



**US Army Corps
of Engineers**®
New England District
**696 Virginia Road
Concord, MA 01742-2751**

PUBLIC NOTICE

Comment Period Begins: April 10, 2012
Comment Period Ends: May 10, 2012
File Number: 2007-2828
In Reply Refer To: Ted Lento
Phone: (978) 318-8863
E-mail: ted.lento@us.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: Town of Marshfield Airport Commission, 93 Old Colony Lane, Marshfield, MA 02050

ACTIVITY: Place fill material within 2.96 acres of wetlands at the George D. Harlow Field Airport in Marshfield, Massachusetts in conjunction with the reconstruction of Runway 6-24, parallel taxiway and safety areas.

A detailed description and plans of the activity are attached.

WATERWAY AND LOCATION OF THE PROPOSED WORK

This work is proposed in wetlands located along the runway at the George D. Harlow Field Airport, Old Colony Lane in Marshfield, Massachusetts at Latitude: N 42° 5' 39.5" Longitude: W 70° 40' 40.2"

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.

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 used in the preparation of an Environmental Assessment

CENAE-R
FILE NO. NAE-2007-2828

and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972 as amended.

SECTION 106 COORDINATION

Additional review and consultation to fulfil requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

ENDANGERED SPECIES CONSULTATION

The New England District, Army Corps of Engineers has reviewed the list of species protected under the Endangered Species Act of 1973, as amended, which might occur at the project site. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect any Federally listed endangered or threatened species or their designated critical habitat. By this Public Notice, we are requesting that the appropriate Federal Agency concur with our determination.

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 Ted Lento at (978) 318-8863, (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 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.

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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.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.


Karen Kirk 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 following work results in the discharge of permanent fill material within 2.96 acres of wetland, temporary fill material within 0.14 acres of wetlands and secondary impacts to 15 acres of forested wetland that would be converted to shrub scrub as part of the vegetation management plan:

- Relocation of the Runway 6-24 centerline 15 feet to the east of its current location, and reconstruction of the runway with a paved width of 100 feet;
- Shifting the Runway 211 feet to the southwest, away from Bass Creek;
- Extension of the Runway 6 end by 300 feet;
- Construction of a standard Runway Safety Area that is 150 feet wide and extends 300 feet beyond each runway end;
- Paving of a 300-foot long by 100-foot wide section of the RSA at the Runway 6 and Runway 24 ends;
- Widening all taxiways by 5 feet to a paved width of 35 feet;
- Installation of a Precision Approach Path Indicator on the Runway 24 end;
- Relocating other existing navigational and approach aids to align with the new runway location;
- Relocating the perimeter fence;
- Installation of surface and subsurface storm water drainage systems;
- Removing vegetative obstructions to the Airport's protected airspace.

The work is described on the enclosed plans entitled "TOWN OF MARSHFIELD, MASSACHUSETTS, GEORGE D. HARLOW FIELD, AIRPORT SAFETY IMPROVEMENTS" on 24 sheets dated April 15, 2011 and revised March 9, 2012.

The basic project purpose is to provide for safe aviation operations at the Airport.

The overall project purpose is to enhance the safety of aircraft and the public using the Airport by improving the runway and taxiway and their appurtenant facilities to meet FAA standards. FAA standards are contained within numerous Advisory Circulars (ACs), Orders, Federal Grant Assurances, Federal Aviation Regulations, Guidance Documents, Handbooks and Manuals. All of these resources are available on the FAA website, www.faa.gov.

MITIGATION –

Efforts to minimize permanent wetland impact include:

- Reducing the runway length from the unconstrained required runway length of 7,700 feet to the proposed 3,900 foot paved length;
- Paving a portion of the RSA and using declared distances to maximize Accelerate/Stop Distance Available (ASDA) and minimize wetland impact;
- Placing the additional 5 feet of taxiway pavement width required on the western side of the taxiway in order to minimize additional encroachment on wetlands;
- Obtaining authorization from the FAA to locate the Precision Approach Path Indicator in a non-standard location in the infield to avoid additional wetland impact;

- standard location in the infield to avoid additional wetland impact;
- Obtaining authorization from the FAA to increase the runway pavement width from 75 feet to 100 feet in lieu of constructing a crosswind runway and taxiway to avoid acres of wetland disturbance.

A series of runway alternatives were considered to satisfy the project purpose and avoid the proposed wetland impact to the maximum extent practicable as summarized in the following Table.

Summary of Runway Length Alternatives

| Runway Length Alternative | Runway Length | Permanent Wetland Impact (acres) | Reason for Disposition |
|---------------------------------|----------------------|----------------------------------|--|
| Alternative "A" (unconstrained) | 7,700 feet | 32± | Unacceptable wetland impacts |
| Alternative "B" | 5,200 feet | 16± | Unacceptable wetland impacts |
| Alternative "C" | 3,850 feet | 5.5± | Insufficient length, Unacceptable wetland impacts, |
| Alternative "D" | 3,337 feet | 2.2± | Insufficient length, River crossings required |
| Alternative "E" | 3,550 and 4,200 feet | Rejected due to river crossings | Insufficient length, River crossings required |
| Alternative "F" | 3,937 feet | 2.2± | Applicant's preferred option |

The applicants preferred alternative "F" includes the greatest reduction in potential impacts to wetland resource areas that allows the proponent, with FAA concurrence, to comply with FAA standards to the extent practicable. This alternative does not change the Airport's capacity and the growth in aircraft type and operations are expected to remain at the same level as forecasted in the Airport Master Plan Update.

Compensatory Mitigation for the proposed loss of wetlands includes the preservation of 101 acres containing approximately 34.7+ acres of freshwater wetlands in the location shown on the attached sheet # 24. The proposed preservation site is currently upland meadow, shrub scrub and uplands that would be conveyed to the Massachusetts Audubon Society and will also have a Conservation Easement placed on the property to ensure permanent protection and use restrictions.

TOWN OF MARSHFIELD MASSACHUSETTS

GEORGE D. HARLOW FIELD AIRPORT SAFETY IMPROVEMENTS

AIP NO. 3-25-0030-18-2010

APRIL 15, 2011

REVISED AUGUST 5, 2011

REVISED MARCH 9, 2012

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| 31 OF 31 | A1.1 ABUTTERS LIST |

PREPARED BY



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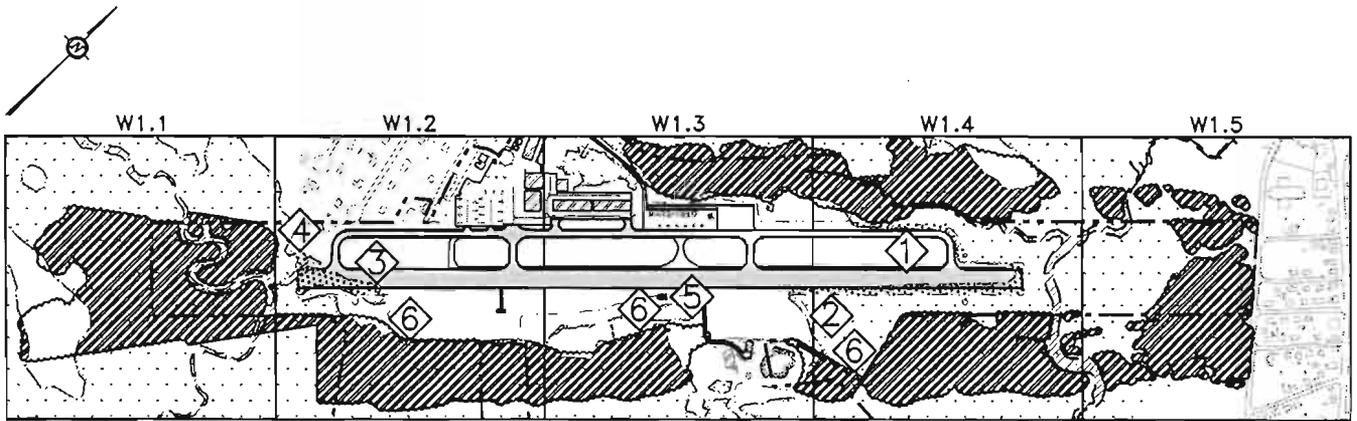
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P 603.471.1887 F 603.471.1888 www.gainco.com

APPLICATION FOR
DEPARTMENT OF
THE ARMY PERMIT

DRAWING NO.

