

December 29, 2016

Mr. Scott Ek
Minnesota Public Utilities Commission
121 Seventh Place East, Suite 350
St. Paul, MN 55101-2147

Re: Response to Information Request 1
Trishe Wind Minnesota project
Kandiyohi & Meeker Counties, Minnesota

Docket No. IP 6846/WS-10-798

Dear Mr. Ek:

This letter is submitted in response to the Minnesota Public Utilities Commission's Information Request 1, dated December 23, 2016. Trishe Wind Minnesota, LLC (TWM) responds as follows:

Requested Information:

“Provide a summary, with photos if available, of construction work performed at the permitted site to date, the date on which construction started, and the date on which it ceased.”

TWM Response:

TWM constructed the gravel interconnection substation pad for the project in accordance with plans developed by Westwood Professional Services, Inc. (copy attached). Construction of the pad was started on December 17, 2013 and completed on December 20, 2013. Representative photos of the pad are attached. The pad was constructed entirely within a 1.5 acre parcel acquired by TWM from Ralph Behm. No part of the pad lies on land that is not owned by TWM. TWM intends to incorporate the substation pad into the plans for a future, larger LWECs project it plans to pursue within the TWM Site Permit area.

TWM's predecessor, Lake Country Wind Energy, LLC, constructed two temporary meteorological towers on property owned by Wallace Gustafson and Gordon Behm.

The tower on the Gustafson property is a 100 meter lattice tower and is located on the west side of 135th Street SE about 0.39 mile north of 15th Avenue SE in Section 18 of Township 119N, Range 34W (UTM: Easting 353577.66, Northing 4997459.34, Zone 15T).

The tower on the Behm property is a 60 meter tip-up tower and is located on the south side of 38th Avenue NE, between 165th and 180th Streets NE in Section 34 of Township 120N, Range 33W (UTM: Easting 358738, Northing 5002157, Zone 15T). TWM intends to continue using them to collect meteorological data for use in pursuing a Certificate of Need (CON) and Site Permit for a new Large Wind Energy Conversion System (LWECS) project of larger size within the TWM Site

Permit area. TWM will continue to maintain valid leases for the two towers as long as they are in place and will decommission them if or when they are no longer needed.

Requested Information:

“Detail any grading, foundation installation, electrical installation, or other work conducted at the permitted site.”

TWM Response:

As previously stated, grading for the substation pad was completed in accordance with the attached Westwood plans. The meteorological towers were installed without grading. No other grading work has been performed within the TWM Site Permit area. No turbine foundations or electrical infrastructure have been constructed.

The 100 meter meteorological tower is supported by an approximately 4 x 4 foot poured concrete foundation and the guy lines are anchored with approximately 2 x 4 foot poured concrete “deadheads”.

The 60 meter tower is supported by a metal base plate and the guy lines are anchored with steel earth anchors. The meteorological towers are both powered by batteries and did not require any connections to the local electrical power distribution system.

Requested Information:

“Describe any physical changes made to the permitted site, in any manner, including restoration if performed.”

TWM Response:

The only physical changes made by TWM within the TWM Site Permit area were for the substation pad and temporary meteorological towers, as described in the preceding paragraphs.

Requested Information:

“Detail agreements made with participating landowners, if any.”

TWM Response:

Many leases for the TWM project have expired. Landowners hosting the meteorological towers have been paid in full for 2016 but their leases are expiring. TWM is currently negotiating new leases with those parties, as well as other participating landowners to facilitate preparation of plans and permitting materials for a new, larger LWECS project within TWM Site Permit area.

Mr. Scott Ek
December 29, 2016
Page 3

Please let me know if you have any further questions regarding the TWM project. As I have previously mentioned, we will be in touch with Commission staff in the coming months regarding future permitting efforts for a larger LWECS project to be proposed within the TWM Site Permit Area. We very much appreciate the Commission's past cooperation and look forward to future work with the Commission, Commission staff and the staff at the Department of Commerce, Office of Energy Environmental Review & Analysis.

Sincerely,

Trishe Wind Minnesota, LLC.



