



**US Army Corps
of Engineers®
New England District**

696 Virginia Road
Concord, MA 01742-2751

PUBLIC NOTICE

Date: 2 February 2010

Comment Period Ends: 5 March 2010

File Number: NAE 2004- 00102

In Reply Refer To: Mr. Brian E. Valiton

Or by e-mail: brian.e.valiton@usace.army.mil

The District Engineer has received a permit application from the applicant below to conduct work in waters of the United States as described below.

APPLICANT: New Bedford Regional Airport Commission (City of New Bedford owner)

ACTIVITY: To place fill in a total of 7.89 acres of waters of the United States, including wetlands, that are part of the Apponagansett Swamp for runway safety improvements at the New Bedford Regional Airport to bring the airport closer to required FAA runway safety standards. The applicant is also proposing mitigation at a greater than 2 : 1 ratio for the loss of the functions and values of the aquatic resources (mostly wetlands with some open water area) that will be filled. A total of 7.72 acres of wetlands will be filled and .17 acres of open water ditches on the site. The applicant is proposing to construct a total of 18.49 acres of replacement wetlands at areas 5, 6, and 10 on airport property. On March 1, 2005 the Corps issued a public notice seeking comment on a much larger airport improvement project which is not being pursued.

A detailed description and plans of the activity are attached.

WATERWAY AND LOCATION OF THE PROPOSED WORK

This work is proposed in the Apponagansett Swamp that is part of the headwaters of the Paskamansett River and adjacent wetlands at 1569 Airport Road, New Bedford, Massachusetts. The proposed location on the USGS New Bedford North quadrangle sheet is at UTM zone 19 coordinates 4614750.00 N and 0336400.00 E

AUTHORITY

Permits are required pursuant to:

- Section 10 of the Rivers and Harbors Act of 1899
 Section 404 of the Clean Water Act
 Section 103 of the Marine Protection, Research and Sanctuaries Act).

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

CENAE-R
FILE NO. NAE-2004-102

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. A final Environmental Impact Statement (EIS) pursuant to the National Environmental Policy Act has been prepared for this project (dated January 2009) and on January 5, 2009 the FAA determined that the proposed project is consistent with existing national environmental policies and objectives as set forth in Section 101(a) of the National Environmental Policy Act of 1969. As mentioned above, the Corps conducted a public interest review process and jointly held a public hearing with the FAA on an earlier project proposal at this airport with much greater impact on the aquatic environment. Even though this latest proposal is much reduced in size and impact, due to the considerable length of time that has passed, a new public notice is warranted.

Based on his initial review, the District Engineer has determined that little likelihood exists for the proposed work to impinge upon properties with cultural or Native American significance, or listed in, or eligible for listing in, the National Register of Historic Places. Therefore, no further consideration of the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, is necessary. This determination is based upon one or more of the following:

- a. The permit area has been extensively modified by previous work.
- b. The permit area has been recently created.
- c. The proposed activity is of limited nature and scope.
- d. Review of the latest published version of the National Register shows that no presence of registered properties listed as being eligible for inclusion therein are in the permit area or general vicinity.
- e. Coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s)

The States of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island have approved **Coastal Zone Management Programs**. Where applicable the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this Public Notice, we are requesting the State concurrence or objection to the applicant's consistency statement.

The following authorizations have been applied for, or have been, or will be obtained:

- (X) Permit, License or Assent from State.
- (X) Permit from Local Wetland Agency or Conservation Commission.
- (X) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. **Comments should be submitted in writing by the above date.** If you have any questions, please contact Mr. Brian Valiton at (978) 318-8166, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a

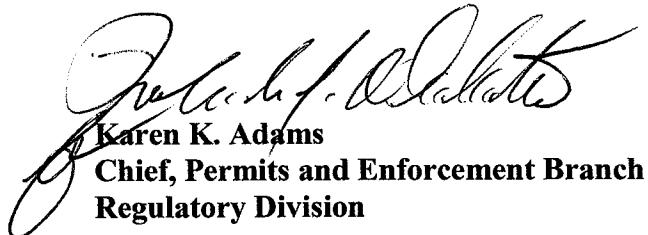
CENAE-R
FILE NO. NAE-2004-102

public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

In accordance with 33 CFR 325.2(a)(8), we publish monthly a list of permits issued or denied during the previous month at www.nae.usace.army.mil/reg, under the heading "Monthly General and Individual Permit Authorizations." Relevant environmental documents and the SOFs or RODs are available upon written request and, where applicable, upon the payment of administrative fees. Also visit www.nae.usace.army.mil for more information on the New England District Corps of Engineers programs.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.



Karen K. Adams
Chief, Permits and Enforcement Branch
Regulatory Division

If you would prefer not to continue receiving Public Notices, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: _____
ADDRESS: _____

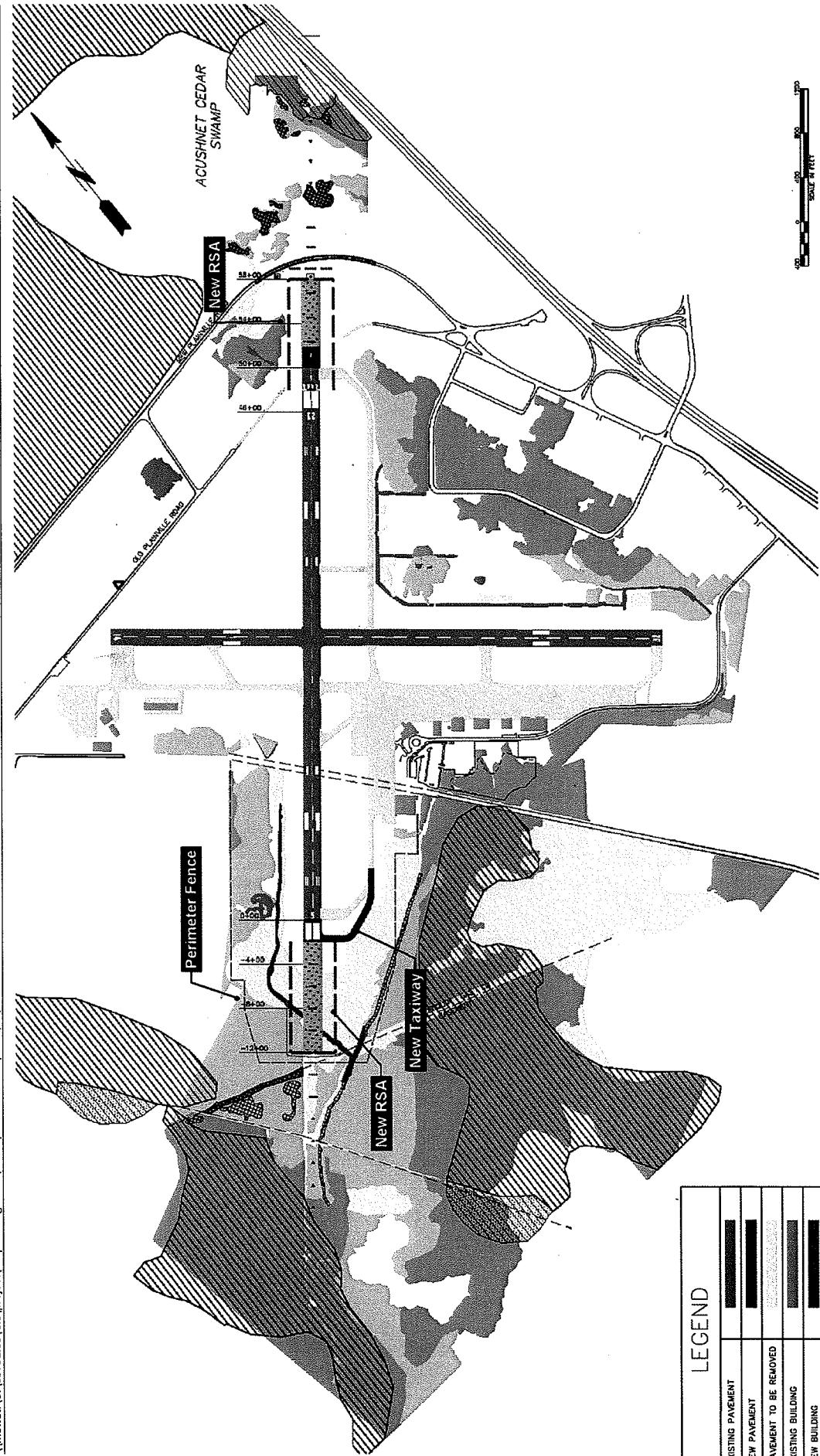
PROPOSED WORK AND PURPOSE

The work includes the discharge of fill material into 7.89 acres of waters of the United States, including wetlands, for the purpose of making airport safety improvements at New Bedford Regional Airport. The work includes reconstructing portions of Runway 5-23, constructing runway safety areas (RSAs), vegetation management and mitigation.