G1.1

SHEET 1 OF 31



| PERMANENT BVW IMPACTS | |
|-------------------------------|------------------------|
| BORDERING VEG. WETLANDS (BVW) | 2.96± AC 129,331 SF |
| AREA 1 | 0.39± AC 17,036 SF |
| AREA 2 | 1.60± AC 69,683 SF |
| AREA 3 | 0.85± AC 37,200 SF |
| AREA 4 | 0.08± AC 3,490 SF |
| (1) AREA 5 | 0.004± AC 180 SF |
| AREA 6 | 0.04± AC 1,742 SF |

(1) ISOLATED VEGETATED WETLAND

| TEMPORARY BVW IMPACTS | |
|-----------------------|---------------------------|
| TREE CLEARING | 63.06± AC 2,747,004 SF |
| INSTALL FENCING | 0.14± AC 5,967 SF |
| MITIGATION | NONE |
| VMP ACCESS * | 360 SF |

*WATERCOURSE

NOTE: BVW IS SAME AS FRESHWATER WETLANDS IN ACCORDANCE WITH FEDERAL DEFINITIONS

LEGEND

- AIRPORT PROPERTY LINE
- PROPOSED PAVEMENT
- WETLANDS
- LIMITS OF REGRADING
- PROPOSED TREE CLEARING
- WETLAND IMPACT AREA
- BVW TEMPORARY IMPACTS
- BVW PERMANENT IMPACTS

WETLAND IMPACT NOTES:

1. DISTURBANCE TO WETLANDS DURING CONSTRUCTION WILL BE RESTRICTED ONLY TO THE AREAS SHOWN ON PLANS.
2. TEMPORARY DISTURBANCES TO WETLANDS ARE PERMITTED ONLY WHEN NECESSARY FOR CONSTRUCTION AND ANY TEMPORARY IMPACT AREAS WILL BE RESTORED UPON COMPLETION OF CONSTRUCTION.

GRAPHIC SCALE



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WETLAND IMPACT OVERVIEW PLAN

AIRPORT SAFETY IMPROVEMENTS
AIP NO. 3-25-0030-15-2008

PROJ. NO: DRAWN REVIEWED CADD FILE

776580 SEH SAM 776580-ACOE-W1.1

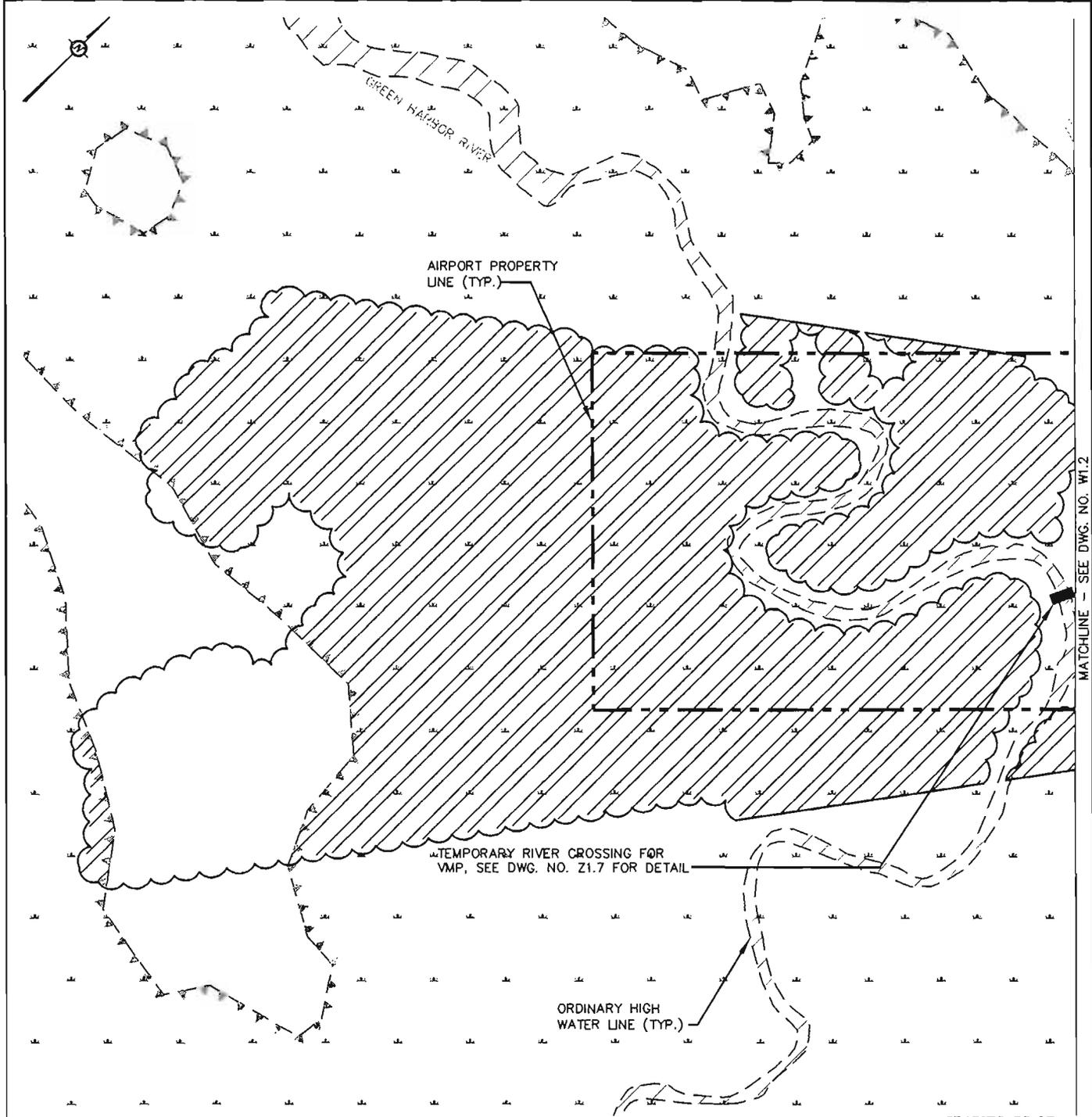
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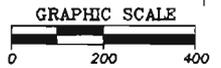
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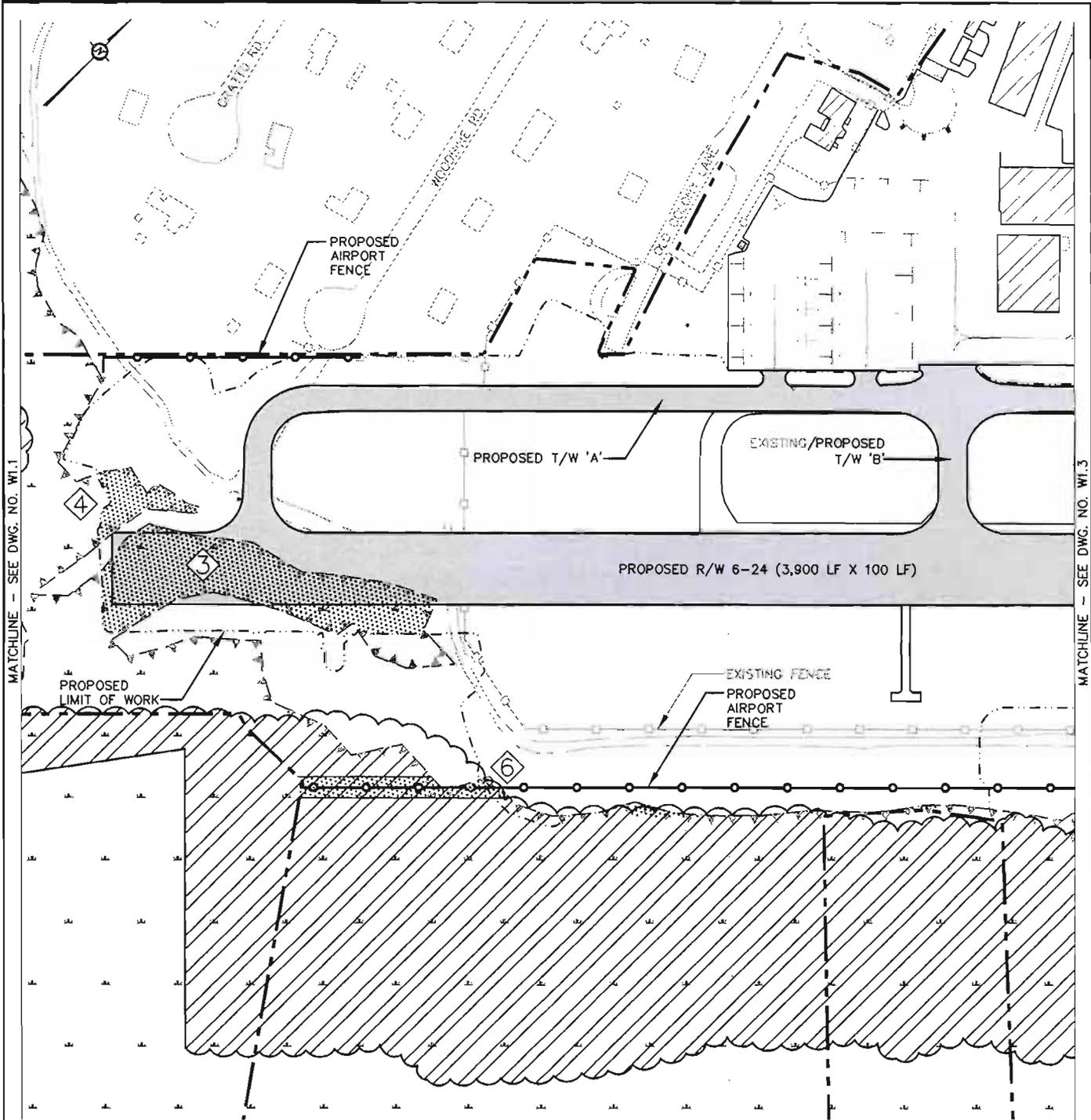
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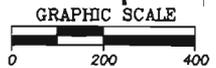
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 PERMANENT BVW IMPACTS: NONE
 SEE PAGE W1.0 FOR LEGEND