Randall Washington
Managing Director

GRADING NOTES

- ALL CONSTRUCTION SHALL CONFORM TO LOCAL, STATE AND FEDERAL RULES INCLUDING THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS. REFER TO THE STORM WATER POLLUTION PREVENTION PLAN PREPARED BY WESTWOOD FOR DETAILS.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, WARNING SIGNS, DIRECTIONAL SIGNS, FLAGGERS AND LIGHTS TO CONTROL THE MOVEMENT OF TRAFFIC WHERE NECESSARY. PLACEMENT OF THESE DEVICES SHALL BE APPROVED BY THE COUNTY AND ENGINEER PRIOR TO PLACEMENT. TRAFFIC CONTROL DEVICES SHALL CONFORM TO APPROPRIATE MINNESOTA HIGHWAY DEPARTMENT STANDARDS.
- THE CONTRACTOR SHALL COMPLETE THE SITE GRADING IN ACCORDANCE WITH THE REQUIREMENTS OF THE GEOTECHNICAL ENGINEER. ALL SOIL TESTING SHALL BE COMPLETED BY A THIRD PARTY TESTING LABORATORY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED TESTS AND INSPECTIONS WITH THE TESTING LABORATORY. THE COSTS OF RETESTING (IN CASE OF TESTS NOT MEETING STANDARDS) SHALL BE BORN BY THE CONTRACTOR.
- PRIOR TO PLACEMENT OF ANY STRUCTURE OR PAVEMENT, A PROOFROLL WILL BE REQUIRED ON THE SUBGRADE. PROOFROLLING SHALL BE ACCOMPLISHED BY MAKING MINIMUM OF 2 COMPLETE PASSES WITH FULLY-LOADED TANDEM-AXEL DUMP TRUCK, OR APPROVED EQUAL, IN EACH OF 2 PERPENDICULAR DIRECTIONS WHILE UNDER SUPERVISION AND DIRECTION OF AN INDEPENDENT TESTING LABORATORY. THE CONTRACTOR SHALL UNIFORMLY GRADE AREAS WITHIN LIMITS OF GRADING, INCLUDING ADJACENT TRANSITION AREAS. PROVIDE A SMOOTH FINISHED SURFACE WITHIN SPECIFIED TOLERANCES, WITH UNIFORM LEVELS OR SLOPES BETWEEN POINTS, WHERE ELEVATIONS ARE SHOWN, OR BETWEEN SUCH POINTS, AND EXISTING GRADES. AREAS THAT HAVE BEEN FINISH GRADED SHALL BE PROTECTED FROM SUBSEQUENT CONSTRUCTION OPERATIONS.
- ALL SLOPES SHALL BE GRADED TO 4:1 OR FLATTER, UNLESS OTHERWISE INDICATED ON THE PLAN. ALL SLOPES 4:1 OR GREATER SHALL BE SEEDED AND STABILIZED WITH FIBER BLANKET.
- SPOT ELEVATIONS AND PROPOSED CONTOURS INDICATE FINISHED GRADE SURFACE (TOP OF AGGREGATE).
- AFTER THE SITE GRADING IS COMPLETED, IF EXCESS SOIL MATERIAL EXISTS, THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS SOIL MATERIAL IN A MANNER ACCEPTABLE TO THE OWNER AND THE REGULATING AGENCIES INVOLVED.
- PROVIDE EROSION AND SEDIMENT CONTROL AT THE PERIMETER OF ALL TEMPORARY STOCKPILES. LOCATIONS TO BE DETERMINED BY SEQUENCE OF GRADING OPERATIONS.

Designed: **MPG**
 Checked: **CJC**
 Drawn: **MPG**

As-Built Drawing:

Revisions	DATE	DESCRIPTION

Prepared for:
NATIONALWIND
 706 2nd Avenue South, Suite 1200
 Minneapolis, MN 55440

LEGEND:

- PROPOSED ACCESS ROAD
- PROPOSED GRAVEL SURFACE
- PROPOSED RIPRAP
- PROPOSED EROSION CONTROL BLANKETS
- PROPOSED TOPSOIL SPOILS AREA
- PROPOSED 5' CONTOURS
- PROPOSED 1' CONTOURS
- PROPOSED CULVERT
- PROPOSED SILF FENCE/TOPSOIL BERM
- PROPOSED FIBER ROLL
- PROPOSED DITCH LINE
- EXISTING 5' CONTOURS
- EXISTING 1' CONTOURS
- SUBSTATION AREA

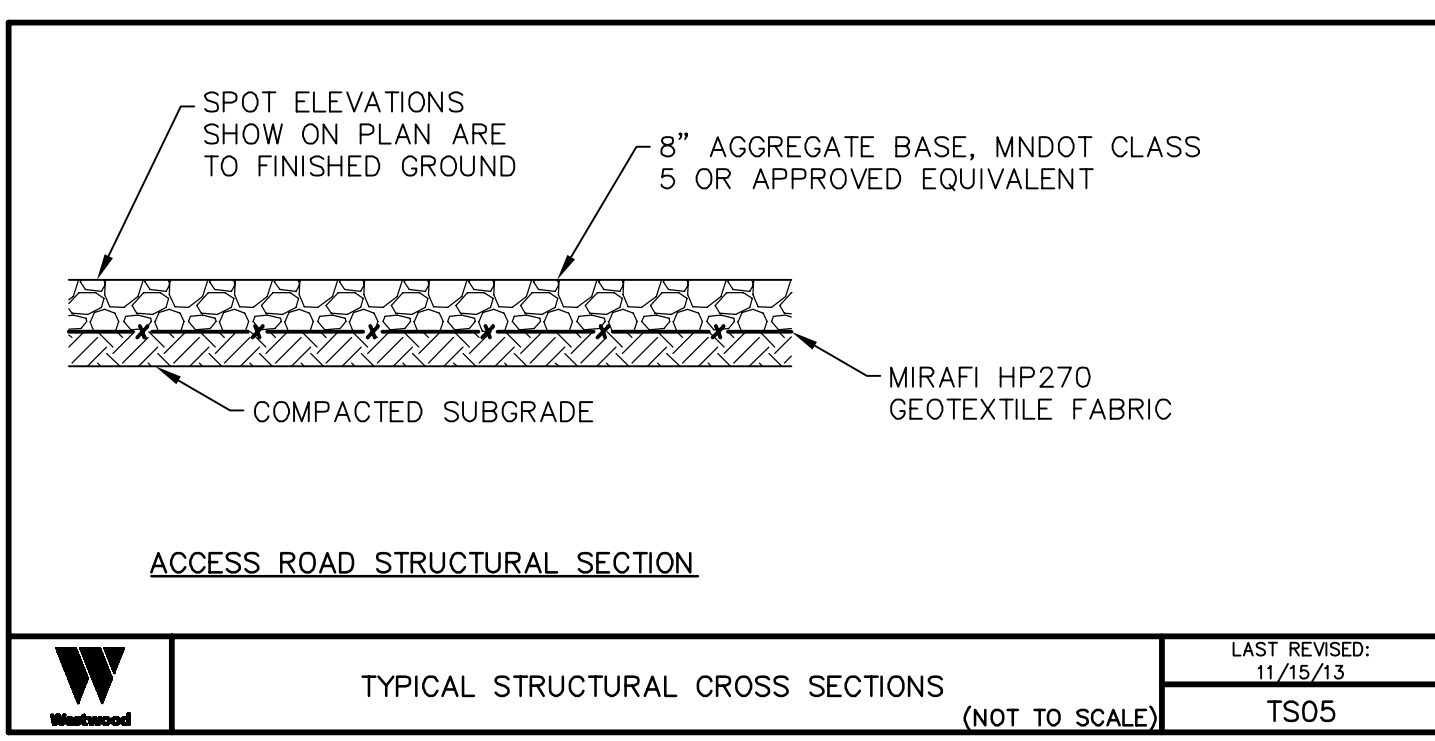
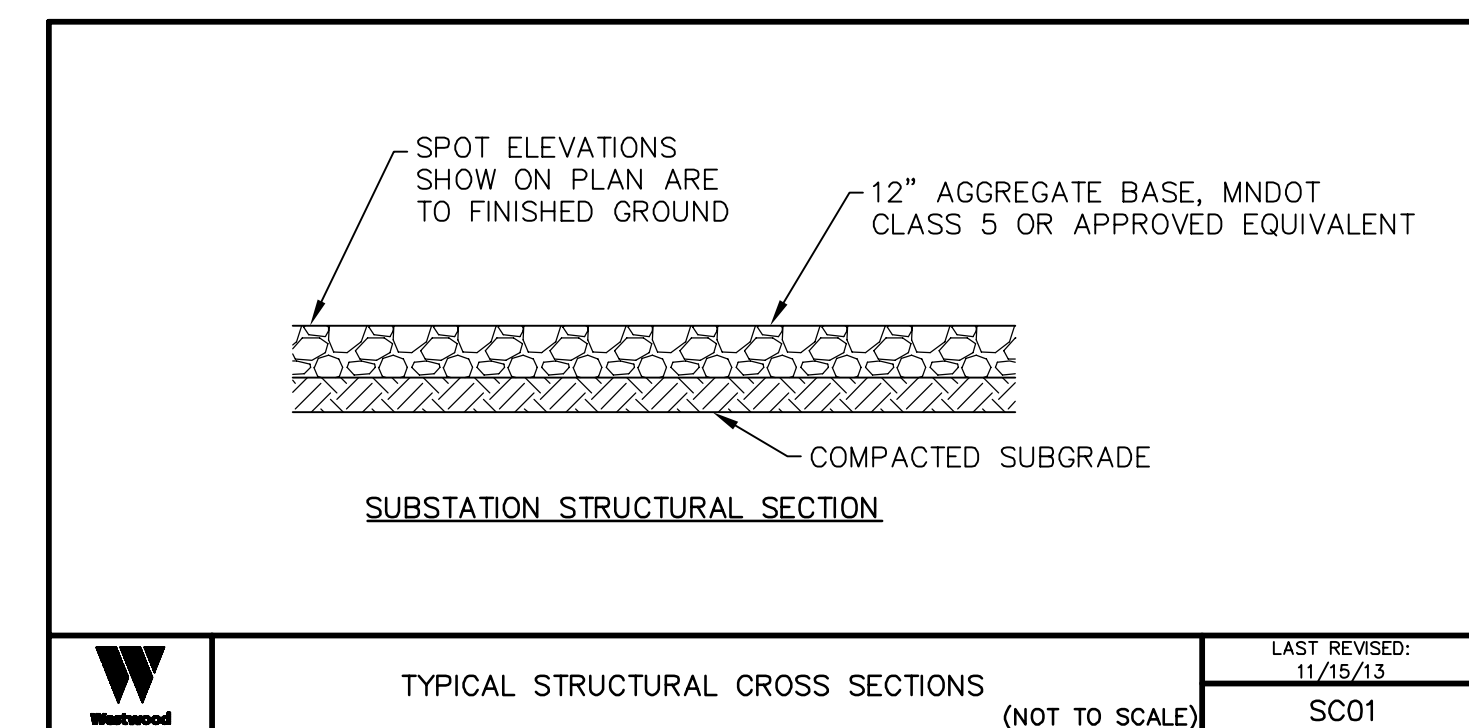
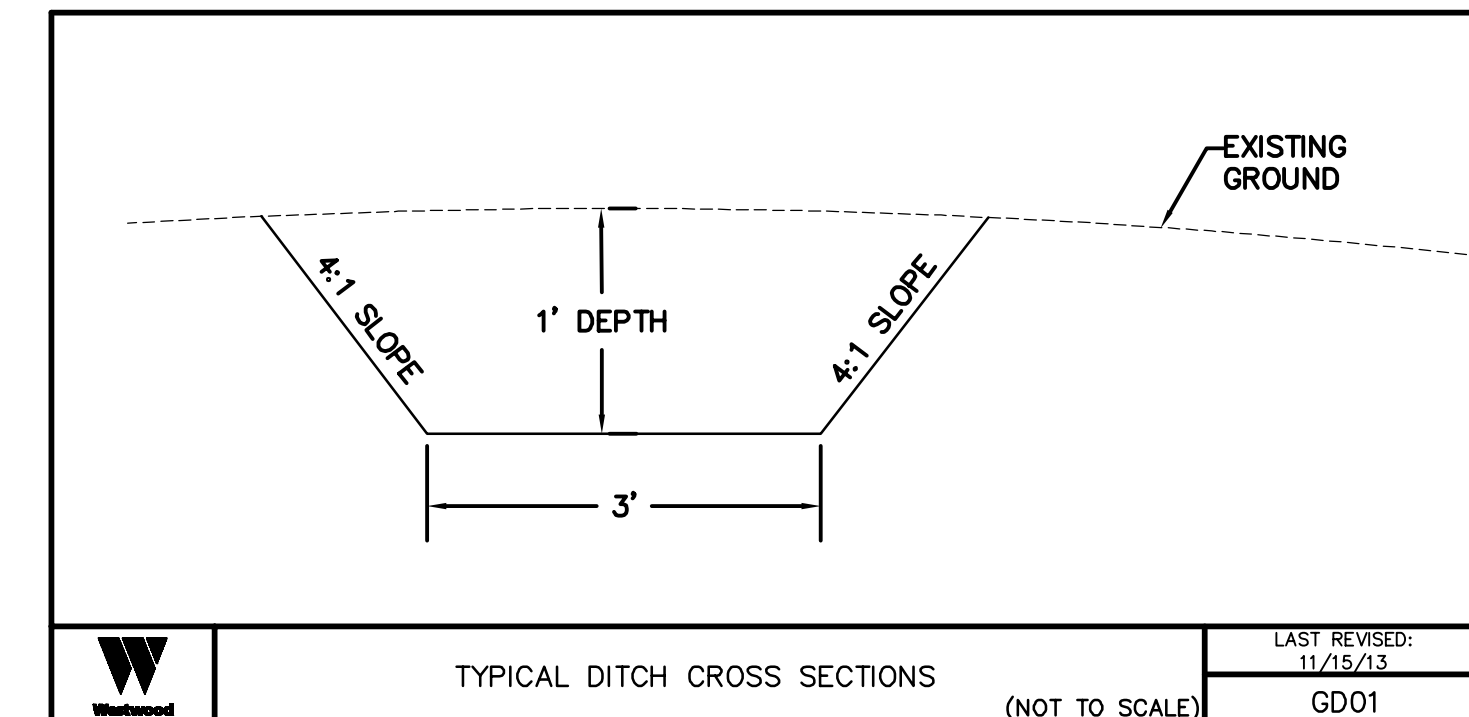