The work is described on the enclosed plans entitled "NEW BEDFORD REGIONAL AIRPORT IMPROVEMENTS PROJECT AT: NEW BEDFORD IN: BRISTOL COUNTY MASSACHUSETTS," on 2 sheets, and dated "July 2009", with a separate cross-section view sheet titled "Runway 5 End Cross Section APPLICATION BY: VHB AT: New Bedford Regional Airport IN: New Bedford Bristol County Commonwealth of Massachusetts" and dated January 2010, and with the proposed mitigation described on a set of plans titled APPLICATION BY NEW BEDFORD AIRPORT AT: NEW BEDFORD REGIONAL AIRPORT IN: NEW BEDFORD BRISTOL COUNTY COMMONWEALTH OF MASSACHUSETTS" 8 sheets and dated "December 2009".

MITIGATION – The applicant's proposal has gone through numerous iterations and has reduced the adverse impacts to wetlands to that minimally necessary to implement the minimal level of Runway Safety Improvements required by the FAA. The mitigation has been developed through numerous meetings and extensive analysis to compensate for the functions and values lost as a result of the aquatic areas that must be filled.

The 18.49 acres of replacement wetlands to be created out of existing upland areas are directly bordering areas to be impacted by the proposed work and are connected to the impacted wetlands.



LEGEND

EXISTING PAVEMENT	[REDACTED]	RUNWAY SAFETY AREA	[REDACTED]
NEW PAVEMENT	[REDACTED]	PROPERTY LINE	[REDACTED]
PAVEMENT TO BE REMOVED	[REDACTED]	RIVER STREAMS	[REDACTED]
EXISTING BUILDING	[REDACTED]	OPEN WATER	[REDACTED]
NEW BUILDING	[REDACTED]	WETLANDS, EMERGENT	[REDACTED]
LAND ACQUISITION	[REDACTED]	WEILANDS, SCRUB SHRUB	[REDACTED]
	[REDACTED]	WEILANDS, FORESTED	[REDACTED]
	[REDACTED]	FOUR-LEGGED SALAMANDER HABITAT	[REDACTED]
	[REDACTED]	COASTAL STRAP AMPHIBIAN HABITAT	[REDACTED]

Vanasse Hangen Brustlin, Inc.

At: New Bedford
IN: Bristol County,
Massachusetts

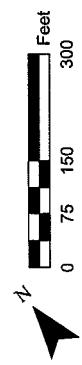
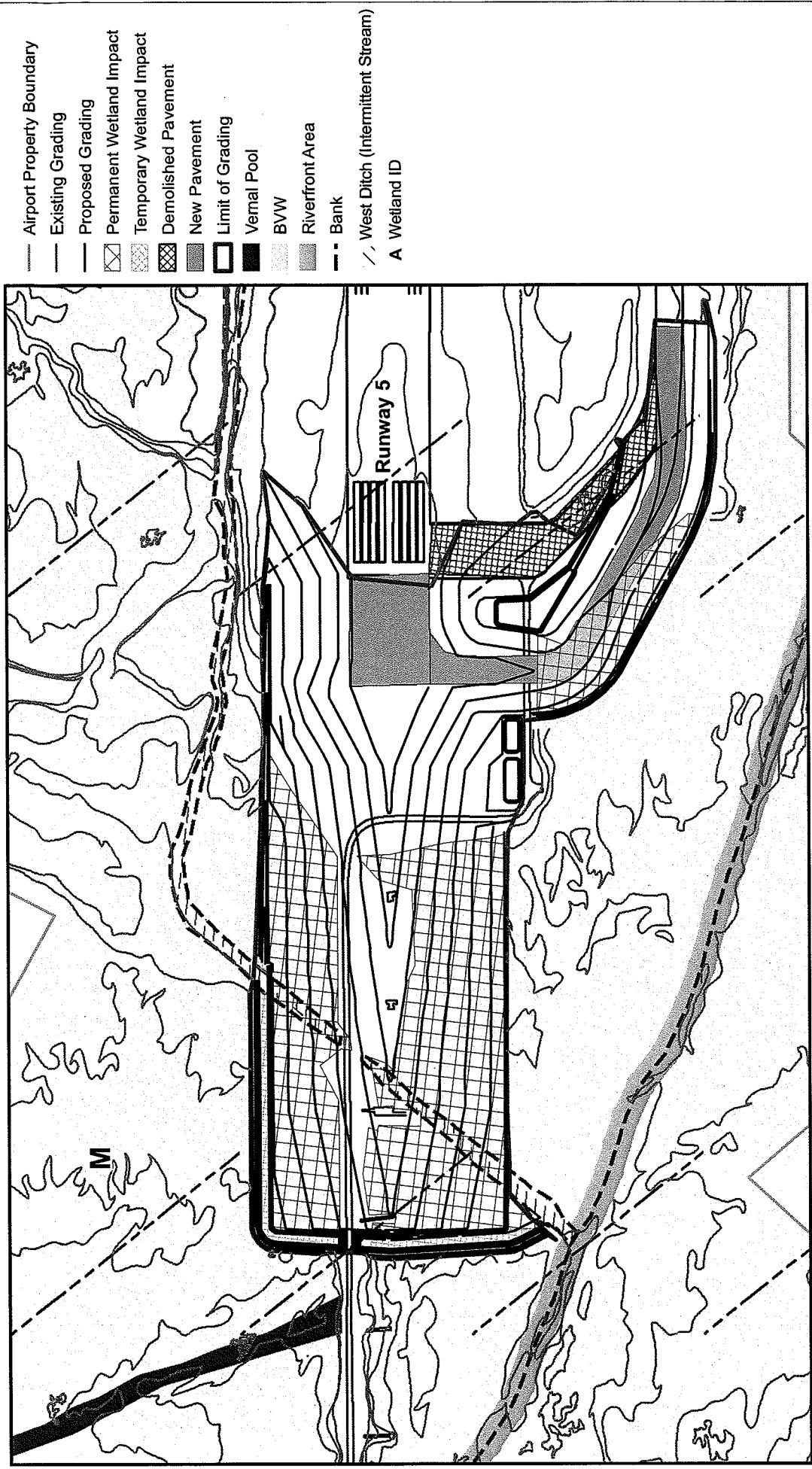
101 Walnut Street, Watertown, MA 02471

