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November 15, 2016

Via Electronic Filing

Ms. Barcy McNeal
Public Utilities Commission of Ohio
Administration/Docketing
180 East Broad Street, 11th Floor
Columbus, OH 43215-3793

Re: Hardin Wind Energy LLC, Case No. 09-479-EL-BGN

Dear Ms. McNeal:

The March 22, 2010 Opinion, Order, and Certificate ("Certificate") approving Hardin Wind Energy LLC's ("Hardin Wind Energy") Certificate of Environmental Compatibility and Public Need established a set of conditions as part of the Certificate. On April 29, 2011 in Case No. 11-3446-EL-BGA, the Ohio Power Siting Board ("OPSB") approved an amendment ("Amended Certificate") to Hardin Wind Energy's Certificate, which also established an additional set of conditions.

Within this set of conditions, **Certificate Condition No. 56** requires that:

If any changes are made to the project layout after the submission of final engineering drawings, all changes shall be provided to staff in hard copy and as geographically-referenced electronic data. All changes will be subject to staff review and approval prior to construction.

Also Certificate Condition No. 57(a) requires that:

At least 30 days before construction, Hardin shall submit to staff, for review and approval, the following documents:

(a) One set of engineering drawings of the final project design, including all turbine locations, collection lines, access roads, permanent meteorological towers, substations, construction staging areas, and any other associated facilities and access points, so that staff can determine that the final project design is in compliance with the terms of the certificate. The final project layout shall be provided in hard copy and as geographically-referenced electronic data. The plan shall include both temporary and permanent access routes, as well as the measures to be used for restoring the area around all temporary sections, and a description of any long-term stabilization required along permanent access routes. The plan shall consider the location of streams, wetlands, wooded areas, and sensitive plant species as identified by the Ohio EPA and/or ODNR-DNAP, and explain how impacts to all sensitive resources will be avoided or minimized during construction, operation, and maintenance.

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On October 31, 2017, Hardin Wind filed engineering drawings for the turbine foundations for the 2016 phase of construction. In compliance with Certificate Condition Nos. 56 and 57(a), attached is a copy of the updated typical design for the access roads.

If you have any questions please call at the number listed above.

