INVOICE

Alex Mas
The Nature Conservancy
14 Main Street, Suite 401
Brunswick ME 04011

E-mail: amas@tnc.org

Invoice # 31 **Date: April 30, 2010**

Bill To:

Environmental Protection
BLWQ
17 State House Station
Augusta ME 04333-0017

Vendor Code:

VC1000067626

	Description	
	In Lieu Fee for Wetland Compensation	**$15,025.66**
	DEP Number:	
	Internal transfer-invoice	
	Record Hill Wind LLC. NAE-2008-03763 **Check number 2180**	
	Total	**$15,025.66**

US Army Corps of Engineers®
New England District

IN-LIEU-FEE (ILF) PROJECT DATA WORKSHEET

Project name: **Record Hill Wind, LLC**

Applicant: **Record Hill Wind, LLC**

Corps permit#: **NAE-2008-03763** State permit # (if known): **L-24441-24-A-N**

Project location (address, city): **Roxbury, Maine**

Biophysical region: **Western Maine Foothills Subsection**

Size of total impact subject to compensation: **30,172 s.f.**

Types of resource subject to compensation by size: **30,172 s.f. of palustrine forested wetland (PFO) converted through overstory clearing within a proposed electrical transmission corridor to palustrine scrub-shrub (PSS) and palustrine emergent (PEM) wetland**

Amount of ILF: **$15,025.66**

Corps Project Manager: **Clement**

Note: The ILF Project Data Worksheet must be filled out by the PM within 3 days of receiving a contribution to the "Natural Resource Mitigation Fund" and faxed along with a copy of the check to James Cassida in Augusta at 207-287-7826. The distribution of ILF contributions is time sensitive.

The PM should also double check to make sure that the check has been routed to Augusta with the correct account number reference. The account # for the ILF program is 014.06A.1776.14.

Checks should be made out to **"Treasurer, State of Maine"** and mailed to:

MEDEP
Attn: ILF PROGRAM ADMINISTRATOR
State House Station 17
Augusta, ME 04333

Resource(s) Impacted:

Resource Type: (Wetlands by NWI Type (PFO, PSS, M1, M2, E1, E2, etc), significant vernal pool (SVP), shorebird feeding & staging habitat (Shorebird), inland waterfowl & wading bird habitat (IWWH), tidal waterfowl & wading habitat (TWWH), and river, stream, or brook (RSB).

Wetland Functions & Values: Groundwater recharge/discharge (GWR); floodflow alterations(FF); fish & shellfish habitat(FSH); sediment toxicant retention (STR); nutrient removal (NR); production export (PE); sediment/shoreline stabilization (SS); wildlife habitat (WH); recreation (R); education/scientific value (ESV); uniqueness/heritage (UH); and visual quality/aesthetics (VQ).

Types of impacts: may include filling, dredging, vegetation conversion (e.g. forested to shrub/scrub), others.

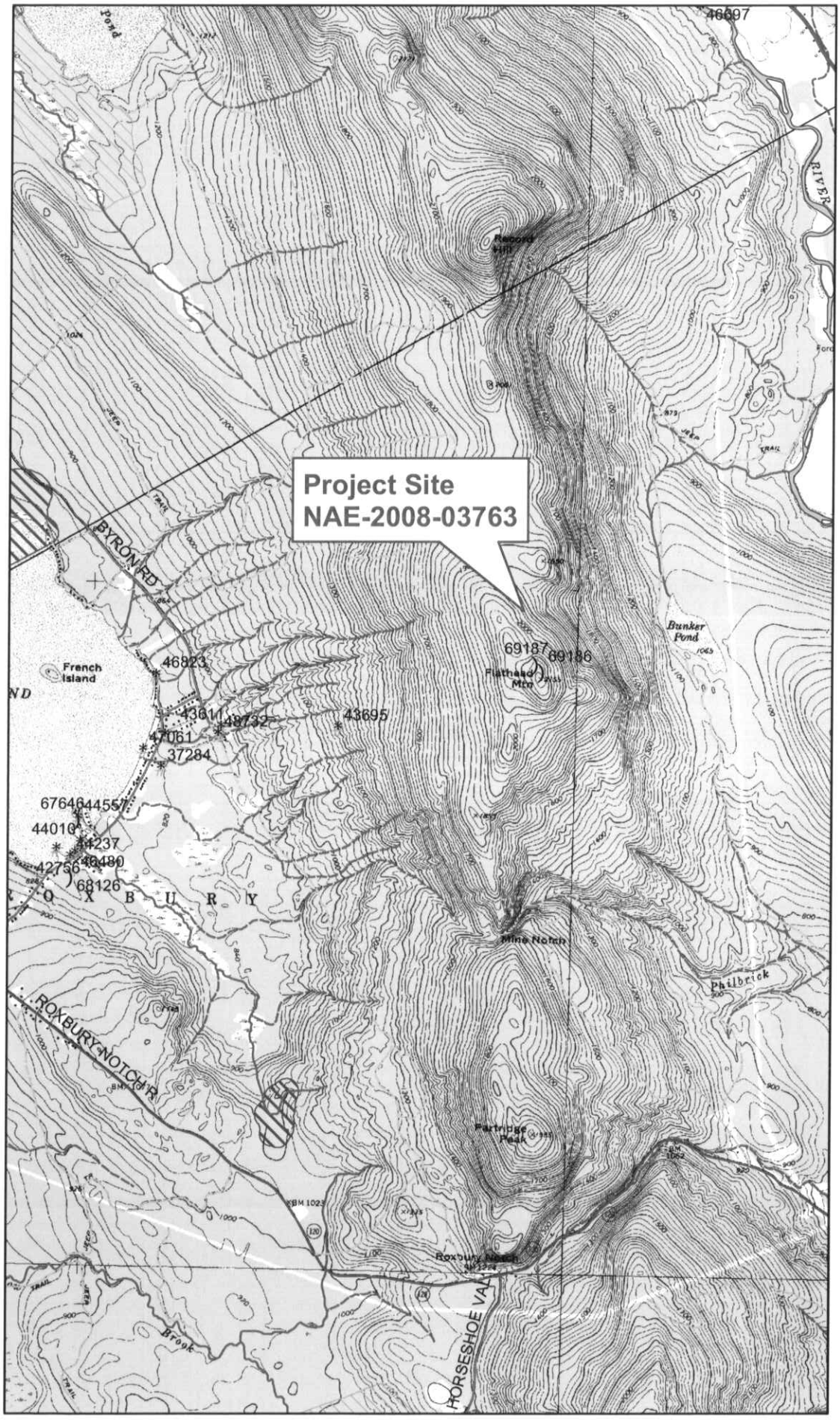
Resource type (list all that apply)	**Functions (for wetland impacts)** (list all that apply, by resource type)	**Type of Impact** (by resource type)	**Sq Feet Impacted** (by resource type)
PFO	WH, FF, GWR	Conversion by clearing to PSS & PEM	30,172
		Total square feet impacted	30,172

Note: ILF Payment determined based on application of Corps/DEP draft Temporary/Secondary Impacts Table. ($3.32 x 30,172 s.f) x 15% = $15,025.66

Record Hill Wind Project
Roxbury

Map Notes:
- Land Licensing Sites were either digitized on screen, or collected using a Garmin Etrex GPS Unit. Feature locations have an accuracy of +/- 15 meters.
- Background hydrologic, topographic and political features are from MEGIS data layers with an accuracy of +/- 40 feet.
- All spatial data is projected to NAD 1983 UTM Zone 19.
- All spatial data is specific to Maine DEP Bureau of Land and Water Quality.
Data is maintained by the Maine DEP GIS Unit.
- This map is to be used for reference purposes only and does not represent authoritative locations of displayed features.

Map Prepared By: B. Callahan
Maine DEP, BLWQ,
Division of Land Resource Regulation



Legend

- Permit By Rule Locations
- Permit By Rule Locations

Roads

- Town Road
- Town Road - Summer
- Town Road - Winter
- State-aided Highway
- State Highway
- Toll Highway
- Private Road
- Reservation Road
- Seasonal Parkway

Streams

- <all other values>

TYPE

- Perennial
- Intermittent
- Rivers
- Bald_Eagle_EH.lyr
- Deer_Wintering_Areas
- Inland_Waterfowl_Wader_Habitat_NRPA
- Counties
- GIS.Towns_polys

DEPARTMENT OF THE ARMY

NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

REPLY TO ATTENTION OF

MAINE PROGRAMMATIC GENERAL PERMIT (PGP)
AUTHORIZATION LETTER AND SCREENING SUMMARY

RECORD HILL WIND, LLC
C/O STANTEC CONSULTING
30 PARK DRIVE
TOPSHAM, MAINE 04086

CORPS PERMIT # NAE-2008-03763
CORPS PGP ID# 09-264
STATE ID# NRPA

DESCRIPTION OF WORK:

Place fill in numerous waterways and wetlands at Roxbury, Maine in order to develop a mountaintop wind power facility with an associated electrical transmission line. The project will result in approximately 13,364 s.f. of permanent wetland impact, 392 s.f. of permanent stream impact, and 30,172 s.f. of overstory

Project Description Continued on Page 2

LAT/LONG COORDINATES 44.6362290° N 70.6309237° W **USGS QUAD:** ROXBURY, ME

I. CORPS DETERMINATION:

Based on our review of the information you provided, we have determined that your project will have only minimal individual and cumulative impacts on waters and wetlands of the United States. **Your work is therefore authorized by the U.S. Army Corps of Engineers under the enclosed Federal Permit, the Maine Programmatic General Permit (PGP).**

You must perform the activity authorized herein in compliance with all the terms and conditions of the PGP [including any attached Additional Conditions and any conditions placed on the State 401 Water Quality Certification including any required mitigation]. Please review the enclosed PGP carefully, including the PGP conditions beginning on page 7, to familiarize yourself with its contents. You are responsible for complying with all of the PGP requirements; therefore you should be certain that whoever does the work fully understands all of the conditions. You may wish to discuss the conditions of this authorization with your contractor to ensure the contractor can accomplish the work in a manner that conforms to all requirements.

If you change the plans or construction methods for work within our jurisdiction, please contact us immediately to discuss modification of this authorization. This office must approve any changes before you undertake them.

Condition 38 of the PGP (page 15) provides one year for completion of work that has commenced or is under contract to commence prior to the expiration of the PGP on October 11, 2010. You will need to apply for reauthorization for any work within Corps jurisdiction that is not completed by October 11, 2011.

This authorization presumes the work shown on your plans noted above is in waters of the U.S. Should you desire to appeal our jurisdiction, please submit a request for an approved jurisdictional determination in writing to the undersigned.

No work may be started unless and until all other required local, State and Federal licenses and permits have been obtained. **This includes but is not limited to a Flood Hazard Development Permit issued by the town if necessary.** Also, this permit requires you to notify us before beginning work and allow us to inspect the project. Hence, you must complete and return the attached Work Start Notification Form(s) to this office no later than 2 weeks before the anticipated starting date. (For projects requiring mitigation, be sure to include the MITIGATION WORK START FORM).

II. STATE ACTIONS: PENDING [ ], ISSUED[X], DENIED [ ] DATE 8/20/09

APPLICATION TYPE: PBR ___ TIER 1: ___ TIER 2: ___ TIER 3: X LURC: ___ DMR LEASE: ___ NA: ___

III. FEDERAL ACTIONS:

JOINT PROCESSING MEETING: 8/13/09 LEVEL OF REVIEW: CATEGORY 1: ___ CATEGORY 2 X

AUTHORITY (Based on a review of plans and/or State/Federal applications): SEC 10 ___, 404 X 10/404 ___, 103

EXCLUSIONS: The exclusionary criteria identified in the general permit do not apply to this project.