NEW BEDFORD REGIONAL AIRPORT IMPROVEMENTS PROJECT
Proposed Project

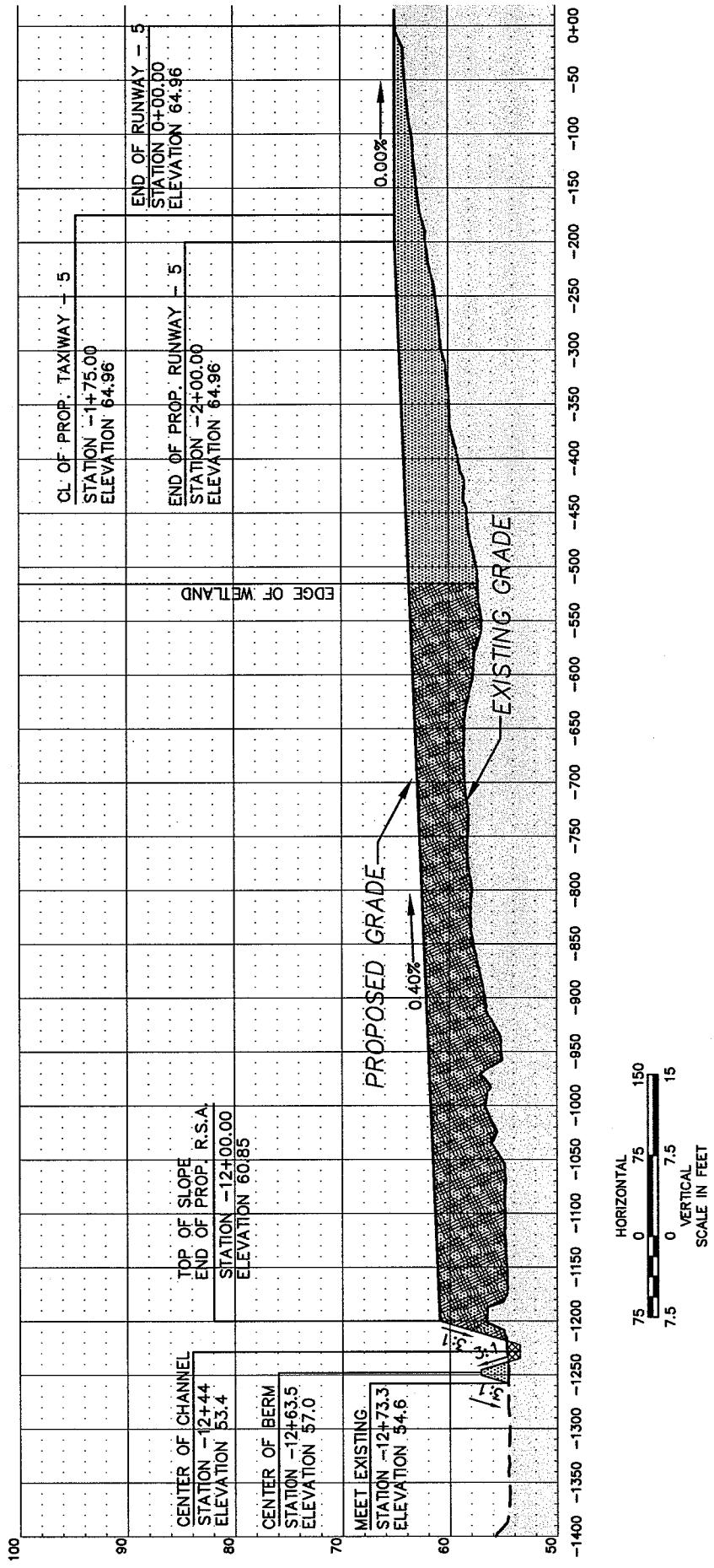
Proposed Project

APPLICATION BY:

Vanasse Hangen Brustlin, Inc. 1 of 2



NEW BEDFORD REGIONAL AIRPORT IMPROVEMENTS PROJECT Wetland Impacts, Runway 5 End	DATE July 2009
APPLICATION BY: Vanasse Hangen Brustlin, Inc.	SHEET 2 of 2
AT: New Bedford IN: Bristol County, Massachusetts	101 Walnut Street, Watertown, MA 02471



Runway 5 End Cross Section		DATE
		January, 2010
Transportation Land Development Environmental Services	APPLICATION BY:	SHEET OF
VHB	New Bedford Regional Airport IN: New Bedford Bristol County Commonwealth of Massachusetts	3 3

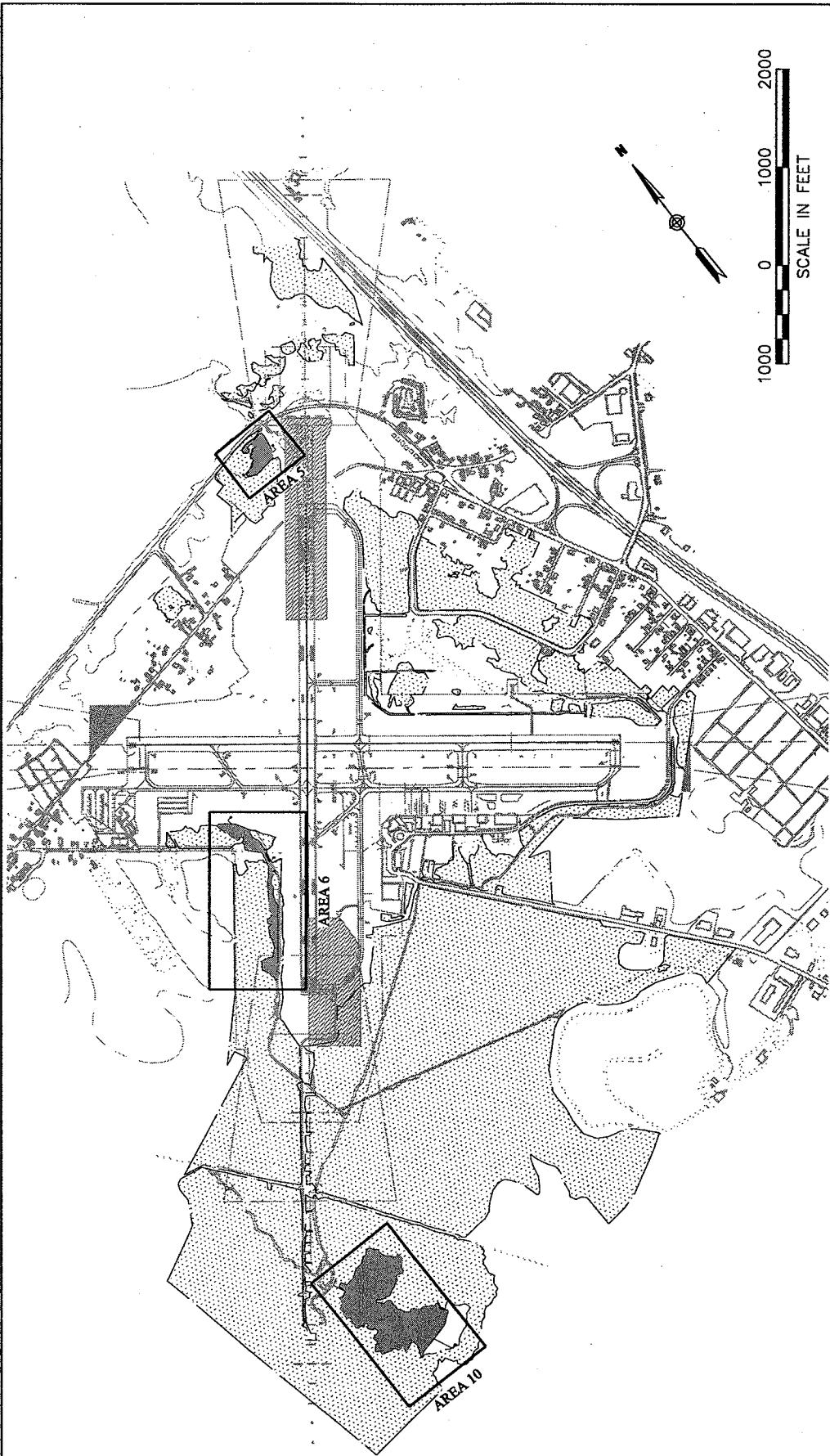


Vanasse Hangen Brustlin, Inc.
101 Walnut Street, P.O. Box 9151
Watertown, MA 02471
617 924-1770 - FAX 617 924-2286

APPLICANT:

AT:

New Bedford Regional Airport
IN: New Bedford
Bristol County
Commonwealth of Massachusetts



KEY SHEET		DATE December, 2008
APPLICATION BY: NEW BEDFORD AIRPORT		SHEET OF 1 8
Transportation Land Development Environmental Services 10. Walnut Street, P.O. Box 9151 Watertown, MA 02471 617-924-1770 - FAX 617-924-2286	VHIB Verdease Hargem Brustein, Inc.	