Sincerely,

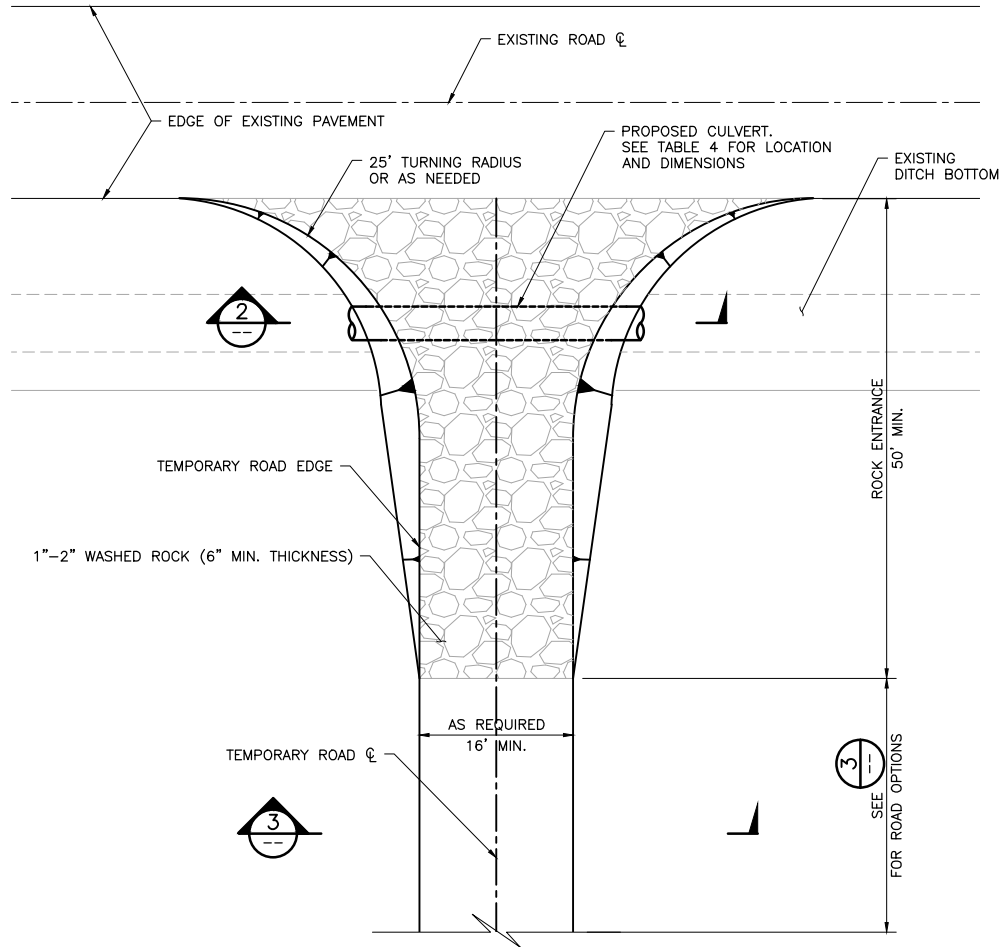


Sally W. Bloomfield

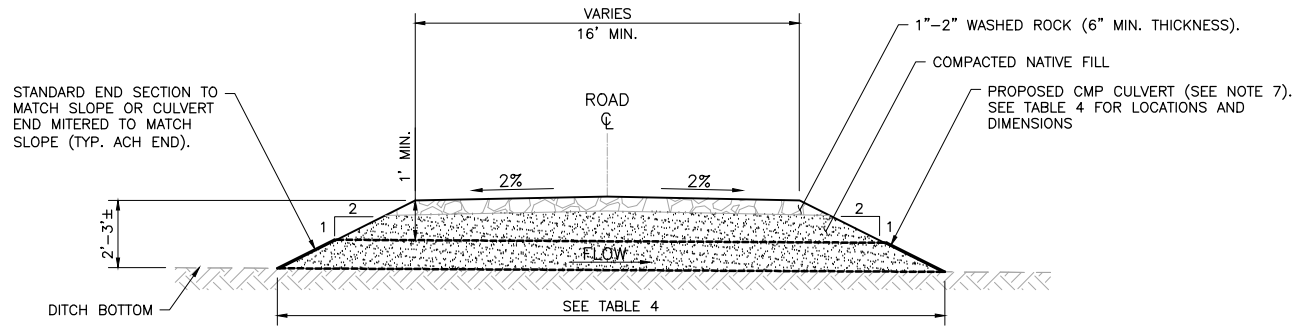
Attachment

cc: Andrew Conway (w/Attachment)
Derek Collins (w/Attachment)

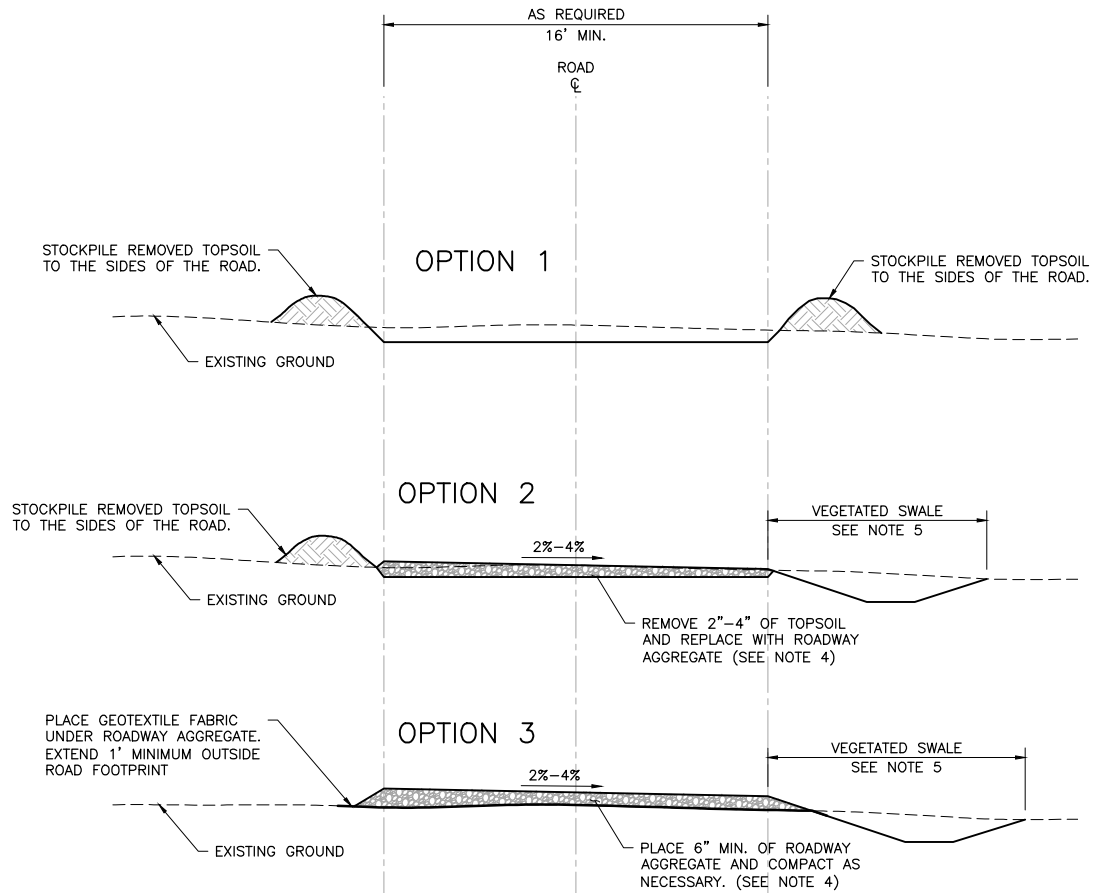
CADD USER: Carlos Bollinas FILE: M:\DESIGN\35331001\02\35331001\02_C-01.DWG PLOT SCALE: 1:2 PLOT DATE: 11/11/2016 2:31 PM
BARR M:\AutoCAD 2011\AutoCAD 2011 Support\enu\Template\Barr_2011_Template.dwt Plot at 1 10/05/2010 14:03:50