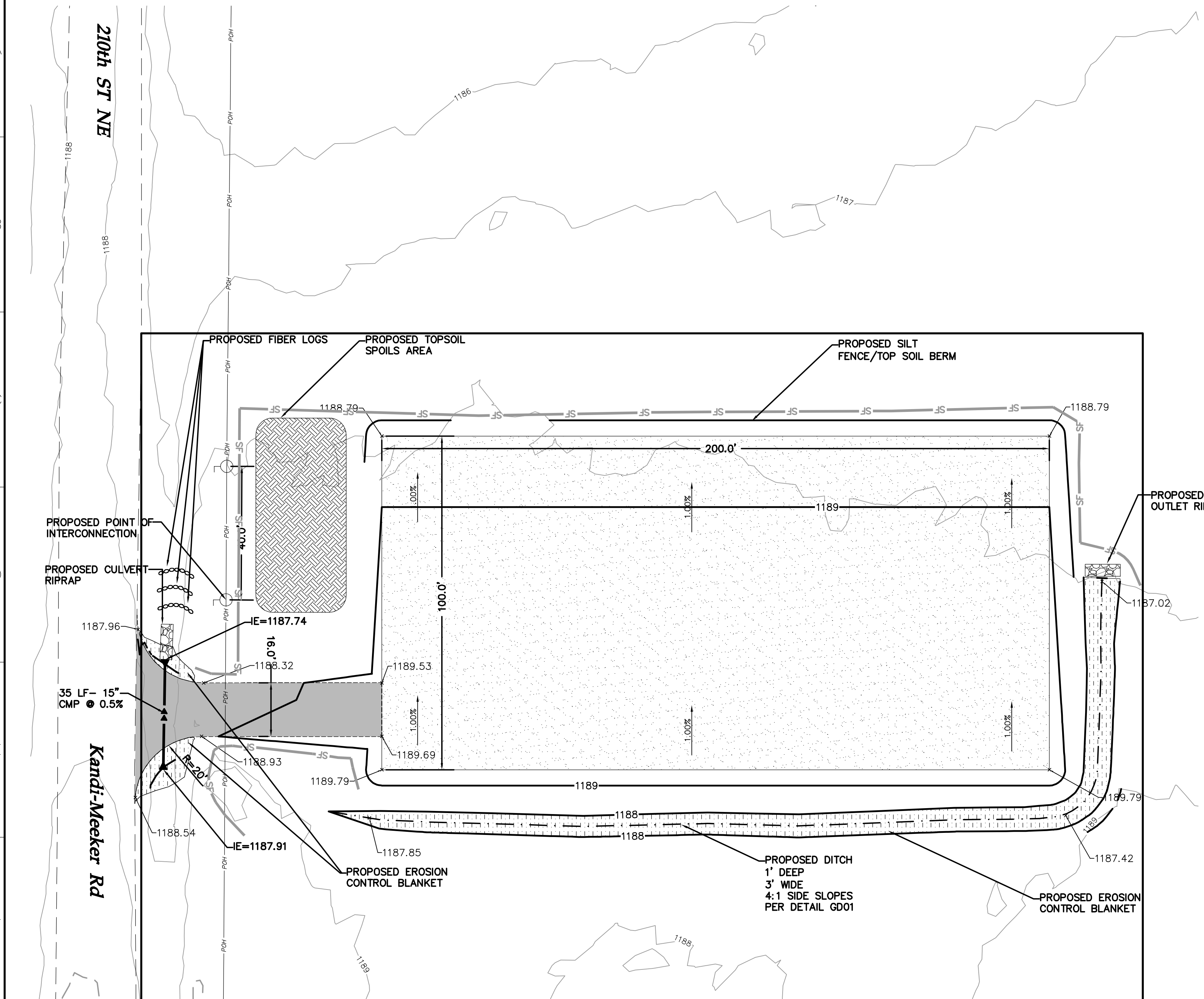
NOTE:
 ALL EROSION AND SEDIMENT CONTROL SHALL CONFORM TO THE PROJECT SWPPP