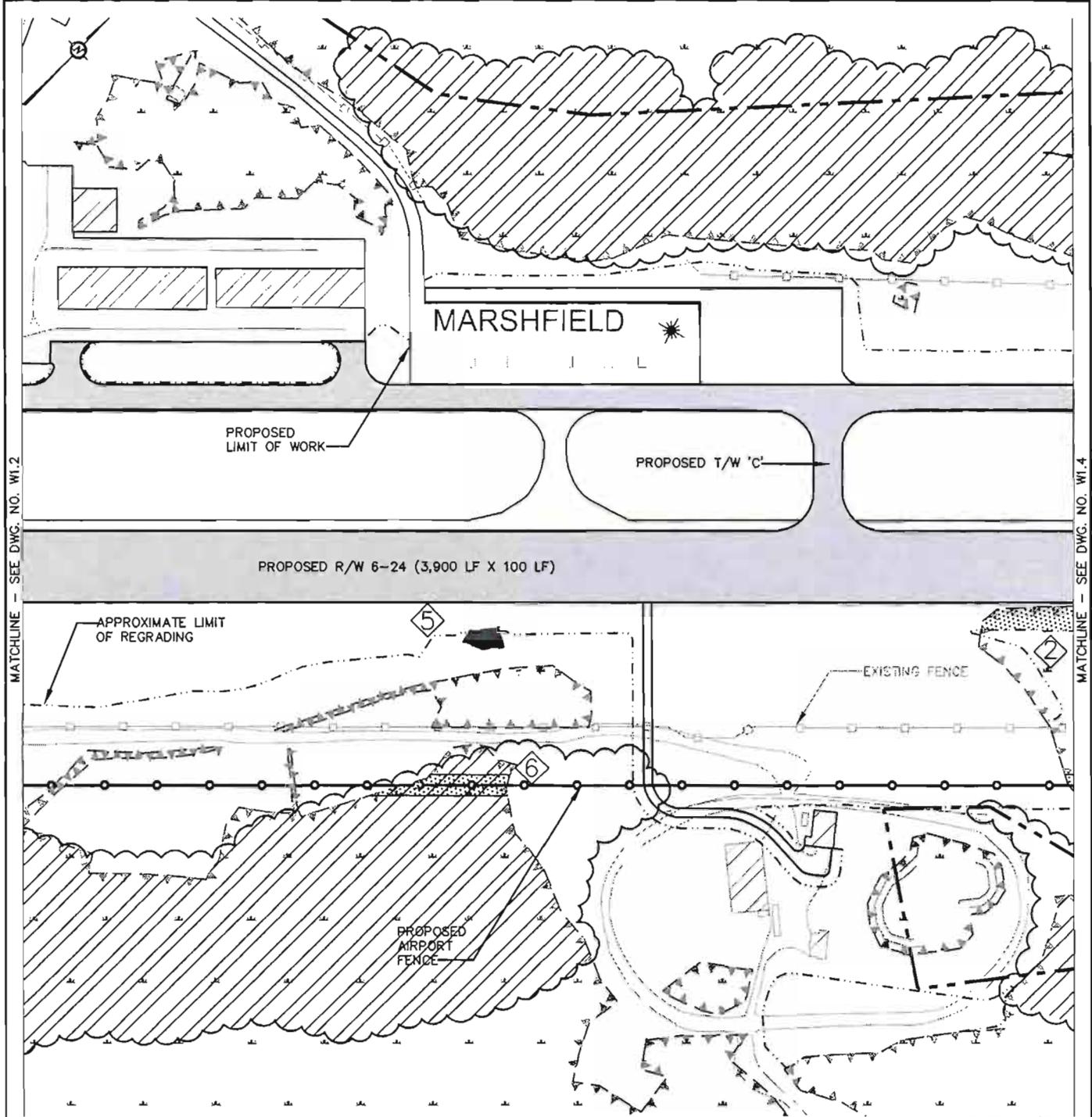
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|  Gale Associates, Inc Engineers Architects Planners 15 Constitution Drive Bedford, NH 03110 P 603.471.1887 F 603.471.1809 www.gainc.com Boston Baltimore Orlando San Francisco | WETLAND IMPACT PLAN (PAGE 1 OF 5) | | | DATE: 4-15-2011 |
| | | | | SCALE: 1"=200' |
| | | | | REVISION: 3-9-2012 |
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| PROJ. NO: | DRAWN | REVIEWED | CADD FILE | |
| 776580 | SEH | SAM | 776580-ACOE-W1.1 | 4 OF 31 |



TEMPORARY BVW IMPACTS: 9.61 ACRES
 PERMANENT BVW IMPACTS: 0.93 ACRES (FENCE IMPACT TABULATED ON PAGE W1.0)
 SEE PAGE W1.0 FOR LEGEND



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|---|--|--------------|-----------------|-------------------------------|
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| W1.2 | | | | 5 OF 31 |



PROPOSED LIMIT OF WORK

PROPOSED T/W 'C'

PROPOSED R/W 6-24 (3,900 LF X 100 LF)

APPROXIMATE LIMIT OF REGRADING

EXISTING FENCE

PROPOSED AIRPORT FENCE

GRAPHIC SCALE



TEMPORARY BVW IMPACTS: 10.45 ACRES
 PERMANENT BVW IMPACTS: 0.09 ACRES (FENCE IMPACT TABULATED ON PAGE W1.0)
 SEE PAGE W1.0 FOR LEGEND

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**WETLAND IMPACT PLAN
 (PAGE 3 OF 5)**

