The State of New Hampshire

Department of Environmental Services

Michael P. Nolin Commissioner

June 19, 2006



REQUEST FOR MORE INFORMATION

Jeffrey Keeler Lempster Wind, LLC c/o Community Energy, Inc. 150 Strafford Ave, Suite 110 Wayne, PA 19087

RE: File #2006-00663

Project Owner: Lempster Wind, LLC

Project Location: Off Bean Mountain Road, Lempster

Dear Mr. Keeler:

The Department of Environmental Services (DES) Wetlands Bureau has reviewed the abovereferenced application and has determined that the following additional information is needed to continue our review. Please note that your project is being classified as a Major Impact project.

- 1) Please submit a full plan set that meets the requirements of Env-Wt 501.02(a)(2) to the DES Wetlands Bureau. The plans should illustrate all wetlands delineated for the proposed project, the proposed road, existing and proposed topography, culvert dimensions, the turbine pads, the wetland flag numbers, and any other details that may be relevant to the review of your application;
- 2) Per Env-Wt 301.01, any plan required by RSA 482-A that is submitted in support of applications for dredge and fill of wetlands as defined in Env-Wt 101.99 that are classified as major or minor projects in accordance with Env-Wt 303.02 and Env-Wt 303.03 respectively, shall be stamped by the NH Certified Wetland Scientist who delineated the wetland boundaries for the proposed project;
- 3) Per Env-Wt 301.02, wetlands classifications shall be identified on the plans for all major projects involving dredge and/or fill of wetlands;
- 4) For crossings that impact intermittent streams, please indicate the length of channel (measured along the thread of the channel) impacted by the proposed project on your site plans and in your wetlands impact summary. Please submit a revised wetlands impact summary;
- 5) Are any wetlands impacts necessary for the construction of the turbine pads for Towers G-2. G-11, or G-12? Please revise your site plans and wetlands impact summary, as necessary;
- 6) Please provide a construction and restoration sequence for the crossing of Cold Brook with the underground cable conduit;
- 7) Please provide recent photos of the wetlands impact areas (taken during the growing season);

06/20/2006

- 8) Please verify and provide documentation that all abutters to the proposed project have been notified. A check of the tax map and the abutters list submitted with your application indicates that some abutters may not have been notified;
- 9) A letter from the US Army Corps of Engineers (ACOE) dated June 6, 2006 states that the project is ineligible for review under the State Programmatic General Permit (SPGP) and that an Individual Permit is required. The letter states that since an Individual Permit is required, a Section 401 Water Quality Certification is required from the DES Wetlands Bureau. Please note that Section 401 Water Quality Certificates are issued by the DES Watershed Management Bureau. You may contact the DES Watershed Management Bureau at (603) 271-2457 for more information regarding Section 401 Water Quality Certification;
- 10) Please submit a full plan set, the wetlands impact summary, and photos of the wetlands impact areas to Kim Tuttle at the NH Fish and Game Department;
- 11) Please contact me at (603) 271-4055, at your earliest convenience, to coordinate a site inspection with DES and the NH Fish and Game Department;
- 12) Please note that upon review of the above information, the DES Wetlands Bureau may find that a public hearing is required per RSA 482-A:8.

Please include the file number (2006-00663) on all correspondence and provide a copy to the Town Conservation Commission. Please submit the above-requested information as soon as practicable. In accordance with recent changes to RSA 482-A:3, if the requested information is not received within 120 days of this request, the Department is obligated to deny the application. Therefore, if the DES does not receive a complete response to the above-requested information by 10/17/2006, your permit will be denied. If you have any questions, please feel free to contact me at (603) 271-4055.

Christine Bowman Wetlands Specialist DES Wetlands Bureau

Lempster Conservation Commission cc: Lempster Town Clerk Craig Rennie, DES Site Specific Program Paul Piszczek, DES Watershed Management Bureau Kim Tuttle, NH Fish and Game Department Paul Howard, US Army Corps of Engineers Maria Tur, US Fish and Wildlife Service Donald Scott, Clough Harbour & Associates (via fax)



21, June 2006

Christine Bowman NH DES Water Division PO Box 95, 29 Hazen Drive Concord, NH 03302

RE: Dredge and Fill Wetland Application #2006-00663 Lempster Wind, LLC, Off Bean Mt. Rd., Lempster. NH

Dear Christine Bowman

CHA, Clough, Harbour & Associates LLP, is in receipt of your comments. The following issues/clarifications have been addressed to complete the application:

- 1. Please see attached the full set of Site Plans.
- Sheet C-101 is the summary sheet for wetland impacts and stamped by the Wetland Scientist.
- The wetland classifications are now on the plans.
- The intermittent stream crossing have been calculated into the impact summary.
- Towers G-2, G-11 and G-12 have no wetland impacts.
- The crossing at Cold Brook will be discussed with our client.
- CHA will forward new wetland photos to be taken in this growing season.
- As we understand, all abutters have been notified within the ¼ mile radius of the project ROW.
- 9. The client will address the requirements for US Army Corps of Engineers.
- Copy of all correspondence will be sent to Kim Tuttle and Lempster Conservation Commission.
- 11. Client will contact you about a Site Inspection.

Sincerely,

Donald R. Scott

Clough, Harbour & Associates LLP

cc: Kim Tuttle, US Fish and Game Dept. Lempster Conservation Commission

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LEMPSTER, NH WIND POWER PROJECT

LEMPSTER MOUNTAIN

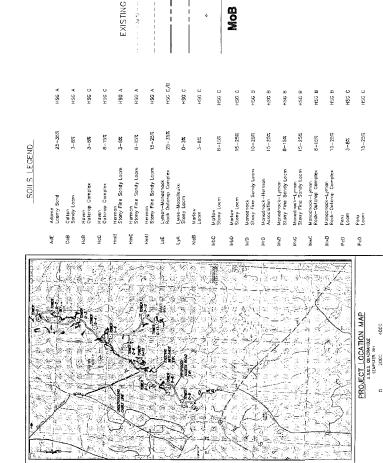
INDEX PLAN

WAYNE, PA 19087 LEMPSTER WIND, LLC 150 STRAFFORD AVENUE SUITE 110

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LEMPSTER MOUNTAIN - LEMPSTER, NEW HAMPSHIRE APRIL 11, 2006



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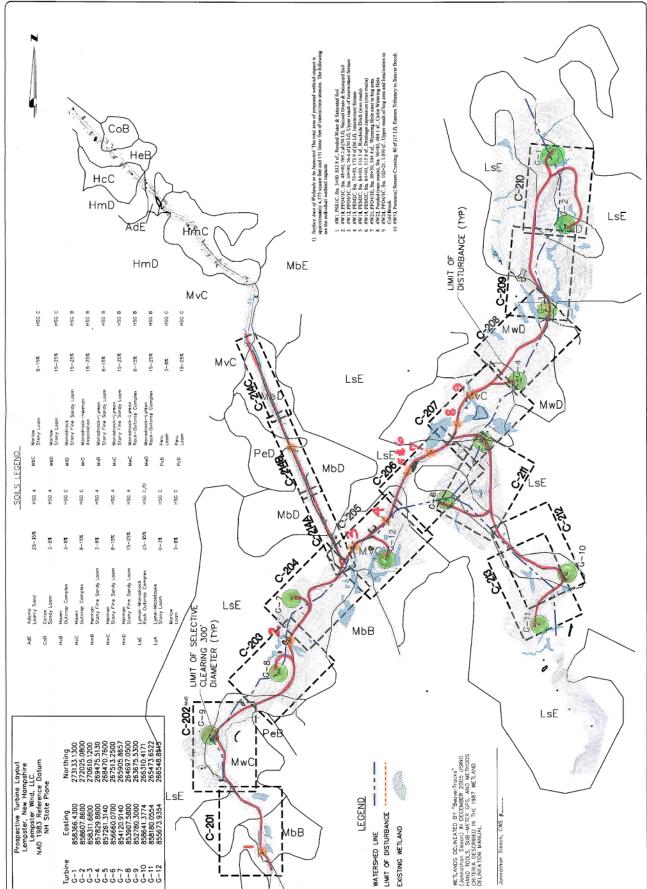
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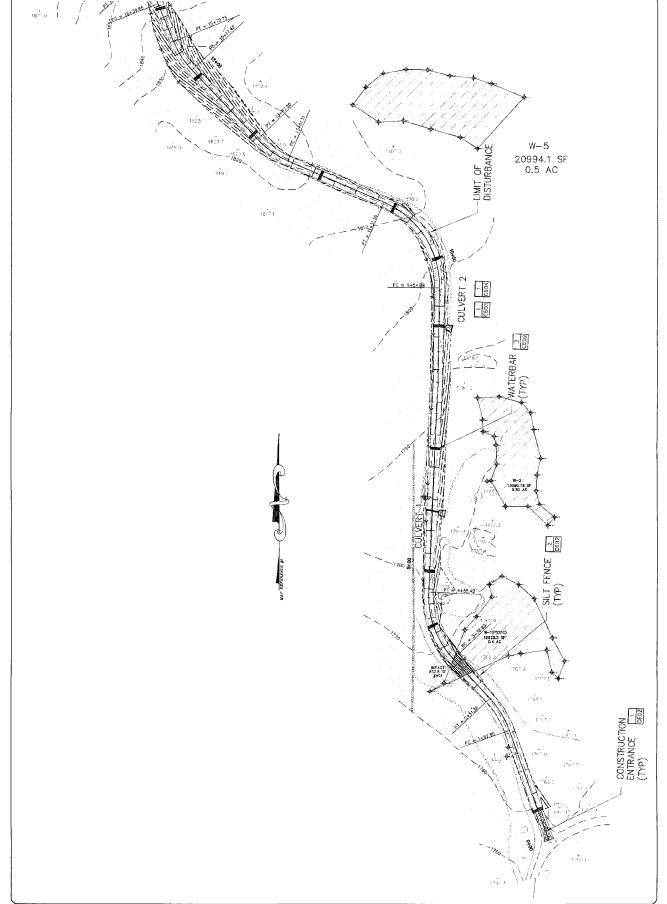
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LEMPSTER WIND, LLC 150 STRAFFORD AVENUE SUITE 110 WAYNE, PA 19087

