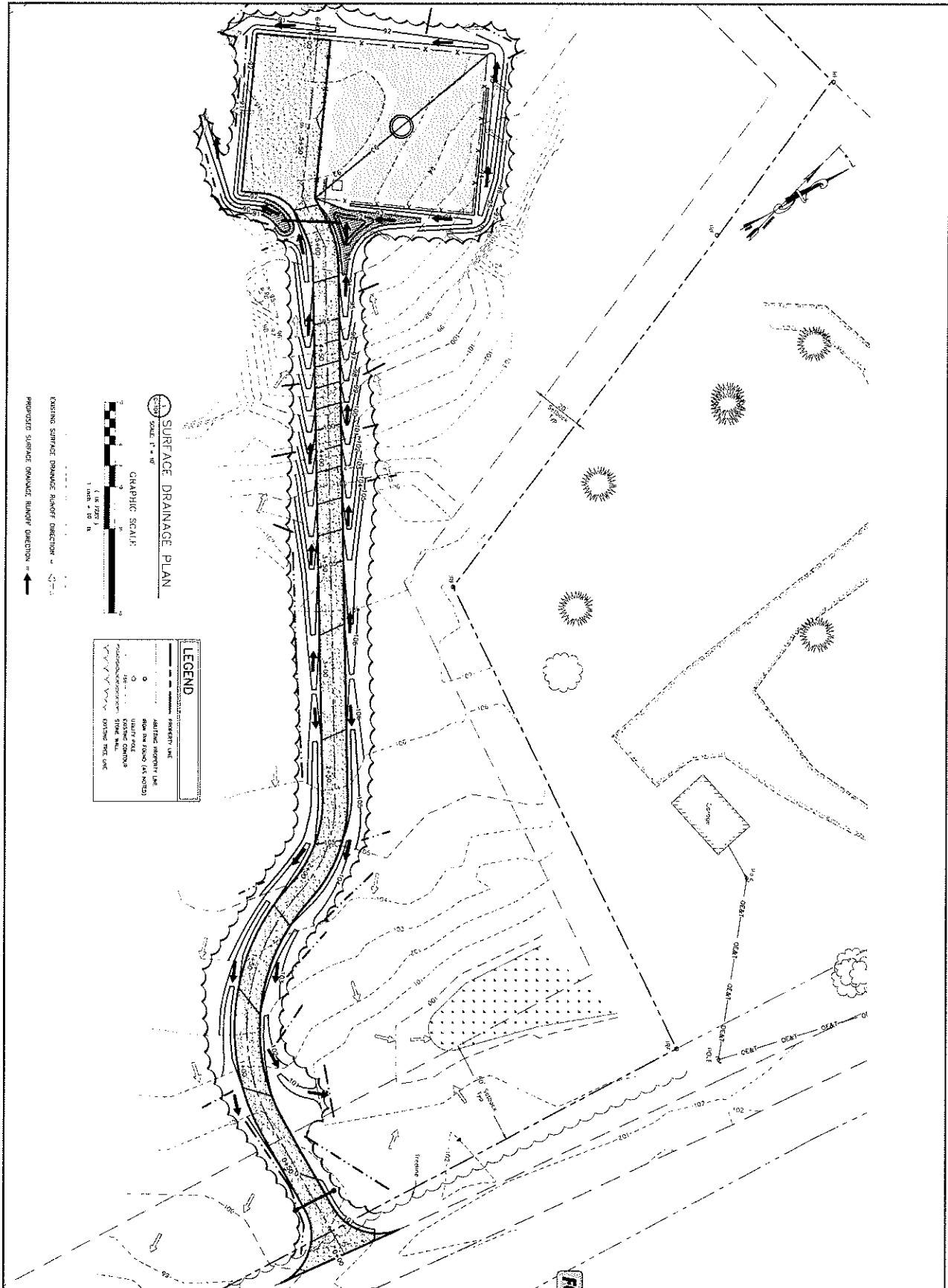
10/28/13	for down submission
----------	---------------------

BOOTHBAY

OCEAN POINT ROAD
BOOTHBAY, ME 04537
LINCOLN COUNTY

**SITE LAYOUT PLAN
A TOWER ELEVATION**

C-103



M
MARINE
ENGINEER
JANUARY 2000
LICENSED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

ameco
AMERICAN MARINE ENGINEERING COMPANY
1000 MARINE AVENUE
SAN FRANCISCO, CA 94133
415.774.1000

PROJECT: BOOTHBAY BEACH
SHEET: C-104

DATE: 10/10/00
BY: J. B. B.

PROJECT NO.: 361814350
DRAWN BY: GBA
RELEASED BY: JMS

SUBMITTALS

1. SURFACE DRAINAGE PLAN
2. EROSION CONTROL PLAN
3. LANDSCAPE ARCHITECTURE PLAN
4. PLANTING PLAN
5. IRRIGATION PLAN
6. LIGHTING PLAN
7. SIGNAGE PLAN
8. FENCE PLAN
9. UTILITY PLAN
10. GEOTECHNICAL REPORT
11. SOIL TEST REPORT
12. EROSION CONTROL MEASURES
13. LANDSCAPE ARCHITECTURE REPORT
14. PLANTING REPORT
15. IRRIGATION REPORT
16. LIGHTING REPORT
17. SIGNAGE REPORT
18. FENCE REPORT
19. UTILITY REPORT
20. GEOTECHNICAL REPORT

1. SURFACE DRAINAGE PLAN
2. EROSION CONTROL PLAN
3. LANDSCAPE ARCHITECTURE PLAN
4. PLANTING PLAN
5. IRRIGATION PLAN
6. LIGHTING PLAN
7. SIGNAGE PLAN
8. FENCE PLAN
9. UTILITY PLAN
10. GEOTECHNICAL REPORT
11. SOIL TEST REPORT
12. EROSION CONTROL MEASURES
13. LANDSCAPE ARCHITECTURE REPORT
14. PLANTING REPORT
15. IRRIGATION REPORT
16. LIGHTING REPORT
17. SIGNAGE REPORT
18. FENCE REPORT
19. UTILITY REPORT
20. GEOTECHNICAL REPORT

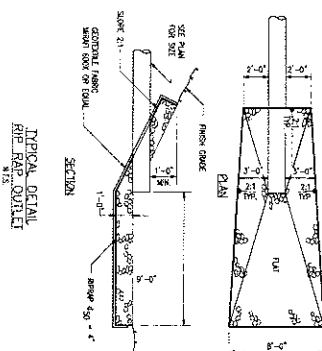
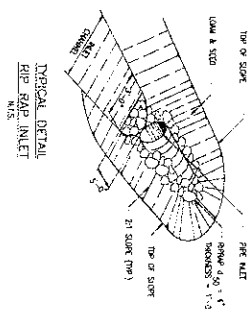
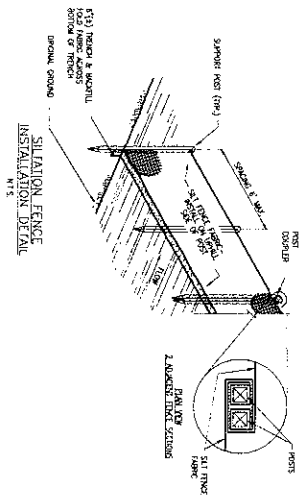
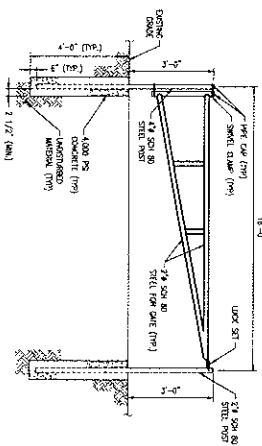
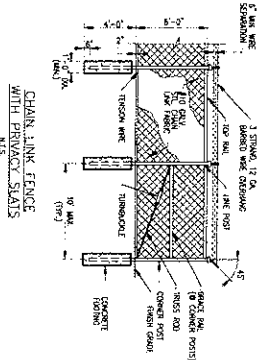
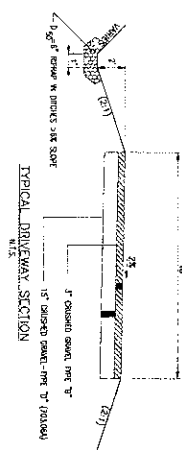
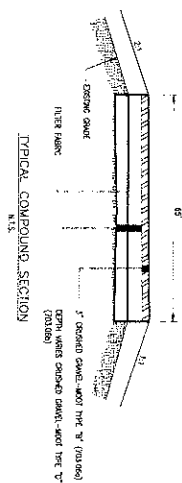
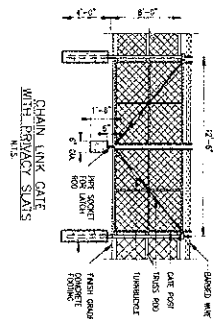
1. SURFACE DRAINAGE PLAN
2. EROSION CONTROL PLAN
3. LANDSCAPE ARCHITECTURE PLAN
4. PLANTING PLAN
5. IRRIGATION PLAN
6. LIGHTING PLAN
7. SIGNAGE PLAN
8. FENCE PLAN
9. UTILITY PLAN
10. GEOTECHNICAL REPORT
11. SOIL TEST REPORT
12. EROSION CONTROL MEASURES
13. LANDSCAPE ARCHITECTURE REPORT
14. PLANTING REPORT
15. IRRIGATION REPORT
16. LIGHTING REPORT
17. SIGNAGE REPORT
18. FENCE REPORT
19. UTILITY REPORT
20. GEOTECHNICAL REPORT

1. SURFACE DRAINAGE PLAN
2. EROSION CONTROL PLAN
3. LANDSCAPE ARCHITECTURE PLAN
4. PLANTING PLAN
5. IRRIGATION PLAN
6. LIGHTING PLAN
7. SIGNAGE PLAN
8. FENCE PLAN
9. UTILITY PLAN
10. GEOTECHNICAL REPORT
11. SOIL TEST REPORT
12. EROSION CONTROL MEASURES
13. LANDSCAPE ARCHITECTURE REPORT
14. PLANTING REPORT
15. IRRIGATION REPORT
16. LIGHTING REPORT
17. SIGNAGE REPORT
18. FENCE REPORT
19. UTILITY REPORT
20. GEOTECHNICAL REPORT

1. SURFACE DRAINAGE PLAN
2. EROSION CONTROL PLAN
3. LANDSCAPE ARCHITECTURE PLAN
4. PLANTING PLAN
5. IRRIGATION PLAN
6. LIGHTING PLAN
7. SIGNAGE PLAN
8. FENCE PLAN
9. UTILITY PLAN
10. GEOTECHNICAL REPORT
11. SOIL TEST REPORT
12. EROSION CONTROL MEASURES
13. LANDSCAPE ARCHITECTURE REPORT
14. PLANTING REPORT
15. IRRIGATION REPORT
16. LIGHTING REPORT
17. SIGNAGE REPORT
18. FENCE REPORT
19. UTILITY REPORT
20. GEOTECHNICAL REPORT

1. SURFACE DRAINAGE PLAN
2. EROSION CONTROL PLAN
3. LANDSCAPE ARCHITECTURE PLAN
4. PLANTING PLAN
5. IRRIGATION PLAN
6. LIGHTING PLAN
7. SIGNAGE PLAN
8. FENCE PLAN
9. UTILITY PLAN
10. GEOTECHNICAL REPORT
11. SOIL TEST REPORT
12. EROSION CONTROL MEASURES
13. LANDSCAPE ARCHITECTURE REPORT
14. PLANTING REPORT
15. IRRIGATION REPORT
16. LIGHTING REPORT
17. SIGNAGE REPORT
18. FENCE REPORT
19. UTILITY REPORT
20. GEOTECHNICAL REPORT

1. SURFACE DRAINAGE PLAN
2. EROSION CONTROL PLAN
3. LANDSCAPE ARCHITECTURE PLAN
4. PLANTING PLAN
5. IRRIGATION PLAN
6. LIGHTING PLAN
7. SIGNAGE PLAN
8. FENCE PLAN
9. UTILITY PLAN
10. GEOTECHNICAL REPORT
11. SOIL TEST REPORT
12. EROSION CONTROL MEASURES
13. LANDSCAPE ARCHITECTURE REPORT
14. PLANTING REPORT
15. IRRIGATION REPORT
16. LIGHTING REPORT
17. SIGNAGE REPORT
18. FENCE REPORT
19. UTILITY REPORT
20. GEOTECHNICAL REPORT