FEDERAL RESOURCE AGENCY OBJECTIONS: EPA NO, USF&WS NO, NMFS NO

If you have any questions on this matter, please contact my staff at 207-623-8367 at our Manchester, Maine Project Office. In order for us to better serve you, we would appreciate your completing our Customer Service Survey located at http://per2.nwp.usace.army.mil/survey.html

Jay L. Clement
JAY L. CLEMENT
SENIOR PROJECT MANAGER
MAINE PROJECT OFFICE

For Jay L. Clement 11/9/09
PHILIP T. FEIR **DATE**
COLONEL, CORPS OF ENGINEERS
DISTRICT ENGINEER

US Army Corps
of Engineers
New England District

Project Description Continued from Page 1

vegetation clearing in wetlands. This work is shown on the attached plans entitled "RECORD HILL WIND, RECORD HILL WIND LLC" in 13 sheets with multiple dates.

SPECIAL CONDITIONS FOR
DEPARTMENT OF THE ARMY
PROGRAMMATIC GENERAL PERMIT
NO. NAE-2008-03763

1. This authorization requires you to 1) notify us before beginning work so we may inspect the project, and 2) submit a Compliance Certification Form. You must complete and return the enclosed Work Start Notification Form(s) to this office at least two weeks before the anticipated starting date. You must complete and return the enclosed Compliance Certification Form within one month following the completion of the authorized work and any required mitigation (but not mitigation monitoring, which requires separate submittals).

2. The permittee shall assure that a copy of this permit is at the work site whenever work is being performed and that all personne performing work at the site of the work authorized by this permit are fully aware of the terms and conditions of the permit. This permit, including its drawings and any appendices and other attachments, shall be made a part of any and all contracts and sub-contracts for work which affects areas of Corps of Engineers' jurisdiction at the site of the work authorized by this permit. This shall be done by including the entire permit in the specifications for the work. If the permit is issued after construction specifications but before receipt of bids or quotes, the entire permit shall be included as an addendum to the specifications. The term "entire permit" includes permit amendments. Although the permittee may assign various aspects of the work to different contractors or sub-contractors, all contractors and sub-contractors shall be obligated by contract to comply with all environmental protection provisions of the entire permit, and no contract or sub-contract shall require or allow unauthorized work in areas of Corps of Engineers jurisdiction.

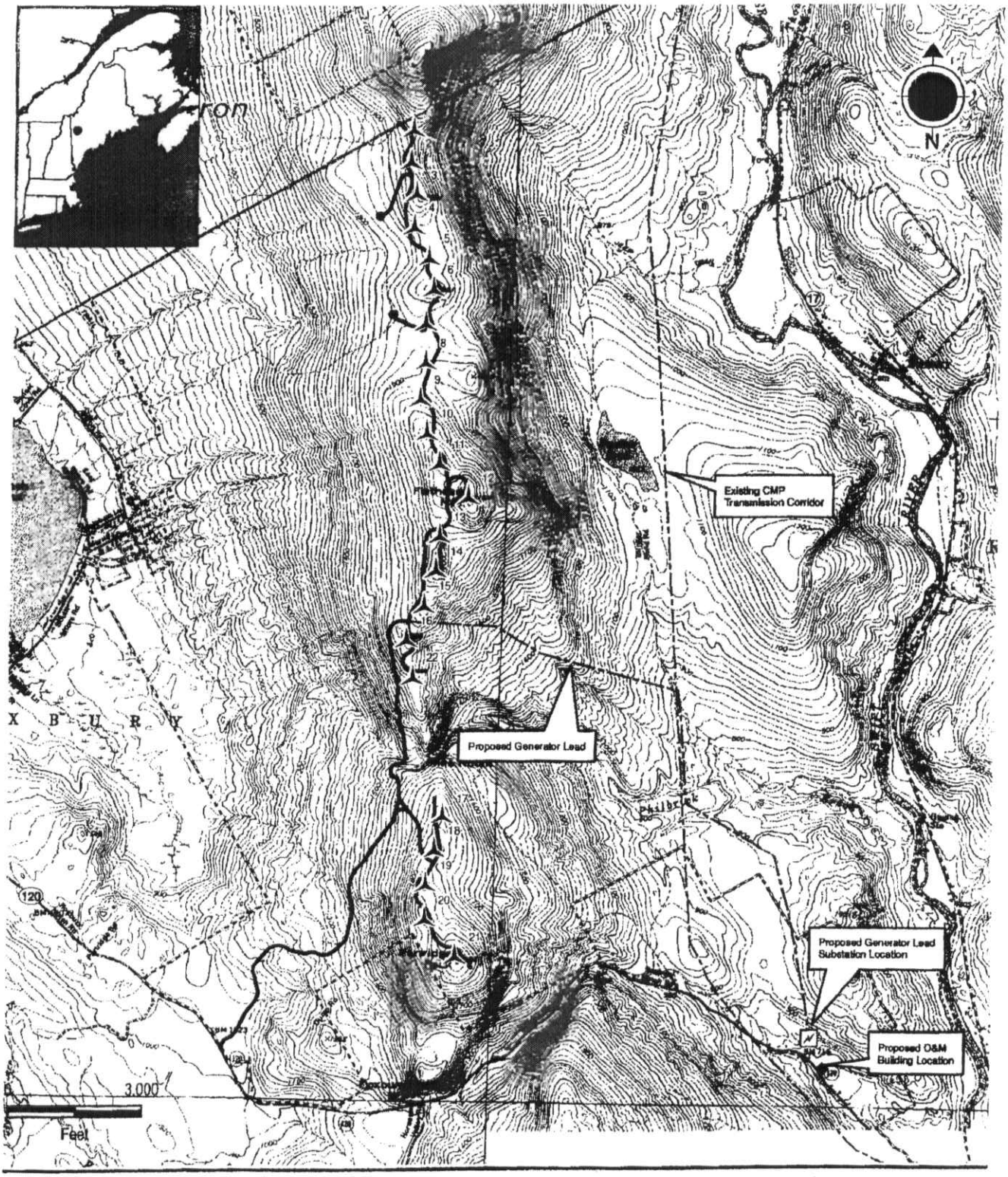
3. Adequate sedimentation and erosion control devices, such as geotextile silt fences or other devices capable of filtering the fines involved, shall be installed and properly maintained to minimize impacts during construction. These devices must be removed upon completion of work and stabilization of disturbed areas. The sediment collected by these devices must also be removed and placed upland, in a manner that will prevent its later erosion and transport to a waterway or wetland.

4. All exposed soils resulting from the construction will be promptly seeded and mulched in order to achieve vegetative stabilization.

5. In order to fulfill the requirements of Section 106 of the National Historic Preservation Act of 1966, the permittee shall implement the stipulations contained in the attached Memorandum of Agreement.

6. Mitigation shall consist of payment of **$15,025.66** to the Natural Resource Mitigation Fund. The Corps will provide a completed ILF Project Data Worksheet which must be mailed with a cashiers check or bank draft, made out to "Treasurer, State of Maine", with the permit number noted on the check. The check and worksheet should be mailed to: ME DEP, Attn: ILF Program Administrator, State House Station 17, Augusta, ME 04333. **This authorization is not valid until** the permittee provides the Corps with a copy of the check, with the permit number noted on the check. The ILF amount is only valid for a period of one year from the date on the authorization letter. After that time, the project would need to be reevaluated and a new amount determined.

7. In order to minimize potential long-term impacts to bald eagles from wind turbine operations, the permittee shall develop a final Eagle Risk Minimization Plan. This plan shall be developed in consultation with US Fish & Wildlife Service ("USFWS") and Maine Inland Fisheries & Wildlife ("ME IF&W"). The plan shall be provided to the Corps, USFWS, and ME IF&W at least 60 days prior to commencement of commercial operations.



Stantec Consulting Services Inc.
30 Park Drive
Topsham, ME USA
04086
Phone (207) 729-1199
Fax: (207) 729-2715
www.stantec.com

Stantec

00115-00-8.5x11_USGS_location.mxd

Legend

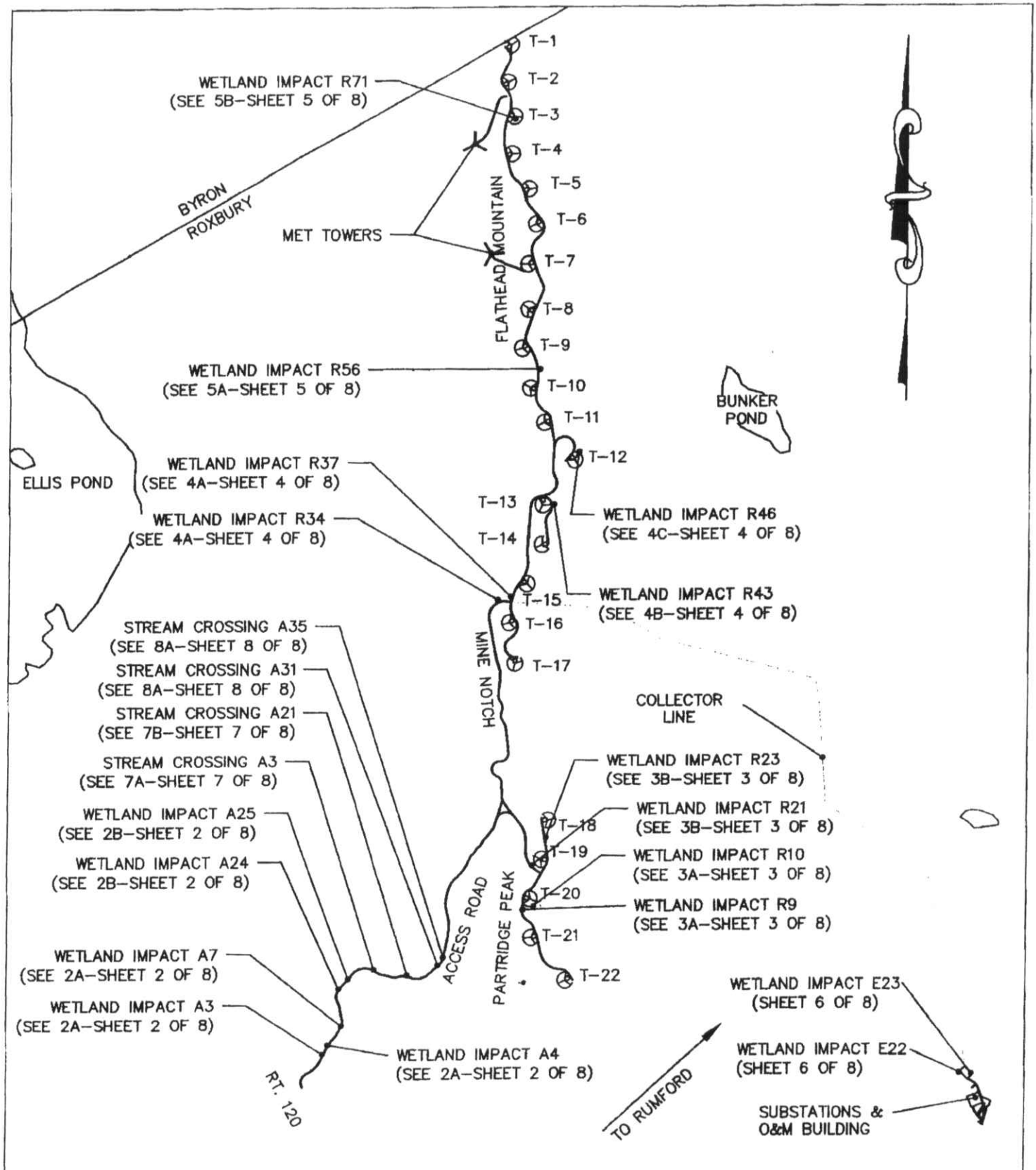
- Proposed Turbine
- Proposed Access Roads and Crane Paths
- Proposed Permanent MET Tower
- Wagner Lands

Client/Project
Record Hill Wind, LLC
Record Hill Wind
Roxbury, Maine

Figure No.

Title
Project Site Map
July 22, 2009

RECORD HILL WIND
RECORD HILL WIND LLC



Project No.

61040E

Engineer

SEWALL

JAMES W. SEWALL COMPANY / *Since 1880*

SEWALL.COM 800 648 4202

AN INTEGRATED TEAM OF GEOSPATIAL, ENGINEERING, SURVEYING AND NATURAL RESOURCE CONSULTANTS

RECORD HILL WIND
RECORD HILL WIND LLC

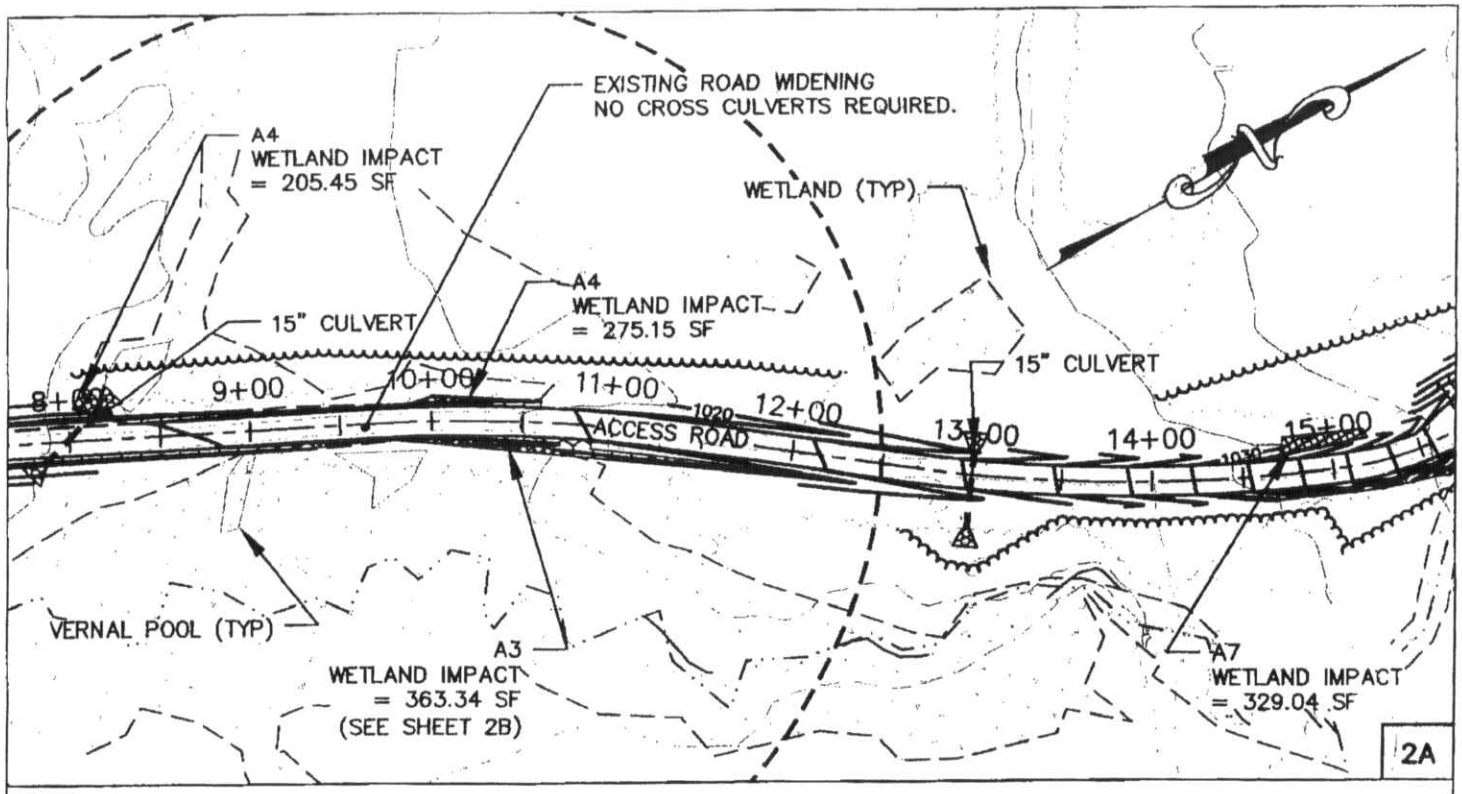
Project Location	Date	Drawn by	Checked by
ROXBURY, MAINE	7/23/09	MT	BCH

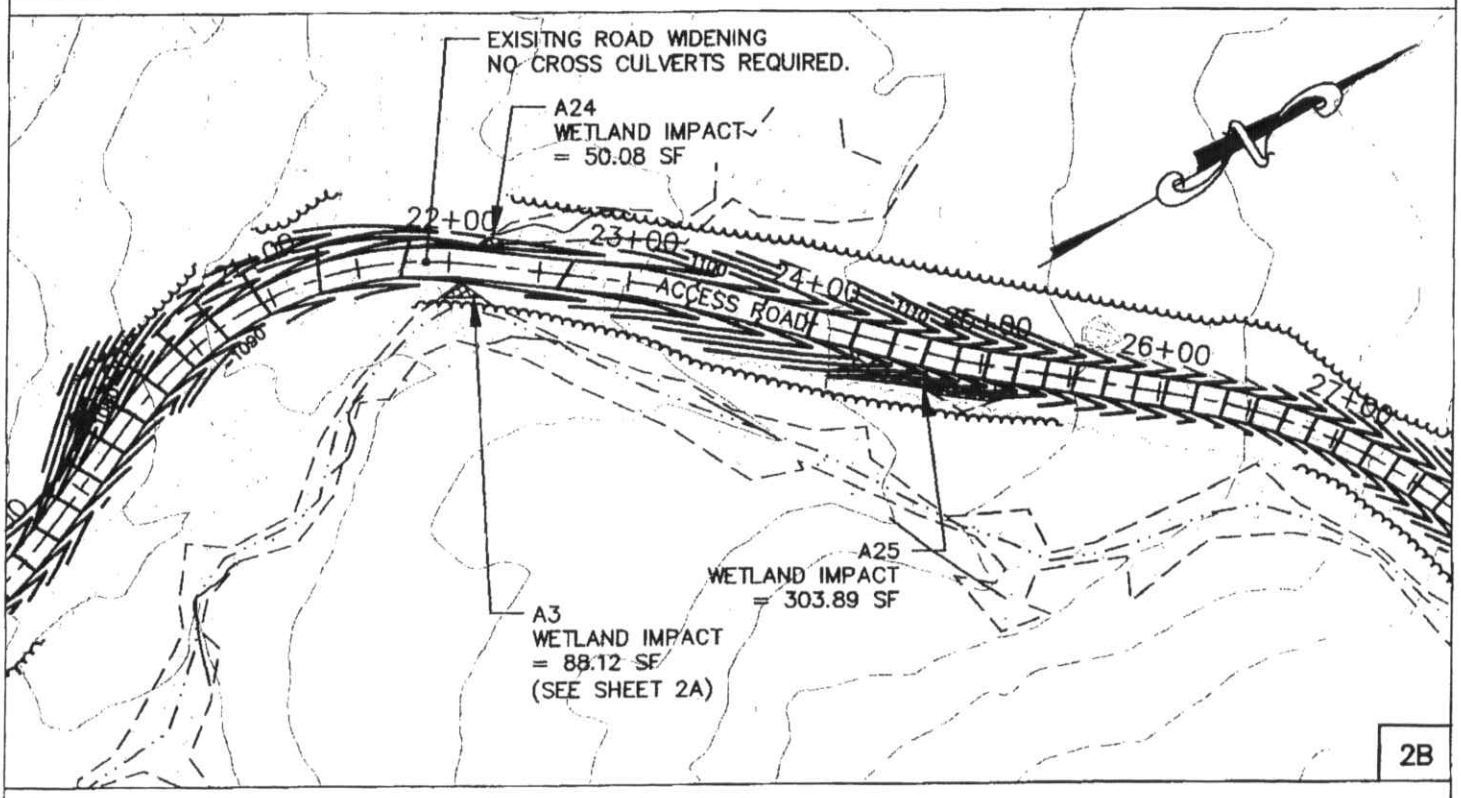
Drawing Description

WETLAND IMPACT AREAS
INDEX SHEET 1 OF 8

Scale: 1"=2500'

2009-07-23 Army Corps Engineering 8x11 Wetlands.dwg





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RECORD HILL WIND LLC

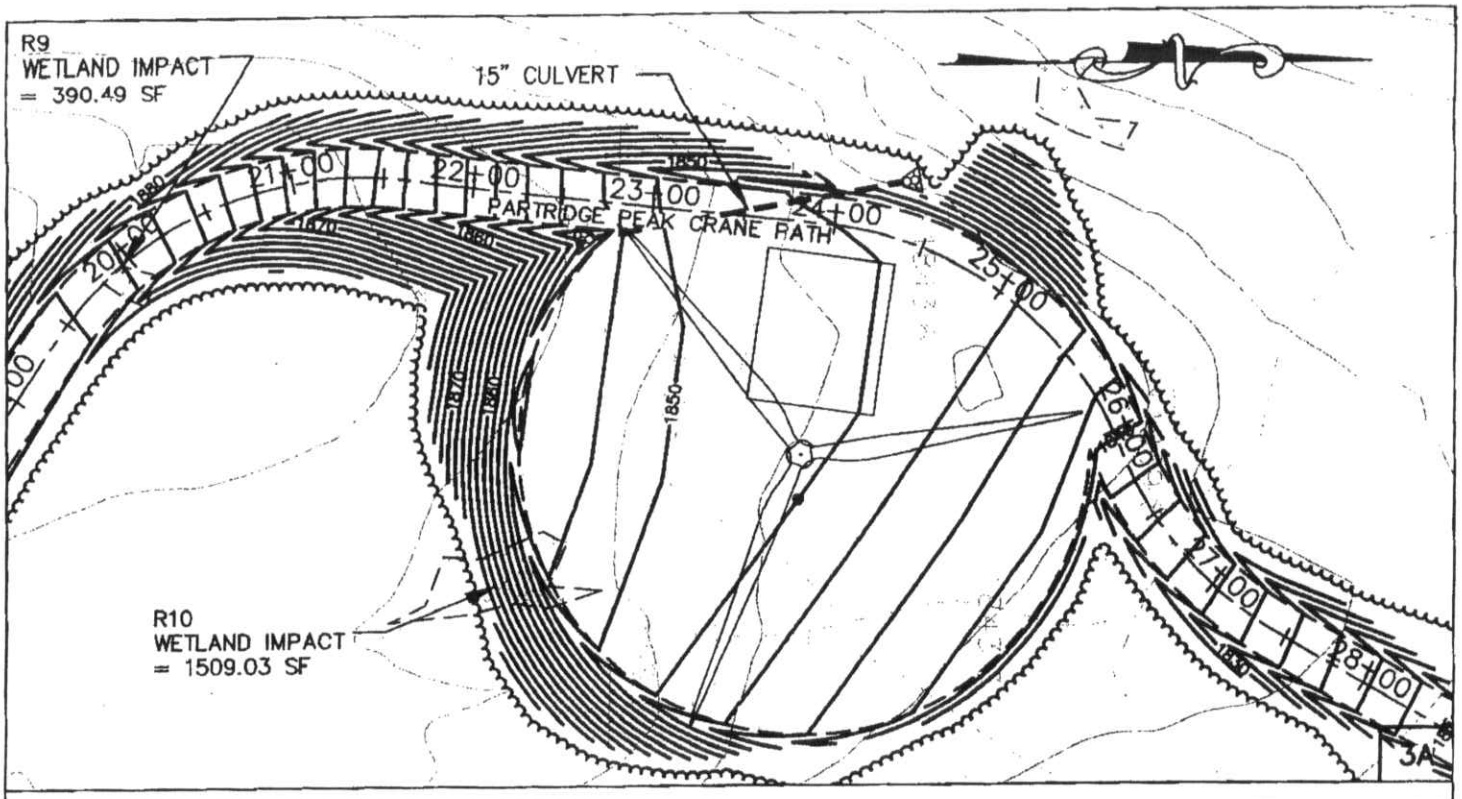
Project Location	Date	Drawn by	Checked by
ROXBURY, MAINE	7/23/09	MT	BCH