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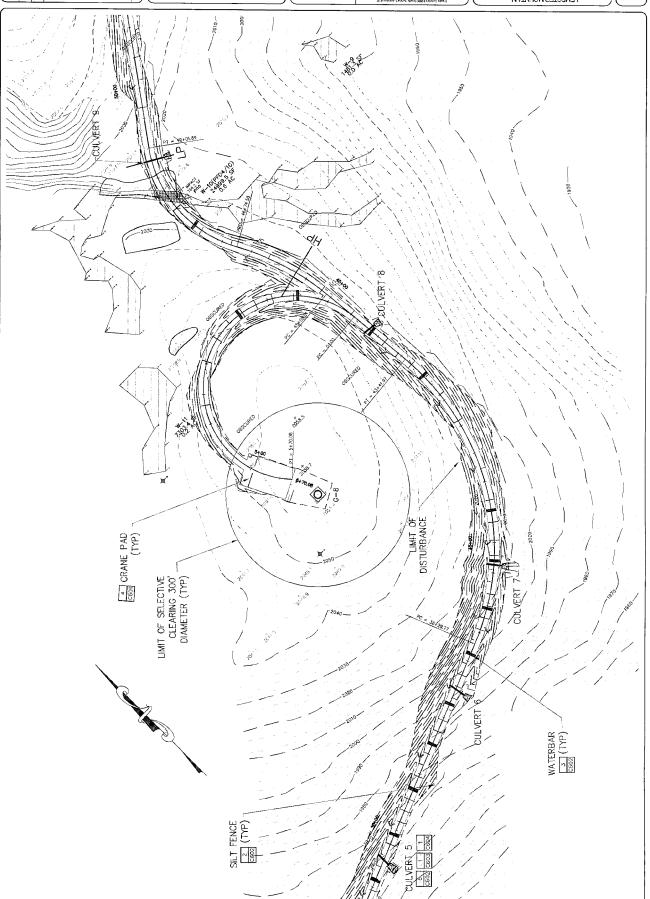
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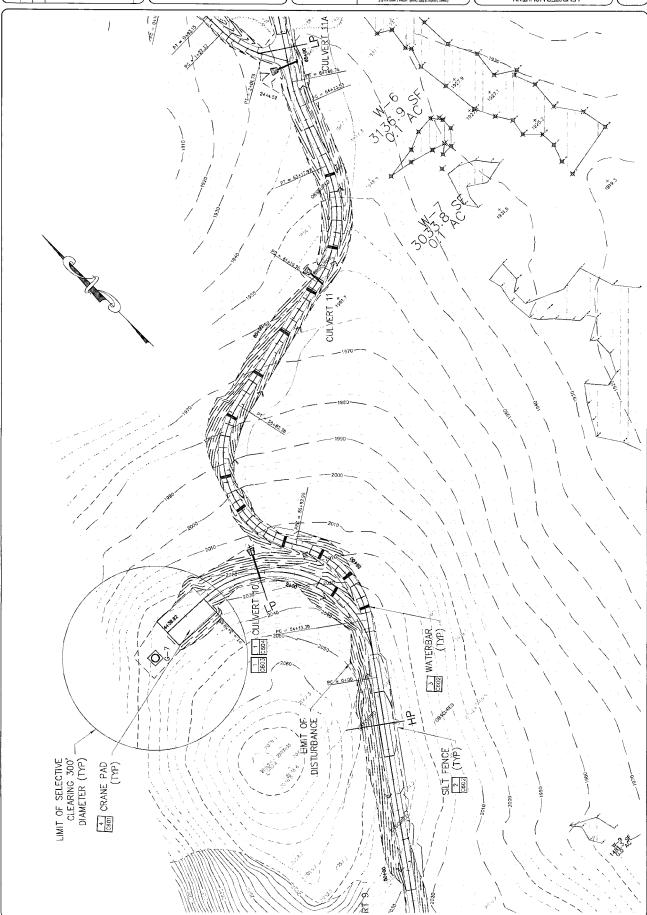
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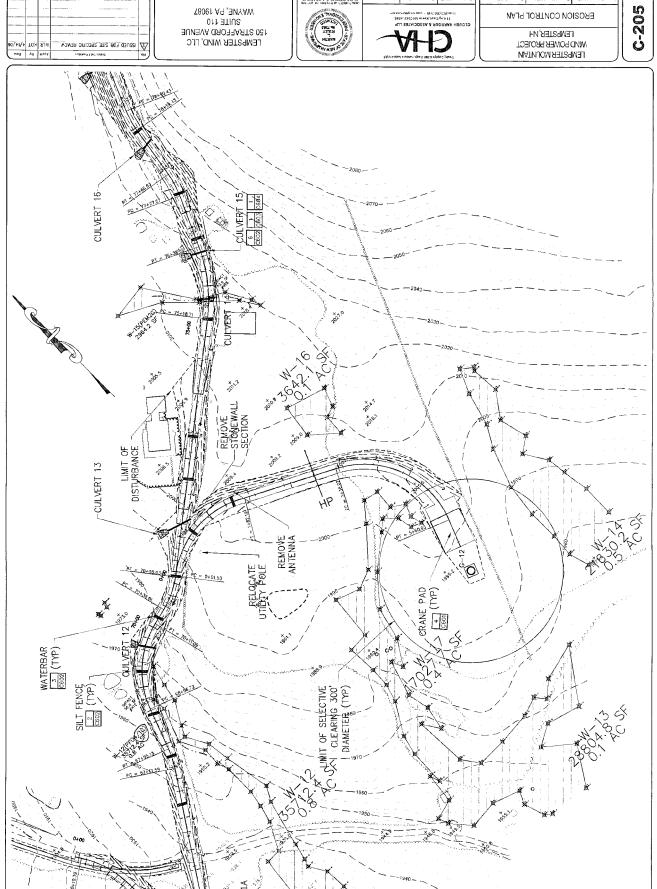


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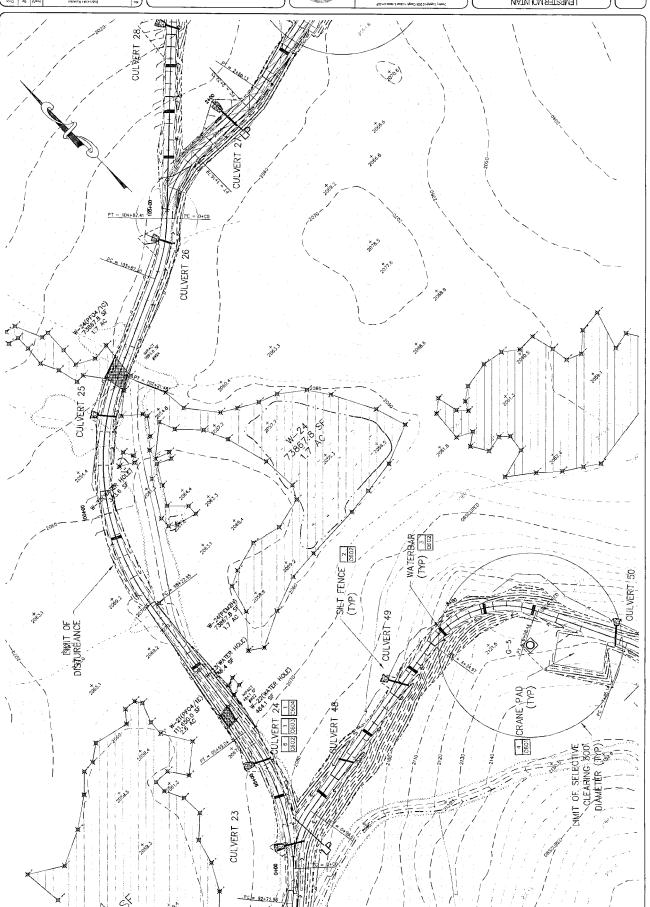
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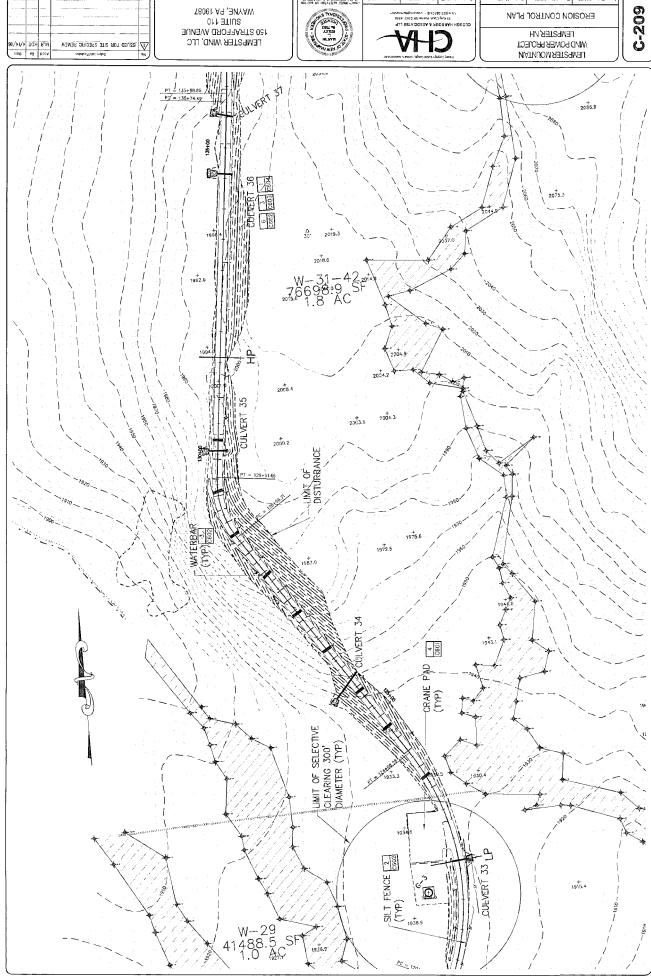