MARINER
MARINER TOWER
P.O. BOX 2600
KENNEBUNKPORT, ME 04046

amec[®]

PROJECT COORDINATION BY:

DRINK MORE

FOR COMMENT

PROJECT NO: 3618148350

DRAWN BY: CGN

RELEASED BY: MSD

SUBMITTALS

10/18/13	Pen Disk Submission
----------	---------------------

3007MBAY

OCEAN POINT ROAD
BOOTHBAY, ME 04515
UNION COUNTY

PAGE TWO

DETAILS

D-101

SEDIMENTATION AND EROSION CONTROL STRUCTURES WILL BE INSPECTED FOR COMPLIANCE WITH THE CONSTRUCTION AND AS STRUCTURES DAMAGED OR DESTROYED BY EROSION, THEY WILL BE REPAIRED OR REPLACED IMMEDIATELY. FOLLOWING MAINTENANCE AND DURING RAINFALL EVENTS, THE SITE AND ALL STRUCTURES WILL BE INSPECTED FOR EROSION AND DAMAGE. ALL DAMAGED STRUCTURES WILL BE REPAIRED AND/OR ADDITIONAL CONSTRUCTION OF EROSION CONTROL STRUCTURES WILL BE INSTALLED PRIOR TO CONTINUING THE CONSTRUCTION.

FOLLOWING THE FINAL SETTING OF THE SITE WILL BE ASSIGNED TO ENSURE THAT THE VEGETATION HAS BEEN ESTABLISHED. REVEGETATION WILL BE CARRIED OUT WITH FOLLOW-UP INSPECTION, IN THE EVENT OF ANY UNDESIRABLE GROWTH.

15. IF A CONSTRUCTION SITE IS NOT STABILIZED WITH PAVEMENT, A ROAD GRAVEL BASE, 75% MATURE VEGETATION COVER OR RIP RAP BY NOVEMBER 15, THE SITE SHALL BE PROTECTED WITH OVER-WINTER STABILIZATION. AN AREA IS CONSIDERED OPEN IS ANY AREA NOT STABILIZED WITH PAVEMENT, VEGETATION, MULCHING, EROSION CONTROL MIX, EROSION CONTROL MATS, RIP RAP OR GRAVEL BASE ON A ROAD.

[illegible]

THE STUDENT ASSURES THAT, IN CONNECTION WITH THE STUDENT'S CONTROL OF ANY OTHER REGISTERED ELEMENTS, THE STUDENT'S CONTROL OF ANY SUCH OTHER REGISTERED ELEMENTS WILL BE EXERCISED IN ACCORDANCE WITH THE RULES OF THE PATENT OFFICE AND IN ACCORDANCE WITH THE RULES OF THE PATENT OFFICE.

[illegible]

4. SOIL STOCKPILE: SOIL STOCKPILE OF SOIL OR SUBSOIL SHALL BE MULCHED FOR OVER WINTER PROTECTION WITH HAY OR STRAW AT THREE TIMES THE NORMAL RATE ON A FOUR INCH LAYER OF EROSION CONTROL MIX. THIS SHALL BE ACCOMPLISHED WITHIN TWENTY FOUR HOURS OF STOCKPILING AND RE-ESTABLISHED PRIOR TO AND MAINTAIN FOR SNOWFALL. ANY SOIL STOCKPILE NOT BE PLACED (EVEN COVERED WITH MULCH) WITHIN 100 FEET FROM ANY NATURAL RESOURCES.

[illegible]

6. BRANCH DRAINAGE AND TEMPORARY STREAM DIVISION
WATER FLOW CONSTRUCTION THROUGH DRAINAGE OR TEMPORARY STREAM
DIVISION SHALL PASS FIRST THROUGH A FILTER BAG OR SECONDARY
DIVISION OF DISCHARGE CANALS MADE FROM ROCK OR GRAVEL
DRAINAGE AND TEMPORARY DISCHARGE TO A PROTECTED FLOODING
AREA, AND TEMPORARY DISCHARGE TO A PROTECTED RESIDENCE, IN NO CASE
LESS THAN THE FILTER BAG OR TEMPORARY STRUCTURE BE LOCATED WITHIN
50 FEET OF A PROTECTED NATURAL RESOURCE.

2. STANDARDIZE THE LINEAR STABILIZATION OF DITCHES AND CHANNELS: THE CONTRACTOR SHALL CONSTRUCT AND STABILIZE ALL STONE-LINED DITCHES AND CHANNELS ON THE SITE BY NOVEMBER 15TH OF THE CONTRACT YEAR. THE CONTRACTOR SHALL CONSTRUCT AND STABILIZE ALL GRASS-LINED DITCHES AND CHANNELS BY SEPTEMBER 1ST. IF THE CONTRACTOR FAILS TO STABILIZE DITCHES AND CHANNELS BY SEPTEMBER 1ST, THEN THE CONTRACTOR SHALL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE DITCH FOR LATE FALL AND WINTER:

A) INSTEAD A SOD LUNING IN THE DITCH: THE CONTRACTOR SHALL LINE THE DITCH WITH PROPERLY INSTALLED SOD. BY OCTOBER 1, PROVECTOR INSTALLATION, INCLUDING THE APPLICANT PLANTING THE SOD INTO THE SOIL, WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL, AND ANCHORING THE SOD WITH JUTE OR PLASTIC MESH TO PREVENT THE SOD STRIPS FROM SLIDING DURING LOW CONDICTIONS.

b) WITH A STONE LANDING IN THE DITCH, THE CONTRACTOR SHALL LINE THE DITCH WITH STONE, REPAVED BY HANDS, TO THE CONVECTOR SHALL, HINGE A REGENERATED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE AND LANDING THICKNESS NEEDED TO WITHSTAND THE ANTICIPATED FLOW VELOCITIES AND LANDING DEPTHS WITHIN THE DITCH. IF NECESSARY, THE CONTRACTOR SHALL REPAVED THE DITCH PRIOR TO PLACING THE STONE, MAKING SURE AS TO PREVENT THE STONE LANDING FROM REDUCING THE DITCH'S CROSS-SECTIONAL AREA.

9. STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SLOPES: THE CONTRACTOR SHALL CONSTRUCT AND STABILIZE STONE-COVERED SLOPES BY NOVEMBER 15TH. THE CONTRACTOR SHALL STED AND MULCH ALL SLOPES TO BE REVEGATED BY SEPTEMBER 1ST. THE DEPARTMENT WILL REVEGETATE ANY SLOPE TO BE STABILIZED BY SEPTEMBER 1ST. IF THE CONTRACTOR FAILS TO STABILIZE ANY SLOPE TO BE STABILIZED BY SEPTEMBER 1ST, THEN THE CONTRACTOR SHALL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SLOPE FOR LATE FALL AND WINTER:

A) STABILIZE THE SOIL WITH TEMPORARY VEGETATION AND EROSION CONTROL. DATE: BY: OCTOBER 151. THE CONTRACTOR SHALL SEED THE DISTURBED SLOPE WITH WHITE RYE AT A SEEDING RATE OF 3 POUNDS PER 100 SQUARE FEET. THE CONTRACTOR SHALL COVER THE SLOPE WITH A MULCHED SLOPE PROTECTIVE SALT CRACKER SOIL CONDITIONER OVER THE ENTIRE SLOPE. THE CONTRACTOR SHALL COVER THE SLOPE WITH ONE INCHES OR FALS TO COVER AT LEAST 75% OF THE DISTURBED SLOPE BY NOVEMBER 151. MEAN THE CONTRACTOR SHALL COVER THE SLOPE WITH A LAYER OF EROSION CONTROL MAT AS DESCRIBED IN ITEM "C" OF THIS STANDARD, OR WITH STONE RIPRAP AS DESCRIBED IN ITEM "D" OF THIS STANDARD.