AIRPORT SAFETY IMPROVEMENTS
 AIP NO. 3-25-0030-15-2008

DATE: 4-15-2011

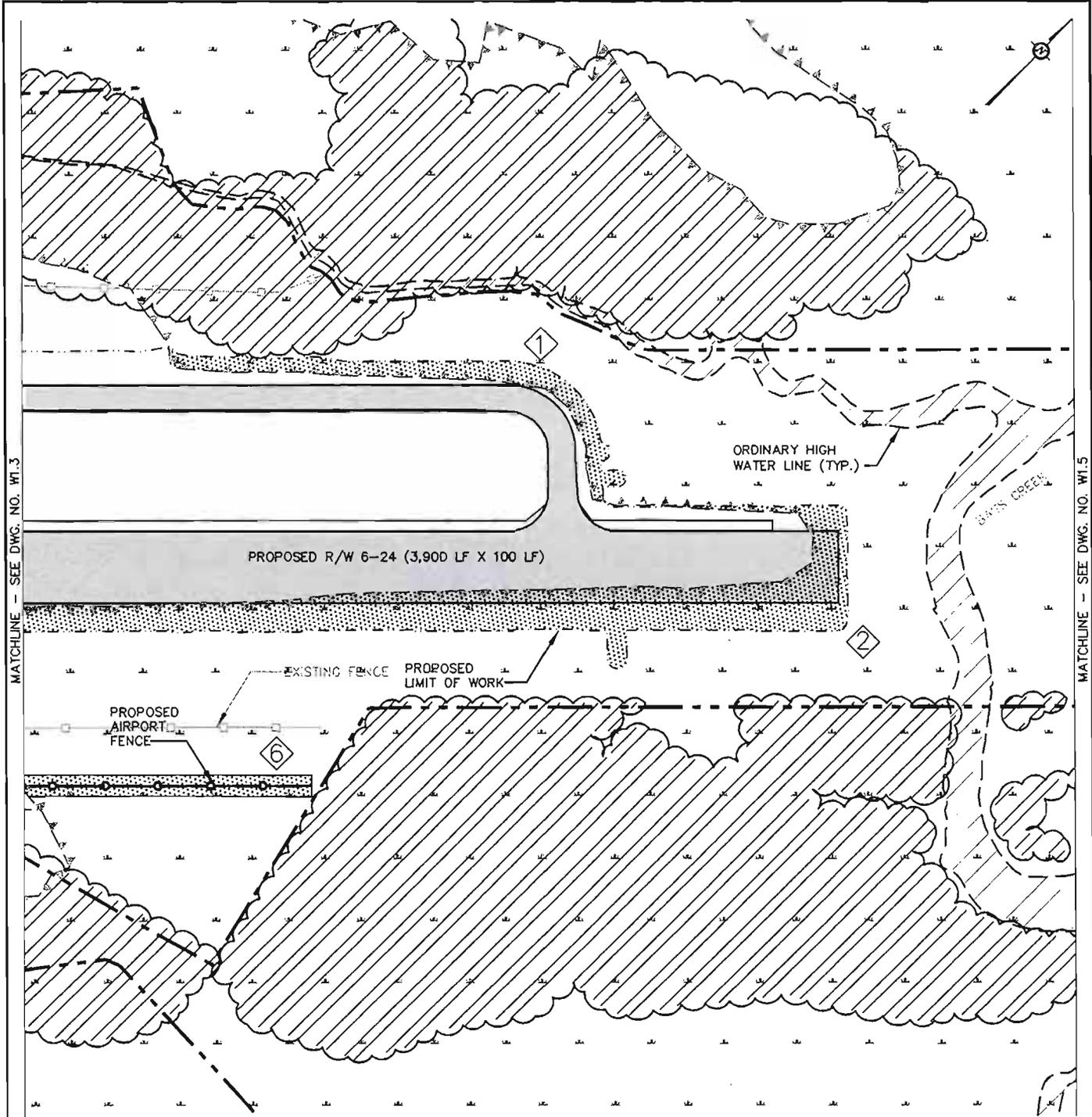
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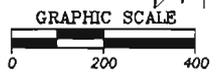
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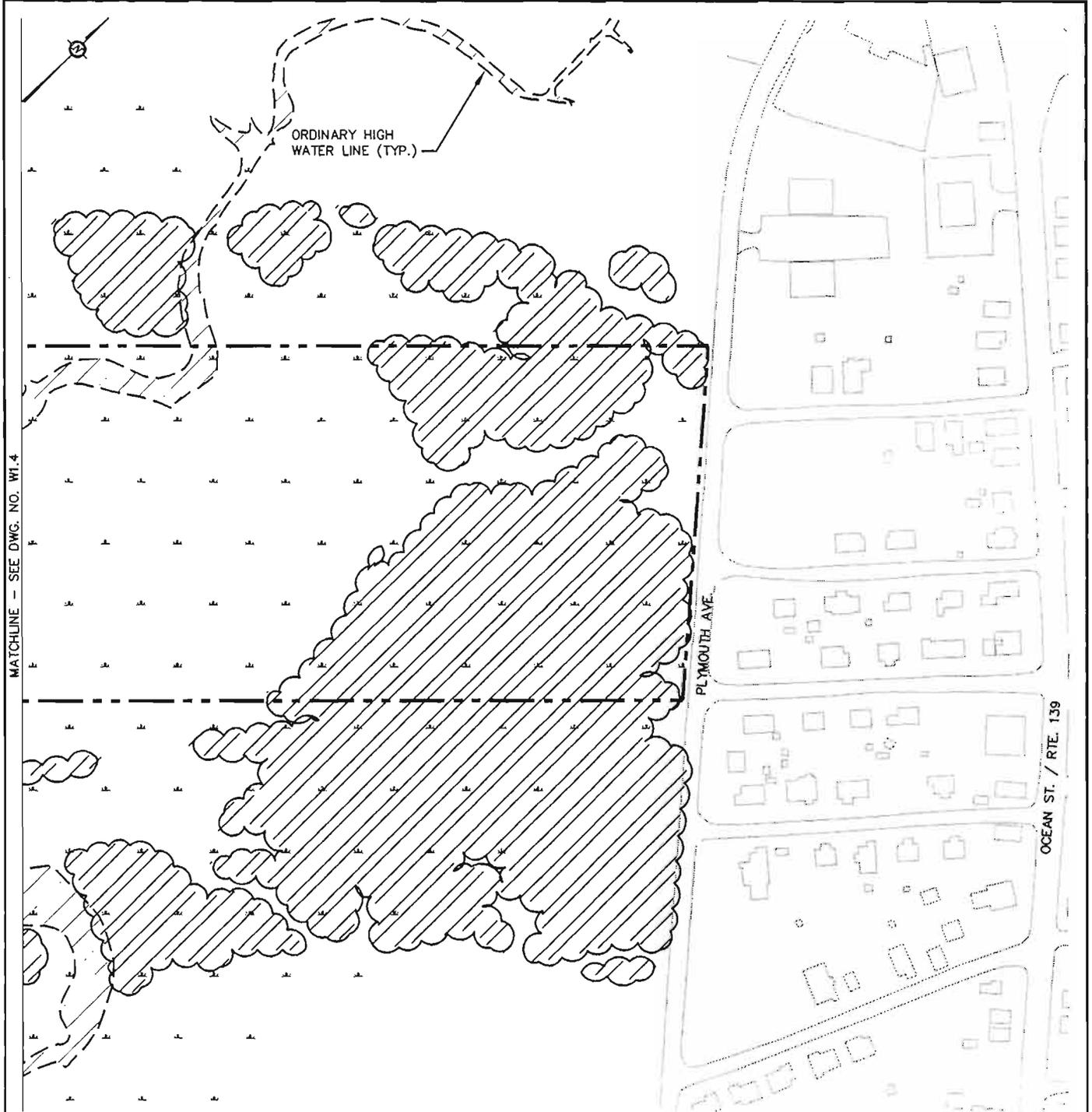
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 PERMANENT BVW IMPACTS: 1.91 ACRES (FENCE IMPACT TABULATED ON PAGE W1.0)
 SEE PAGE W1.0 FOR LEGEND



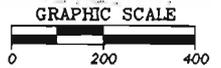
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| WETLAND IMPACT PLAN (PAGE 4 OF 5) | | | |
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| W1.4 | |
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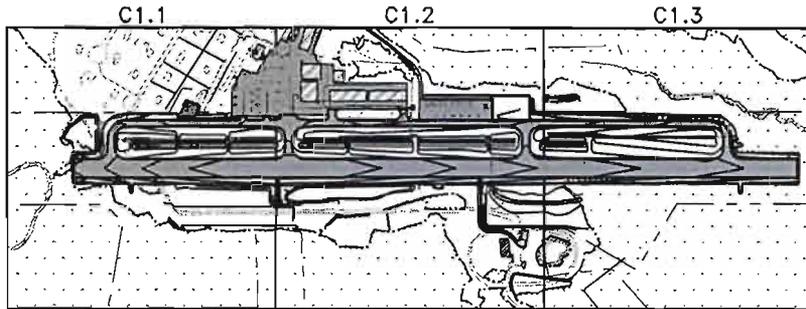
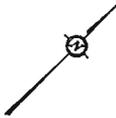
TEMPORARY BVW IMPACTS: 10.84 ACRES
 PERMANENT BVW IMPACTS: NONE
 SEE PAGE W1.0 FOR LEGEND



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| WETLAND IMPACT PLAN (PAGE 5 OF 5) | | | |
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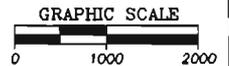


LEGEND

- AIRPORT PROPERTY LINE
- PROPOSED PAVEMENT
- WETLANDS
- - - - - LIMITS OF REGRADING
- RIP-RAP SLOPE STABILIZATION
- PROPOSED EDGE OF PAVEMENT
- - - - - GRASSSED CHANNEL
- DRAINAGE PIPE
- HEADWALL
- GRASS INFILTRATION BASIN
- DRAIN PIPE FLOW ARROW
- PROP. WETLAND MITIGATION
- PROP. HABITAT MITIGATION
- PROPOSED CONTOUR
- EXISTING CONTOUR
- 6'/8' CATCH BASIN
- 4' LOW PROFILE INFIELD CATCH BASIN
- 4' CATCH BASIN
- DRAINAGE MANHOLE
- FLARED END SECTION

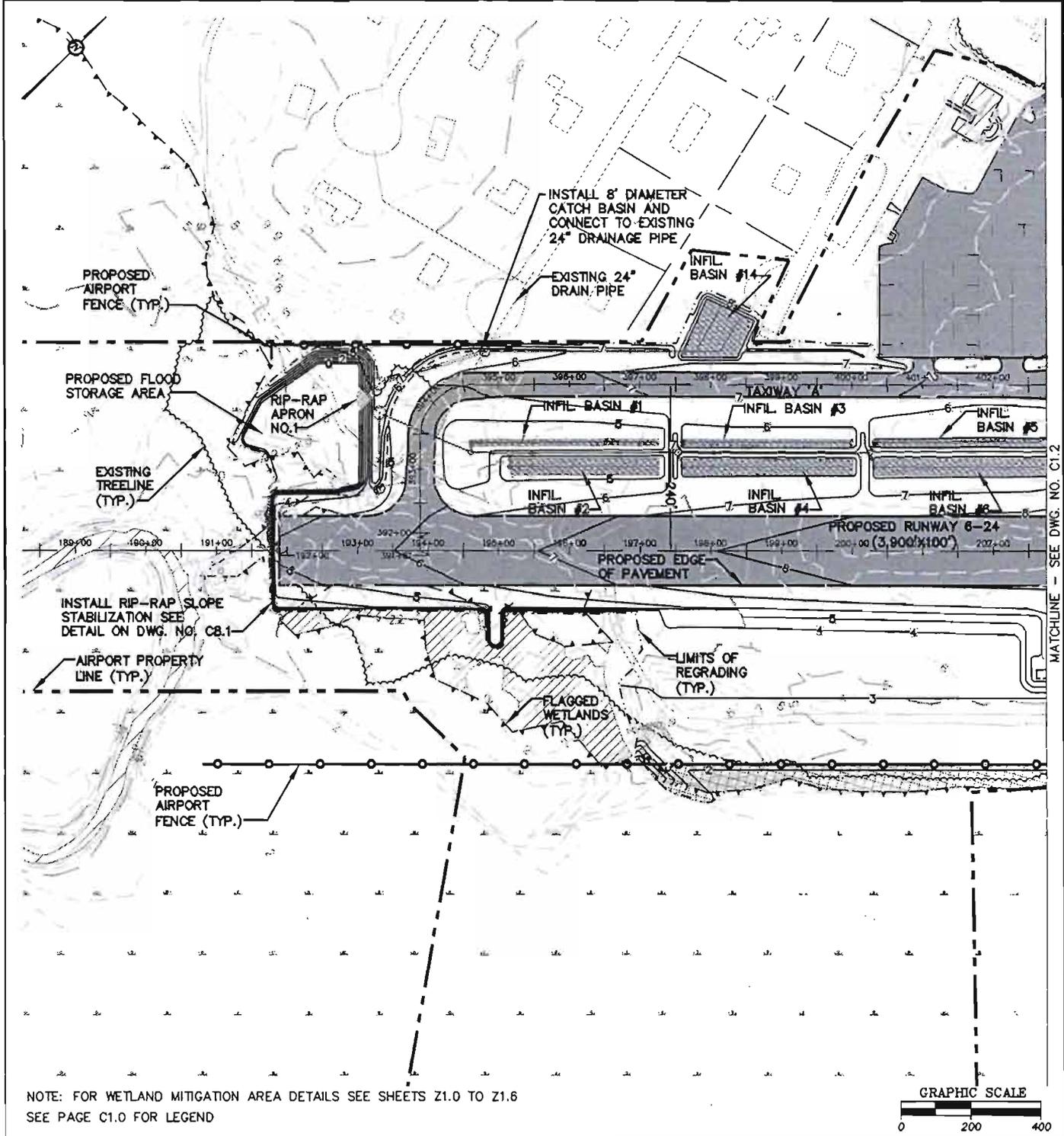
SCOPE OF WORK:

- RELOCATION OF THE RUNWAY 6-24 CENTERLINE 15 FEET TO THE EAST OF ITS CURRENT LOCATION, AND RECONSTRUCTION OF THE RUNWAY WITH A PAVED WIDTH OF 100 FEET;
- SHIFTING THE RUNWAY 211 FEET TO THE SOUTHWEST, AWAY FROM BASS CREEK;
- EXTENSION OF THE RUNWAY 6 END BY 300 FEET;
- CONSTRUCTION OF A STANDARD RSA THAT IS 150 FEET WIDE AND EXTENDS 300 FEET BEYOND EACH RUNWAY END;
- PAVING OF A 300 FOOT LONG BY 100 FOOT WIDE SECTION OF THE RSA AT THE RUNWAY 6 AND RUNWAY 24 ENDS AND IMPLEMENTING DECLARING DISTANCES;
- CONSTRUCTING A STANDARD TSA;
- WIDENING ALL TAXIWAYS BY 5 FEET TO A PAVED WIDTH OF 35 FEET;
- INSTALLATION OF A PAPI AND REILS ON THE RUNWAY 24 END;
- RELOCATING OTHER EXISTING NAVIGATIONAL AND APPROACH AIDS TO ALIGN WITH THE NEW RUNWAY LOCATION (PAPI, REILS, RUNWAY AND TAXIWAY LIGHTS, LIGHTED WINDCONE AND SEGMENTED CIRCLE);
- RELOCATING THE PERIMETER FENCE;
- INSTALLATION OF SURFACE AND SUBSURFACE DRAINAGE SYSTEMS;
- REMOVAL OF THE EXISTING RUNWAY PAVEMENT;
- REMOVING VEGETATIVE OBSTRUCTIONS TO THE AIRPORT'S PROTECTED AIRSPACE; AND
- CONSTRUCTION OF WETLAND AND RARE SPECIES MITIGATION AREAS.

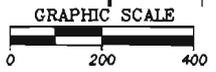


1:0776580-C1.0 Runway Design Only/Drawings/ACOE/01.1 Aug. 31/2011 5:01:34 PM.rvt

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|---|--|-------|----------|------------------|-----------|-----------|
| Gale Associates, Inc Engineers Architects Planners 15 Constitution Drive Bedford, NH 03110 P 603.471.1887 F 603.471.1809 www.galinc.com Boston Baltimore Orlando San Francisco | GRADING AND SITE PLAN OVERVIEW | | | | DATE: | 4-15-2011 |
| | | | | | SCALE: | 1"=1000' |
| | | | | | REVISION: | 3-9-2012 |
| | AIRPORT SAFETY IMPROVEMENTS AIP NO. 3-25-0030-15-2008 | | | | C1.0 | |
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| | 776580 | SEH | SAM | 776580-ACOE-C1.1 | 9 | OF 31 |

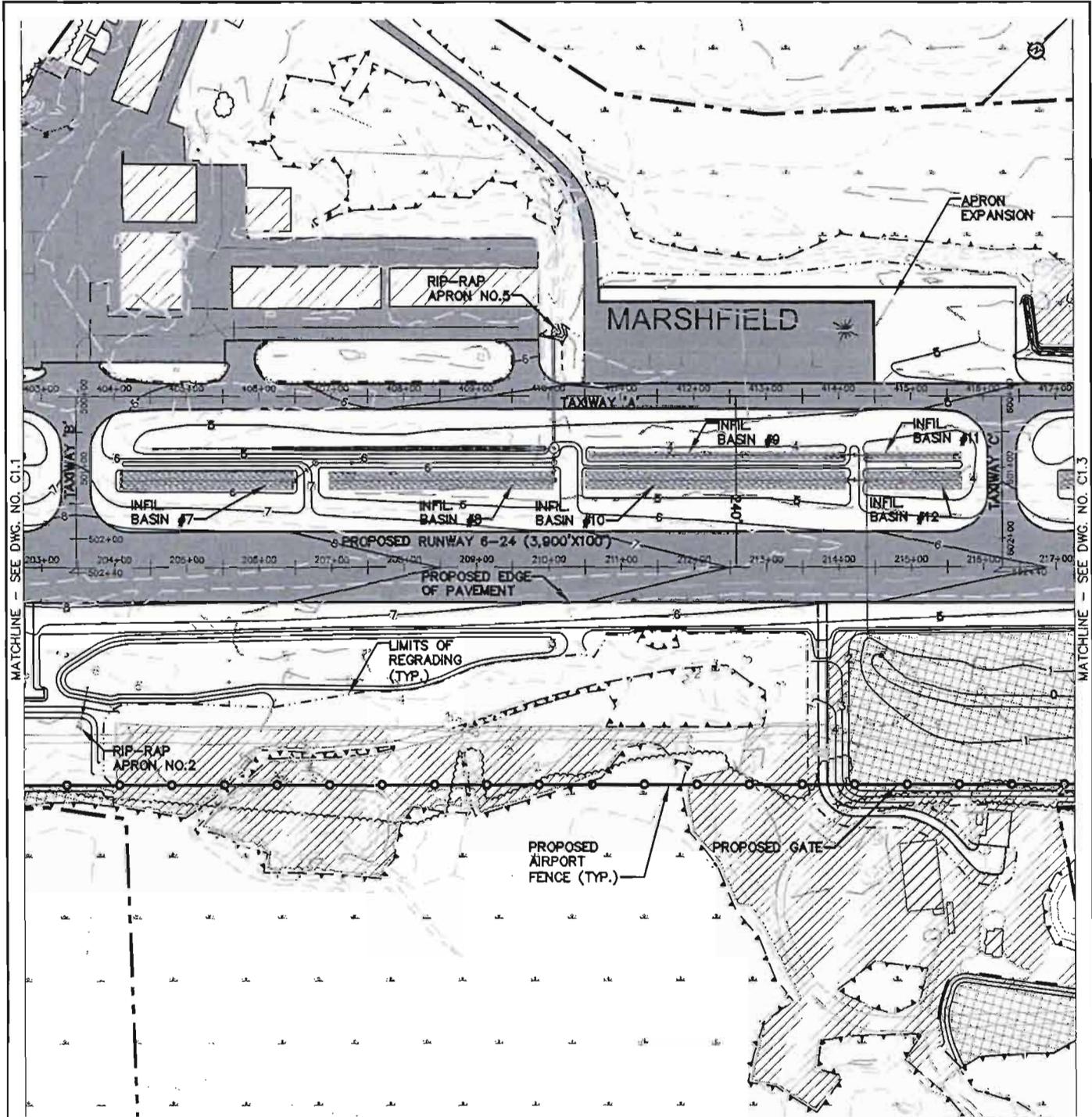


NOTE: FOR WETLAND MITIGATION AREA DETAILS SEE SHEETS Z1.0 TO Z1.6
SEE PAGE C1.0 FOR LEGEND

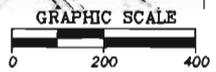


MATCHLINE - SEE DWG. NO. C1.2

| | | | | |
|--|--|----------|------------------|--------------------|
|  Gale Associates, Inc Engineers Architects Planners 15 Constitution Drive Bedford, NH 03110 P 603.471.1887 F 603.471.1809 www.gainc.com Boston Baltimore Orlando San Francisco | GRADING AND SITE PLAN (PAGE 1 OF 3) | | | DATE: 4-15-2011 |
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| PROJ. NO: | DRAWN | REVIEWED | CADD FILE | |
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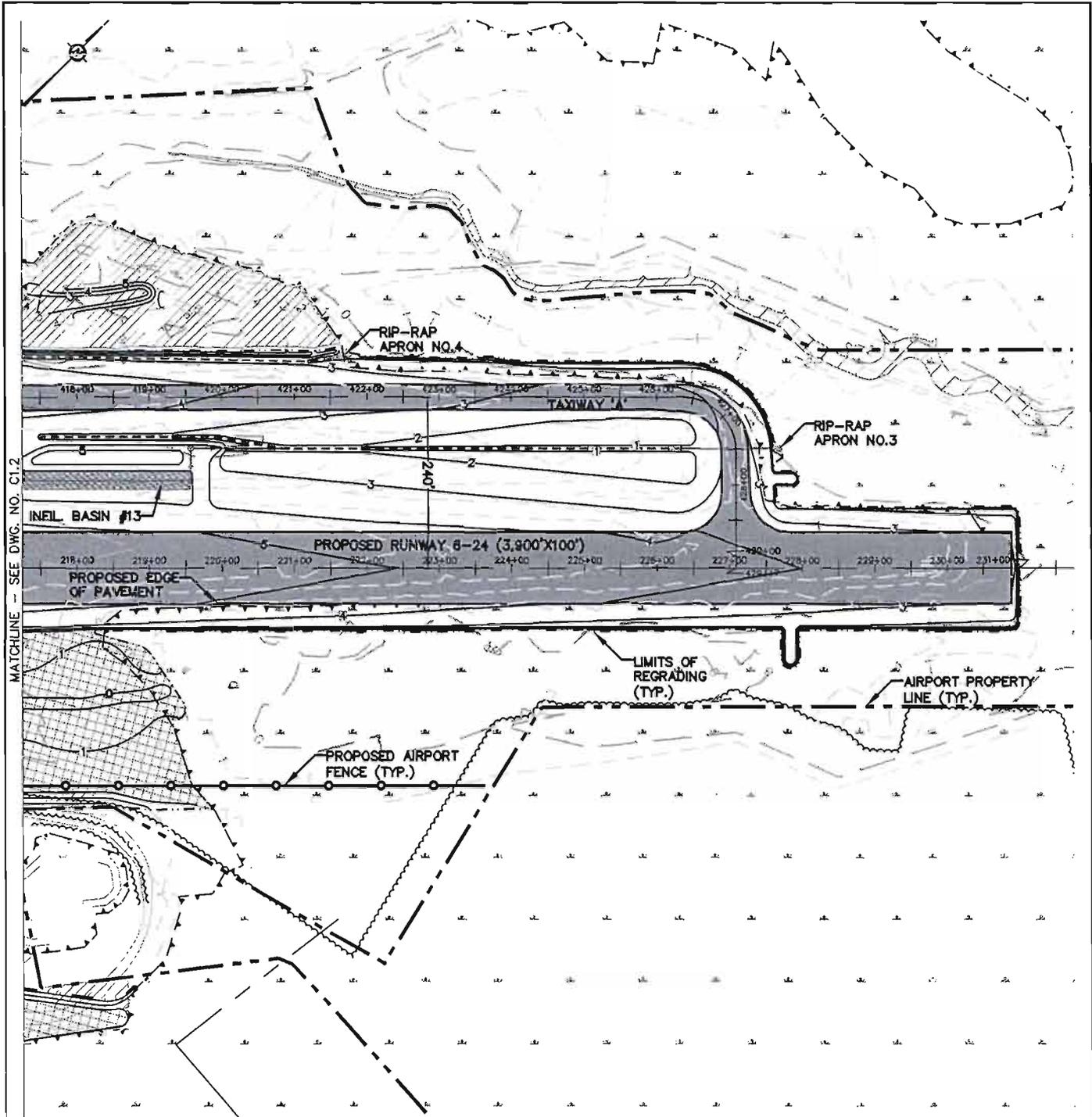
NOTE: FOR WETLAND MITIGATION AREA DETAILS SEE SHEETS Z1.0 TO Z1.6
SEE PAGE C1.0 FOR LEGEND



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| GRADING AND SITE PLAN (PAGE 2 OF 3) | | | |
| AIRPORT SAFETY IMPROVEMENTS AIP NO. 3-25-0030-15-2008 | | | |
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| DATE: | 4-15-2011 |
| SCALE: | 1"=200' |
| REVISION: | 3-9-2012 |
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| 11 OF 31 | |



NOTE: FOR WETLAND MITIGATION AREA DETAILS SEE SHEETS Z1.0 TO Z1.6
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**GRADING AND SITE PLAN
 (PAGE 3 OF 3)**

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 AIP NO. 3-25-0030-15-2008

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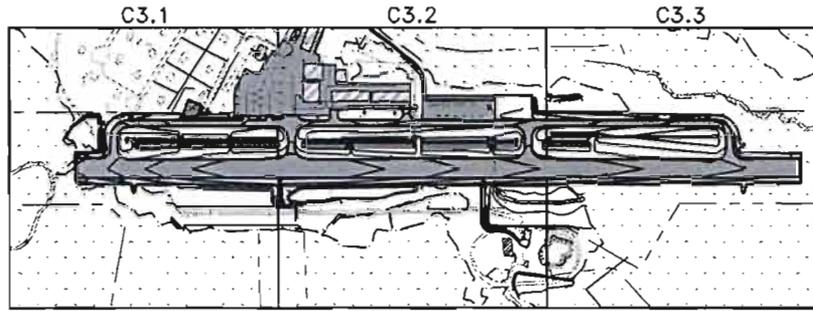
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REVISION: 3-9-2012

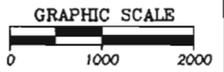
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LEGEND

- AIRPORT PROPERTY LINE
- PROPOSED PAVEMENT
- WETLANDS
- LIMITS OF REGRADING
- RIP-RAP SLOPE STABILIZATION
- PROPOSED EDGE OF PAVEMENT
- GRASSED CHANNEL
- DRAINAGE PIPE
- PROPOSED SILT FENCE WITH SINGLE ROW OF STRAW BALES
- PROPOSED SILT FENCE WITH DOUBLE ROW OF STRAW BALES
- PROPOSED STRAWBALES
- HEADWALL
- GRASS INFILTRATION BASIN
- DRAIN PIPE FLOW ARROW
- PROPOSED CONTOUR
- EXISTING CONTOUR
- 6'/8' CATCH BASIN
- 4' LOW PROFILE INFIELD CATCH BASIN
- 4' CATCH BASIN
- DRAINAGE MANHOLE
- FLARED END SECTION



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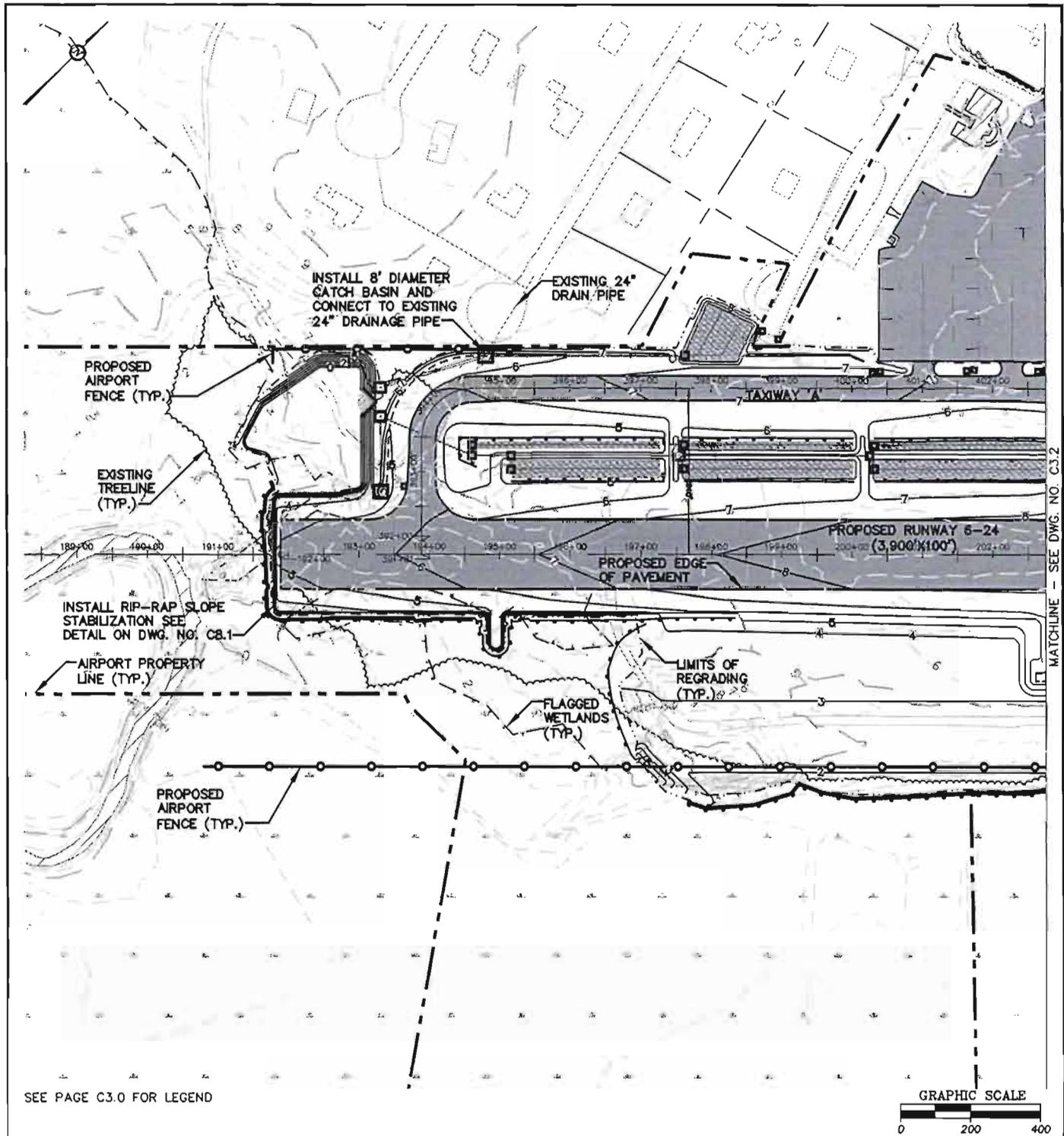
**EROSION CONTROL PLAN
 OVERVIEW**