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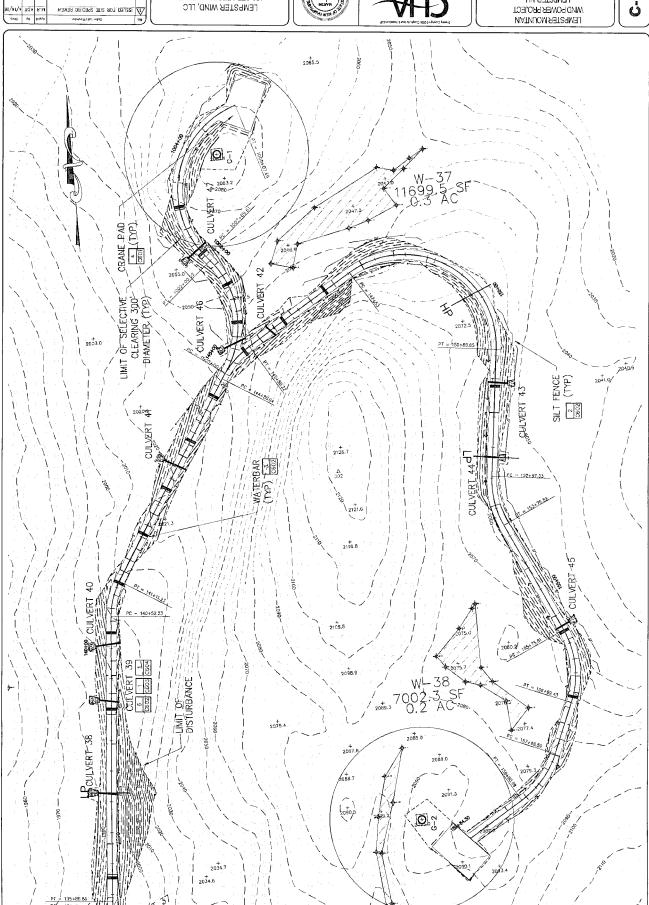
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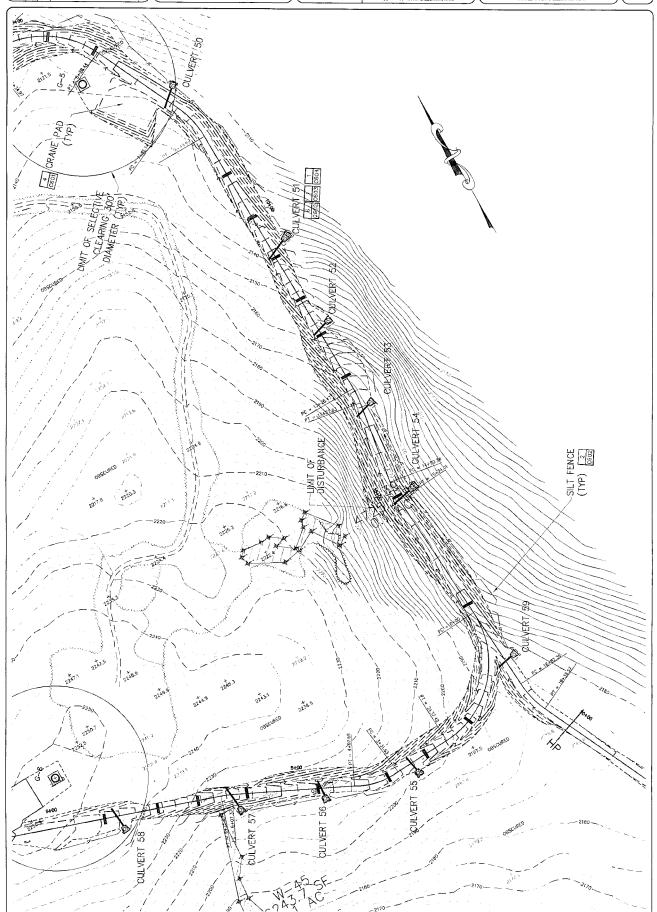
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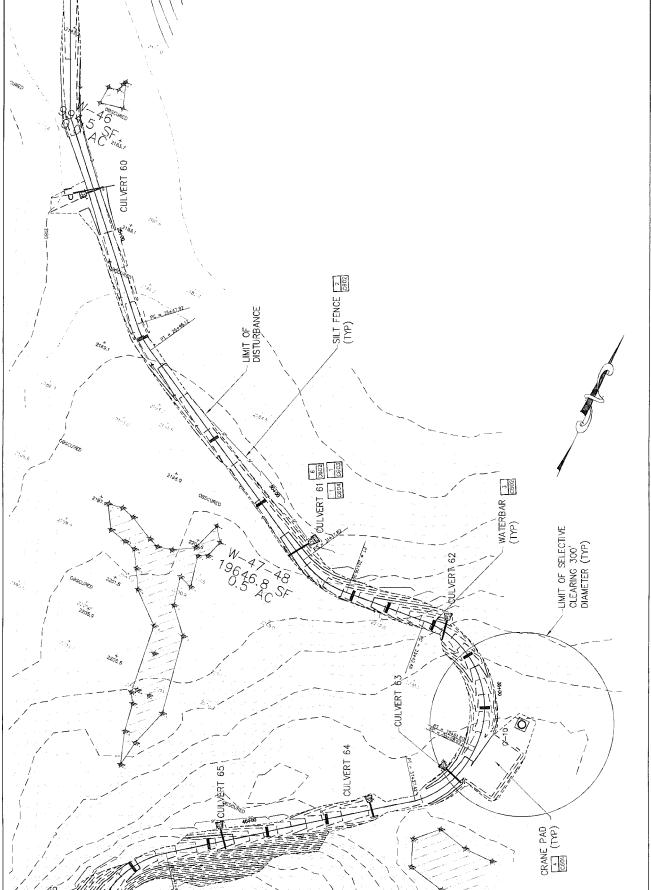


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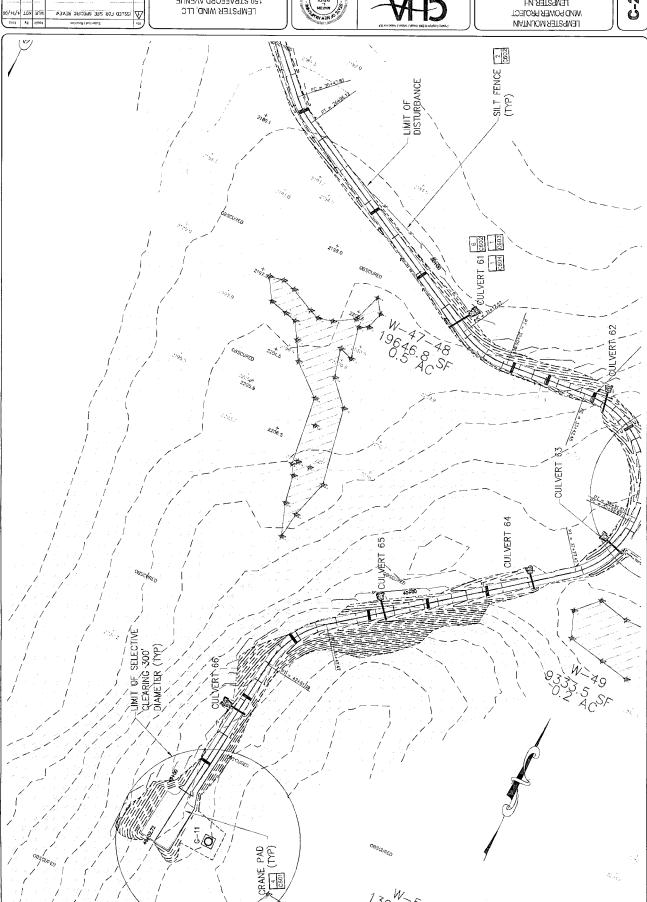


