INSTALLATION NOTES

1. EXCAVATE A 4"x4" TRENCH ALONG THE LOWER PERIMETER OF THE SITE.

2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH (FABRIC SIDE AWAY FROM DIRECTION OF FLOW).

3. DRIVE THE POST INTO THE GROUND UNTIL THE FABRIC IS APPROXIMATELY 2" FROM THE TRENCH BOTTOM.

4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMPER THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH.

5. JOIN SECTIONS AS SHOWN.

SCALE: N.T.S.
CONSTRUCTION SPECIFICATIONS

1. Stone will be placed on a filter fabric foundation.
2. Set spacing of check dams to assume that the elevations of the crest of the downstream dam is at the same elevation of the toe of the upstream dam.
3. Extend the stone a minimum of 1.5 feet beyond the ditch banks to prevent cutting around the dam.
4. Protect the channel downstream of the lowest check dam from scour and erosion with stone or liner as appropriate.
5. Ensure that channel appurtenances such as culvert entrances below check dams are not subject to damage or blockage from displaced stones.

MAXIMUM DRAINAGE AREA 2 ACRES.

SOURCE: U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE SYRACUSE, NEW YORK

SCALE: N.T.S.
Roaring Brook Wind Power
Town of Martinsburg - Lewis County, New York
Appendix A - Temporary Stream Diversion

Notes:
Section AA

Note:
1. Depending on stream width and substrate, a middle support may be necessary.
2. Additional support matting may be required to protect the banks.

Plan

Source: Detail drafted from information provided by R.W. Reed, Inc., Mercersburg, PA.

Scale: N.T.S.
Appendix A - Typical Buried Interconnect Trench

- Restore surface to match existing conditions
- Approx. 12"
- Minimum 36" cover over power cable
- Direct buried fiber optic
- Direct buried power cable & ground

Notes:
Roaring Brook Wind Power
Town of Martinsburg - Lewis County, New York
January 2008

Appendix A - Turbine Dimensions - Gamesa G90

Notes:

Figure 3: Computer Model of Proposed Turbine

- Total Maximum Height: 145 Meters (476')
  (Includes Tower and Rotor)
- Rotor Diameter: 90 Meters (295')
- Tower / Hub Height: 100 Meters (322')
- Lowest Point of Blade: 55 Meters (180')
- Typical Turbine Color: White
  No Exterior Ladder or Climbing Pegs
- Typical Access Door Location

Notes:
Appendix A - Typical Access Road Construction

Temporary Access Road

- 34'-0" Temporary Access Width
- TOPSOIL WINDROW
- EXCAVATE TOPSOIL AND STOCKPILE IN WINDROW FOR USE IN RESTORATION
- Crane Travel Path 17'-0"
- 1% Compacted Subgrade
- GEOTEXTILE AND OR GEOGRID TO BE SPECIFIED BY ONSITE GEOTECH.
- Gravel or Crushed Stone Thickness and Type Based Upon GeoTech, Eng. and Soil Investigation
- ELEV. VARIES

Permanent Access Road

- 16'-0" Permanent Access Width
- BACKFILL WITH TOPSOIL AND RESTORE SURFACE
- 1% Compacted Subgrade
- GEOTEXTILE AND OR GEOGRID TO BE SPECIFIED BY ONSITE GEOTECH.
- Gravel or Crushed Stone Thickness and Type Based Upon GeoTech, Eng. and Soil Investigation
- ELEV. VARIES

Notes:
Roaring Brook Wind Power
Town of Martinsburg - Lewis County, New York

Appendix A - Typical Turbine Assembly Work Area

Notes: