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November 15, 2016

*Via Electronic Filing*

Ms. Barcy McNeal  
Public Utilities Commission of Ohio  
Administration/Docketing  
180 East Broad Street, 11<sup>th</sup> 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.

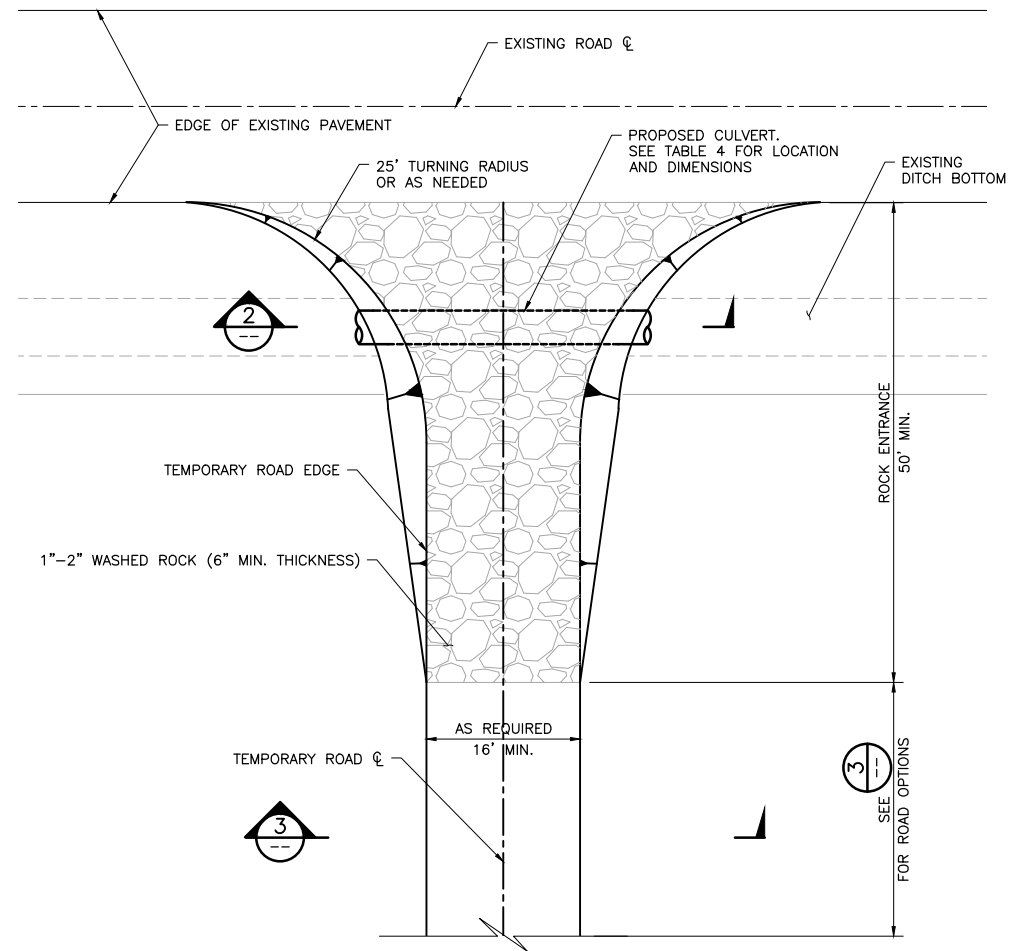
Sincerely,



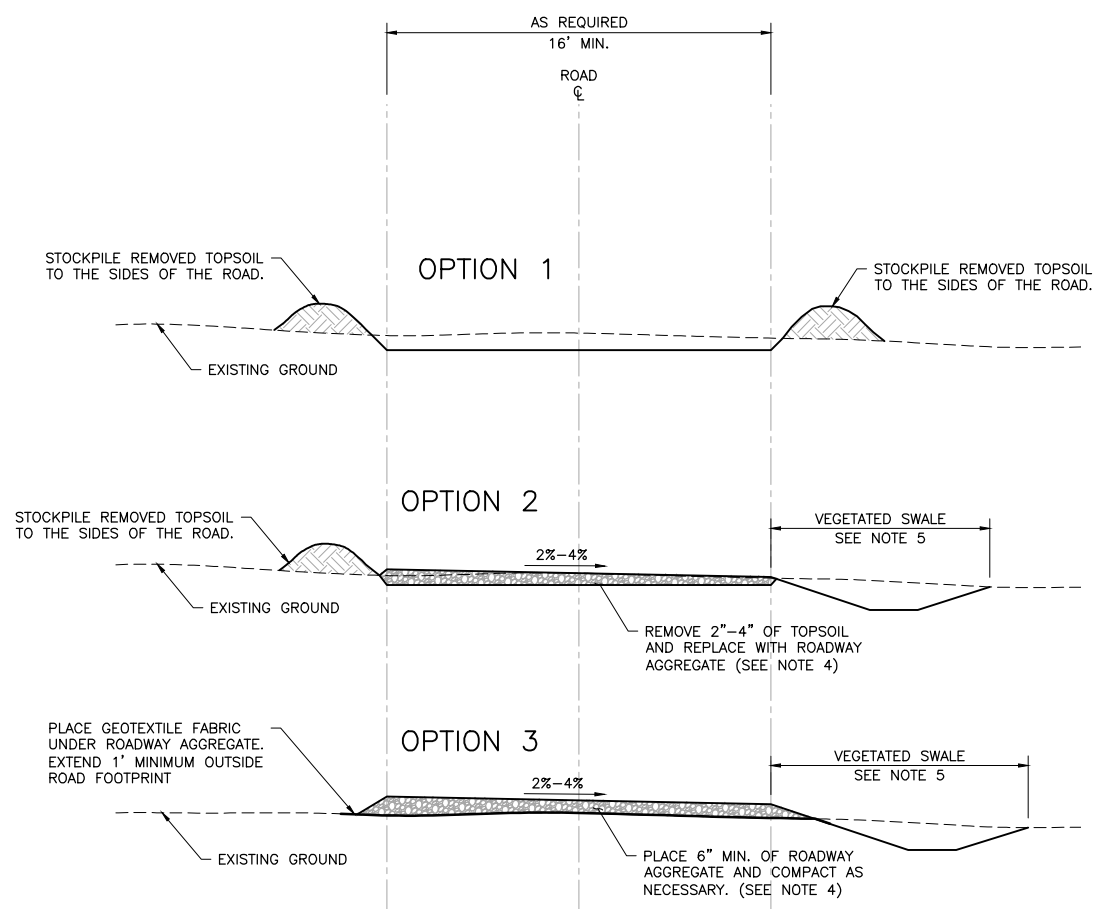
Sally W. Bloomfield

Attachment

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



1 PLAN: CONSTRUCTION ENTRANCE - ROCK  
NOT TO SCALE



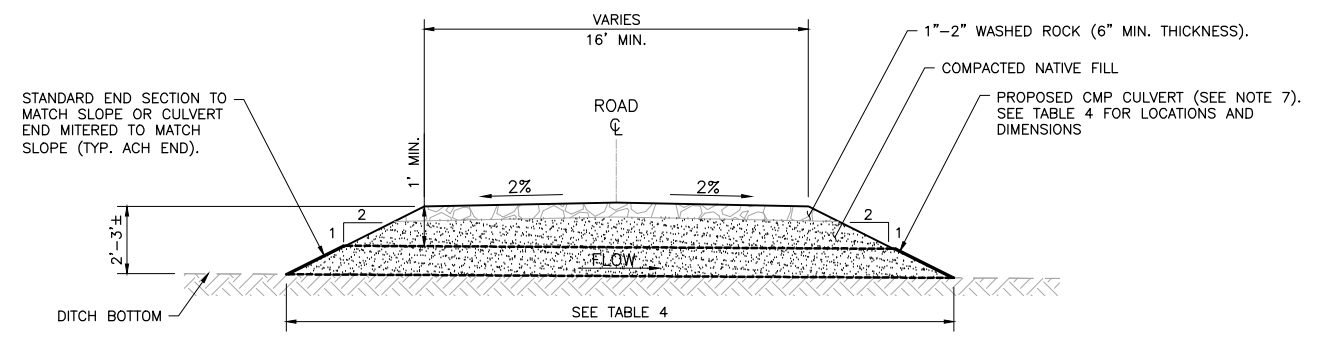
3 SECTION: TEMPORARY ACCESS ROAD OPTIONS  
NOT TO SCALE

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.

CULVERT ID	LENGTH <sup>8</sup> (FT)	MIN. SLOPE <sup>9</sup> (%)	PIPE SIZE (IN)	MIN. COVER <sup>10</sup> (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



2 SECTION: ROCK ENTRANCE CULVERT  
NOT TO SCALE

PRELIMINARY DRAFT  
NOT FOR CONSTRUCTION

CADD USER: Corios Bollinos FILE: M:\DESIGN\35331001\02\_35331001\02\_C-01.DWG PLOT SCALE: 1:2 PLOT DATE: 11/11/2016 2:31 PM  
BARR MA AutoCAD 2011 Support\enu\Template\Barr\_2011\_Template.dwt Plot at 1 10/05/2010 14:03:50

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. PRINTED NAME: _____ SIGNATURE: _____ DATE: _____ LICENSE # _____		CLIENT CONSTRUCTION		Project Office: <b>BARR ENGINEERING CO.</b> 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435 Corporate Headquarters: Minneapolis, Minnesota 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		<b>HARDIN WIND PROJECT</b> <b>HARDIN COUNTY, OHIO</b> <b>TEMPORARY ACCESS ROADS</b> <b>SECTIONS AND CULVERT SCHEDULE</b>		BARR PROJECT No. <b>3533/1001.05</b> CLIENT PROJECT No.	
		RELEASED TO/FOR DATE RELEASED				DWG. No. <b>C-01</b> REV. No. <b>A</b>					

**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