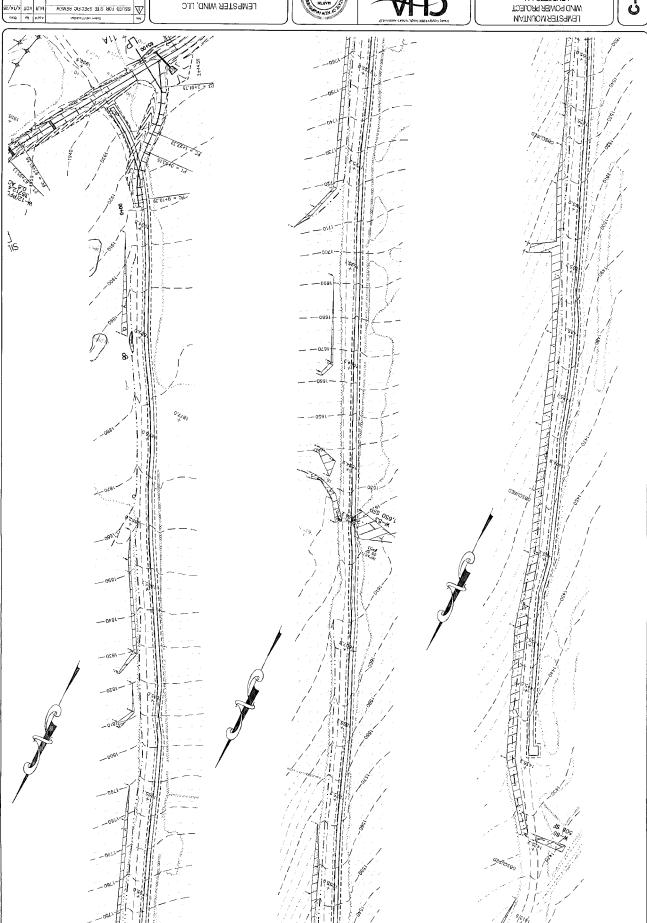












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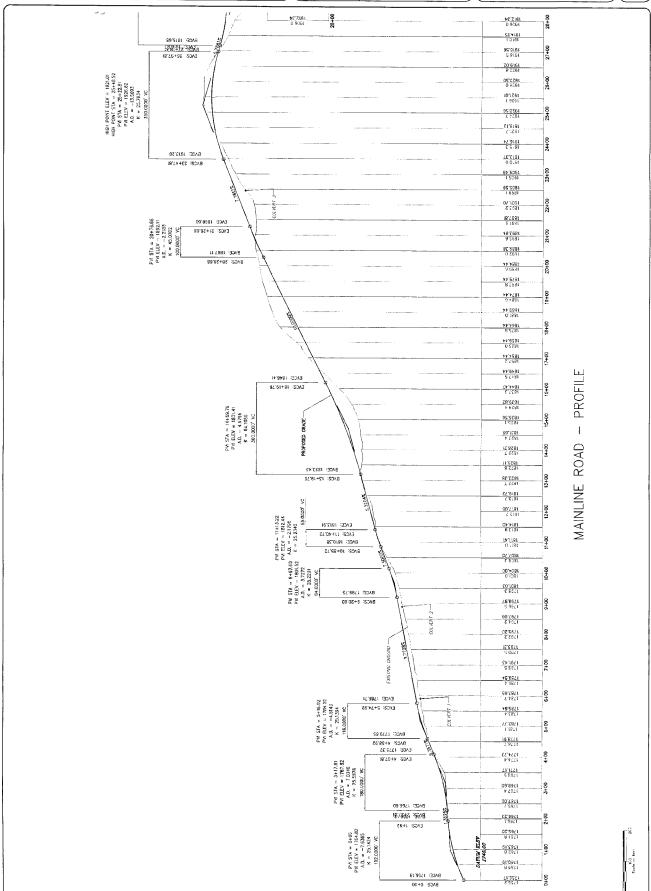
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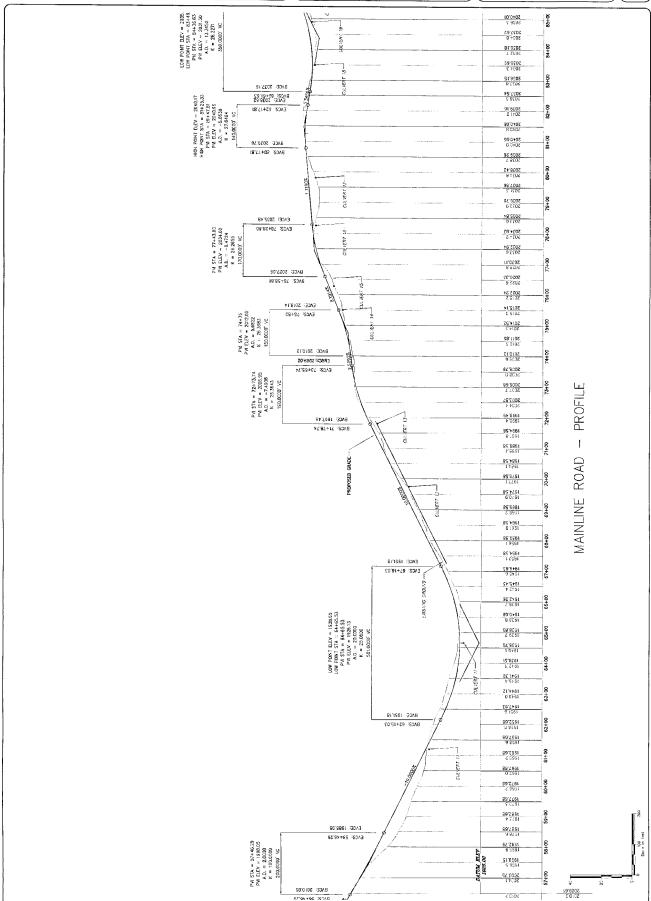
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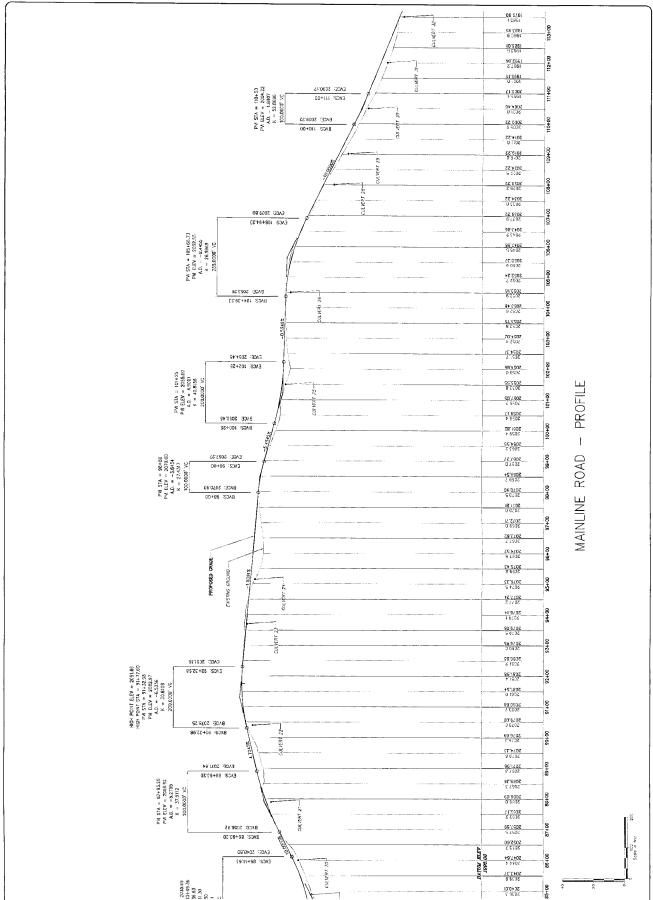


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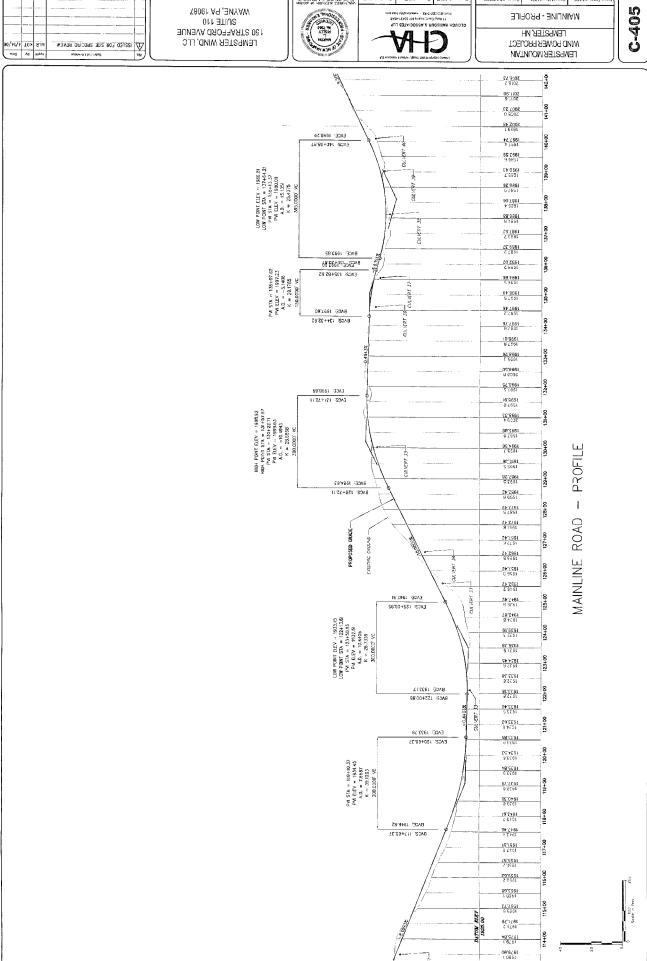


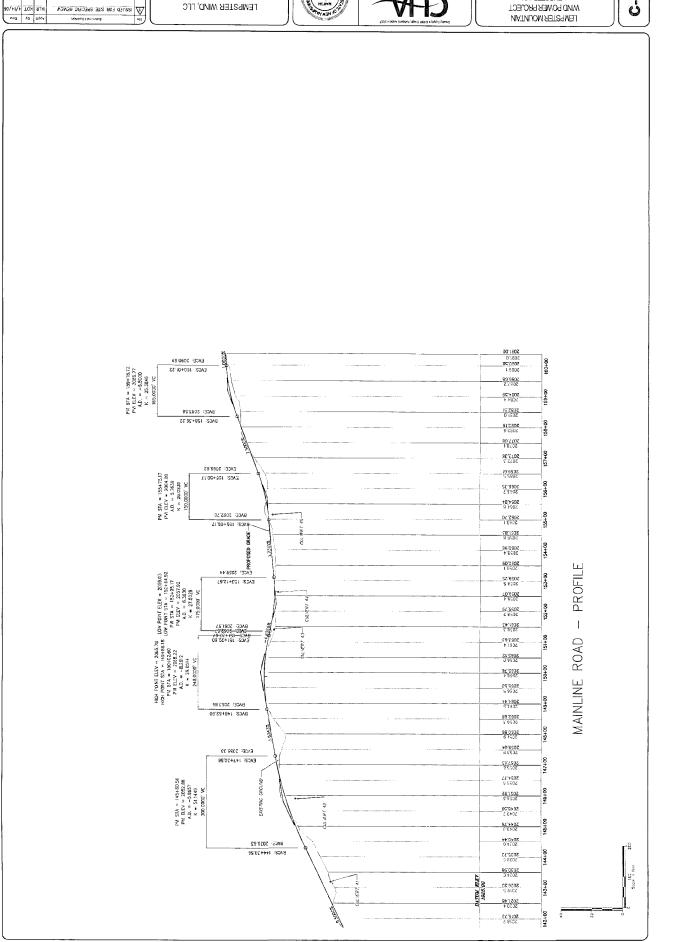
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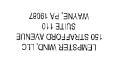
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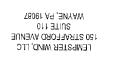
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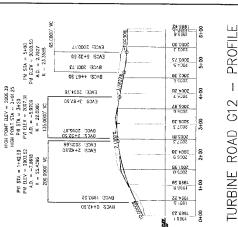
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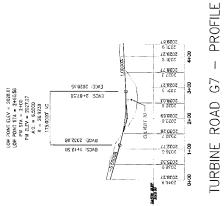


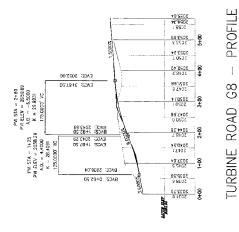
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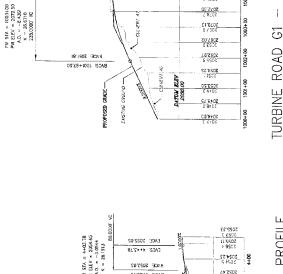


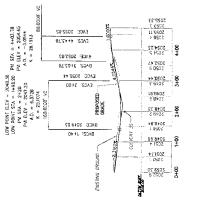


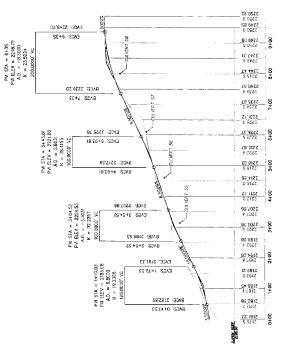




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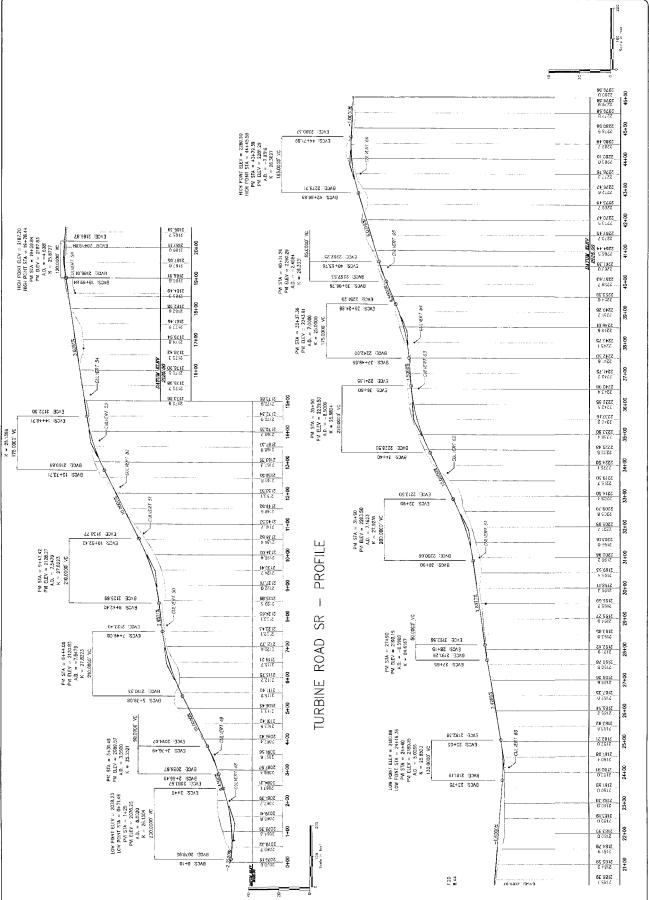
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WIND POWER PROJECT





LEMPSTER WIND, LLC 150 STRAFFORD AVENUE SUITE 110 WAYNE, PA 19087

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TRANSPORT ROAD TYPICAL CROSS SECTION (16' WIDE)

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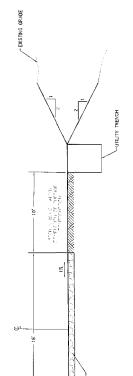
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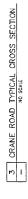
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5 GRASS-UNED C602 SWALE



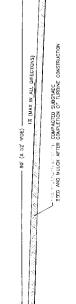




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6 LEVEL SPREADER DETAIL
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CONSTRUCTION DETAILS

LEMPSTER, NH WIND POWER PROJECT LEMPSTER MOUNTAIN







4 ROCK FILTER BERM DETAIL
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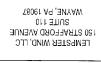














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MLR KDT 4/14/06

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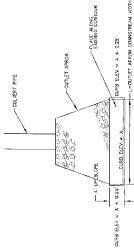
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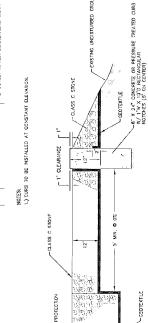
PLAN

| STABILIZED TEMPORARY CONSTRUCTION ENTRANCE DETAIL 2. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAINFALL PYENT.

POST 48" LONG 1½"x1½" HARDWODD SPACING 5' 0.C.

FILTER FABRIC MIRARI 140N (OR EQUIVALENT). WRAP IN TRENCH AS SHOWN. OVERLAP MINIMUM 6" AT JOINTS STAPLE THROUGH FABRIC, (2 PER STAKE)





OUTLET PROTECTION





(74) 2 5 5 5 10 15 20 20 25 30 40	WATERBAR (FEET)	250	135	80	89	45	40	35	30	
	(2)	2	5	01	13	20	25	30	40	

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10 ST. CARRENT FRACE MUST BE PLACED AT LEXEL EXISTING GRACE BOTH BONS OF THE MAIN BARREN MUST BE CERTINED AT LEXEL EXISTING GRACE. BOTH BONS OF THE MAIN BARREN ALLIGNARM.

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COMPACT BACKFILL

8"x8" TRENCH

2 SILT FENCE DETAIL

SUPPLICE PLOW COMMORADE

NWOTES SA 18'628 TSEET LOOP Proposition AS SILOWN

CONSTRUCTION DETAILS

C-603

LEMPSTER, NH WIND POWER PROJECT LEMPSTER MOUNTAIN

Designed KDT Drawn: KDT Cheeked MLR 15 9 CLOUGH HARBOUR & ASSOCIATES LLP 11 Year Cart Kore its 03/31-4646 ASSOCIATE CLUB ASSOCIATES LLP

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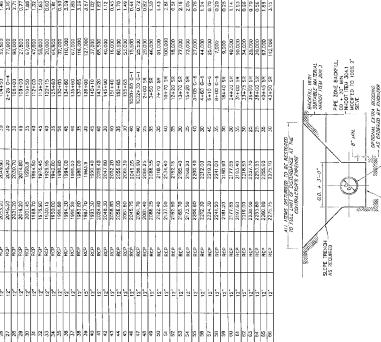
WAYNE, PA 19087
SUITE 110
150 STRAFFORD AVENUE
LEMPSTER WIND, LLC

WAYNE, PA 19087
SUITE 110
150 STRAFFORD AVENUE
LEMPSTER WIND, LLC
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- TO BETALL #1 ON SHEET C-604 FOR HERAR AFRON LAYOUT AND MATERIALS. TO DETALL #6 ON SHEET C-602 FOR LEVEL SPREADER LAYOUT AND MATERIALS. REFER 1