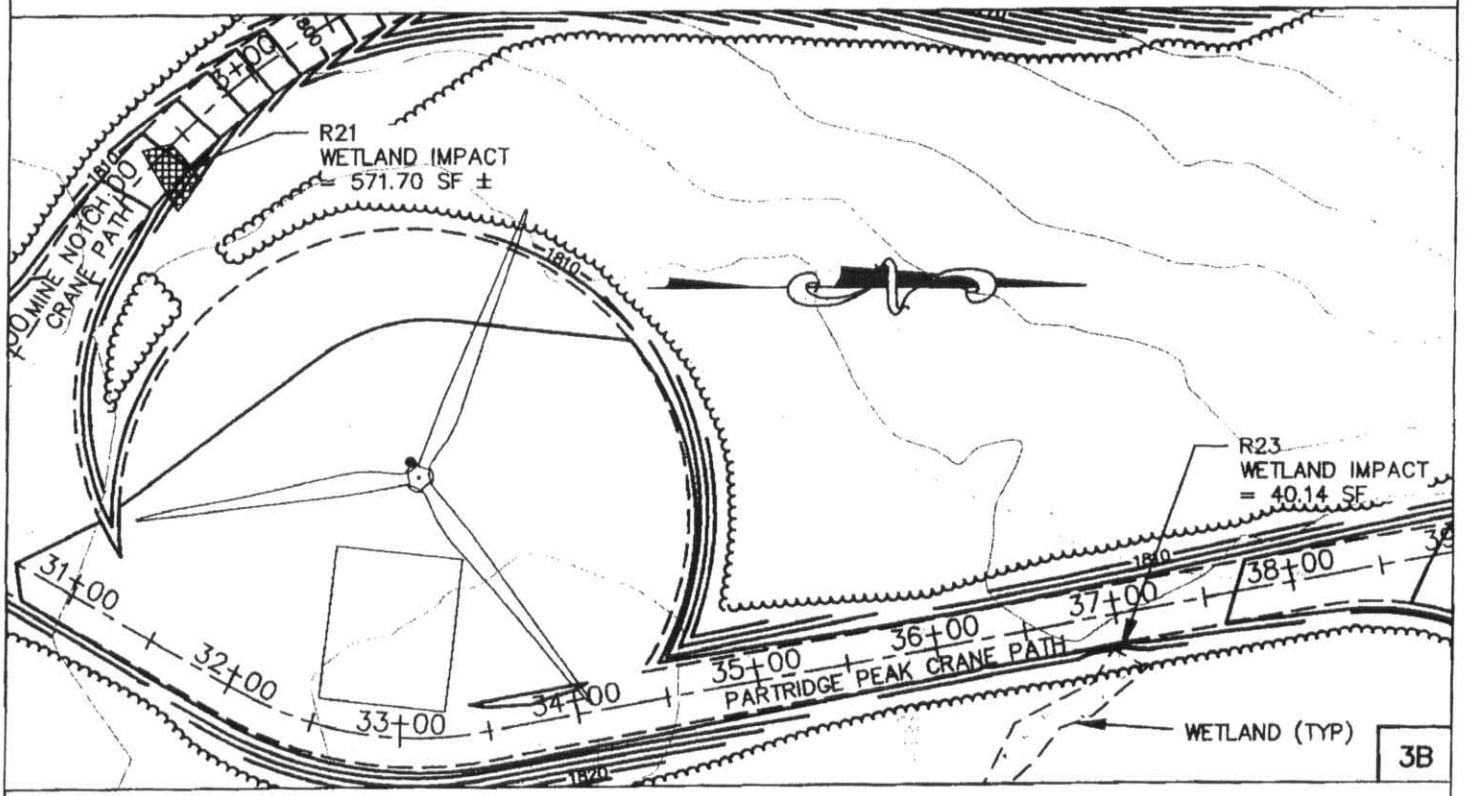
Drawing Description

WETLAND IMPACT AREAS
2 OF 8

Scale: 1"=100'

2009-07-23 Army Corps Engineering Sic I Wetlands.dwg





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RECORD HILL WIND
RECORD HILL WIND LLC

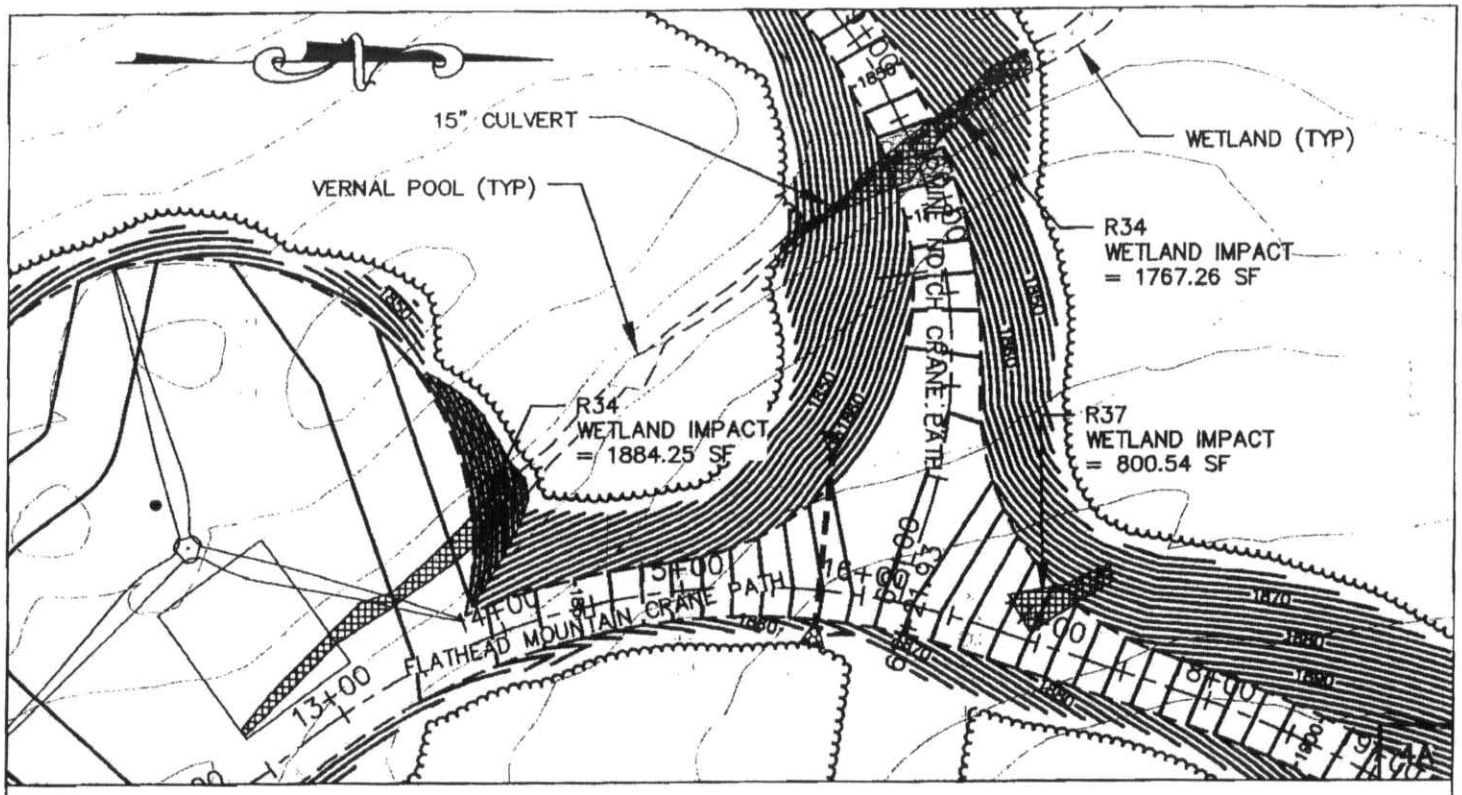
Project Location	Date	Drawn by	Checked by
ROXBURY, MAINE	7/23/09	MT	BCH

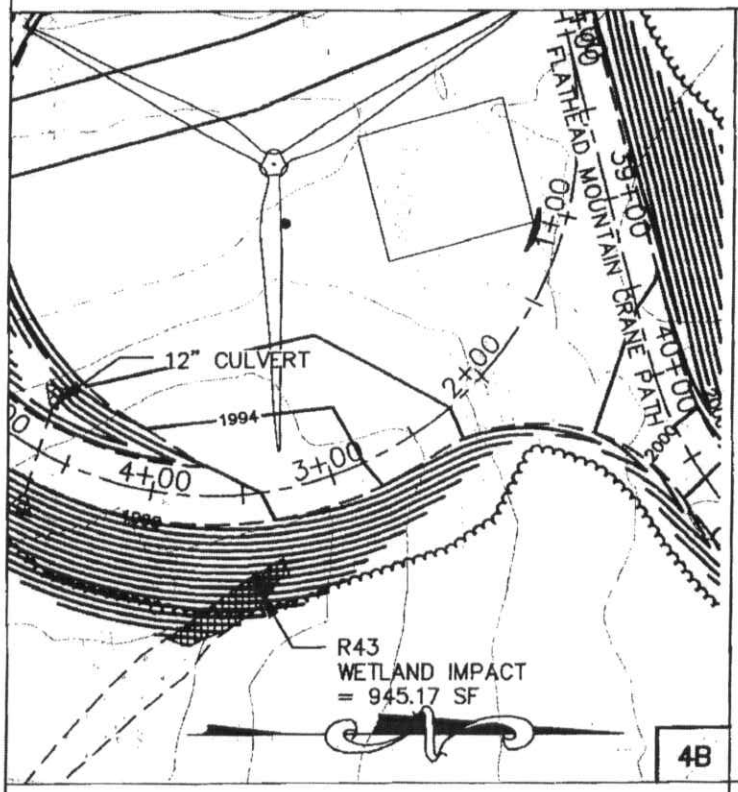
Drawing Description

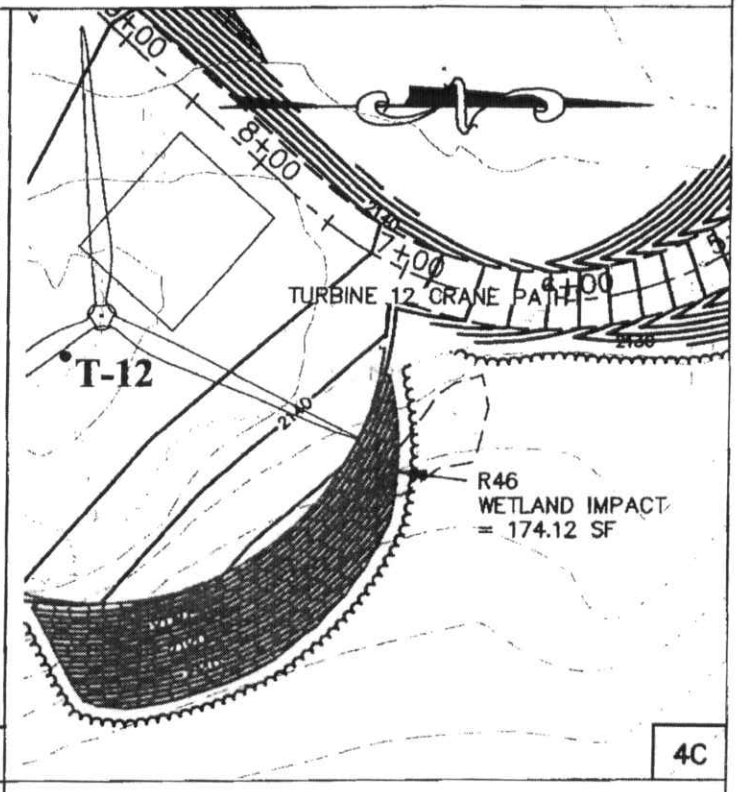
WETLAND IMPACT AREAS
3 OF 8

Scale: 1"=100'