**Lake Country
 Wind Energy**
 Meeker County, Minnesota

Substation Grading

NOT FOR CONSTRUCTION

Date: **11/18/13**
 Sheet: **1 OF 1**



DISTURBANCE AREA 0.924 ac

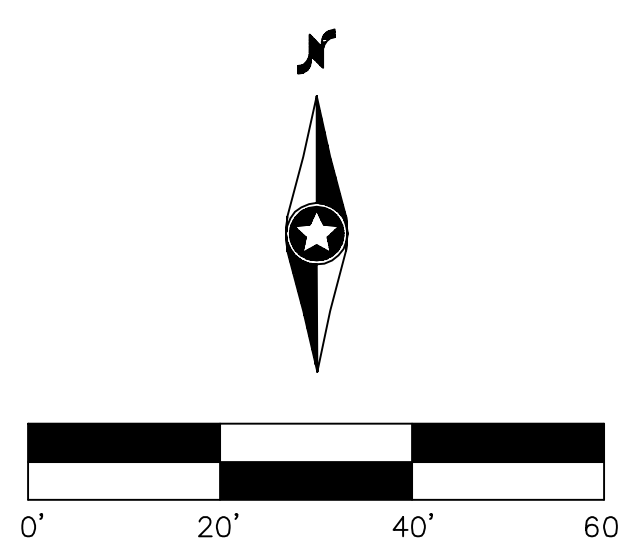
EARTHWORK

CUT	791 CY
FILL	833 CY
NET	42 CY (FILL)

QUANTITIES

SILT FENCE	487 LF
TOPSOIL SPREADING	1,064 CY

EARTHWORK VOLUMES ARE GENERIC CUT AND FILL. NO EXPANSION FACTORS WERE CONSIDERED



PRODUCTS

1. ROAD SURFACE SHALL CONSIST CLASS 5 AGGREGATE BASE, MNDOT SPEC 3138, MEETING THE GRADATION PROVIDED IN TABLE 1.
2. CULVERTS: SEE PLAN FOR CULVERT LOCATIONS. CULVERTS SHALL MEET THE MINIMUM SPECIFICATIONS SET FORTH BY THE MINNESOTA DEPARTMENT OF TRANSPORTATION AND/OR MEEKER COUNTY.

EXECUTION

1. CLEARING AND GRUBBING
 - A. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL TREES, STUMPS, BRUSH, AND DEBRIS WITHIN THE GRADING AREAS SHOWN ON THE PLANS. THE CONTRACTOR IS TO REMOVE ONLY THOSE TREES WHICH ARE DESIGNATED BY THE OWNER'S REPRESENTATIVE FOR REMOVAL, AND SHALL EXERCISE EXTREME CARE AROUND EXISTING TREES TO BE SAVED.
2. TOPSOIL STRIPPING
 - A. TOPSOIL SHALL BE STRIPPED FROM ALL ROADWAY AND FOUNDATION AREAS THROUGH THE ROOT ZONE. ASSUME 12" TOPSOIL STRIPPING FOR THIS PROJECT. TOPSOIL SHALL NOT BE STRIPPED OUTSIDE OF THE DESIGNATED DISTURBANCE AREAS.
 - B. ANY TOPSOIL, THAT HAS BEEN STRIPPED, SHALL BE RE-Spread OR STOCKPILED WITHIN GRADING AREAS AND/OR USED AS FILL OUTSIDE OF THE DISTURBANCE AREAS, AS DIRECTED BY THE ENGINEER. ALL TOPSOIL SHALL BE REDISTRIBUTED TO THE LAND OWNER'S PROPERTY OF WHERE IT ORIGINATED FROM.
3. EMBANKMENT CONSTRUCTION
 - A. EMBANKMENT CONSTRUCTION SHALL CONSIST OF THE PLACING OF SUITABLE FILL MATERIAL, AFTER TOPSOIL STRIPPING, ABOVE THE EXISTING GRADE. GENERALLY, EMBANKMENTS SHALL HAVE COMPACTED SUPPORT SLOPES OF FOUR FOOT HORIZONTAL TO ONE FOOT VERTICAL. THE MATERIAL FOR EMBANKMENT CONSTRUCTION SHALL BE OBTAINED FROM THE ACCESS ROAD/TURBINE EXCAVATION (SEE GEOTECHNICAL REPORT FOR RESTRICTIONS), OR ANY SUITABLE, APPROVED SOIL OBTAINED ONSITE/OFFSITE BY CONTRACTOR, AS DIRECTED OR APPROVED BY THE ENGINEER. THIS MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 8".
 - B. SIDE SLOPES GREATER THAN 4:1 WILL NOT BE PERMITTED, UNLESS OTHERWISE NOTED ON THE PLAN.