Construction Notes:

1. ORANGE CONSTRUCTION FENCE AND A SINGLE ROW OF STAKED HAY BALES (EROSION CONTROL BARRIER) WILL BE INSTALLED ALONG THE BORDER OF THE WETLAND REPLACEMENT AREA. HAY BALES SHALL BE TIGHTLY BUTTED TO THE ADJACENT BALES, AND STAKED WITH TWO 1-INCH BY 3-FOOT STAKES SPACED EVENLY IN THE BALE AND DRIVEN SOLIDLY INTO THE UNDERLYING MATERIAL. THIS SHALL SERVE AS THE LIMIT OF WORK LINE.
2. THE REPLACEMENT AREAS WILL BE CLEARED AND GRUBBED. ALL TREES, STUMPS, BRUSH, AND OTHER VEGETATION SHALL BE REMOVED FROM THE AREA THAT WILL BE AFFECTED BY THE PROJECT. THESE ARE NOT TO BE STOCKPILED IN THE RESOURCE AREAS OR BUFFER ZONE WHILE AWAITING DISPOSAL.
3. THE PROPOSED WETLAND AREAS SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 12 INCHES BELOW THE FINISHED GRADE SHOWN ON THE PLAN. A BARRIER OF HAY BALES AND SILT FENCE AS SHOWN ON THE DRAWINGS SHALL SEPARATE ANY WETLAND RESOURCE AREA ADJACENT TO THE REPLACEMENT AREA FROM THE REPLACEMENT AREA. IN RESPONSE TO SUBSURFACE HYDROLOGIC CONDITIONS, THE WETLAND SCIENTIST MAY MAKE MINOR MODIFICATIONS TO THIS GRADING PLAN IN THE FIELD. THE SUPERVISING WETLAND SCIENTIST WILL INSPECT THE SUB-GRADE OF THE REPLACEMENT AREAS TO ENSURE THAT THE PROPER HYDROLOGY HAS BEEN ESTABLISHED.
4. ALL SCRAPPED SOILS MUST BE STOCKPILED OUTSIDE THE RESOURCE AREA AT LEAST 100 FEET FROM THE EDGE OF THE WETLAND.
5. THE PROPOSED WETLAND AREAS SHALL BE BACKFILLED WITH HYDRIC (WETLAND) SOILS TO A MINIMUM DEPTH OF 12 INCHES. USABLE HYDRIC SOILS, AT LEAST 12 PERCENT ORGANIC CARBON CONTENT BY WEIGHT, WILL BE SPREAD IN THE WETLAND MITIGATION AREAS TO AN EVEN DEPTH. TO BRING THE WETLAND MITIGATION AREAS TO THE PROPOSED FINISHED GRADE, ADDITIONAL MANMADE HYDRIC SOILS WILL BE SPREAD OVER THE MOVED SOIL. THIS HYDRIC SOIL WILL BE MADE BY MIXING PLANTABLE SOIL BORROW OR LOAM WITH CLEAN LEAF COMPOST, WHICH HAS BEEN COMPOSTED FOR A MINIMUM OF THREE YEARS. IN AN 80:20 MIXTURE, THE SOIL MIXTURE WILL BE MIXED AND TESTED BEFORE PLACEMENT. COMMERCIALLY PACKAGED PEAT FROM SEDGE, SPHAGNUM, OR REED SOURCES SHALL NOT BE USED AS A TOPSOIL AMENDMENT. OTHER MATERIALS MAY BE USED IF APPROVED BY THE WETLAND SCIENTIST.
6. ONCE FINAL TOPSOIL IS IN PLACE, IT WILL BE GRADED TO ACHIEVE A SLIGHT HUMMOCK/HOLLOW MICROTOPOGRAPHY, SIMILAR TO THAT OF A NATURAL WETLAND SUBSTRATE. ADDITIONALLY, LOW SPOTS WILL BE CREATED WITHIN THE REPLACEMENT AREA TO PROVIDE TEMPORARY PONDING OF SURFACE WATERS. EXISTING WETLAND SOILS WILL NOT SUITABLE TO BE RE-USED BECAUSE OF THE PRESENCE OF PHRAGMITES DOMINATED SOILS.
7. THE WETLAND SOILS SHALL BE DEPOSITED IN THE REPLACEMENT AREA IN A MANNER MINIMIZING TRAVEL AND SUBSEQUENT COMPACTION OF THE UNDERLYING MATERIAL AND REPLACEMENT WETLAND SOILS.
8. ANY AREAS OF EXPOSED SOIL OR STOCKPILES THAT WILL REMAIN INACTIVE FOR MORE THAN 14 DAYS WILL BE COVERED WITH A LAYER OF STRAW MULCH APPLIED AT A RATE OF 90 POUNDS PER 1,000 SQUARE FEET. THE MULCH WILL BE ANCHORED WITH A TACKING COAT (NON-TAR) APPLIED BY A HYDROSEEDER. STEEPER SLOPES (GREATER THAN 10 PERCENT) WILL BE COVERED WITH A BONDED FIBER MATRIX (ECOCERAMIC OR SIMILAR) ACCORDING TO THE RECOMMENDATIONS PROVIDED BY THE MANUFACTURER.
9. IF CONDITIONS ALLOW, A TEMPORARY VEGETATIVE COVER WILL BE ESTABLISHED ON AREAS OF EXPOSED SOILS (INCLUDING STOCKPILES) THAT REMAIN UNSTABILIZED FOR A PERIOD OF MORE THAN 60 DAYS. THE SEEDED SURFACES WILL BE COVERED WITH A LAYER OF STRAW MULCH OR BONDED FIBER MATRIX AS DESCRIBED ABOVE. THE SEED MIX SHALL INCLUDE A BLEND OF RAPID-GERMINATING GRASSES THAT ARE INDIGENOUS TO SOUTHEASTERN MASSACHUSETTS.
10. ROCKS AND BOULDERS, UNCOVERED DURING THE EXCAVATION, MAY BE LEFT IN PLACE PROVIDED THAT THEY DO NOT SIGNIFICANTLY DECREASE THE PLANTABLE AREA OF THE REPLACEMENT AREAS. THESE ROCKS AND BOULDERS WILL BE PLACED IN SUCH A WAY AS TO PROVIDE CREVICES AND CAVITIES SUITABLE FOR USE BY WILDLIFE.
11. PRIOR TO PLANTING, COARSE WOOD DEBRIS OF DEAD AND DECAYING LOGS, BRANCHES, STUMPS, STANDING SNAGS AND OTHER NATURAL DEBRIS EXISTING WITHIN THE PROPOSED IMPACT AREAS, OR OTHER UPLAND AREAS PROPOSED TO BE DISTURBED, WILL BE RELOCATED TO THE REPLACEMENT AREAS TO PROVIDE BENEFICIAL HABITAT FEATURES FOR WILDLIFE. THIS MATERIAL WILL BE DISTRIBUTED TO COVER 2 PERCENT OF THE AREA'S SUBSTRATE SURFACE. FALLEN LOGS SHOULD BE OF VARYING SIZES AND IN VARYING DEGREES OF DECOMPOSITION, AS SHOWN ON THE DETAIL SHEET AND AS DETERMINED BY THE WETLAND SCIENTIST. SNAGS WILL BE ESTABLISHED WITHIN OR IMMEDIATELY ADJACENT TO THE REPLACEMENT AREAS. THESE MATERIALS WILL NOT INCLUDE SPECIES SHOWN ON THE USACE DRAFT LIST OF INVASIVE SPECIES.
12. AN EROSION CONTROL BARRIER OF STAKED HAY BALES WILL BE PLACED AROUND THE UPGRADED EDGE OF THE REPLACEMENT AREAS FOLLOWING COMPLETION OF GRADING AND SOIL PLACEMENT.
13. ALL PLANTING WILL BE PERFORMED IN THE SPRING (APRIL-15 TO JUNE-15) OR FALL (SEPTEMBER-1 TO OCTOBER-15). REPLACEMENT AREA PLANTINGS WILL TAKE PLACE ONCE THE ABOVE LISTED TASKS HAVE BEEN COMPLETED. THE

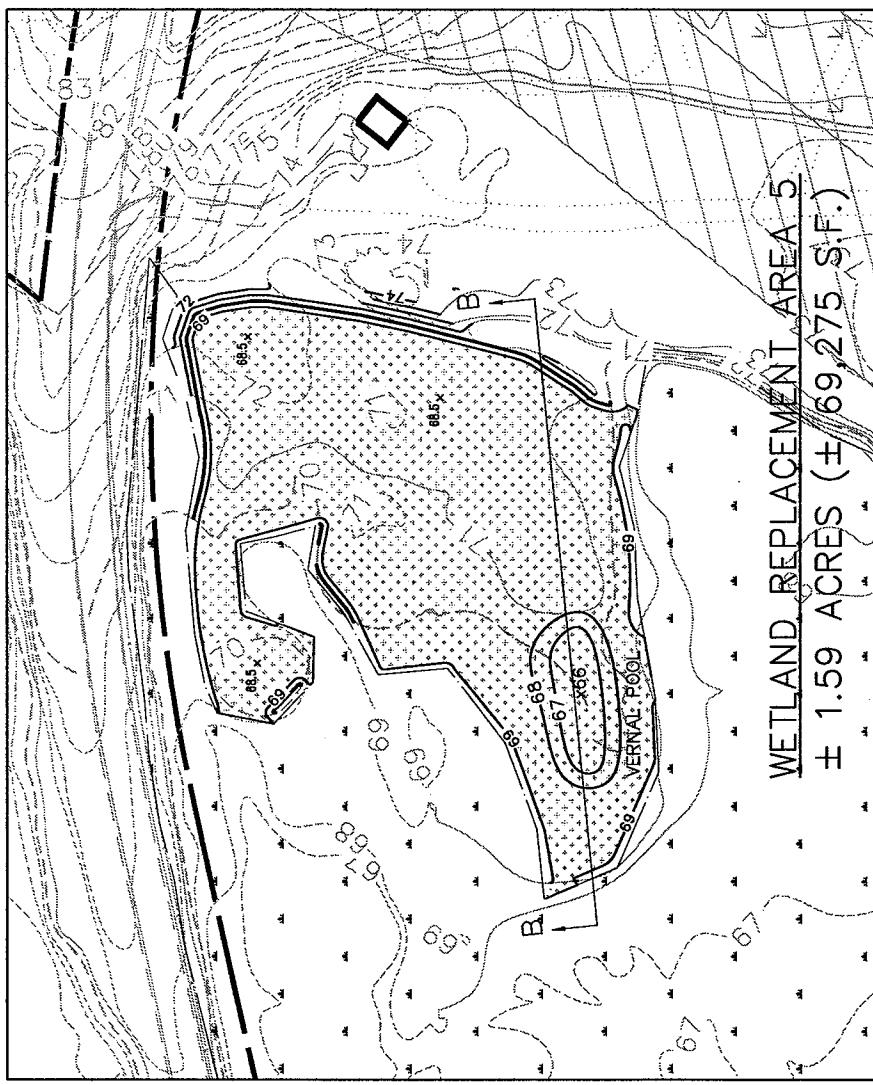
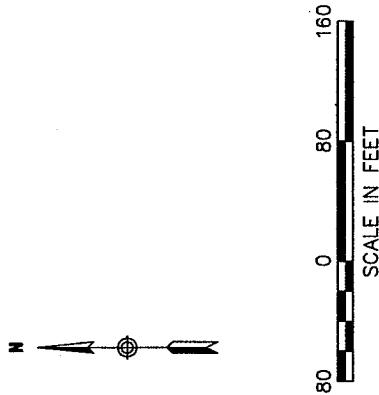
7. THE WETLAND SOILS SHALL BE DEPOSITED IN THE REPLACEMENT AREA IN A MANNER MINIMIZING TRAVEL AND SUBSEQUENT COMPACTION OF THE UNDERLYING MATERIAL AND REPLACEMENT WETLAND SOILS.
8. ANY AREAS OF EXPOSED SOIL OR STOCKPILES THAT WILL REMAIN INACTIVE FOR MORE THAN 14 DAYS WILL BE COVERED WITH A LAYER OF STRAW MULCH APPLIED AT A RATE OF 90 POUNDS PER 1,000 SQUARE FEET. THE MULCH WILL BE ANCHORED WITH A TACKING COAT (NON-TAR) APPLIED BY A HYDROSEEDER. STEEPER SLOPES (GREATER THAN 10 PERCENT) WILL BE COVERED WITH A BONDED FIBER MATRIX (ECOCERAMIC OR SIMILAR) ACCORDING TO THE RECOMMENDATIONS PROVIDED BY THE MANUFACTURER.
9. IF CONDITIONS ALLOW, A TEMPORARY VEGETATIVE COVER WILL BE ESTABLISHED ON AREAS OF EXPOSED SOILS (INCLUDING STOCKPILES) THAT REMAIN UNSTABILIZED FOR A PERIOD OF MORE THAN 60 DAYS. THE SEEDED SURFACES WILL BE COVERED WITH A LAYER OF STRAW MULCH OR BONDED FIBER MATRIX AS DESCRIBED ABOVE. THE SEED MIX SHALL INCLUDE A BLEND OF RAPID-GERMINATING GRASSES THAT ARE INDIGENOUS TO SOUTHEASTERN MASSACHUSETTS.
10. ROCKS AND BOULDERS, UNCOVERED DURING THE EXCAVATION, MAY BE LEFT IN PLACE PROVIDED THAT THEY DO NOT SIGNIFICANTLY DECREASE THE PLANTABLE AREA OF THE REPLACEMENT AREAS. THESE ROCKS AND BOULDERS WILL BE PLACED IN SUCH A WAY AS TO PROVIDE CREVICES AND CAVITIES SUITABLE FOR USE BY WILDLIFE.
11. PRIOR TO PLANTING, COARSE WOOD DEBRIS OF DEAD AND DECAYING LOGS, BRANCHES, STUMPS, STANDING SNAGS AND OTHER NATURAL DEBRIS EXISTING WITHIN THE PROPOSED IMPACT AREAS, OR OTHER UPLAND AREAS PROPOSED TO BE DISTURBED, WILL BE RELOCATED TO THE REPLACEMENT AREAS TO PROVIDE BENEFICIAL HABITAT FEATURES FOR WILDLIFE. THIS MATERIAL WILL BE DISTRIBUTED TO COVER 2 PERCENT OF THE AREA'S SUBSTRATE SURFACE. FALLEN LOGS SHOULD BE OF VARYING SIZES AND IN VARYING DEGREES OF DECOMPOSITION, AS SHOWN ON THE DETAIL SHEET AND AS DETERMINED BY THE WETLAND SCIENTIST. SNAGS WILL BE ESTABLISHED WITHIN OR IMMEDIATELY ADJACENT TO THE REPLACEMENT AREAS. THESE MATERIALS WILL NOT INCLUDE SPECIES SHOWN ON THE USACE DRAFT LIST OF INVASIVE SPECIES.
12. AN EROSION CONTROL BARRIER OF STAKED HAY BALES WILL BE PLACED AROUND THE UPGRADED EDGE OF THE REPLACEMENT AREAS FOLLOWING COMPLETION OF GRADING AND SOIL PLACEMENT.
13. ALL PLANTING WILL BE PERFORMED IN THE SPRING (APRIL-15 TO JUNE-15) OR FALL (SEPTEMBER-1 TO OCTOBER-15). REPLACEMENT AREA PLANTINGS WILL TAKE PLACE ONCE THE ABOVE LISTED TASKS HAVE BEEN COMPLETED. THE