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| REVISION: | 3-9-2012 |

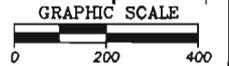
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 AIP NO. 3-25-0030-15-2008

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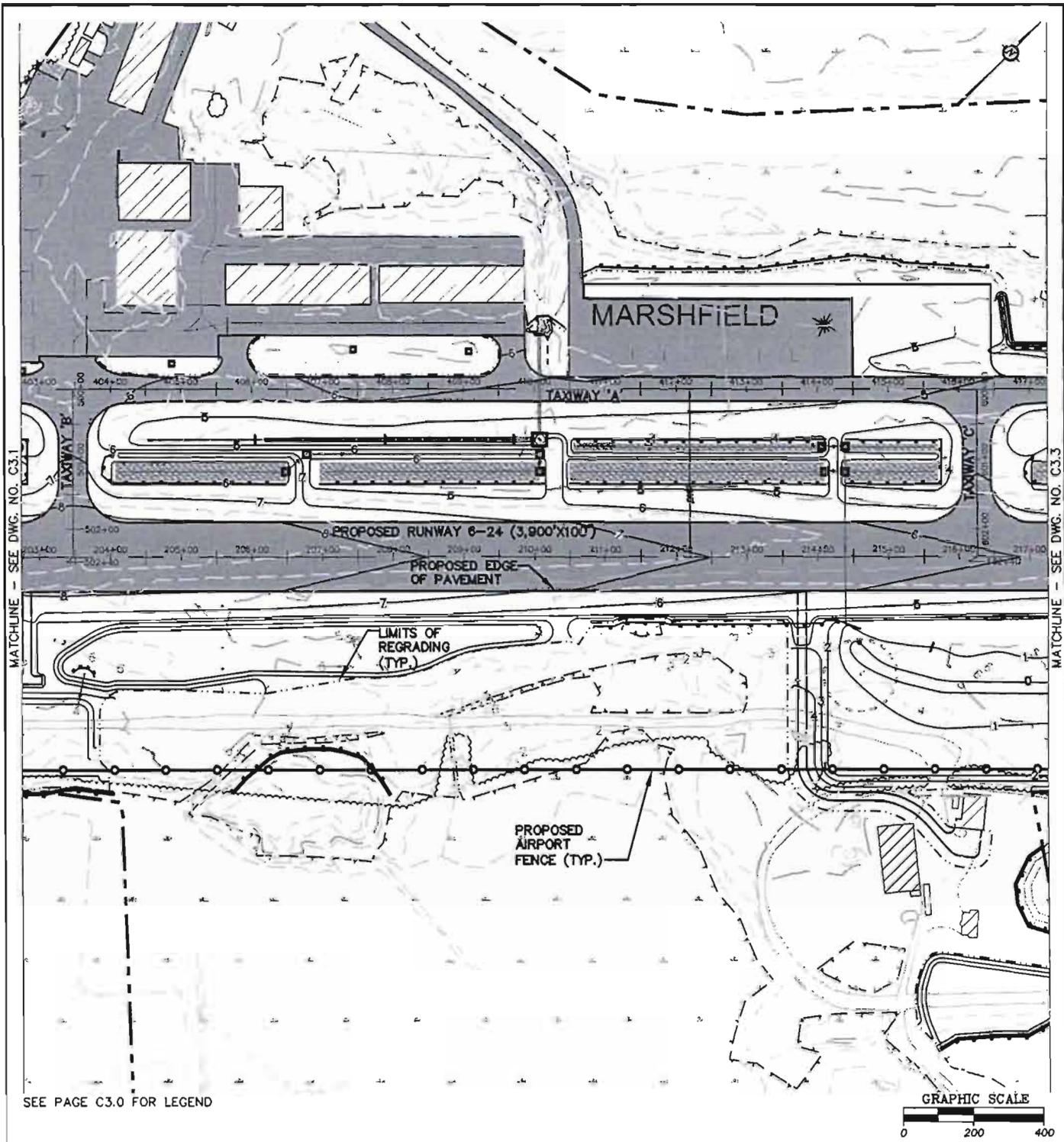
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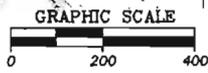
MATCHLINE - SEE DWG. NO. C3.2

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| EROSION CONTROL PLAN (SHEET 1 OF 3) | | | | DATE: | 4-15-2011 |
| | | | | SCALE: | 1"=200' |
| AIRPORT SAFETY IMPROVEMENTS AIP NO. 3-25-0030-15-2008 | | | | REVISION: | 3-9-2012 |
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**EROSION CONTROL PLAN
 (SHEET 2 OF 3)**

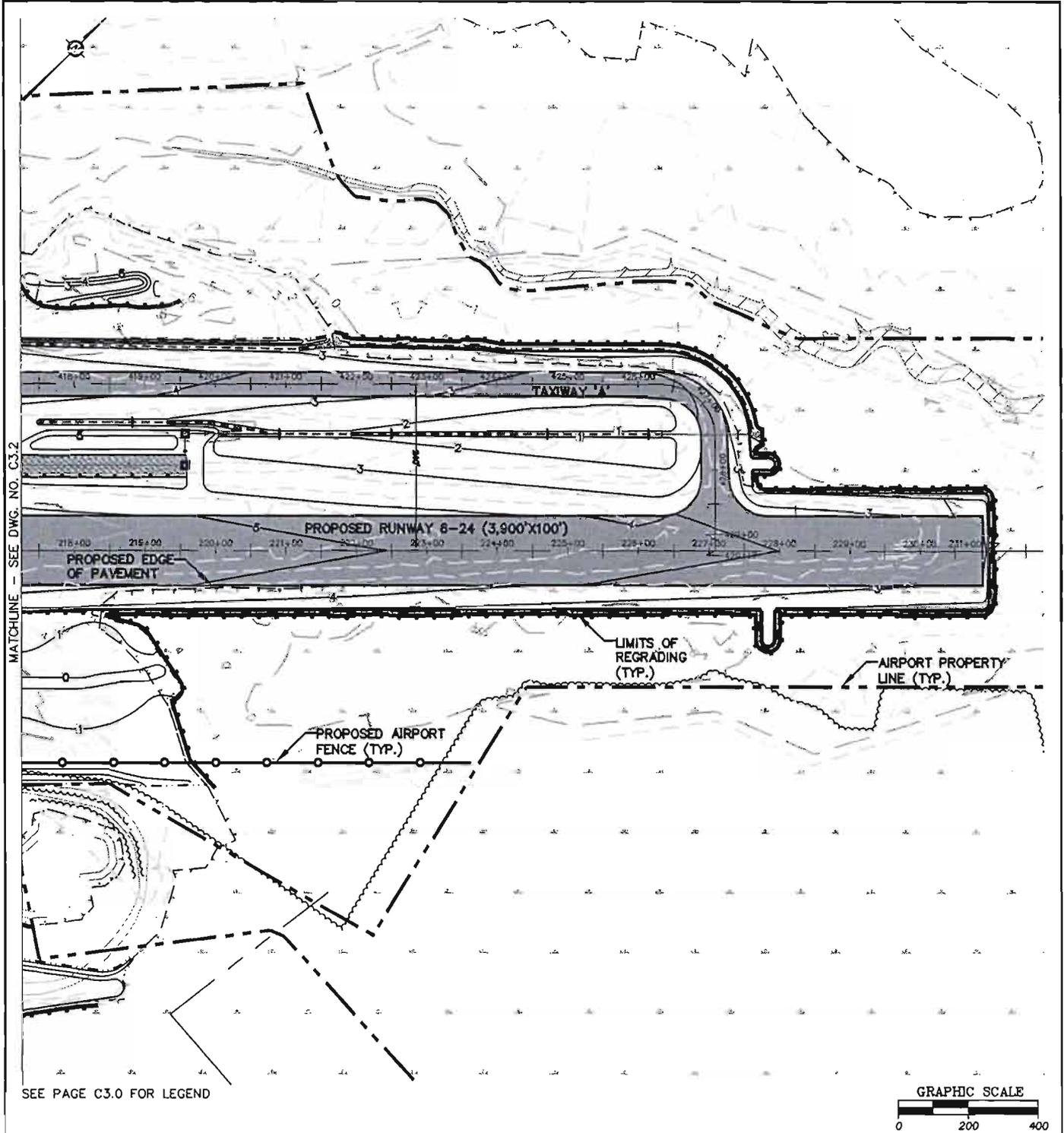
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 AIP NO. 3-25-0030-15-2008