TESTING REQUIREMENTS:

1. TESTING SHALL BE PERFORMED BY A DESIGNATED INDEPENDENT TESTING AGENCY.
2. SUBMIT TESTING AND INSPECTION RECORDS SPECIFIED TO THE CIVIL ENGINEER OF RECORD FOR REVIEW.
 - A. THE ENGINEER WILL REVIEW THE TESTING AND INSPECTION RECORDS TO CHECK CONFORMANCE WITH THE DRAWINGS AND SPECIFICATIONS. THE ENGINEER'S REVIEW DOES NOT RELIEVE THE CONSTRUCTION CONTRACTOR FROM THE RESPONSIBILITY FOR CORRECTING DEFECTIVE WORK.
3. PROOF ROLLING:
 - A. PROOF-ROLLING SHALL BE PERFORMED IN THE PRESENCE OF THE GEOTECHNICAL ENGINEER OR QUALIFIED GEOTECHNICAL REPRESENTATIVE USING A FULLY LOADED TANDEM AXLE DUMP TRUCK WITH A MINIMUM GROSS WEIGHT OF 25 TONS OR A FULLY LOADED WATER TRUCK WITH AN EQUIVALENT AXLE LOADING. PROOF-ROLLING ACCEPTANCE STANDARDS INCLUDE NO RUTTING GREATER THAN 1.5 INCHES, AND NO "PUMPING" OF THE SOIL BEHIND THE LOADED TRUCK.
4. SIEVE ANALYSIS:
 - A. SIEVE ANALYSIS SHALL BE CONDUCTED IN ACCORDANCE WITH AASHTO T27
5. PROCTOR:
 - A. PROCTORS SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D698 (STANDARD PROCTOR)
6. ATTERBERG LIMITS:
 - A. ATTERBERG LIMITS SHALL BE DETERMINED IN ACCORDANCE WITH AASHTO T89 AND T90
7. MOISTURE DENSITY (NUCLEAR DENSITY):
 - A. MOISTURE DENSITY TESTING SHALL BE DONE IN ACCORDANCE WITH AASHTO T310
8. DYNAMIC CONE PENETROMETER (DCP) TESTING:
 - A. DCP TESTING SHALL BE DONE IN ACCORDANCE WITH ASTM D6951-03
9. TEXAS WET BALL MILL TESTING:
 - A. WET BALL MILL TESTING SHALL BE DONE IN ACCORDANCE WITH TEX-116--E

SUBGRADE COMPACTION, TEST ROLLING AND AGGREGATE BASE COMPACTION:

1. FILL MATERIAL:
 - A. SOILS USED AS FILL MATERIAL SHALL BE TESTED FOR GRAIN SIZE ANALYSIS, MOISTURE CONTENT, ATTERBERG LIMITS ON FINES CONTENT, PROCTOR TESTS (STANDARD DRY MAXIMUM DENSITY),
 - a. FOR PLACED & COMPACTED FILLS, PROVIDE ONE COMPACTION TEST PER LIFT FOR EVERY 1000 FT OF ROAD LENGTH. INCLUDE THE LOCATION, DRY DENSITY, MOISTURE CONTENT, AND COMPACTION PERCENT BASED ON STANDARD PROCTOR MAXIMUM DRY DENSITY.
 - B. IN CUT AREAS, OR WHERE EMBANKMENT CONSTRUCTION REQUIRES LESS THAN 12 INCHES OF FILL PLACEMENT, COMPACT TO A MINIMUM OF 97% OF THE MATERIAL'S MAXIMUM DRY DENSITY AND WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT AS DETERMINED IN ACCORDANCE WITH ASTM D698.
 - C. GEOTECHNICAL ENGINEER SHALL BE CONSULTED BY CONTRACTOR FOR DETERMINATION OF SUITABILITY.
2. COMPACTED SUBGRADE:
 - A. THE SUBGRADE SHOULD BE SCARIFIED TO A MINIMUM DEPTH OF 12 INCHES, MOISTURE CONDITIONED TO WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT AND RECOMPACTED TO A MINIMUM OF 97% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698.
 - B. THE ENTIRE SUBGRADE SHOULD BE PROOF-ROLLED PRIOR TO THE PLACEMENT OF THE AGGREGATE BASE TO IDENTIFY AREAS OF UNSTABLE SUBGRADE. PROOF-ROLLING SHOULD BE PERFORMED IN THE PRESENCE OF THE GEOTECHNICAL ENGINEER OR QUALIFIED GEOTECHNICAL REPRESENTATIVE USING A FULLY LOADED TANDEM AXLE DUMP TRUCK WITH A MINIMUM GROSS WEIGHT OF 25 TONS OR A FULLY LOADED BELLY DUMP WITH AN EQUIVALENT AXLE LOADING. PROOF-ROLLING ACCEPTANCE STANDARDS INCLUDE NO RUTTING GREATER THAN 1.5 INCHES, AND NO "PUMPING" OF THE SOIL BEHIND THE LOADED TRUCK.
 - C. IF EXCESSIVE PUMPING IS ENCOUNTERED, PARTIALLY REMOVE UNSUITABLE SOILS AND RECOMPACT AND/OR REPLACE WITH GRANULAR SOILS AND RECOMPACT.
3. AGGREGATE BASE:
 - A. AGGREGATE BASE MATERIALS SHALL BE MOISTURE CONDITIONED TO WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT AND COMPACTED TO A MINIMUM OF 98% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698.
 - B. AGGREGATE BASE SHALL BE PROOF-ROLLED. PROVIDE 1 DCP TEST FOR EVERY 1,000 LBS OF AGGREGATE. THE SURFACE SHALL BE COMPACTED TO ACHIEVE A PENETRATION INDEX VALUE LESS THEN OR EQUAL TO 10 MM/BLOW. PROVIDE 1 SIEVE ANALYSIS PER 500 CY OF AGGREGATE BASE PLACED (PROJECT MINIMUM OF 3).
 - a. IF PROOF ROLLING DETERMINES THAT THE ROAD IS UNSTABLE, ADDITIONAL AGGREGATE SHALL BE ADDED UNTIL THE UNSTABLE SECTION IS ABLE TO PASS A PROOF ROLL.
 - C. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE CONDITION OF THE PAD DURING CONSTRUCTION AND THE FINAL ACCEPTANCE OF THE PAD WILL BE BASED ON A PROOF ROLL OF THE AGGREGATE SURFACE AT THE END OF THE PROJECT.

GENERAL NOTES:


1. GROUND SURFACE CONTOURS (AT TWO-FOOT VERTICAL INTERVALS) AND ELEVATIONS ARE BASED ON LIDAR FROM THE STATE OF MINNESOTA'S MNGEO WEBSITE. THE LIDAR DEM IS BASED ON PUBLICLY AVAILABLE DATA AND IS GENERALLY ACCURATE TO WITHIN +/- 1 FOOT VERTICALLY. THE CONTRACTOR WILL FIND THAT GROUND ELEVATIONS DETERMINED DURING FIELD STAKING WILL VARY FROM THE GROUND ELEVATIONS SHOWN ON THE DRAWINGS. WHERE MAJOR DISCREPANCIES ARE FOUND, THE OWNER AND ENGINEER SHALL BE CONTACTED AND NOTIFIED.
2. THE PLANIMETRIC FEATURES SHOWN ON THESE CONSTRUCTION DRAWINGS WERE DIGITIZED FROM AERIAL PHOTOGRAPHY OBTAINED FROM MNGEO AERIAL IMAGERY. THIS IMAGERY USES A 1.5-FOOT PIXEL SPACING AND IS ESTIMATED TO BE GENERALLY ACCURATE TO +/- 5 FEET HORIZONTALLY, BUT GREATER VARIATIONS MAY OCCUR.
3. EFFORTS SHALL BE MADE TO MINIMIZE SOIL DISTURBANCE TO AREAS OUTSIDE OF THE GRADING LIMITS AND TURBINE SITES. GRADING LIMITS ARE REPRESENTED ON THE PLANS WITH A "-GL-", IF THE ENTIRE WIDTH OF THE GRADING LIMITS CORRIDOR IS NOT NEEDED FOR CONSTRUCTION, THE CONTRACTOR SHALL ONLY CLEAR THE ROOM THAT IS NECESSARY.
4. ANY FACILITIES REMOVED TO ALLOW FOR CONSTRUCTION (MAILBOXES, SIGNS, FENCES, LIGHTING, ETC.) SHALL BE REPLACED BY THE CONTRACTOR IN A CONDITION AS GOOD AS EXISTING UNLESS OTHERWISE DIRECTED BY THE OWNER.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. CONSTRUCTION ACTIVITIES SHALL NOT BLOCK THE NATURAL OR MANMADE CREEKS OR DRAINAGE SWALES CAUSING RAINWATER TO POND. DEPENDING ON FIELD CONDITIONS, ADDITIONAL CULVERTS IN EXCESS OF THOSE ON THE PLANS MAY BE REQUIRED.
6. THE CONTRACTOR SHALL DISPOSE OF EXCESS SOIL IN AN APPROVED MANNER. A SPOILS AREA HAS BEEN SHOWN ON THE PLANS FOR EXCESS MATERIAL STORAGE THAT SHALL BE CONFIRMED WITH THE PROJECT OWNER AND LAND OWNER PRIOR TO MATERIAL PLACEMENT. SPOIL MATERIAL SHALL BE GRADED SO THAT STORM WATER RUNOFF DOES NOT POND ON THE SPOILS AREA OR THE SURROUNDING TERRAIN. EXCESS TOPSOIL SHALL BE DISTRIBUTED INTO A THIN LAYER ON LAND IMMEDIATELY ADJACENT TO WHERE THE TOPSOIL ORIGINATED. WHILE DOING SO THE CONTRACTOR SHALL AVOID CAUSING RIDGES OR MOUNDS THAT WOULD MAKE IT DIFFICULT FOR STORM WATER RUNOFF TO DRAIN. THE FINAL SURFACE OF THE DISTURBED TOPSOIL SHALL BE SMOOTH AND FOLLOW THE NATURAL CONTOUR OF THE LAND. DISTURBED AREAS OUTSIDE OF THE FINAL ROADWAY SHALL BE SEEDED AND MULCHED.
7. THE CONTRACTOR SHALL NOTIFY GOPHER STATE ONE CALL 811 AT LEAST 48 HOURS BEFORE EXCAVATION ACTIVITIES COMMENCE.
8. GEOTECHNICAL REPORTS WITH RECOMMENDATIONS HAVE BEEN PREPARED BY TERRACON. THE CONTRACTOR SHALL BE FAMILIAR WITH THE REPORTS AND SHALL REVIEW ALL RECOMMENDATIONS.
9. WETLAND, CULTURAL RESOURCE, AND ENVIRONMENTAL REPORTS WERE PREPARED BY WESTWOOD. THE CONTRACTOR SHALL BE FAMILIAR WITH THESE REPORTS AND VERIFY WITH OWNER PRIOR TO CONSTRUCTION. THE LOCATIONS OF CULTURAL RESOURCE SITES MAY BE CONFIDENTIAL AND PROTECTED BY STATE OR FEDERAL LAW. PUBLIC RELEASE OF SPECIFIC INFORMATION REGARDING THESE RESOURCES MAY BE RESTRICTED.
10. THERE MAY BE ADDITIONAL EXISTING INFRASTRUCTURE, UTILITIES, AND OBSTACLES WHICH DO NOT APPEAR RECOGNIZABLE ON THE AERIAL IMAGERY AND WERE NOT DIGITIZED FOR THIS PLAN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE MINOR ADJUSTMENTS WHILE STAYING WITHIN THE GRADING LIMITS TO AVOID THESE ITEMS IF NEEDED. IF MINOR ADJUSTMENTS ARE NOT SUFFICIENT, THE CONTRACTOR SHALL WORK WITH THE OWNER/ENGINEER TO AVOID THESE ITEMS IN AN ACCEPTABLE MANNER.

STORMWATER POLLUTION PREVENTION PLAN (SWPPP):

1. REFER TO THE SWPPP BOOKLET FOR SEDIMENT AND EROSION CONTROL PROCEDURES, LOCATIONS OF BMPs, DETAILS, AND INSPECTION INFORMATION. NOT ALL BMPs REQUIRED BY THE NPDES PERMIT AND DESCRIBED IN THE SWPPP ARE SHOWN ON THE PLANS.
2. ALL GROUND DISTURBED DURING CONSTRUCTION ACTIVITIES AND NOT COVERED BY ROAD SURFACING MATERIALS, SHALL BE SEEDED IN ACCORDANCE WITH THE SWPP PLAN.
3. TEMPORARY EROSION CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE TEMPORARY EROSION CONTROL PLAN SHALL BE IN ACCORDANCE WITH THE MINNESOTA POLLUTION CONTROL AGENCY AND THE LAKE COUNTRY STORMWATER POLLUTION PREVENTION PLAN ON FILE.

PROJECT CONTACT INFORMATION:

TITLE	COMPANY	NAME	CONTACT NUMBER
OWNER	LAKE COUNTRY WIND ENERGY, LLC	WILL COOKSEY	612-746-6615
PROJECT MANAGER	WESTWOOD	CHRIS CARDA	952-906-7459
ENGINEER OF RECORD	WESTWOOD	CHRIS CARDA	952-906-7459
CONTRACTOR	TBD		
MPCA		BRIAN GREEN	507-206-2610



Westwood Professional Services, Inc.
7699 Anagram Drive
Eden Prairie, MN 55344
PHONE 952-937-5150
FAX 952-937-5822
TOLL FREE 1-888-937-5150
www.westwoodps.com

Designed: **MPG**

Checked: **CJC**

Drawn: **MPG**

As-Built Drawing:

Revisions:

#	DATE	DESCRIPTION

Prepared for:



706 2nd Avenue South, Suite 1200
Minneapolis, MN 55440

NOTE:
ALL EROSION AND SEDIMENT CONTROL SHALL CONFORM TO THE PROJECT SWPPP

**Lake Country
Wind Energy**
Meeker County, Minnesota

Construction Notes

NOT FOR CONSTRUCTION

Date: **11/18/13**

Sheet: **2 OF 2**

TABLE 1: MNDOT CLASS 5, MNDOT SPEC 3138

SIEVE SIZE	PERCENT PASSING
1"	(100)
3/4"	(90-100)
3/8"	(50-90)
#4	(35-80)
#10	(20-65)
#40	(10-35)
#200	(3.0-10.0)

TABLE 2: RECOMMENDED INCREASES TO ROAD BASE THICKNESS FOR SUBGRADE DCP TEST FAILURES

DCP INDEX (MM/BLOW)	ADDITIONAL GRAVEL THICKNESS (INCHES)
<25	-
26-35	2
36-45	4
46-55	6
56-65	8
66-75	12
<75	16



Substation Pad: Northwest Corner Looking Southeast



South Edge of Substation Pad: Southwest Corner Looking East



Entrance Drive to Substation Pad w Culvert & RFD Signage



North Edge of Substation Pad: Southeast Corner Looking West



60 Meter Met Tower – Gordon Behm Property



100 Meter Lattice Tower – Wallace Gustafson Property