4) STABILIZE THE SLOPE WITH SOD. THE CONTRACTOR SHALL STABILIZE THE DISTURBED SLOPE WITH PROPERLY INSTALLED SOD BY OCTOBER 15. PROPER INSTALLATION INCLUDES THE CONTRACTOR PINNING THE SOD ONTO THE SLOPE WITH WIDE PINS, HOLDING THE SOD TO GUARANTEED CONTACT BETWEEN THE SOD AND UNDISTURBED SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL. THE CONTRACTOR SHALL NOT USE LATE-SEASON SOD INSTALLATION TO STABILIZE SLOPES HAVING A SLOPE GREATER THAN SIX (6%) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.

c) STABILIZE THE SLOPE WITH EROSION CONTROL. MAKE THE COMPLETED SLOPE FACE PROTECTIVE COVERING THE SOILS BY NOVEMBER 15TH. PRIOR TO PLACING THE EROSION CONTROL, REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED SLOPE. THE CONTRACTOR SHALL NOT USE EROSION CONTROL MAT TO STABILIZE SLOPES HAVING GRADES GREATER THAN 50% (3H:1V) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.

9. STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SOILS. BY SEPTEMBER 15TH, THE CONTRACTOR SHALL REED AND REPAIR ALL DISTURBED SOILS ON AREAS HAVING A SLOPE LESS THAN 1% IF THE

THE CONTRACTOR SHALL STABILIZE THESE SOILS BY THIS DATE. THEN THE CONTRACTOR SHALL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SOIL FOR DATE TILL AND WINTER.

A) STABILIZE THE SOIL WITH TEMPERARY VEGETATION BY OCTOBER 15. THE CONTRACTOR SHALL SEED THE DISTURBED SOIL WITH GRASS SEED AT THE SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET. UPLIFT WILCH THE SEEDING SOIL WITH AER OR STIMM AT 75 POUNDS PER 1000 SQUARE FEET. AND AROUND THE WILCH WITH PLASTIC NETTING. THE CONTRACTOR SHALL

b) STABILIZE THE SOIL WITH SOO: THE CONTRACTION SHALL STABILIZE THE DISTURBED SOIL WITH PROPERLY INSTALLED SOO BY OCTOBER 1ST. PROPER INSTALLATION INCLUDES THE CONTRACTOR PILING THE SOO ONTO THE EXISTING SOIL SURFACE TO A MINIMUM OF 12 INCHES. THE SOO SHALL BE PLACED IN THE AREA FOR OVER-WINTER PROTECTION AS DESCRIBED IN ITEM "C" OF THIS STANDARD.

c) STABILIZE THE SOIL WITH MULCH: BY NOVEMBER 15TH, THE CONTRACTOR SHALL MULCH THE DISTURBED SOIL BY SPREADING HAY OR STRAW TO A DEPTH OF 2 INCHES. 150 POUNDS PER 1,000 SQUARE FEET ON THE SOIL SURFACE SHALL BE USED. THE CONTRACTOR SHALL REMOVE ANY MULCH THE CONTRACTOR SHALL REMOVE ANY SNOW OR ACCUMULATION ON THE DISTURBED AREA IMMEDIATELY AFTER AVOIDING THE

10. INSPECTION AND MONITORING.
MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION SEASON, AFTER EACH RAINFALL, SNOW THROW OR PERIOD OF THAWING AND REFROE. THE SILE CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL MEASURES AND REPORTING REPAIRS AS NEEDED TO INSURE THEIR CONTINUOUS FUNCTION.

COVERED THE LAND SURFACE AND ON PINUS, SELAGNE AND METCHO. THE COVERING WAS NOT UNIFORM, BUT THE SPOTS OF PINUS WERE COVERED BY A MINIMUM OF 25 TO 90 % OF AREAS VEGETATED WITH VARIOUS GROWTH.