2009-07-23 Army Corps Engineering Sht1 Wetlands.dwg







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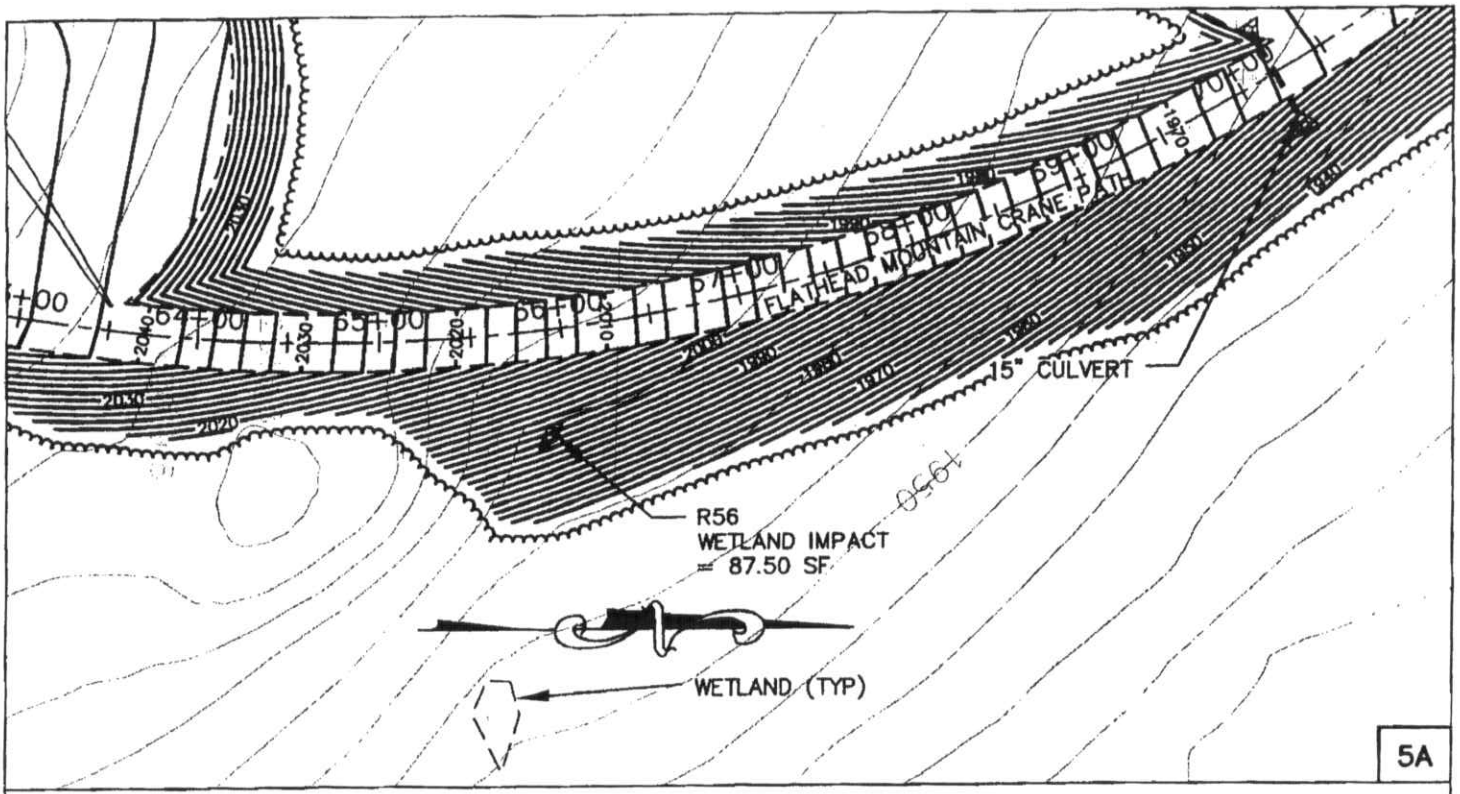
RECORD HILL WIND
RECORD HILL WIND LLC

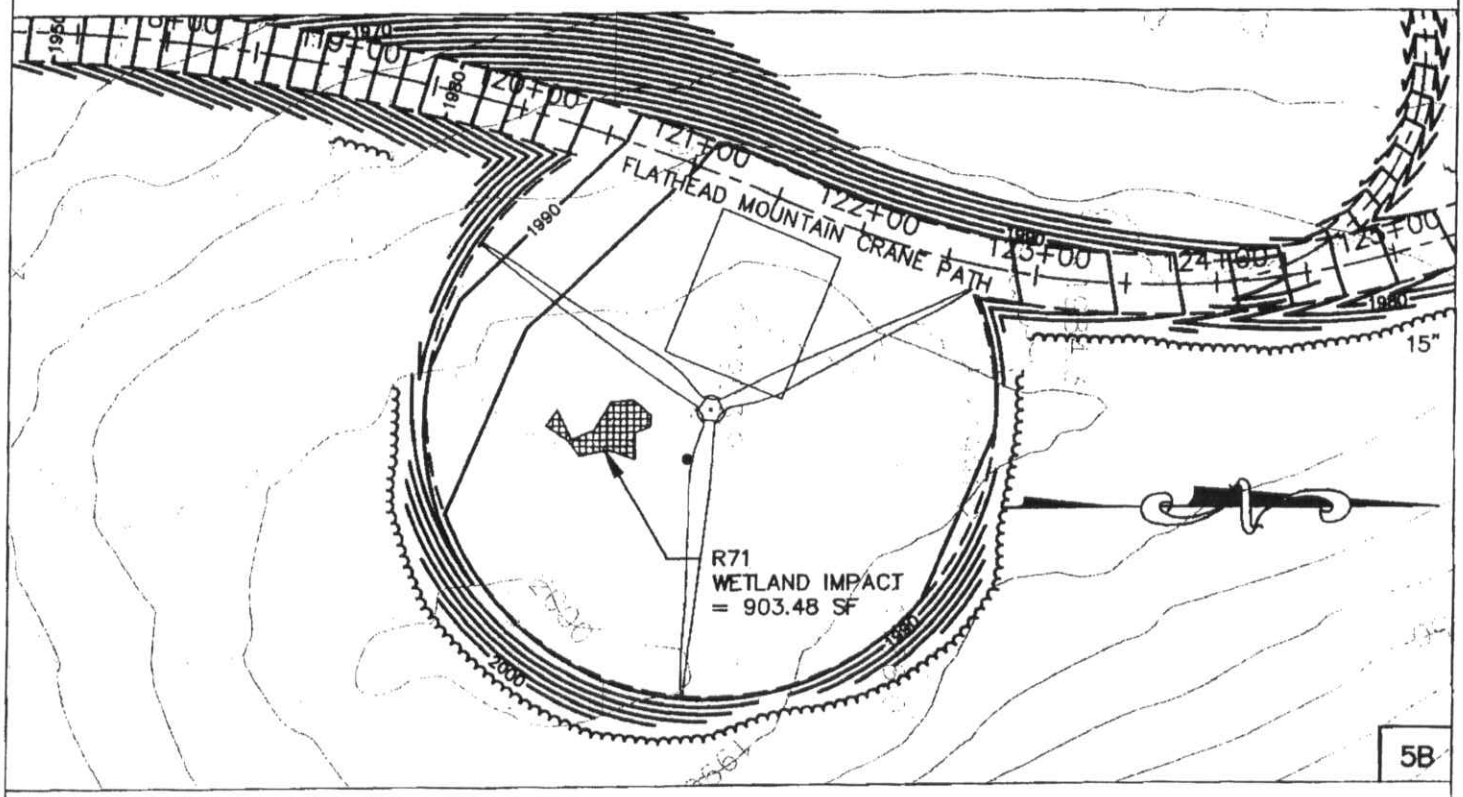
Project Location	Date	Drawn by	Checked by
ROXBURY, MAINE	7/23/09	MT	BCH

Drawing Description

WETLAND IMPACT AREAS
4 OF 8

Scale: 1"=100'





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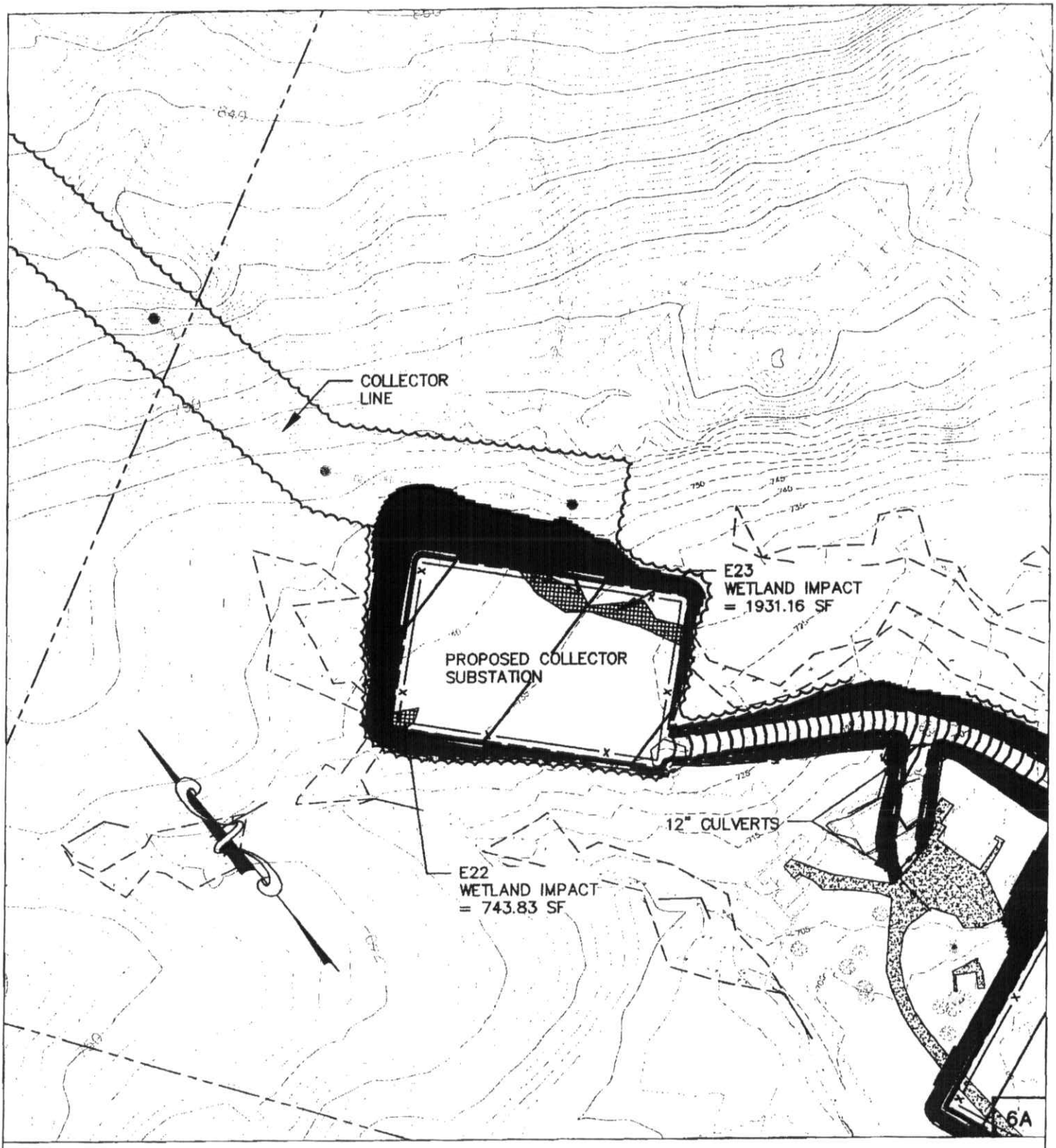
RECORD HILL WIND
RECORD HILL WIND LLC

Project Location	Date	Drawn by	Checked by
ROXBURY, MAINE	7/23/09	MT	BCH

Drawing Description

WETLAND IMPACT AREAS
5 OF 8

Scale: 1"=100'