14. PRIOR TO THE PLANTING STOCK DELIVERY TO THE SITE, THE SUPERVISING WETLAND SCIENTIST WILL VISIT THE NURSERY PROVIDING THE PLANTING STOCK TO ENSURE THAT THE SPECIMENS ARE HEALTHY, FREE OF DISEASE AND PESTS, CONTAIN A WELL DEVELOPED ROOT SYSTEM, AND ARE SUITABLE FOR USE WITHIN THE REPLACEMENT AREAS. UNSUITABLE SPECIMENS WILL BE REJECTED AND REPLACED WITH SUITABLE SPECIMENS. THE WETLAND SCIENTIST MUST APPROVE ANY PLANTING SUBSTITUTIONS. ALL WOODY PLANT STOCK WILL EITHER BE BARE-ROOT OR CONTAINER-GROWN.
15. PLANTING WITHIN THE REPLACEMENT AREAS WILL CONFORM TO THE PLANS OR WILL BE COMPLETED IN ACCORDANCE WITH DIRECTIONS PROVIDED IN THE FIELD. ONLY PLANT MATERIALS NATIVE AND INDIGENOUS TO THE REGION SHALL BE USED. SPECIES NOT SPECIFIED IN THE MITIGATION PLAN SHALL NOT BE USED WITHOUT WRITTEN APPROVAL FROM THE PERMITTING AGENCY.
16. ALL PLANTINGS TO BE SPACED RANDOMLY AT THE DIRECTION OF THE WETLAND SCIENTIST TO SIMULATE NATURAL GROWTH PATTERNS.
17. UPON COMPLETION OF PLANTING, THE REPLACEMENT AREAS WILL BE MULCHED WITH A 2 TO 3-INCH THICK LAYER OF LEAF LITTER OR OTHER NATURAL ORGANIC MATERIAL.
18. THE EROSION CONTROL BARRIERS WILL BE DISASSEMBLED AND PROPERLY DISPOSED OF BEFORE NOVEMBER 1ST OF THE THIRD FULL GROWING SEASON AFTER PLANTING OF THE REPLACEMENT AREAS. SEDIMENT COLLECTED BY THESE DEVICES WILL BE REMOVED AND DISPOSED OF IN A MANNER THAT PREVENTS EROSION AND TRANSPORT TO A WATERWAY OR WETLAND. IF MINOR GRADING IS REQUIRED IN THIS ZONE TO PROVIDE SURFACE HYDROLOGIC CONNECTION BETWEEN THE AREAS, IT WILL BE DONE BY HAND AND STABILIZED WITH MULCH.
19. THE REPLACEMENT AREAS WILL BE INSPECTED EACH FALL FOR INVASIVE OR UNWANTED PLANTS. IF INVASIVE SPECIES ARE FOUND, THEY WILL BE UPROOTED AND REMOVED FROM THE AREA, OR TREATED WITH HERBICIDE. INVASIVE PLANTS MAY INCLUDE PURPLE LOOSESTRIFE, REED CANARY GRASS, COMMON REED, AND GLOSSY BUCKTHORN.
20. SIDE SLOPES MUST BE STABILIZED WITH SEED MIX FROM ENGLAND/WILDFLOWE SEED MIX OR APPROVED EQUIVALENT TO ACHIEVE 100% COVER (NEW ENGLAND WETLAND PLANTS, INC.).

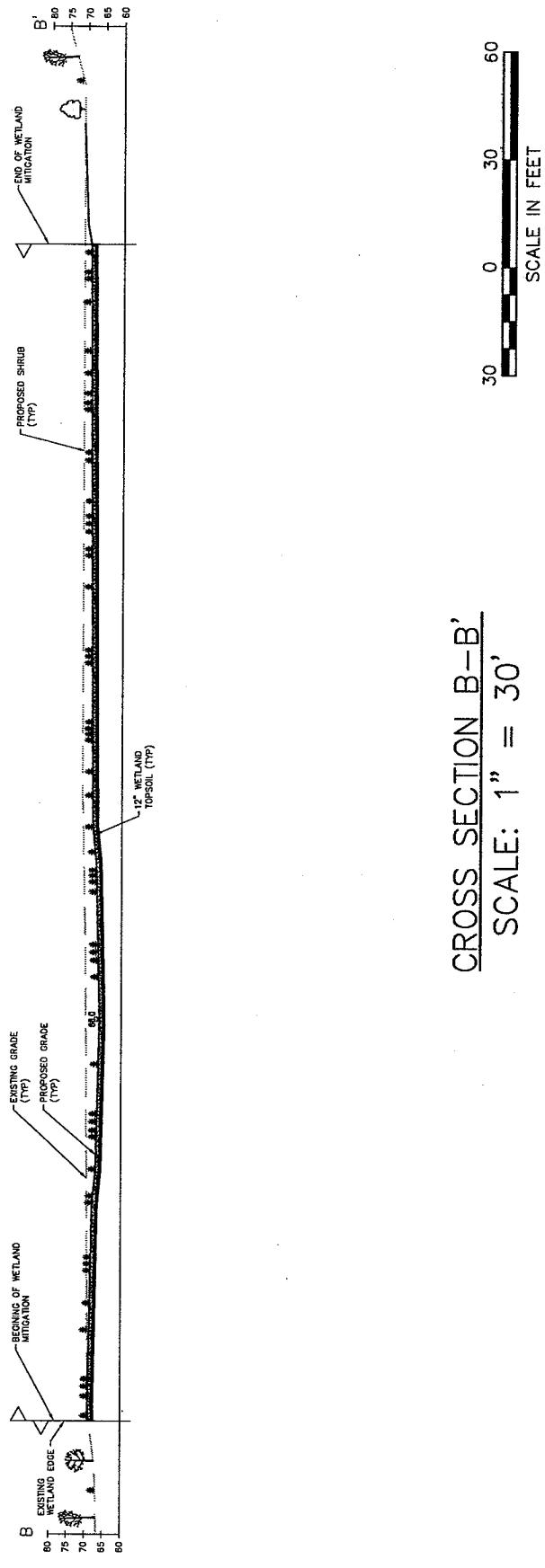
<p>VTHB</p> <p>Transportation Land Development Environmental Services</p> <p>101 Walnut Street, P.O. Box 9151 Watertown, MA 02471 617-924-1770 - FAX 617-924-2286</p> <p><i>Vanasse Hangen Brustlin, Inc.</i></p>	<p>CONSTRUCTION NOTES</p> <p>APPLICATION BY: NEW BEDFORD AIRPORT</p> <p>DATE: December, 2009</p> <p>SHEET 2 OF 8</p>
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**Wetland Replacement Area 5: Planting Specifications,
Shrub Swamp (PSS)**

Qty.	Botanical Name	Common Name	Size
10	SPIRAEA ALBA	MEADOWSWEET	18-24 INCHES
10	CLETHRA ALNIFOLIA	SWEET PEPPERMINT	18-24 INCHES
10	SPIRAEA TOMENTOSA	STEEP LEAFED	18-24 INCHES
10	CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	18-24 INCHES
10	ALNUS BERULATA	SPOTTED ALDER	18-24 INCHES
10	SALIX HUMILIS OR S. BEBBII	Fuzzy WILLOW	18-24 INCHES
500	TOTAL		



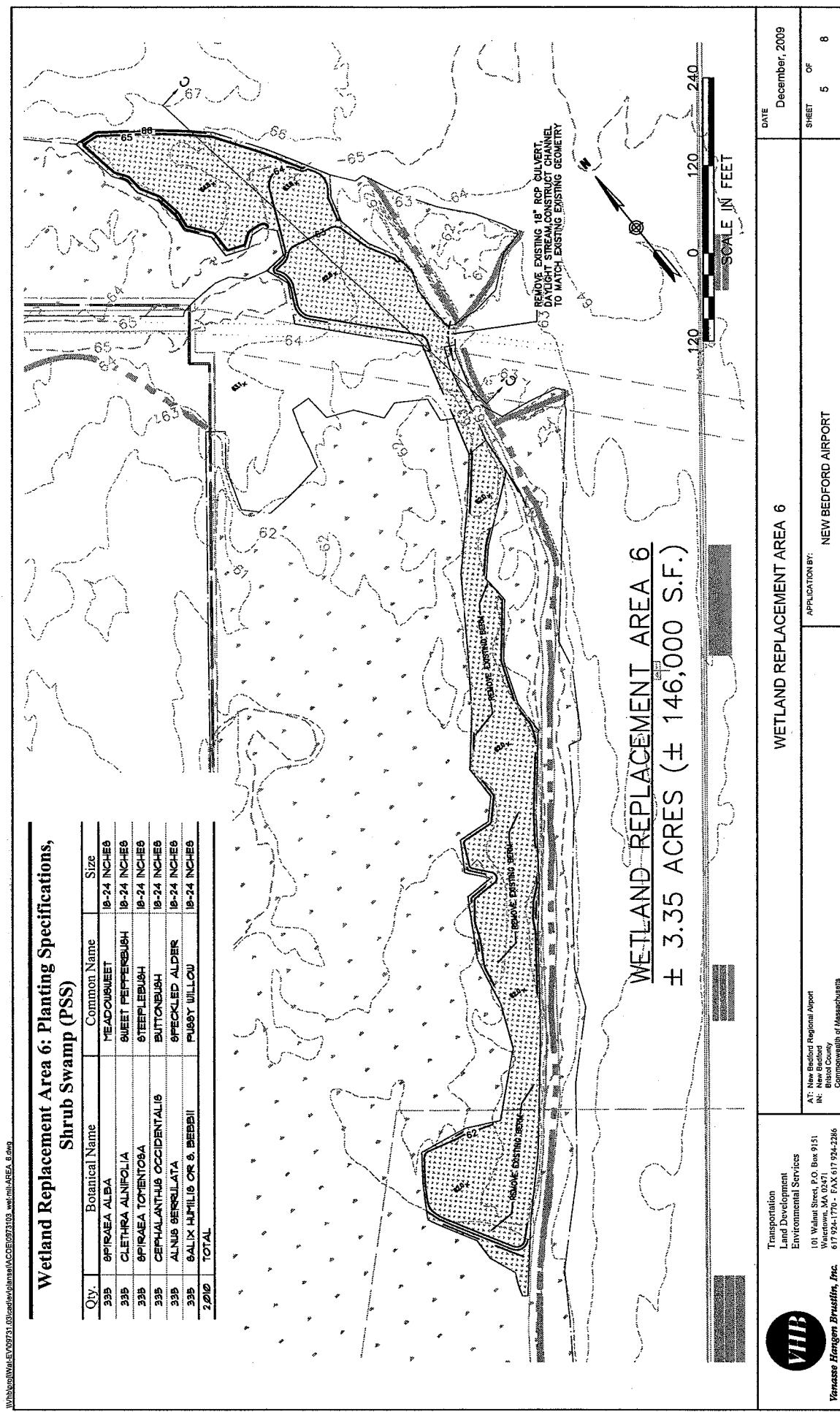
Transportation Land Development Environmental Services VHB Vassar Hanger Brustein, Inc.	Wetland Replacement Area 5 A.T.: New Bedford Regional Airport 10 Walnut Street, P.O. Box 9151 Watertown, MA 02471 In: Bristol County Commonwealth of Massachusetts	DATE December, 2009 APPLICATION BY: NEW BEDFORD AIRPORT
		SHEET OF 3 8



Transportation Land Development Environmental Services	AREA 5 - SECTION B-B'	DATE December, 2009
VHB Vassarose Hangar Brushfins, Inc.	APPLICATION BY: NEW BEDFORD AIRPORT	SHEET 4 OF 8
101 Wallin Street, P.O. Box 9151 Westborough, MA 01581 617.324.1770 • FAX 978.2286	AT: New Bedford Regional Airport IN: New Bedford Bristol County Commonwealth of Massachusetts	

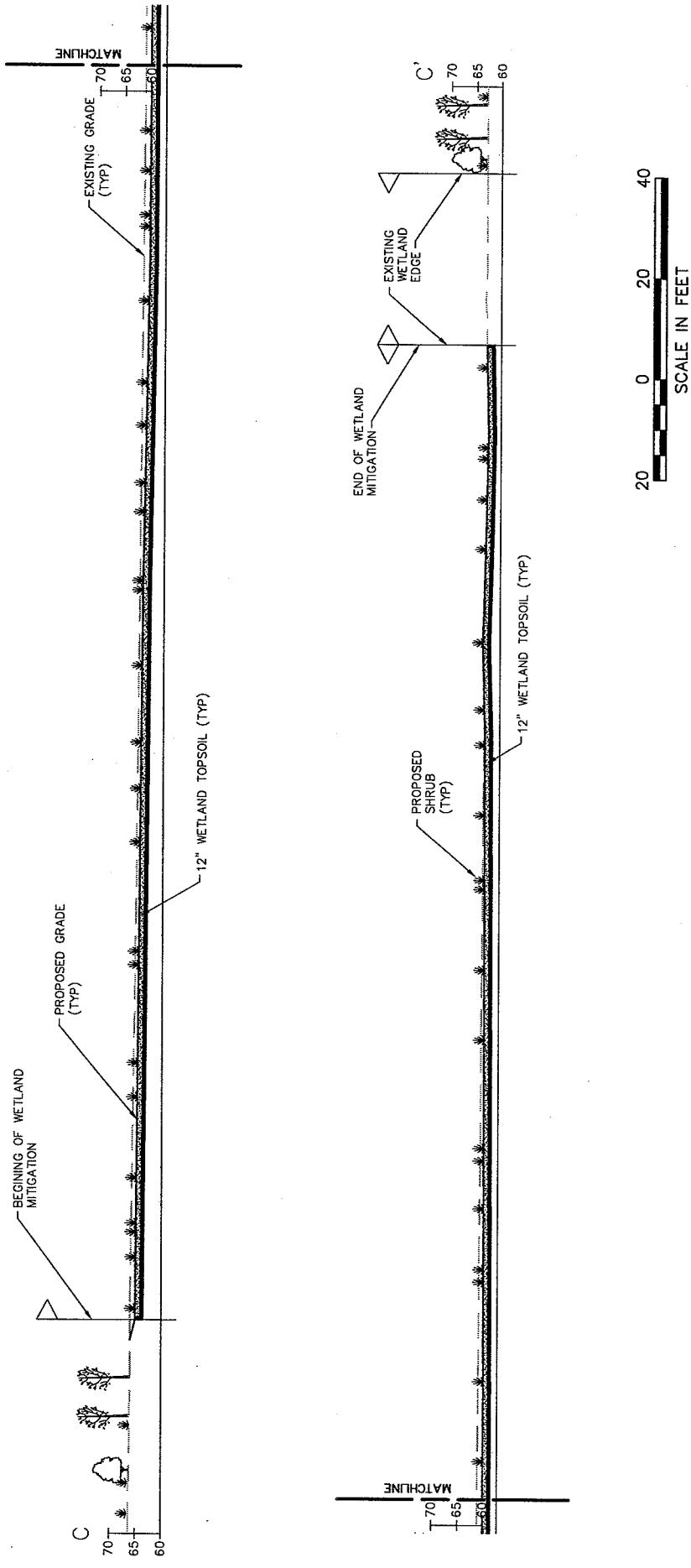
Wetland Replacement Area 6: Planting Specifications,
Shrub Swamp (PSS)