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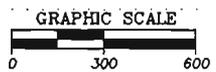
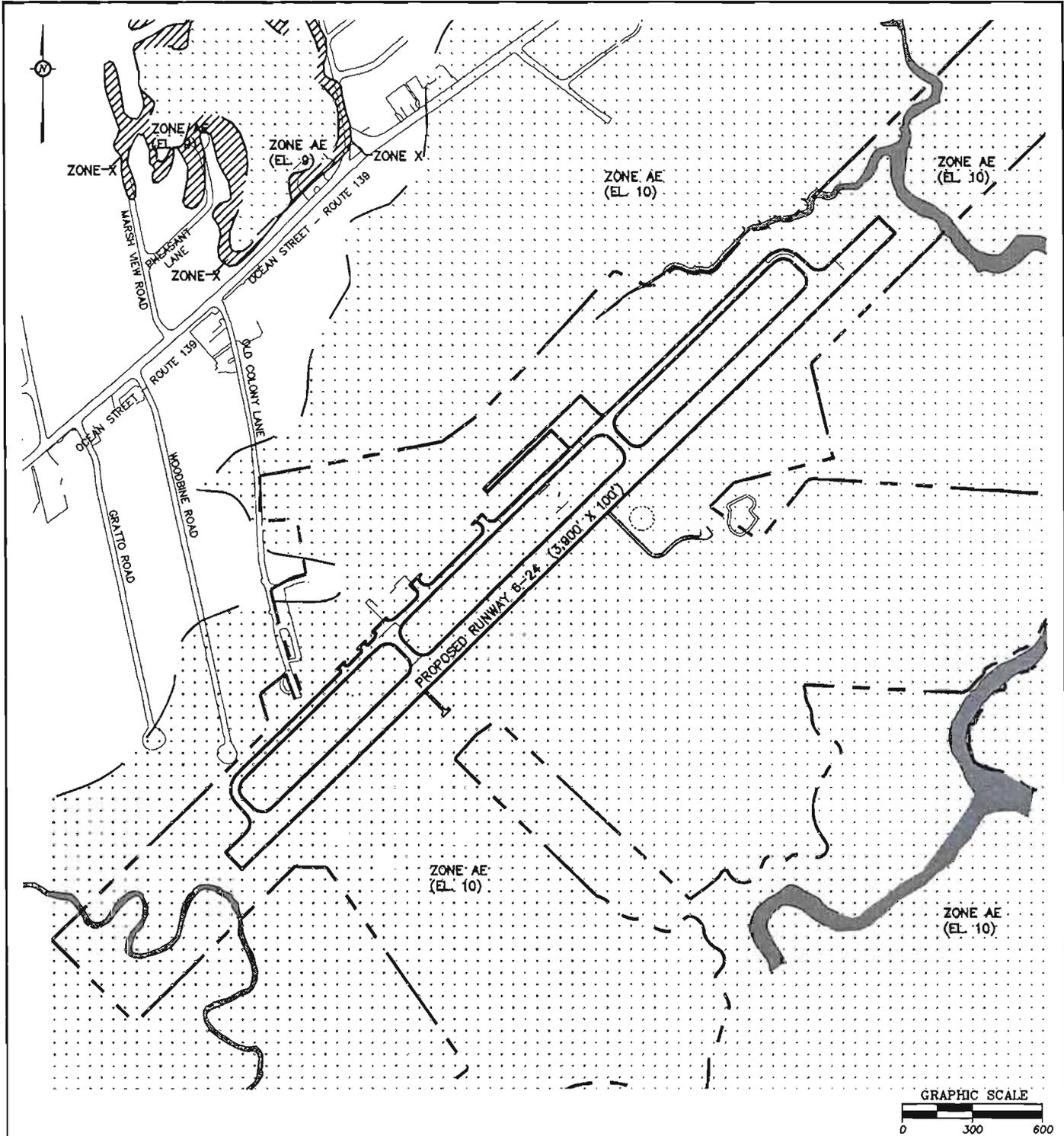
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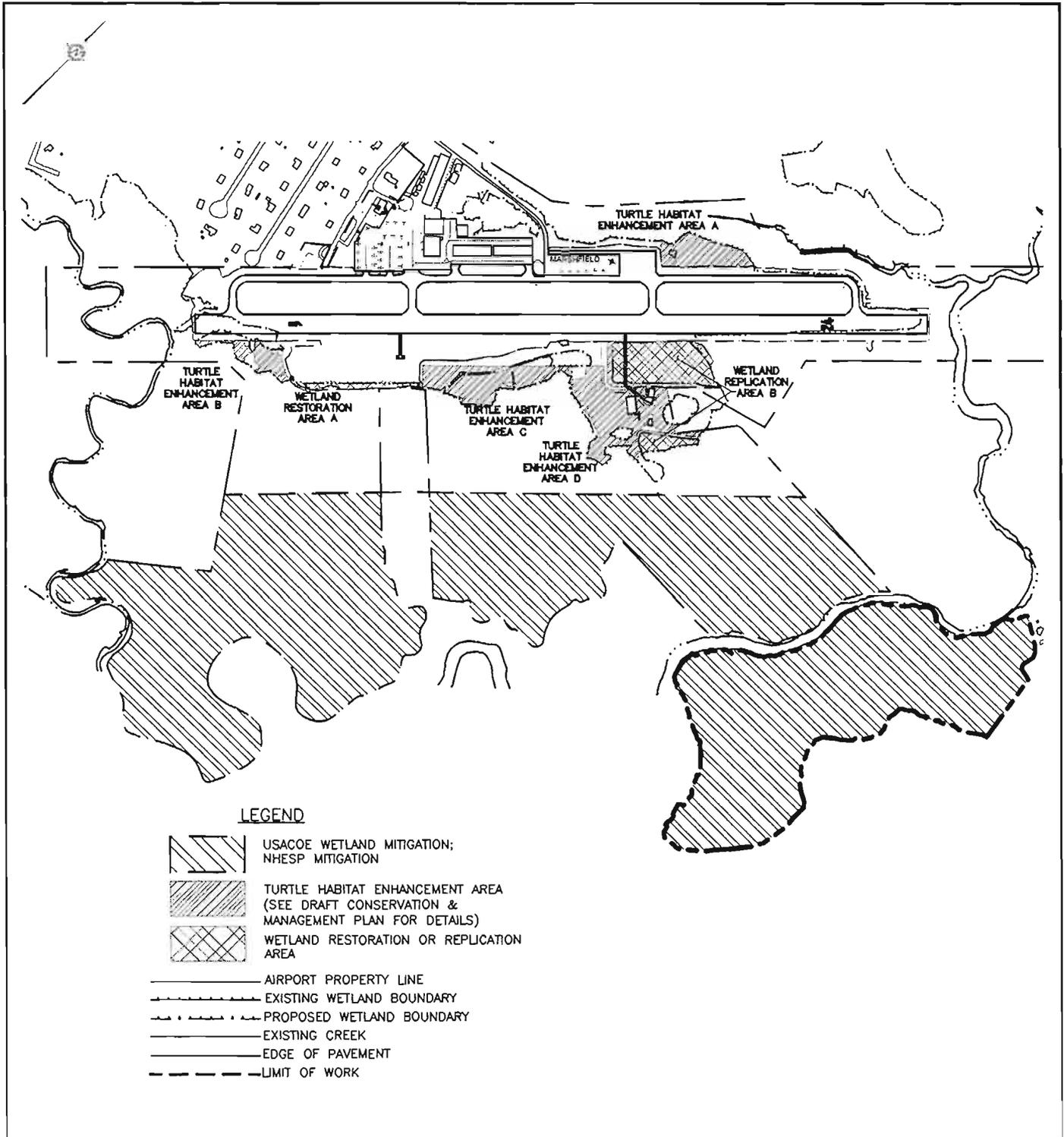
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| EROSION CONTROL PLAN (SHEET 3 OF 3) | | | | DATE: | 4-15-2011 |
| | | | | SCALE: | 1"=1000' |
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| | | AIRPORT SAFETY IMPROVEMENTS AIP NO. 3-25-0030-15-2008 | | | SCALE: | 1"=750' |
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