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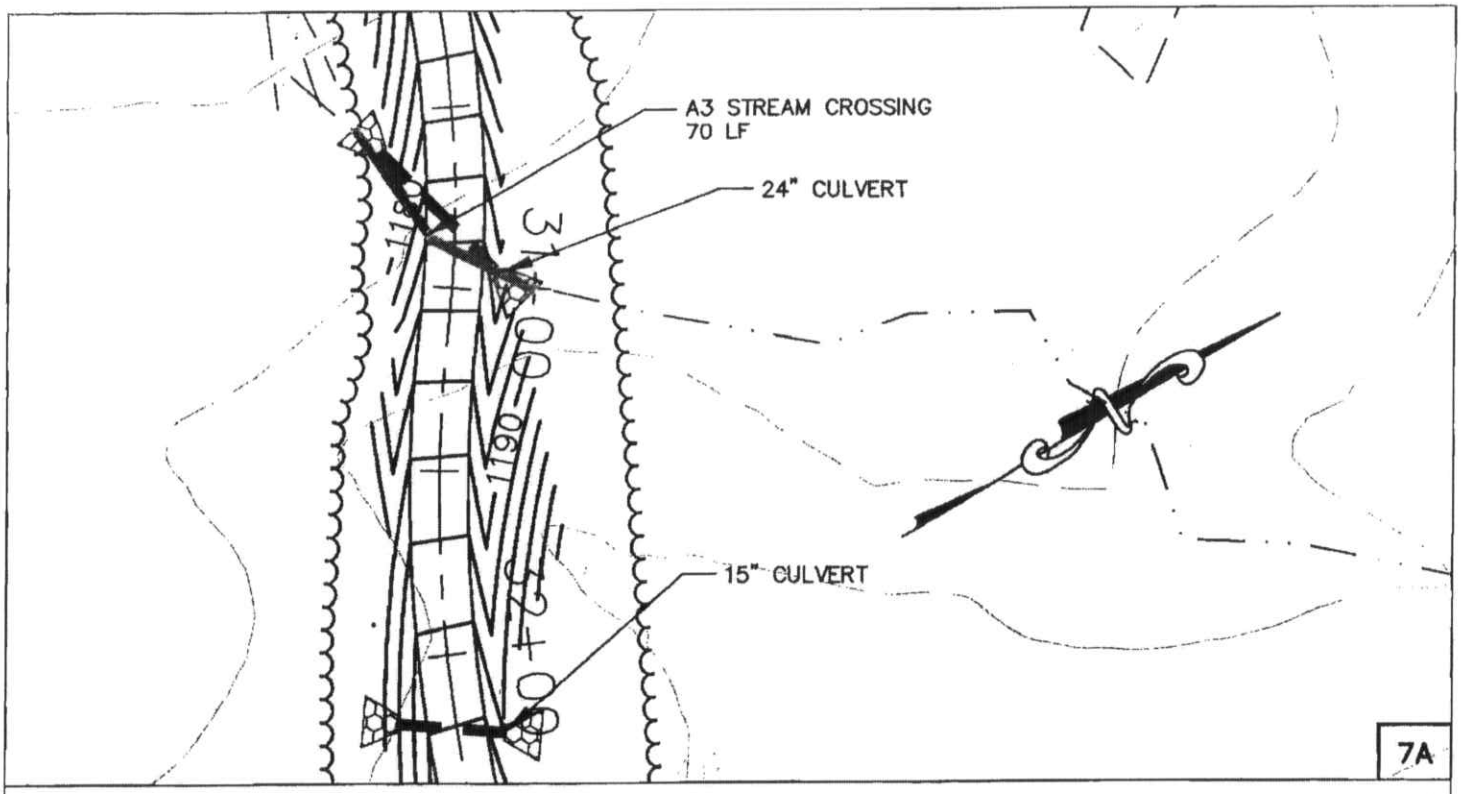
RECORD HILL WIND
RECORD HILL WIND LLC

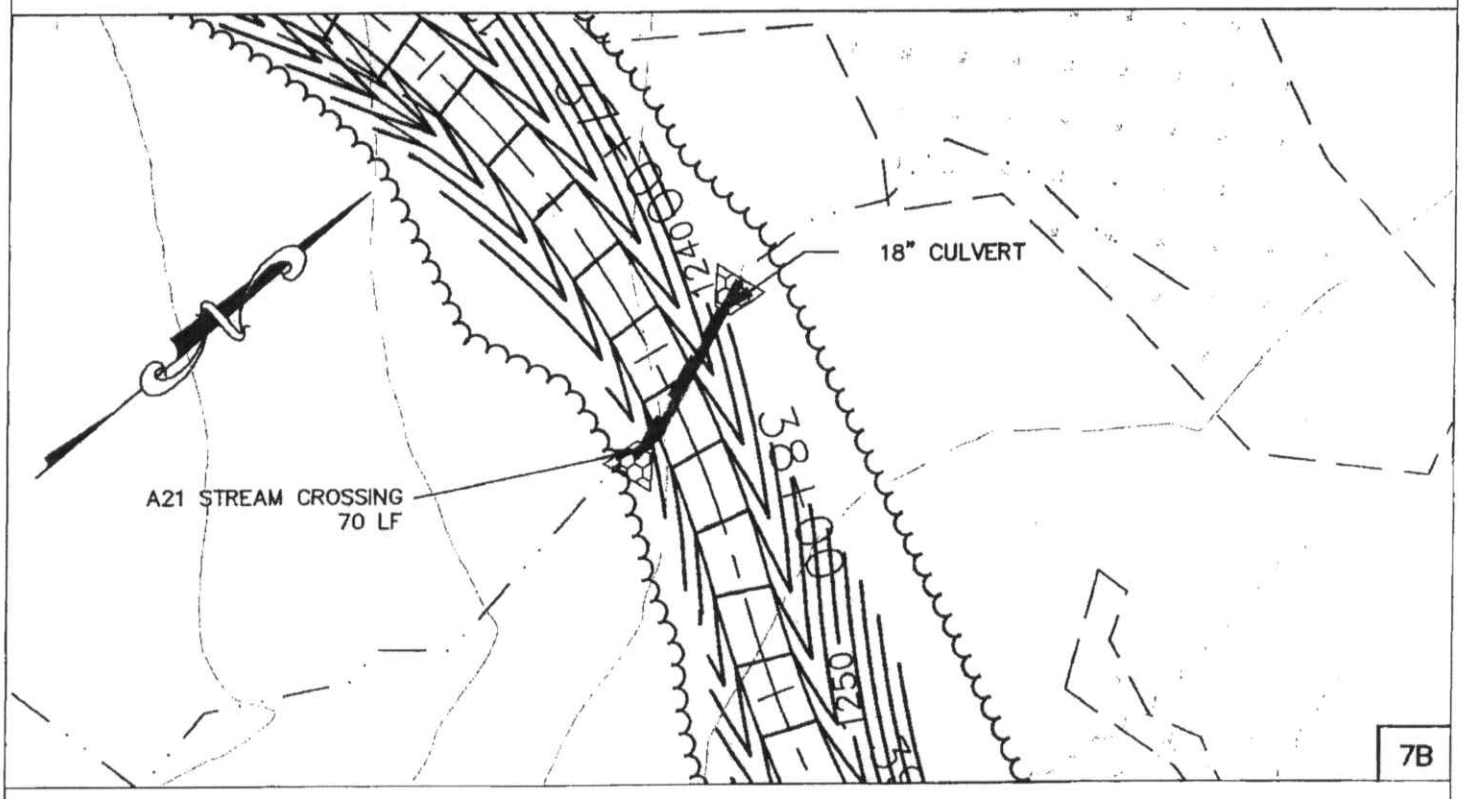
Project Location	Date	Drawn by	Checked by
ROXBURY, MAINE	7/23/09	MT	BCH

Drawing Description

WETLAND IMPACT AREAS
6 OF 8

Scale: 1"=100'





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RECORD HILL WIND
RECORD HILL WIND LLC

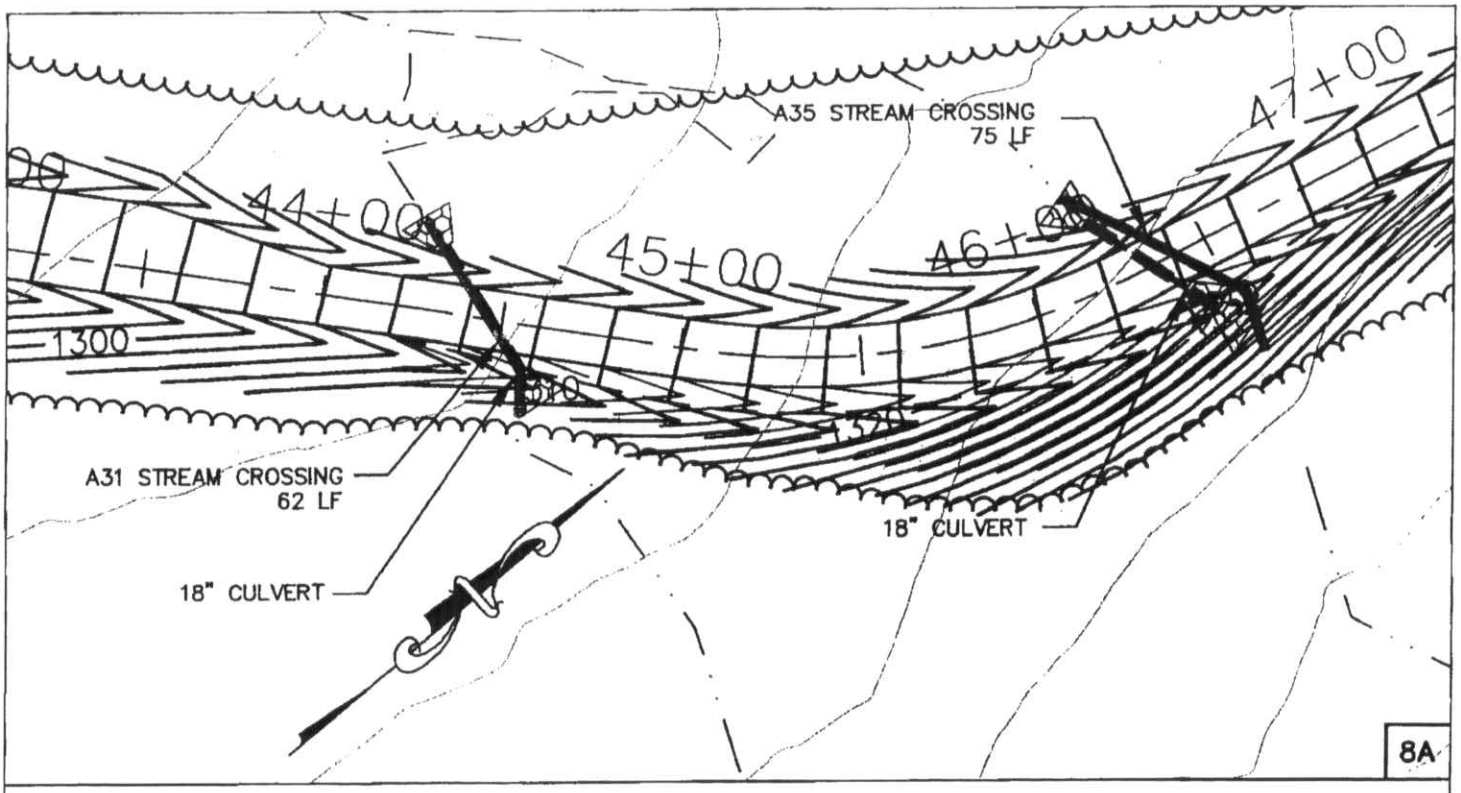
Project Location	Date	Drawn by	Checked by
ROXBURY, MAINE	7/23/09	MT	BCH

Drawing Description

STREAM CROSSING AREAS
7 OF 8

Scale: 1"=50'

2009-07-09 Army Corps Engineering Bd 1 Wetlands.dwg



Project No.