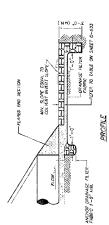


1 TYPICAL DRAINAGE TRENCH DETAIL

ALL SEDIMENT THAT IS WASHED OR TRACKED CNTO PUBLIC RIGHTS—OF—WAY SHALL BE REMOVED IMMEDIATELY. THE PROPOSED PROJECT IS SUBJECT TO A SITE SPECIFIC PERMIT ISSUED BY THE STATE OF NEW HANSHIRE DEPEATURENT OF MANCAUGHTIA. SERVACES (MICHES). HIRES PETSCINNEL AND THE ENDINER MAY MOSEY THE EROSKON CONTING. PRACTICES AND THE ADPROVED PLAN AT ANY THE BASED ON SITE CONDITIONS. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED WITHIN THREE DAYS OF FINAL GRADING. THE SWALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ONE TIME. STABLUZE SWALES PRIOR TO ANY ADDITIONAL EARTH DISTURBANCE. INSPECT ALL EROSION CONTROL DEVICES WEEKLY, PRIOR TO FORECASTED EVENTS, AND AFTER EACH RAINFALL EVENT OF 0.5° OR OREATER. MAKE STAGIUZE ALL DITCHES & SWALES PRIOR TO DIRECTING FLOW TO THEM. ROSION CONTROL NOTES 5. PLACE EROSION CONTROL BLANKET IN ACCORDANCE WITH MANUFACTUREN'S RECOMMENDATIONS. IMMEDIATELY PERFORM TYPICAL GRASS LINED SWALE INSTALLATION SEQUENCE UPCN STABILIZATION OF THE SWALE AND ADJACENT DISTURBED AREAS, REMOVE SILT FENCE. 6. PLACE SEED, SOIL SUPPLEMENTS, AND MULCH IN ADJACENT DISTURBED AREAS, MAKING SURE THAT MULCH IS ANCHORED ON STEEP SLOPES. (SEE SLOPE STABILIZATION NOTES THIS PACE) 3. PERFORM EXCAVATION AND GRADING OPERATIONS. STEPS 4 AND 5. 2. CLEAR AND GRUB TO LIMIT OF DISTURBANCE. 4. PLACE SEED AND SOIL SUPPLEMENTS 1. PLACE SILT FENCE AS INDICATED. EROSION & SEDIMENT CONTROL MAINTENANCE PROGRAM: DOLLO UP LOW POINTS WITH COMPACTED SOLL OF SANDBACS OR REBUILD SWALES WITH POSITIVE CRAMAGE. SEED AND VUICH SWALE AND ANCHOR WITH RETING, OR LINE SWALE WITH CNUSHED ROCK, OR WISTALL CHECK DAWS, OR PEULCH SWALE ON CENTER CALADON. REXED, ALLOH, AND ARONOR WITH NETTING, DIVERT FLOWS, IF POSSBLE, GURING ESTAGUSHUBIT PERIOD. WITH NETTING, OR INSTALL CHECK DAMS. INSTALL LARGER RIPRAP, OR RESEED, MULCH, AND ANCHOR REMOVE DESIRIUDITORS AND/OR SEDMENT. PROBLEMS TO LOOK THE CALLY OF SAPE BELOW SWALE R SEGMENT OR DEBUS IN SWALE EROSON OF UNLINED CHANNEL SURFACE EROSYON OF CHANNEL LINING CHANNEL CAPACITY DISLOGGD STONES BARE AREAS CUILET PROTECTION CONTROL MEASURE SWALE THE GENERAL SECUENCE OF EARTHWOMIG ACTIVITIES FOR THE CONSTRUCTION OF THE LEMPSTER MOUNTAIN WHO PARK IS AS FOLLOWS: CICLEA, GRISH OF PROMATICE OF THE CONSTRUCTION OF THE KNEEDS RAND FORCES ROAD OF COLORIONS STRENGE, AT BAD, MUST ROAD AND EDUNG AT REAL RECORDING STRENGE, AT BAD, MUST ROAD AND EDUNG AT RECORRESTORED FOR WASHINGTON PROCESSOR. INSTALL HE ROADWAY CONSTRUCTION. AS CONSTRUCTION PROCESSOR. INSTALL HE ROADWAY STRENGE STORE PRESE, LUTIL COMDULING AN ALL RECLAMD AND ALL EARLY DEPORTED THE MUST ROAD OF THE LATE BENES. ALL EARLY DEPORTED TO WAIK TO GRISH DESIGN THE WALLEST AND MUST REPORTED TO WAIK TO AND REPORTED TO THE WALLEST AND MUST RESIDE TO THE WALLEST AND MUST REPORT TO THE WALLEST AND MUST RESIDE TO THE WALLEST AND MUST RESIDENCE TO THE WALLEST AND MUST RESIDENCE TO THE WALLEST AND WALLEST RESIDENCE TO THE WALLEST RESIDENCE TO THE WALLEST AND WALLEST RESIDENCE TO THE WALLEST RESID INSTALL AND MAINTAIN THE ROCK CONSTRUCTION ENTRANCE AS SHOWN ON SHEET G-201. CARLOS TO ANY SERVICE STATEMENT OF THE TOTAL STATES THE ANTONNESS IN-PORTION OF THE ALL NOTE ALL NOTE ALL NOTE AND THE STATES THE ANTONNESS IN-HERING, ALSO AT LEAST 3 DAYS BEFORE STATEMEN ANY HERES TO AN ON-STEE MACHINES AND SERVICES AND ANY SERVICE STATEMEN ANY LEAST HOSTING-BANE TO THIS LOCATIONS. CONSTRUCTION SEQUENCE

150 STRAFFORD AVENUE KD1 4/14/ AZNED LOG ZILE ZBECILIC BENEM KLR Apple

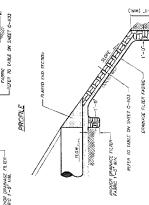
EXCAVATE PIPE TRENCH FOR NEW INSTALLATION. EXCAVATED MATERIAL FOR TWE WITH PIPE MISTALLATION SHALL BE PLACED ON THE UPSLOPE SIDE OF THE TRENCH. ALL EXCAVATED MATERIAL SHALL BE STOCK PILEO A MINIMUM OF 3 FEET MANY FROM THE EXCAVATED TRENCH. NOTE:
EGGI SWILE CONSTRUCTOR OFFRATIONS AT THE DISCHARGE POINT AND
WORK DIFFLE, LUMIT SWALE CONSTRUCTOR TO THAT AMOUNT WHICH CAN
REF CONSTRUCTED AND STABILIZED WITH FROSGION CONTROL, BLANKET IN ONE
DAY. IYPICAL PIPE INSTALLATION SEQUENCE 2. PLACE AND COMPACT PIPE BEDDING MATERIAL. THEOR FENCE POST SIZE AND SPACING, CALLOE OF 1996 MESH, NO FABRIC STRENGTH, REPLACE WITH ROCK FULLER CULTET. EKTRICHON WAS MESKI AND FABRIC TO PROPER DEPTH, BACKFILL AND DOMPACT. BRILARGE R PRAP APROX; OR LIVE RECEIVING CHANNEL BELOW CUTET. NSTALL PROPER FATER FABRIC OR GRADED BEDONG ERICATH RIPRAP ARPORT. REPLACE WITH CARGER STONES.



(W) REFER TO TABLE ON SHEET C-603

REFER TO TABLE ON SHEET C-603

FLARED END SECTION



2. ALL RIPRAP SHALL BE PLACED ON DRAINAGE FLITER FARRIC (MIRAFI 180N OR EQUAL) STONE SIZE FOR ALL APRONS SHALL BE CLASS C STONE (NHDOT ITEM 585.3)

PLAN

- 8. SEDIMENT SHALL BE DISPOSED TO A SECURE LOCATION TO PREVENT SLITATION OF WATERWAYS. AFTER EACH RAINSTORM, ALL CUT AND FILL SLOPES SHALL BE INSPECTED FOR DAMAGE. LOOK FOR RENGION DESTABLIZATION D'OB. SADORES, EMANIMENTELYT GRACKING, AND DISPLACED MUICH. MARE ALL NECESSARY REPARS. IMMEDIATELYT
- ALL AREAS TO BE VECETATED SHALL BE RESEEDED AND REMULCHED AS NECESSARY TO MINIMIZE EROSION.

oi.

- 10. HAY OR STRAW MULCH SHALL BE APPLED AT A RATE OF TWO BALES PER 1,000 SQUARE FEET (OR APPROXIMATELY TWO TONS PER ACRE). F CONSTRUCTION EXTENDS BEYOND NOVEMBER 1 (IN ANY YEAR) MULCH APPLICATION SHALL BE INCREASED TO FOUR BALES FER 1,000 \$GUARE FEET.
- THORSON'S STRUKTURE, THESON STRUKTURE, MO STRUKTURE DIVINGENCE PROPERTY OF THE STRUKTURE OF STRUKTURE OF THE 12. AT NO TIME SHALL AN AREA LARGER THAN 2 ACRES BE EXPOSED FOR A PERIOD LONGER THAN 30 DAYS. Ę,

5. PLACE SEED, SOL SUPPLEMENTS AND MULCH IN ADJACENT DISTURBED AREAS, MAKING SURE THAT MULCH IS ANCHORED ON STEEP SLOPES. NOTE: INTERPRETATION TO THAT AMOUNT WHICH CAN BE BACKFILLED, INTERPRETATION AND STABILIZED IN ONE WORKING DAY.

CHECK FOR 10P-07-34.0PE DIVERSION AND INSTALL IF NEEDED. FILL RILLS AND REGRADE CALLIED SLOPES. RESEED, FERRUZE, AND MULCH SAME AREAS.

RLLS OR CULLES FORUNG SARE SOL PATCHES SERNEIT AT TOE OF SLOPE

VECETATION

STABLIZE THE AREAS WHERE THE BAPP'S WERE LOCATED IN STEP 7, SETD AND MULCH THE AREAS POLLOWING NEW PROPESS OF MAYE SCHOKENT AS SOFTUNED IN STEP 5, DISPOSE OF ANY EXCESS SEDIMENTA & SOFTUNED IN THE MAINTENANCE NOTES.

3. PLACE PIPE AS INDICATED.

REPLACE WITH CONTINUOUS PIECE OF EABERG FROM POSY TO POST, SEQUENTLY ANONOM WITH PROPER STAPLES.

EXTEND FENCE LENGTH IN PROBLEM AREA.

RUNDET ESCAPING AROUND SDE OF FORCE

SONIENT > 1/2 FENCE HEGHT

UNDERCUTANG OF FENCE

SLI FEHCE

FENCE COLLAPSING

PERMANENTY SEED ALL AREAS DISTURBED BY THE CONSTRUCTION AND CLEAN ALL WARRE COVENIANCE FAQUITES. THE WORM AND MILL BE CONSIDERED SYMBILED WHEN A MINIMUM UNITORM GRASS COVER OF 70X IS ESTADLISHED ON ALL DISTURBED FAEN.

UPON COMPLETION OF THE ADJACENT ROADWAY SECTION CONSTRUCT TOWER FOUNDATIONS AND WORKING AREAS.