THE EQUIPMENT ANTICIPATED TO BE USED FOR THE CONSTRUCTION INCLUDES THE FOLLOWING: BACKHOES, BULLDOZERS, LOADERS, TRUCKS, CRANES, COMPACTORS, AND GRADERS. THE FOLLOWING MEASURES WILL BE UNDERTAKEN TO PROVIDE MAXIMUM PROTECTION TO THE SOIL, WATER, AND ADJUTING LANDS:

INCLUDES THE FOLLOWING: BACKHOES, BULLDOZERS, LOADERS, TRUCKS, GRAPES, COMPACTORS, AND GRADERS. THE FOLLOWING MEASURES WILL BE UNDERTAKEN TO PROVIDE MAXIMUM PROTECTION TO THE SOIL, WATER, AND RESULTING LANDS:

1. PRIOR TO BEGINNING OR ANY FARMHOUSING OPERATION, SITUATION ETC WILL BE INSTALLED ACROSS THE SCOPE ON THE CONTIGUAT AT THE DOWN END OF THE WORK AS PROTECTION AGAINST CONSTRUCTION RELATED EROSION

3. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA WILL BE COMPLETE WITHIN SEVEN CALENDAR DAYS AFTER FINAL GRADING HAS BEEN COMPLETED. WHEN IT IS NOT POSSIBLE OR PRACTICAL TO PERMANENTLY STABILIZE DISTURBED LAND, TEMPORARY EROSION CONTROL MEASURES WILL BE IMPLEMENTED WITHIN SEVEN CALENDAR DAYS OF EXPOSURE OF SOIL. DISTURBED AREAS WILL BE MULCHED FOR EROSION CONTROL UNTO COMPLETION OF ROUGH GRADING.

4. ANY EXPOSED SLOPES GREATER THAN 3:1 AND NEWLY CONSTRUCTED DRAINAGE SWALES WILL BE STABILIZED WITH EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION AND TO FACILITATE REVEGETATION AFTER LOADING AND SETBACK.

5. TO PROVIDE PROTECTION AGAINST EROSION, RIPRAP WILL BE PLACED AT STORM DRAIN INLETS AND OUTLETS AS SHOWN ON THE ATTACHED DRAWING.

6. IN AREAS OF CONSTRUCTION DEMANDING, ISOLATED SETTLEMENT TENDS

7. MAINE TOPSOIL SHALL BE SAVED, STOCKPILED, MULCHED, AND REUSED AS FAR AS POSSIBLE ON THE SITE. STATION FENCE SHALL BE INSTALLED AT THE BASE OF STOCKPILES AT THE DOWNSHILL LIMIT TO PROTECT ADJACENT STOCKPILES AS THEY ARE STABILIZED BY SEEDING AND MULCHING. EROSION REVERSING CHANNEL COURSE.

5. ALL SLOTTED FENCE AND MAY BEE BARBERS WILL BE INSPECTED BY CONTRACTOR ON A WEEKLY BASIS OR FOLLOWING ANY SIGNIFICANT WIND (1/2 INCH OR MORE) OR SNOWFALL. ALL DAMAGED EROSION CONTROL DEVICES WILL BE REPAIRED AND/OR REPLACED IMMEDIATELY. TRIMMED SEDIMENT WILL BE REMOVED BEFORE IT WAS ACCUMULATED TO OVERFLOW.

9. IF FINAL SETTING OF THE DISTURBED AREAS IS NOT COMPLETED BY SEPTEMBER 15 OF THE YEAR OF CONSTRUCTION, THEN WITHIN THE NEXT CALENDAR DAYS THESE AREAS WILL BE GRADED AND SMOOTHED, THEN SEEDING TO A WINTER COVER CROP OF RYE AT A RATE OF 3 LBS PER 1,000 SQ. FT. THE FOLLOWING WILL BE INCORPORATED INTO THE SOIL, REPAIRED AND/OR REPLACED AS NECESSARY:

1.000 SQ. FT., FOLLOWED BY A 10-10-10 FERTILIZER AT A RATE OF 1.000 SQ. FT., FOLLOWING SEEDING; IF THE SEEDING WAS COMPLETED BY OCTOBER 3, THEN ON THAT DATE ANY MULCH SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE TO PROVIDE PROTECTION, IF THE DOES NOT HAVE ADEQUATE GROWTH BY NOVEMBER THEN ON THAT DATE, ANY MULCH SHALL BE APPLIED AT THE RATE OF 1.000 SQ. FT., A SUFFICIENT BANDER, SUCH AS CHESLOR OR A PUS SHALL BE USED ON ANY MICH FOR WIND CONTROL. HYDROSEEDING

11. SHOULD CONSTRUCTION OCCUR AFTER NOVEMBER 15, ADDITIONAL FROST CONTROL METHODS WILL BE IMPLEMENTED. ALL DISTURBED AREAS WILL BE REVEGETATED AS MUCH AS POSSIBLE PRIOR TO FREEZING. ADDITIONAL MINORIZED AREAS WILL BE REVEGETATED.