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RECORD HILL WIND
RECORD HILL WIND LLC

Project Location	Date	Drawn by	Checked by
ROXBURY, MAINE	7/23/09	MT	BCH

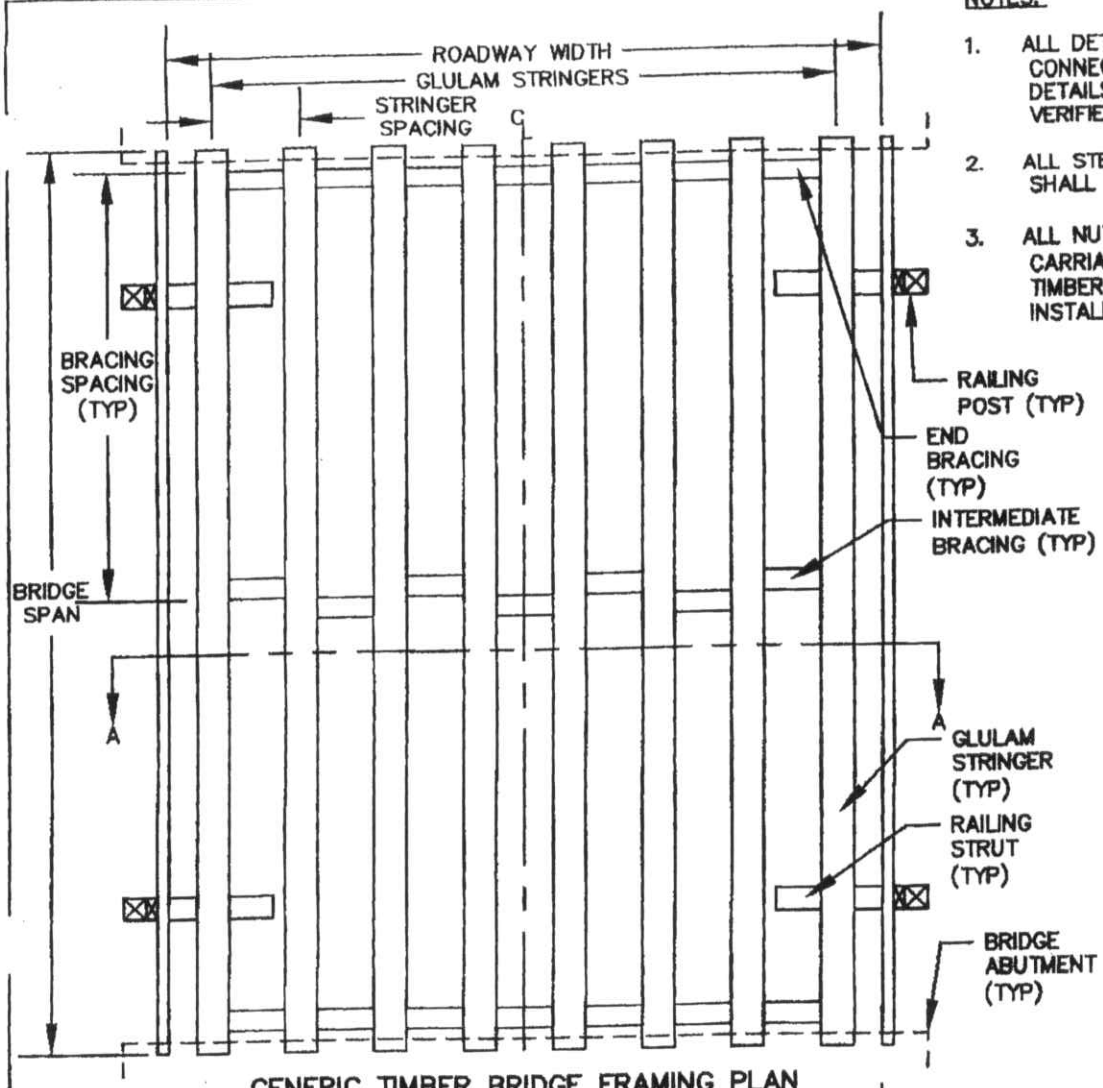
Drawing Description

STREAM CROSSING AREAS
8 OF 8

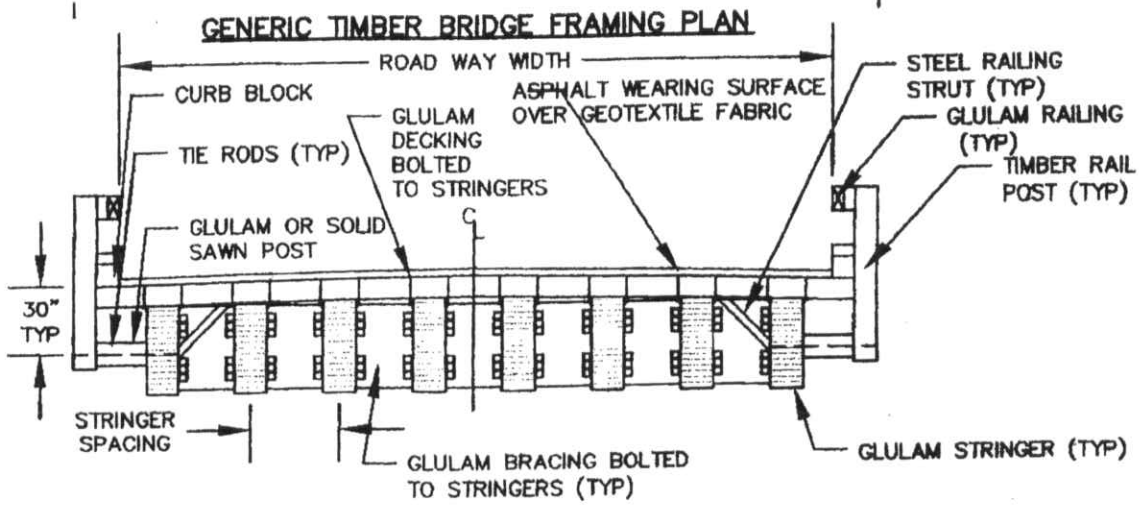
Scale: 1"=50'

NOTES:

1. ALL DETAILS, MEMBERS SIZES & CONNECTIONS ARE SUGGESTED DETAILS ONLY AND ARE TO BE VERIFIED BY THE DESIGNER.
2. ALL STEEL SHALL BE A36 AND SHALL BE GALVANIZED.
3. ALL NUTS & BOLT HEADS (EXCEPT CARRIAGE TYPE) IN CONTACT WITH TIMBER SHALL HAVE WASHERS INSTALLED.



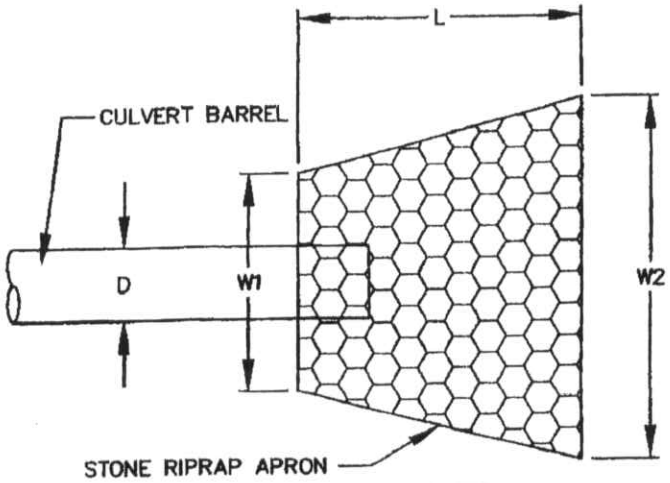
GENERIC TIMBER BRIDGE FRAMING PLAN



A–A TRANSVERSE SECTION OF GENERIC TIMBER BRIDGE

Project No.			
61040E			
Engineer			
SEWALL — JAMES W. SEWALL COMPANY /Since 1880 — SEWALL.COM — 800 648 4202 — AN INTEGRATED TEAM OF GEOSPATIAL, ENGINEERING, SURVEYING AND NATURAL RESOURCE CONSULTANTS			
Project Location	Date	Drawn by	Checked by
ROXBURY, MAINE	12/01/08	JH	BCH
Drawing Description		Scale:	NTS
BRIDGE DETAIL			

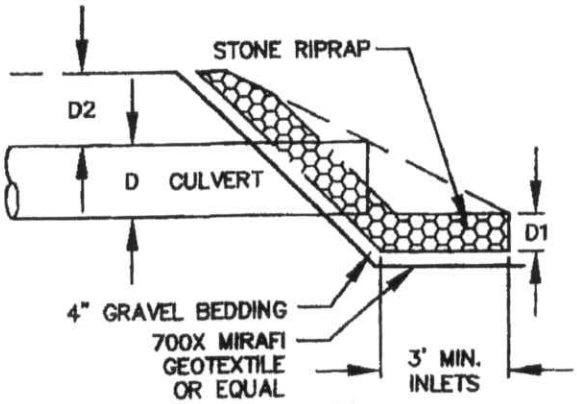
RECORD HILL WIND
RECORD HILL WIND LLC



D	W1	W2	L	d50
15"	4'	14'	10'	4"
18"	5'	15'	10'	6"
24"	6'	16'	12'	6"

NOTES
1. THE RIPRAP APRON SHALL BE CONSTRUCTED WITH NO SLOPE ALONG ITS LENGTH.

CULVERT OUTLET DETAIL
PLAN VIEW
NOT TO SCALE



D	D1	D2 INLET	D2 OUTLET
15"	9"	24"	12"
18"	13.5"	24"	12"
24"	13.5"	36"	12"

CULVERT INLET/OUTLET DETAIL
PLAN VIEW
NOT TO SCALE

Project No.
61040E

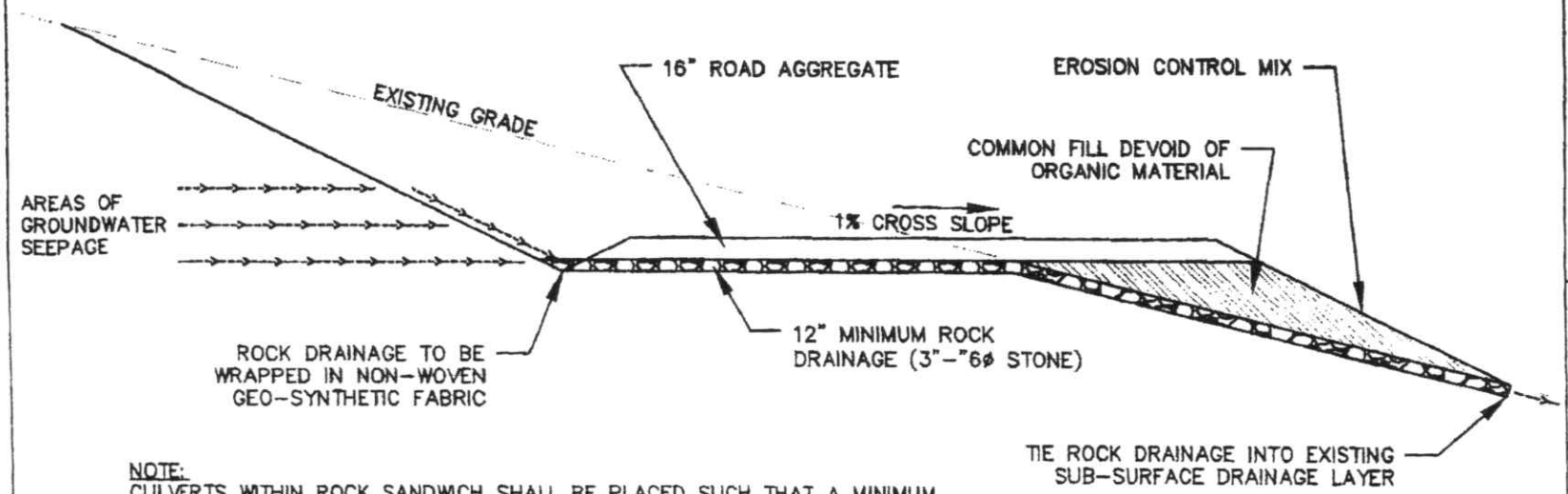
Engineer
SEWALL
JAMES W. SEWALL COMPANY /*Since 1880*
SEWALL.COM 800 648 4202

AN INTEGRATED TEAM OF GEOSPATIAL, ENGINEERING, SURVEYING AND NATURAL RESOURCE CONSULTANTS

RECORD HILL WIND
RECORD HILL WIND LLC

Project Location	Date	Drawn by	Checked by
ROXBURY, MAINE	12/01/08	JH	BCH

Drawing Description: **CULVERT DETAIL**
Scale: NTS



NOTE:
CULVERTS WITHIN ROCK SANDWICH SHALL BE PLACED SUCH THAT A MINIMUM OF 6" OF 3"-6" STONE IS BELOW INVERT.