CONSTRUCT TURBINES AS SPECIFIED BY MANUFACTURERS.

STABLIZE THE ACCESS ROADS IN ACCORDANCE WITH THE TYPICAL SECTIONS WHEN ALL CRANE AND TRANSPORTER OPERATIONS HAVE CEASED.

REMOVE THE SILT BARRIER FENCE AND THE ROCK FILTERS

TORN FABRIC

BROSION BELOW OUTLET

OUTLET SCOUR

REMOVE SEDIMENT FROM THE FENCE.

4. BACKFILL PIPE TRENCH.

T8081 A9, BNYAW

SUITE 110

LEMPSTER WIND, LLC

- FEBRANENT STABLIZATION DISTUBBIO PORTIONS OF THE SITE WEEK.
 STANDARD STANDARD SERVINENTY CASES WALL BY STABLIZED WITH PERVANNENT SEED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION PERVANNENT SEED WAS SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS.
 - 15. AN AREA SHALL BE CONSIDERED STABLE IF CNE OF THE FOLLOWING MAS OCCURRED:
- A, BASE COURSE GRAFELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED B. A WINNIAU BEST VECTETINED GROWTH HAS BEEN ESTABLISHED C, AVINIAULY OF 3"5" OF NON-ERGOINE MATERIAL SUCH AS STONE OR FIPPIAP HAS A MINIMUM OF 3 OF POINTERNOON BEEN INSTALLED BROSION CONTROL BLANKETS HAVE BEEN INSTALLED
 - 16. MINTER CONSTRUCTION NOTES:

YATEN CENTAN

- A. ALL PROPESTOR DEFL'EMESCHORUN VERTAFIE ARES TO PRINCIPLE MENTAFIE ARE ALL MANIMAL OF THE ALL MANIMAL OF T
- ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF BEX WEGETATIVE GROWTH 3 FOCUSER IS, OR MICH ARE DISTURBED AFTER OCTOBER 15, STALL BE STASILIZED WITH STONE OF BEOSING CONTROL BLANKETS APPRICAPILE FOR THE DESIGN FLOW CONDITIONS.
- AFTER NOVEMBER 15, INCOMPLETE ROAD OR PARKING SURFACES SHALL BE PROTECTED WITH A MININIAM OF SINCHES OF GASHEO GRAVE, PER NHOOT TIEK 3043, OR IS CONSTRUCTION IS TO COMPIUL TIRCOGH THE WHITE SEASON BE CLEARED OF ANY ACCUINIVATED SNOW ATTER EACH STORM EVENT.

ALL DISTURBED SLOPES AT A GRADE STEEPER THAN 2:1 AND NOT CONSISTING OF ROCK ANALL BE TENEFORMARY STRIKES BY MULCHING WITH LIAY OR STRAW AND BINDNG THE MULCH WITH JUTE LATING, MITH ONE INCH SCUARE OPENINGS AND WICHING NOT LESS THAN 90 POUNDS PER 100 S.Y. 17.

TEMPORARY SEED MIX

CONSTRUCTION DETAILS

LEMPSTER, NH

WIND POWER PROJECT LEMPSTER MOUNTAIN

> USE FOR FALL SEEDING
> USE FOR SPANG SEEDING
> USE FOR EARLY SPAING OR LATE SUMMER
> SEED BETWEEN APRIL 1 & JUNE 1
> AND/OR BETWEEN AUGUST 15 & SEPT 15 112# PER ACRE 80# PER ACRE 40# PER ACRE 40# PRE ACRE WINTER RYE OATS ANNUAL RYECRASS PERENNIAL RYEGRASS

NOTE:
TEMPORARY SEEDING IS FOR THE PROPOSE OF EROSION CONTROL, WHILE THE
PERMANENT VECETATION IS BEING ESTABLISHED. HILE SEED SHOULD BE SPREAD
UNIFORMLY AND SOIL SHOLID. BE FIRMED BY ROLLING OR PACKING.

1 RIPRAP APRON DETAIL SOALE N.T.S.

PROFILE

WETLAND DATA FOR COMMUNITY ENERGY PROJECT IN LEMPSTER, NH				
Wetland	Flag #'s	Flag Connections	Open flags	Wetland Class ¹
1	W1-1 to W1-16	1 to 16	none	PSSIC
2	W2-1 to W2-16	1 to 16	none	PSSIC
3	W3-1 to W3-15	none	1 and 15	PFO1C
4	W4-1 to W4-6	1 to 6	none	PEM2C
5	W5-1 to W5-8	1 to 8	none	PFO1C
6	W6-1 to W6-8	1 to 8	none	PSSICI, PEM2I
7	W7-1 to W7-10	1 to 10	none	PSSICI, PEM2I
8	W8-1 to 27, W8-101 to 112	1 to 101	27 and 112	PFOICI & PSSICI
9	W9-1 to W9-6	none	1 and 6	PFO4/1C
10	W10-1 to W10-59	none	1 and 59	PFO4/1C
11	W11-1 to W11-12	1 to 12	none	PFO4/1E
12	W12-1 to W12-49	1 to 49	23 and 24	R4UB4C, PFO4/1C
13	W13-1 to W13-24	1 to 24	8 and 9	PEM2C
14	W14-1 to W14-19	none	1 and 19	PFO1C
15	W15-1 to W15-9	1 to 9	none	PEM2C
16	W16-1 to W16-6	1 to 6	none	PEM2C
17	W17-1 to W17-30	1 to 30, W17-13 to W13-21, W17-12 to W13-22	none	PEM2C, PSS1C
18	W18-1 to W18-7	1 to 7	none	PEM2C (man-made)
19	W19-1 to W19-8	1 to 8	none	PEM2C (man-made)
20	W20-1 to W20-10	1 to 10	none	PEM2C
21	W21-1 to W21-38, W21-101 to W21-110	1 to 101	38 and 110	PFO4/1E
22	W22-1 to W22-4	1 to 4	none	dug water hole for cattle
23	W23-1 to W23-4	1 to 4	none	dug water hole for cattle
24	W24-1 to W24-71	1 to 71	none	PFO4/1C in natural drain, PEM2H in bog
25	W25-1 to W25-4	1 to 4	none	dug water hole for cattle
26	W26-1 to W26-18, W26-101 to W26-115	1 to 101	18 and 115	PFO1/4C
28	W28-1 to W28-17	1 to 17	9 and 10	PFO4/1D
29	W29-1 to W29-32	1 to 32	16 and 17	PSS4/1D
30	W30-1 to W30-15	none	1 and 15	PFO4/1CI
31	W31-1 to W31-80	W31-36 to W42-1, W31-37 to W42-22	1 and 80	R4UB4D, PFO1/4D
32	W32-1 to W32-14	none	1 and 14	R4UB4G
33	W33-1 to W33-5	none	1 and 5	PFO4/1C
34	W34-1 to W34-24	none	1 and 24	R4UB4D
35	W35-1 to W35-17	1 and 17	none	PFO4/1C
36	W36-1 to W36-13, W36-20 to W36-27	1 and 13, 20 to 27, 26 to 1 25 to 2	none	PFO1C
37	W37-1 to W37-14	1 and 14	none	PFO4/1C
38	W38-1 to W38-12	1 and 12	none	FFO4/1C
39	W39-1 to W39-17	none	1 and 17	PSS4CI
40	W40-1 to W40-4	1 to 4	none	PFO1CI
41	W41-1 to W41-10	1 and 10	none	R4RB2 (water flows on bedrock, stream ends when soil deepens), PFO1/4C
42	W42-1 to W42-22	W42-1 to W31-36, W42-22 to W31-37	none	PFO1/4C
43	W43-1 to W43-11	1 to 11	none	PFO1/4C

Wetland	Flag #'s	Flag Connections	Open flags	Wetland Class ¹	
44	W44-1 to W44-15	1 to 15	none	PFO1/4C	
45	W45-1 to W45-13	none	1 and 13	PFO1/4C	
46	W46-1 to W46-6	1 to 6	none	PFO4C	
47	W47-1 to W47-22	1 to 22, W47-15 to W48-1, W47-13 to W48-8	none	PFO4/1C	
48	W48-1 to W48-8	W47-15 to W48-1, W47-13 to W48-8	none	PFO4/1C	
49	W49-1 to W49-7	none	1 and 7	PFO4D	
49a	W49a-1 to W49a-47	none	1 and 47	PFO4C	
50	W50-1 to W50-26	1 and 26	none	PFO4C	
50a	W50a-1 to W50a-12	1 and 12	none	R4SB3	
51	W51-1 to W51-5	1 and 5	none	R4SB3	
52	W52-1 to 3, 3a, 3b, 3c, 3d, to 8	3a to 3, 3d to 2	1 and 8	R4SB1	
53	W53-1 to W53-6	none	1 and 6	R4SB1	
54	W54-1 to W54-4	1 and 4	none	R4SB3	
55	W55-1 to W55-7	1 and 7	4 and 5	R4SB3	
56	W56-1 to W56-5	1 and 5	3 and 4	R4SB3	
57	W57-1 to W57-8	1 and 8	4 and 5	R4SB3	
58	W58-1 to 5	1 and 5	3 and 4	R4SB3	
59	W59-1 to ?			R4SB3	
60	W60-1 to W60-4	1 and 4	2 and 3	R4SB3	
61	W61-1 to W61-27	1 and 27	18 and 19	R4SB3	
D1,2,3	No wetland vegetation along dug ditch so these are not wetlands				

The soils were evaluated in accordance with the publication "Field Indicators for Identifying Hydric Soils in New England, Version 3", April 2004.

The wetlands were classified in accordance with the procedures outlined in the USFWS "Methodology for the Classification of Wetlands and Deepwater Habitats", 1987.