EROSION CONTROL DEVICES WILL BE INSTALLED AS APPROPRIATE. INSECTICIDES AND FERTILIZERS WILL BE APPLIED TO MAINTAIN VEGETATION. ATTENTION PAID TO WEATHER PREDICTIONS TO ENSURE THAT THESE MEASURES ARE PROPERLY IN PLACE TO HANDLE LARGE AMOUNTS OF RAINFALL FROM HEAVY SPANS OR TOWNS.

THIS PLAN HAS BEEN DEVELOPED TO PROMOTE A STRATEGY FOR CONTROLLING SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE PROPOSED DEVELOPMENT. THIS PLAN IS BASED ON STANDARDS AND SPECIFICATIONS FOR EROSION PREVENTION IN DEVELOPING AREAS AS CONTAINED IN STORMWATER MANAGEMENT EROSION AND SEDIMENT CONTROL HANDBOOK FOR URBAN AND DEVELOPING AREAS, IN WASH. BEST MANAGEMENT PRACTICES, MARCH 2003.

CONSIDERATION OF THE PROPOSED DEVELOPMENT, THIS PLAN IS BASED ON STANDARDS AND SPECIFICATIONS FOR EROSION PREVENTION IN DEVELOPING AREAS AS CONTAINED IN STORMWATER MANAGEMENT EROSION AND SEDIMENT CONTROL HANDBOOK FOR URBAN AND DEVELOPING AREAS, IN VOLUME: BEST MANAGEMENT PRACTICES MARCH 2003

UPON COMPLETION OF SITE CONSTRUCTION, ALL AREAS PREVIOUSLY DISTURBED WILL BE TREATED AS STATED BELOW. THESE AREAS WILL BE CLOSELY MONITORED BY THE CONTRACTOR UNTIL SUCH TIME AS A SATISFACTORY GROWTH OF VEGETATION IS ESTABLISHED.

UPON COMPLETION OF SITE CONSTRUCTION, ALL AREAS PREVIOUSLY DISRUBBED WILL BE TREATED AS STATED BELOW. THESE AREAS WILL BE CLOSELY MONITORED BY THE CONTRACTOR UNTIL SUCH TIME AS A SATISFACTORY GROWTH OF VEGETATION IS ESTABLISHED.

1. LOAM WILL BE SPREAD OVER ALL DISTURBED AREAS AND GRADED TO A UNIFORM DEPTH OF 4 INCHES.
2. THE FOLLOWING WILL BE INCORPORATED INTO THE SOIL PRIOR TO SEEDING AGRICULTURAL LIMESTONE AT THE RATE OF 120 POUNDS PER 1,000 SQUARE FEET, FOLLOWED BY 10-TO-10 FERTILIZER AT THE RATE OF 14 POUNDS PER 1,000 SQUARE FEET.

3. DISTURBED AREAS WILL BE SEEDED AT THE RATE OF 100 LBS./ACRE OF MIXED SLOPE SEED TYPE 44 AND 20 LBS./ACRE OF CROWN VETCH.
4. SEEDING WILL BE COMPLETED BETWEEN THE DATES OF APRIL 1 AND SEPTEMBER 15. WATERING MAY BE REQUIRED DURING DRY PERIODS.
5. FAY WHICH WILL BE APPLIED AT THE RATE OF 100 LBS. PER 1,000 SQ. YD. FOLLOWING SEEDING. WHICH SHALL BE ANCHORED BY WATERING ONCE.

6. ALL STEADMENT CONSTRUCTION STRUCTURES WILL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED. ESTABLISHED MEANS A MINIMUM OF 75% OF THE AREA IS VEGETATED WITH WIGOROUS GROWTH.

[illegible]