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November 22, 2017

Ms. Barcy F. McNeal, Secretary
Ohio Power Siting Board
Docketing Division
180 East Broad Street, 11th Floor
Columbus, OH 43215

**Re: Case No. 13-197-EL-BGN, 16-1687-EL-BGA, and 17-1099-EL-BGA
Trishe Wind Ohio, LLC
Update to September 1, 2017 Filing Regarding Compliance with
Condition 6 – Drawings for Final Design Plan**

Dear Ms. McNeal:

Trishe Wind Ohio, LLC (“Applicant”) is certified to construct a wind-powered electric generation facility in Paulding County, Ohio (“Project”), in accordance with the December 16, 2013 Opinion, Order, and Certificate (“Certificate”) issued by the Ohio Power Siting Board.

Condition 6 of the Certificate requires the Applicant, at least 30 days prior to the preconstruction conference, to submit to staff for review and acceptance, one set of detailed engineering drawings of the final project design, including the facility, temporary and permanent access roads, and any crane routes, construction staging areas, and any other associated facilities and access points.

On September 1, 2017, Applicant filed a Notification of Compliance with Condition 6 of the Certificate. This filing included 90% of the civil construction plans for wind turbine generators, access roads, drainage, and erosion control for the Project. At this time, we are updating the September 1, 2017 filing to include the 90% substation construction drawings, which are attached hereto.

We are available, at your convenience, to answer any questions you may have.

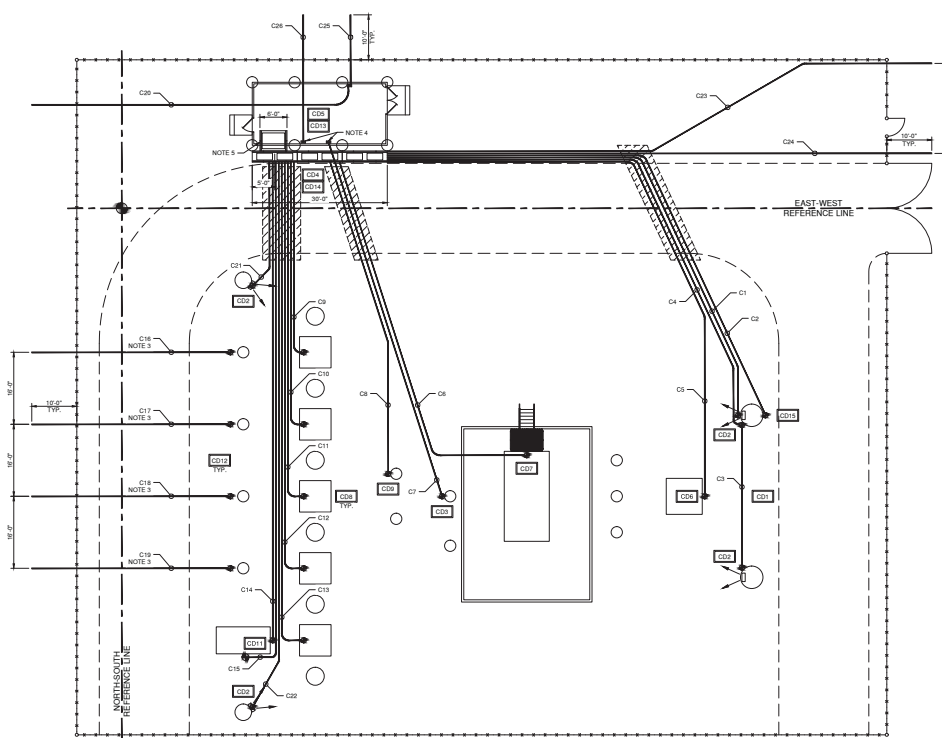
Respectfully submitted,

/s/ William V. Vorys

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Enclosure
COLUMBUS 73809-1 79831v1

Attorneys for Trishe Wind Ohio, LLC



LEGEND:			
	CDXX	- DETAIL, SEE CONDUIT DETAIL, DWG.	
	-	CONDUIT	
	- (1) 240 WATT AREA LIGHT		
	O-XXX	- CONDUIT RUN ID (SEE CONDUIT SCHEDULE)	
	- - - - -	TRENCH DRAIN TILE	
	-	CONDUIT TERMINATION	
	-	CONDUIT ENCASED IN 4" CONCRETE SLURRY	

NORTHWEST OHIO WIND PROJECT PAULDING COUNTY, OHIO

Rev.	Date	Description	By
0A	10/19/17	PRELIMINARY	UEI
0B	11/01/17	80% DESIGN PACKAGE	UEI