187 41 1	2	<u> </u>
Wetland	Hydric soil ²	Hydrology
1	XB	Ponded water and saturated soil
2	XB	Ponded water and saturated soil
3	IXA1	Natural drain, signs of water flowing, hear water flowing subsurface
4	IV	Ponded water and saturated soil
5	XB	Ponded water and saturated soil
6	XB	Soil Saturated
7	XB	Soil Saturated
8	XB & IXA1	Surface water, running water, ponded water up to 6" deep
9	VII	Water seeping from ground
10	VII	Natural drain, water flowing, soil saturated on banks
11	III	Ponded water and saturated soil
12	XB	Water flowing in stream, banks saturated
13	VII	Surface water present, Soil saturated
14	VII	Natural drain, water flowing, soil saturated on banks
15	VII	Water flowing in ditch
16	VII	Ponded water and saturated soil
17	VII	Natural drain, water flowing, soil saturated on banks
18	None	Ponded water and saturated soil
19	None	Surface water through culvert from Wetland 18
20	VI	Ponded water and saturated soil
21	III	Soil Saturated
22	None	Ponded water
23	None	Ponded water
24	XB, III	Natural drain, water flowing, soil saturated on banks: soil saturated in bog
25	None	Ponded water
26	XB	Surface water present, Soil saturated
28	VII	Natural drain, signs of water flowing, hear water flowing subsurface
29	XB	Natural drain, water flowing, soil saturated on banks
30	Organic layer on bed rock	Natural drain, water flowing, soil saturated on banks
31	VI	Natural drain, water flowing, soil saturated on banks
32	Gravel & bed rock	Natural drain, water flowing, soil saturated on banks
33	Man-made	Surface water present, Soil saturated
34	Gravel & bed rock	Surface water present, Soil saturated
35	IXA1	Surface water present, Soil saturated
36	Organic layer on bed rock	Surface water present, Soil saturated
37	VII	Surface water present, Soil saturated
38	VII	Surface water present, Soil saturated
39	XB	Natural drain, water flowing, soil saturated on banks
40	XB	Natural drain, water flowing, soil saturated on banks
41	XB	Natural drain, water flowing, soil saturated on banks
42	XB	Natural drain, water flowing, soil saturated on banks
43	XB	Natural drain, water flowing, soil saturated on banks

Wetland	Hydric soil ²	Hydrology
44	XB	Surface water present, Soil saturated
45	IXA1	Natural drain, water flowing, soil saturated on banks
46	VII	Ponded water and saturated soil
47	IXC3	Ponded water and saturated soil
48	IXC3	Ponded water and saturated soil
49	III	Surface water present, Soil saturated
49a	IXC1	Natural drain, water flowing, soil saturated on banks
50	IXC1	Natural drain with saturated soil
50a	Man-made road side ditch	Water running in stream
51	Man-made road side ditch	Water running in stream
52	Man-made road side ditch	Water running in stream
53	Man-made road side ditch	Water running in stream
54	Man-made road side ditch	Water running in stream
55	Man-made road side ditch	Water running in stream
56	Man-made road side ditch	Water running in stream
57	Man-made road side ditch	Water running in stream
58	Man-made road side ditch	Water running in stream
59	Man-made road side ditch	Water running in stream
60	Man-made road side ditch	Water running in stream
61	Man-made road side ditch	Water running in stream
D1,2,3		
The plants w		
² The soils we	e	
The wetland	d:	

Wetland Ve	egetation ³
1 Pu	ussy willow, Red Osier Dogwood, meadowsweet, deertongue, small white aster, sensitive fern, gold thread
	pecald Alder, Red maple, highbush blueberry, hard hack, gray birch, sensitive fern, gold thread
	ed maple, gray birch, highbush blueberry, winter berry, gold thread, spag moss, cinnamon fern, NY fern
	oft rush, lurid sedge, woolgrass, meadowsweet
	ed maple, gray birch, yellow birch, sphag moss, blue flag, cinnamon fern, meadowsweet
	ard hack, highbush blueberry, red spruce, NY fern, meadowsweet, gold thread, swamp dewberry, soft stem rush
	ard hack, highbush blueberry, red spruce, NY fern, meadowsweet, gold thread, swamp dewberry, soft stem rush
	ed maple, red raspberry, black berry, gray birch, yellow birch, gold threat, swamp dewberry, cinnamon fern, senfitive fern
9 red	ed spruce, red maple, meadowsweet, sphag moss, cinnamon fern, gold thread, swamp dewberry, highbush blueberry, raspberry
	ed spruce, red maple, yellow birch, sphag moss, cinnamon fern, NY fern, gold thread, swap dewberry, highbush blueberry
11 red	ed spruce, yellow birch, sphag moss, cinnamon fern, grasses and sedges
	ed spruce, red maple, gray birch, yellow birch, cinnamon fern, gold thread, meadowsweet, swamp dewberry
	urid sedge, soft stem rush, hard hack, small white aster, meadowsweet, grasses.
	ellow birch, red maple, high bush blueberry, hard hack, meadowseet, swamp dewberry, cinnamon fern, NY fern
	oft stem rush, lurid sedge, grasses
	oft stem rush, lurid sedge, hard hack, grasses
	oft stem rush, lurid sedge, swamp dewberry, Hard hack, meadow sweet, grasses
	oft stem rush, small white aster, gold thread, hard hack, sensitive fern, lurid sedge
	oft stem rush, small white aster, hard hack, meadow sweet, lurid sedge
	urid sedge, cinnamon fern, soft stem rush, sensitive fern, hard hack, sphagnum moss, common winterberry
	alsum fir, red maple, yellow birch, gray birch, hobble bush, common winterberry, sphagnum moss, gold thread, cinnamon fern
	o dominant hydrophitic vegetation
	o dominant hydrophitic vegetation
	alsum fir, red spruce, red maple, yellow birch, cinnamon fern, NY fern, sensitive fern, swamp dewberry, sphagnum moss, gold thread in drain; grasses, cinnamon fern, common winterberry, hard hack
	o dominant hydrophitic vegetation
	ed maple, yellow birch, red spruce, balsum fir, NY fern, cinnamon fern, hard hack, swamp dewberry, gold thread
	ed spruce, red maple, bass wood, cinnamon fern, NY fern, gold thread, sphagnum moss
	ed spruce, red maple, hard hack, black berry, raspberry, sphagnum moss, gold thread, swamp dewberry, small white aster, meadow sweet
	ed spruce, red maple, yellow birch, hard hack, black berry, raspberry
	ed spruce, red maple, yellow birch, cinnamon fern, sensitive fern, gold thread, raspberry, black berry
	ed spruce, red maple, gray birch, yellow birch, cinnamon fern on banks ed spruce, red maple, small whire aster, black berry, grasses, goldenrod
	ed maple, gray birch, bass wood, blackberry, raspberry, beech on bank ed spruce, yellow birch red maple, cinnamon fern, NY fern
	ellow birch, red maple, bass wook, red spruce, white ash, blackberry raspberry, cinnamon fern
	ellow birch, red maple, bass wook, red spruce, white ash, blackberry raspberry, chinamon lem
	ed spruce, yellow birch, red maple, gray birch, climamon fern, fur fern
	ed spruce, yellow birch, red maple, chinamon lem, lund sedge, minge sedge, in remediated spruce saplings, yellow birch saplings, swamp dewberry, highbush blueberry, hard hack, soft stem rush, raspberry
	ellow birch, bass wood, NY fern, cinnamon fern
•	ed maple, yellow birch, hobble bush, black berry
	ed maple, yellow birch, red spruce, hobble bush, NY fern, cinnamon fern, brachen fern
	ed maple, red spruce, cinnamon fern, gold thread, NY fern
	a maple, rea eprace, emiamen rem, gold uneda, recreati

Wetland	Vegetation ³		
44	yellow birch, red spruce, cinnamon fern, fringe sedge, sphagnum moss, soft stem rush		
45	gray birch, yellow birch, red spruce, paper white birch, NY fern, cinnamon fern		
46	red spruce, cinnamon fern		
47	red spruce, gray birch, red maple, highbush blueberry, swamp dewberry, cinnamon fern, NY fern		
48	red spruce, gray birch, red maple, swamp dewberry, cinnamon fern, hard hack, sphagnum moss		
49	red spruce, cinnamon fern, common winterberry		
49a	Red spruce, cinnamon fern, sphagnum moss		
50	red spruce, cinnamon fern, NY fern, sphagnum moss		
50a	Red maple, black birch, sensitive fern, cinnamon fern, small white aster, hard hack, red oak on banks		
51	Red maple, ash, meadow sweet, swamp dewberry, sensitive fern, black birch		
52	Hard hack, meadow sweet		
53	Hard hack, meadow sweet		
54	Hard hack, meadow sweet, small white aster, sensitive fern, cinnamon fern on banks		
55	Hard hack, meadow sweet, small white aster, sensitive fern, cinnamon fern on banks		
56	Hard hack, meadow sweet, small white aster, sensitive fern, cinnamon fern on banks		
57	Hard hack, meadow sweet, small white aster, sensitive fern, cinnamon fern on banks		
58	Hard hack, meadow sweet, small white aster, sensitive fern, cinnamon fern on banks		
59	Hard hack, meadow sweet, small white aster, sensitive fern, cinnamon fern on banks		
60	Hard hack, meadow sweet		
61	Hard hack, meadow sweet, small white aster, sensitive fern, cinnamon fern, red maple, gray birch, black birch red oak, bass wood on banks		
D1,2,3			
¹ The plants v	The plants w		
² The soils we	e		
3 The wetland	d:		



Lempster Mountain Wind Power Project Wetlands Site Visit - 07.27.2006

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