

August 31, 2017

Jerry Lein
Public Utility Analyst
North Dakota Public Service Commission
600 E. Boulevard Ave. Dept. 408
Bismarck, ND 58505-0480
(701)328-4153



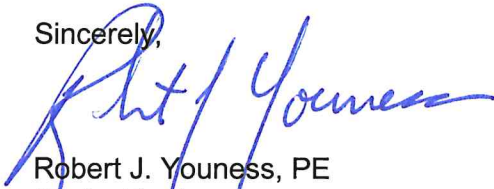
Subject: NDPSC Construction Top Soil Removal Inspection No. 1 Report PU-13-840 Ulteig Project No. R15.01328
MDU 345 KV Interconnection Substation Ellendale, North Dakota

Dear Ms. Cardwell :

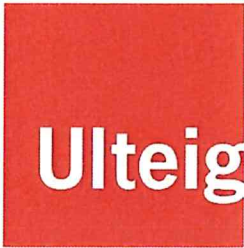
Enclosed please find the referenced **Top Soil Removal Inspection No. 1** Report. If you have any questions, please don't hesitate to contact our office.

The attached document is signed and sealed.

Sincerely,



Robert J. Youness, PE
Senior Engineer
bob.youness@ulteig.com | 701-355-2343



MDU 345 kV Interconnection Substation at Ellendale, North Dakota TOPSOIL REMOVAL INSPECTION Report No. 1

Inspector Name:

Robert J. Youness (Ulteig) – bob.youness@ulteig.com, Mobile: (913)481-6700

Weather:

Cloudy: 78 degrees F

Job Site Attendies:

Mark Dihle (MDU Environmental Scientist) – mark.dihle@mdu.com -701-222-7865

Daniel Albrecht (MDU Substation Engineer) – daniel.albrecht@mdu.com-701-222-7680

Kenny Aberle (MDU) – 605-848-3010

Mitchel Voller (MDU) – 605-848-0797

Tony Schantz (MDU Construction Supervisor) – 701-595-2673

Tyler Szarkowski (Scherbenskei Construction) 701-269-4333

Dan Kachel (Scherbenskei Construction Operator Contact) 701-269-2747

GENERAL INFORMATION

Inspection Date:

8-16-2017

Precipitation:

0.00

**Job Site Construction Meeting
Top Soil Removal Storage and Replacement**

Report Number: PU-13-840

Ulteig Project Number: R16.01328

Completion of Top Soil Jobsite Inspection:

In accordance with the executed contract dated January 5, 2016 - Ulteig attended a job site meeting with MDU and the contractor on August 16, 2017. Ulteig reviewed the pre-construction conditions of the job site and discussed the TOPSOIL REMOVAL and storage locations considered for the project. The contractor is required to segregate the top soil and store the materials on a location mutually agreed to with the adjacent land owner. Since this project is primarily a grading project for the substation, it is anticipated that all the subsoil will be utilized on site and top soil will be used by the adjacent land owner.

Mr. Youness identified the roll of Ulteig at the job site and the requirements as set forth in the Commission Order. Mr. Youness described the process for the separation, stock piling and replacement of all topsoil. The top soil is to be stockpiled in an area that will not be effected by construction activities.

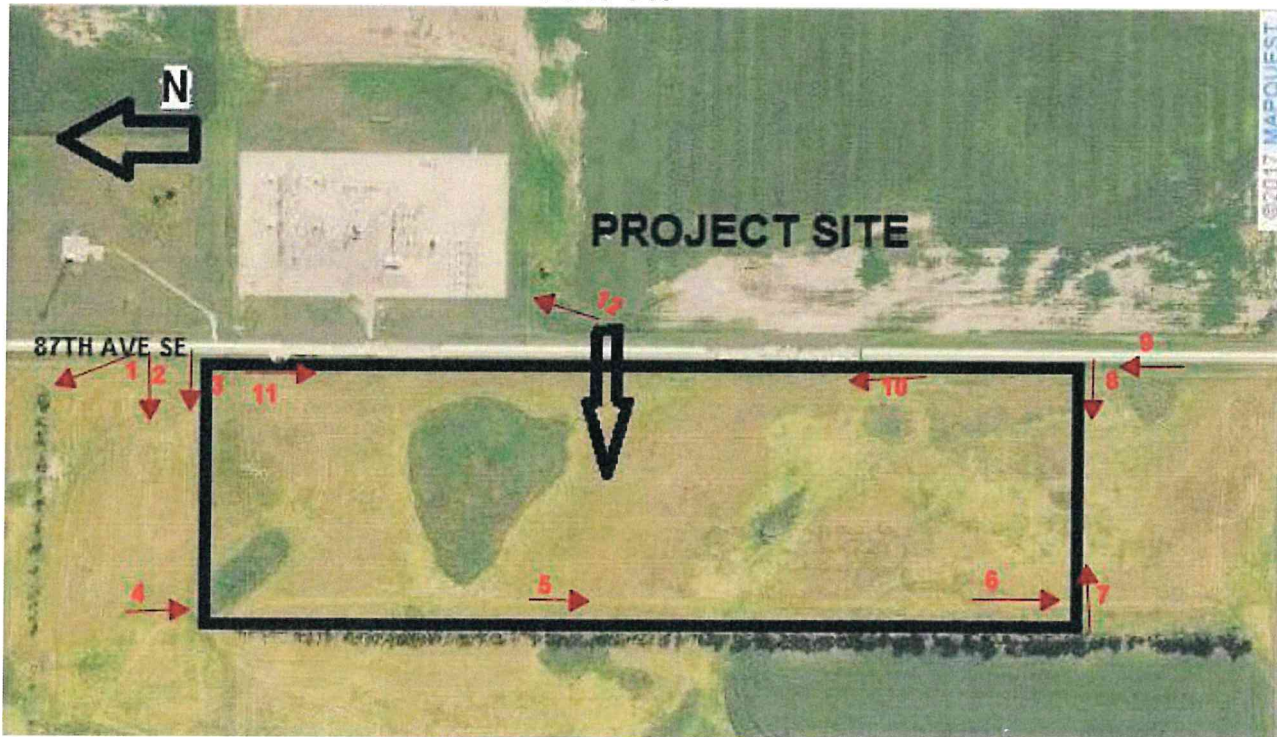
Communications at the jobsite between Mr. Youness and project construction personnel will be through the jobsite management. All information and discusses from Mr. Youness will be to Tony Schantz and Tyler Szarkowski in order to avoid confusion or misdirection.

The topsoil is estimated to 8 inch to 18 inches depth. Whatever the depth, the top soil is to be removed and stockpiled separate from the subsoil. The topsoil is to be placed on the adjacent land owner's property and used by the land owner at his discretion. A portion of the top soil could be used within the right of way for areas disturbed by construction.

The substation site is located west of Ellendale, North Dakota:



Location Map- Exhibit 1
Ellendale Substation Project
PU13-840



SUBSTATION SITE
Arrows show direction of Photos
Exhibit #2
87TH Avenue SE



**Proposed Stock Pile Location
North of Project Site
Photo 1**



**NE Property Corner
Photo 2 Looking West
Along Existing Power ROW**



**NE Property Corner
Photo 3 Looking West
Along Existing Power ROW**



**NW Property Corner
Photo 4 Looking South
Existing Conditions**



**Mid W Property Line
Looking South "Bare Soil"
Photo 5**



**SW Property Corner
Photo 6 Looking South
Along West Property Line**



**SW Property Corner
Photo 7 Looking East "Bare Soil"
Site on the Left**



**SE Property Corner
Photo 8 Looking West
Along South Property Line**



**SE Property Corner
Photo 9 Looking North "ROW"
Along 87th Avenue SE**



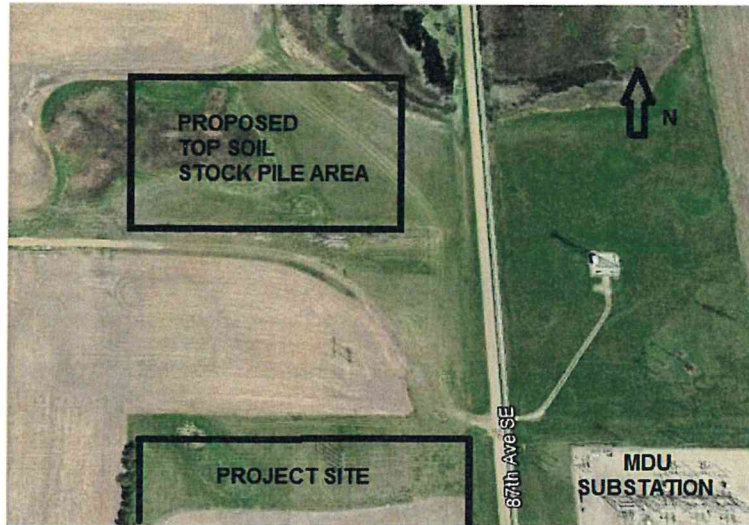
**SE Property Corner
Photo 10 Looking North
Along East Property Line**



**NE Property Corner
Photo 11 Looking South "ROW"**



**Existing MDU Substation
Photo 12 Looking NE**



PROPOSED TOP SOIL STOCK PILE AREA
Exhibit #3
West of 87TH Avenue SE

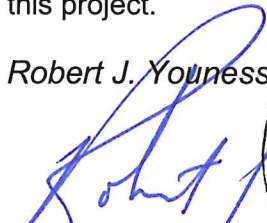
MDU has reached an agreement to stock pile the top soil from the project site on the adjacent property. Since the top soil will not be needed for the substation project, the owner of the land will use the top soil to raise low lying areas on his farm.

The proposed construction work will be located on the project site, which is owned by MDU. Since some access drives will be located off of 87th Avenue SE, the contractor will be responsible for grading and seeding areas disturbed within the right of way.

Inspection Requirements:

Inspector shall perform and document TOPSOIL REMOVAL INSPECTION(S) during the topsoil removal phase(s) of the project to verify that topsoil has been properly removed and kept segregated from subsoil until replacement occurs. Inspector shall provide and maintain personnel at each construction spread during topsoil and subsoil removal and segregation activities until such time as Inspector has determined that equipment operators have demonstrated proficiency concerning topsoil and subsoil removal and segregation in compliance with the Commission's Order.

In accordance with the executed contract between Ulteig and the Public Service Commission, dated April 20, 2016, all reports must be approved and signed by the lead project manager responsible for this project.

Robert J. Youness, PE

Ulteig Engineers, Inc.
1412 Basin Avenue
Bismarck, ND 58504