ROCK SANDWICH TYPICALLY UTILIZED IN ROADWAY CUTS TRAVERSING AREAS WITH SHALLOW GROUNDWATER

TYPICAL ROCK SANDWICH DETAIL

NOT TO SCALE

RECORD HILL WIND
RECORD HILL WIND LLC

Project Location	Date	Drawn by	Checked by
ROXBURY, MAINE	12/01/08	JH	BCH

Drawing Description: **ROCK SANDWICH DETAIL**

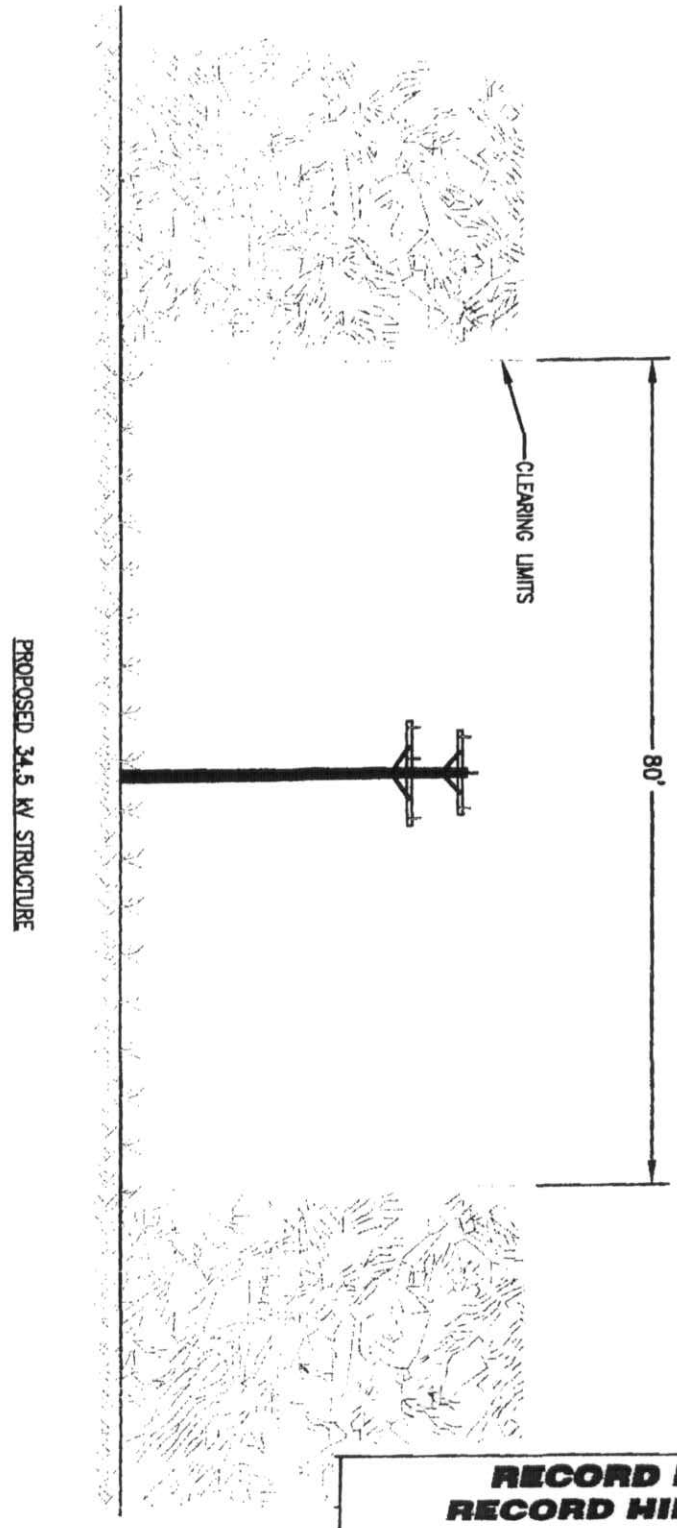
Scale: NTS

Project No. **61040E**

Engineer

SEWALL
JAMES W. SEWALL COMPANY /Since 1880
800 648 4202
SEWALL.COM

AN INTEGRATED TEAM OF GEOSPATIAL, ENGINEERING, SURVEYING AND NATURAL RESOURCE CONSULTANTS



RECORD HILL WIND
RECORD HILL WIND LLC

ISSUED FOR REVIEW - NOT FOR CONSTRUCTION

JOB NO.: 748002

TYPICAL RIGHT-OF-WAY CROSS SECTION
RECORD HILL WIND PROJECT
34.5 kV COLLECTOR SYSTEM
OXFORD COUNTY, MAINE

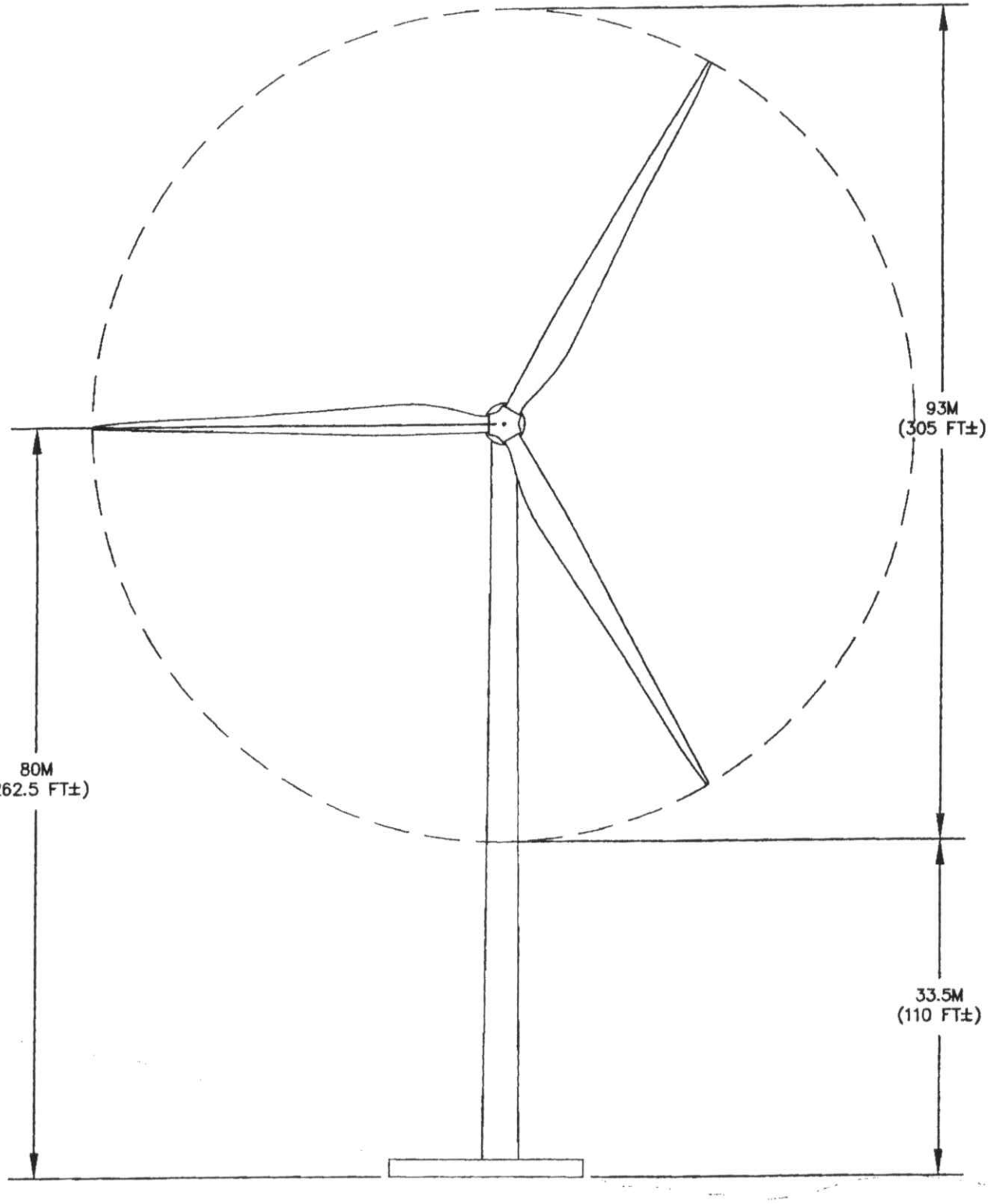
PREPARED FOR:
RECORD HILL WIND, LLC
110 FORESIDE ROAD
CUMBERLAND FORESIDE, MAINE 04110

DWG NO.: 101-900 DATE: JULY 27, 2009 DRAWN: MGL SCALE: NTS

SGC

SGC ENGINEERING, LLC
- Civil Design & Survey Engineering
- Environmental & Regulatory Permitting
- Electrical Power Systems Engineering

Offices - Westbrook & Orono, Maine
South Burlington, Vermont
Farmington, New Mexico



Project No.

61040E

Engineer

SEWALL

JAMES W. SEWALL COMPANY /*Since 1880*

SEWALL.COM 800 648 4202

AN INTEGRATED TEAM OF GEOSPATIAL, ENGINEERING, SURVEYING AND NATURAL RESOURCE CONSULTANTS

RECORD HILL WIND
RECORD HILL WIND LLC

Project Location	Date	Drawn by	Checked by
ROXBURY, MAINE	7/29/09	JH	BCH

Drawing Description

Scale: NTS

TURBINE PROFILE

Table E-1. Wetland and Stream Impact Summary – Record Hill Wind Project

Wetland Impacts	Permanent fill* (sq. ft.)	Permanent Clearing (sq. ft.)**	Stream impact—culverts (sq. ft.)
Access, Ridge & O&M Site	13,364	0	392
Generator Lead Line	0	30,172	0
TOTAL	13,364	30,172	392

Notes:
* Permanent fill in wetlands are those areas where fill will be placed and not removed after construction. Because of slopes present on the Project site, toe of grading extends beyond what is necessary to clear.
**The Project area is confined within a parcel utilized for commercial timber harvesting; this includes the entire area to be cleared for the electrical collector line system.

THE FACE OF THIS DOCUMENT IS PRINTED GREEN - THE BACK CONTAINS A SIMULATED WATERMARK

Mascoma Savings Bank

54-7021
2117

CHECK NO.
2180

Nov 10, 2009

Record Hill Wind LLC
P.O. Box 160
Lyme, NH 03768

PAY ***Fifteen Thousand Twenty-Five Dollars And 66 Cents*** **$15,025.66**

TO The Order Of
Treasurer, State of Maine - Augusta DEP
State House Station 17
Augusta ME 04333-0017

Thomas J Colgan
Tom Colgan

MP

In Lieu Fee

⑈0000002180⑈ ⑆211770213⑆926 78 304 1⑈

014 06A1776141142

PAY TO: **Treasurer, State of Maine - Augusta DEP**
State House Station 17
Augusta ME 04333-0017

Record Hill Wind LLC

Page 1

VENDOR NO.	CHECK DATE	CHECK NO.	PAYMENT NO.	CHECK TOTAL
9045	11/10/2009	2180	000000000000106109	$15,025.66

OUR DOCUMENT NO.	YOUR INVOICE NO.	DATE	NOTE	INVOICE AMOUNT	AMOUNT PAID
ACCT0994380	Wetlands Permit	11/10/2009		$15,025.66	$15,025.66
				$15,025.66	**$15,025.66**

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2009 NOV 13 A 9:25
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