Qty.	Botanical Name	Common Name	Size
335	SPIREA ALBA	MEADOWSWEET	18-24 INCHES
335	CLETHRA ALNIFOLIA	SWEET PEPPERSHUB	18-24 INCHES
335	SPIREA TOTENTOBIA	STEPPLEBUSH	18-24 INCHES
335	CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	18-24 INCHES
335	ALNUS BETULIFOLIA	SPECKLED ALDER	18-24 INCHES
335	BALIX HAMILTON BEEBIL	FUGUE WILLOW	18-24 INCHES
TOTAL			

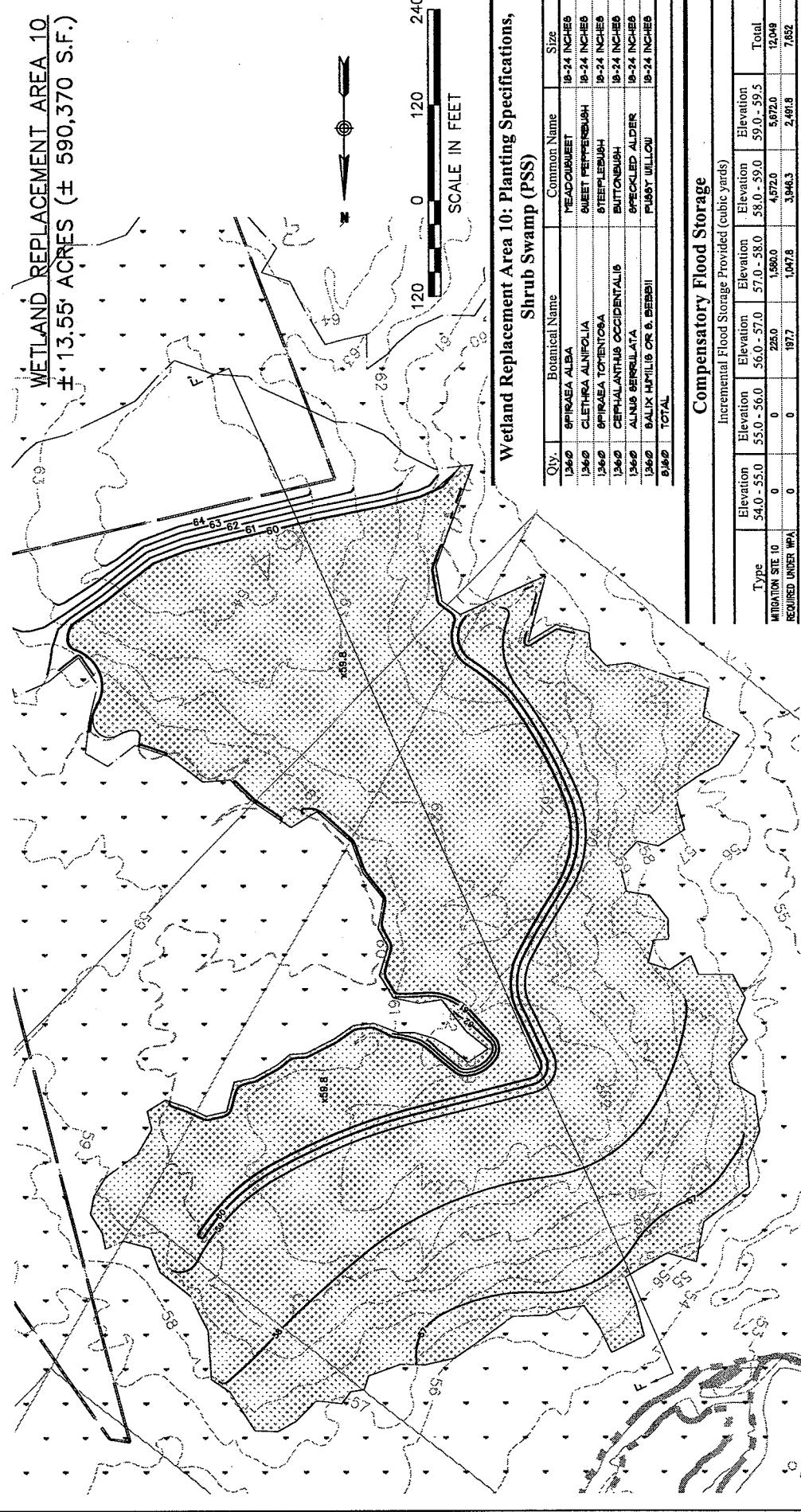


WETLAND REPLACEMENT AREA 6

Transportation Land Development Environmental Services 101 Walnut Street, P.O. Box 9131 Wellesley, MA 02481 617 224-1770 • FAX 617 224-2286 Vanasse Hangen Brustein, Inc.	APPLICATION BY: NEW BEDFORD AIRPORT	DATE: December, 2009
		SHEET 5 OF 8



VHB Vanasse Hangen Bruffins, Inc.	TRANSPORTATION LAND DEVELOPMENT ENVIRONMENTAL SERVICES	AREA 6 - SECTION C-C'	DATE December, 2009
	101 Walnut Street, P.O. Box 9151 Watertown, MA 02471 617.924.1770 - FAX 617.924.2286	APPLICATION BY: NEW BEDFORD AIRPORT	SHEET 6 OF 8



Wetland Replacement Area 10: Planting Specifications,

Shrub Swamp (PSS)

Qty.	Botanical Name	Common Name	Size
1360	SPIRAEA ALBA	MEADOWSWEET	18-24 INCHES
1360	CLETHRA ALNIFOLIA	SWEET PEPPERMINT	18-24 INCHES
1360	SPIRAEA TENTACULATA	STEPPLEBUSH	18-24 INCHES
1360	CEPHALANTHIS OCCIDENTALIS	BUTTERBUSH	18-24 INCHES
1360	ALNUS BERSILLATA	SPECIATED ALDER	18-24 INCHES
1360	SAUDEX LUPULOIDES	Fuzzy Willow	18-24 INCHES
TOTAL			
1360			

Compensatory Flood Storage

Incremental Flood Storage Provided (cubic yards)					
Type	Elevation	Elevation	Elevation	Elevation	Total
MIGRATION SITE TO REQUIRED UNDER NPA	54.0 - 55.0	55.0 - 56.0	56.0 - 57.0	57.0 - 58.0	59.0 - 59.5
	0	0	225.0	1,580.0	4,572.0
	0	0	187.7	1,047.8	3,946.3
					7,652

WETLAND REPLACEMENT AREA 10

Transportation
Land Development
Environmental Services
101 Walnut Street, P.O. Box 9151
Watertown, MA 02471
617-924-1770 • FAX 617-924-2786
Vanasse Hangen Brustlin, Inc.
VHB

APPLICATION BY:
NEW BEDFORD AIRPORT

DATE
December, 2009

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