1 PLAN: CONSTRUCTION ENTRANCE – ROCK
NOT TO SCALE



2 SECTION: ROCK ENTRANCE CULVERT
NOT TO SCALE



3 SECTION: TEMPORARY ACCESS ROAD OPTIONS
NOT TO SCALE

CULVERT ID	LENGTH ⁸ (FT)	MIN. SLOPE ⁹ (%)	PIPE SIZE (IN)	MIN. COVER ¹⁰ (IN)
2	36	0.46	15	12
3	36	0.46	15	12
6	36	0.12	15	12
16				
20	36	0.40	15	12
21	36	1.22	15	12
33	36	0.39	24	12
35	36	1.19	15	12
37	36	0.39	18	12
101				
112				
113				
114				
116				

4 TABLE: ROCK ENTRANCE CULVERT SCHEDULE

NOTES:

- REMOVE DEBRIS AND ALL DELETERIOUS MATERIAL FROM UNDER THE CULVERT, AND PREPARE SUBGRADE AS PER MANUFACTURER RECOMMENDATIONS.
- MAINTAIN ENTRANCE THROUGHOUT THE CONSTRUCTION PERIOD AND REPAIR OR REPLACE AS REQUIRED TO PREVENT TRACKING SOILS/SEDIMENT OFFSITE.
- REMOVE ENTRANCE IN CONJUNCTION WITH FINAL GRADING AND SITE STABILIZATION (IF REQUIRED).
- ROADWAY AGGREGATE SHALL CONSIST OF WELL GRADED AGGREGATE, AS PER ODOT GRANULAR MATERIAL, SPECIFICATION SECTION 703.11, WITH LESS THAN 10 PERCENT FINES. CRUSHED LIMESTONE MAY BE USED AS AN ALTERNATE MATERIAL.
- VEGETATED SWALE SHALL BE CONSTRUCTED AS SPECIFIED IN THE SWPPP (DIMENSIONS TO BE DETERMINED AT FINAL DESIGN).
- SILT FENCE SHALL BE INSTALLED AS SPECIFIED IN THE SWPPP.
- ALL CULVERTS ARE CIRCULAR CORRUGATED METAL PIPE, GAUGE 12, 2 2/3 x 1/2 in CORRUGATIONS, UNLESS OTHERWISE NOTED.
- LENGTH OF CULVERTS ARE APPROXIMATE AND ARE SUBJECT TO FIELD CONDITIONS. CONTRACTOR SHALL FIELD VERIFY AND ADJUST LENGTH ACCORDINGLY.
- THE MINIMUM CULVERT SLOPE IS AN APPROXIMATION OF THE CURRENT SLOPE IN THE EXISTING DITCH. CONTRACTOR SHALL FIELD VERIFY AND PROVIDE POSITIVE DRAINAGE PREFERABLY AT 0.50% MIN.
- MINIMUM COVER AS PER ODOT LOCATION AND DESIGN MANUAL, VOLUME 2 – DRAINAGE DESIGN. CONTRACTOR SHALL ALSO COMPLY WITH MANUFACTURER RECOMMENDATIONS IF MORE STRINGENT.

PRELIMINARY DRAFT
NOT FOR CONSTRUCTION

					I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.					CLIENT BID CONSTRUCTION					Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435 Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com					Scale AS SHOWN Date 11/02/16 Drawn CMB2 Checked SJC Designed CMB2 Approved MBJ					INVENERGY, LLC. CHICAGO, ILLINOIS					HARDIN WIND PROJECT HARDIN COUNTY, OHIO					BARR PROJECT No. 3533/1001.05 CLIENT PROJECT No.				
					PRINTED NAME SIGNATURE DATE					RELEASED TO/FOR DATE RELEASED															TEMPORARY ACCESS ROADS SECTIONS AND CULVERT SCHEDULE					DWG. No. C-01					REV. No. A				

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

11/15/2016 9:34:28 AM

in

Case No(s). 09-0479-EL-BGN

Summary: Correspondence of Hardin Wind Energy LLC in Compliance with Certificate Condition Nos. 56 and 57(a)- Updated Plans electronically filed by Teresa Orahod on behalf of Sally W. Bloomfield