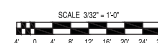
- NOTES:
1. ALL CONDUITS CARRYING FIBER CABLES ARE REQUIRED TO USE SKEEPS OR HP TRANSITIONS TO PREVENT DAMAGE TO FIBERS.
 2. FEEDER POWER CONDUITS SHALL TERMINATE 1' OUTSIDE OF THE SUBSTATION FENCE.
 3. ALL FEEDER CONDUITS SHALL BE BURIED 48" BELOW SUBGRADE.
 4. STATION SERVICE CABLES SHALL BE ROUTED DIRECTLY TO FUSED DISCONNECT SWITCH.
 5. PROVIDE A SECTION OF CABLE TRENCH BELOW ENCLOSURE WITH DIMENSIONS AS SHOWN TO ROUTE CABLES UP INTO TERMINATION CABINET.
 6. SEE CABLE MANUFACTURERS RECOMMENDATIONS FOR CABLE BENDING RADIUS WHEN SELECTING THE RADIUS FOR ANY ELBOW SKEEP ALONG A CONDUIT RUN FOR WHICH THE CABLE IS INSTALLED.
 7. SEE GRADING PLAN FOR INDICATION OF TRUE NORTH.

PRELIMINARY

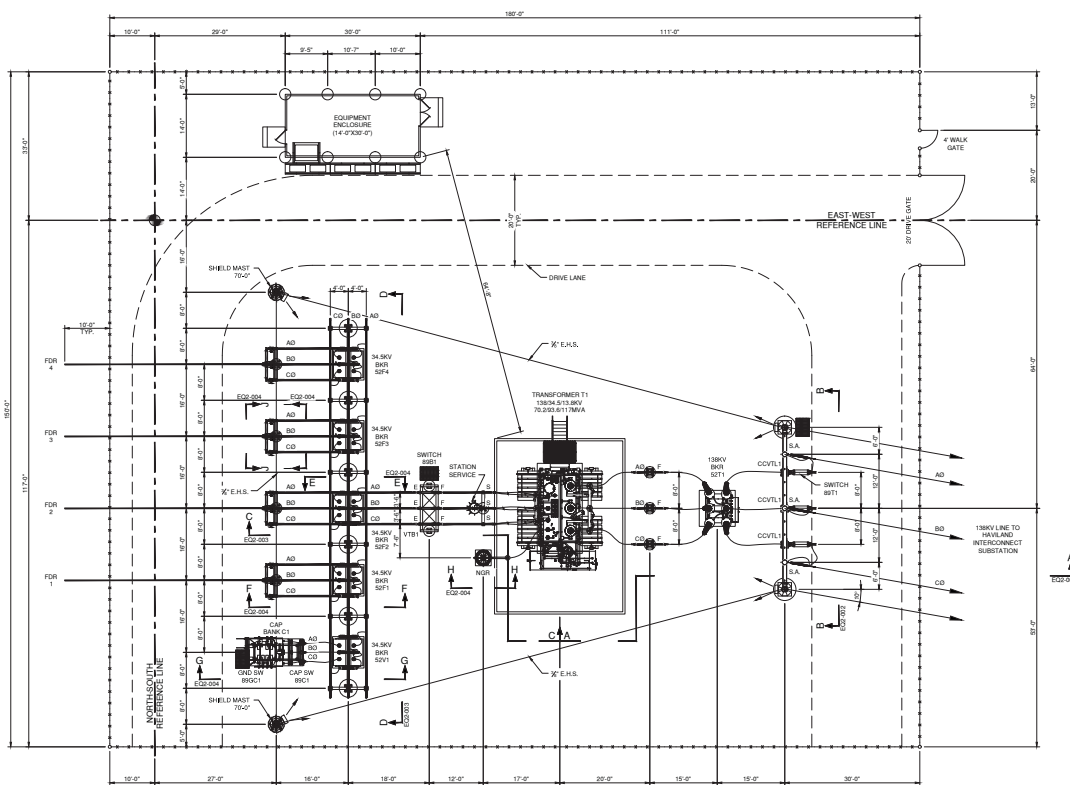
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	Design By: T. SEVERANCE
	Drawn By: P. BRACHOWSKI
	Approved By: J. CLISON Project Number: 17-01246

138/34.5KV SUBSTATION CONDUIT PLAN



DWG # NWO-CC1-001 REVISION: 0B



NORTHWEST OHIO WIND PROJECT PAULDING COUNTY, OHIO

Rev.	Date	Description	By
0A	07/20/17	PRELIMINARY	UEI
0B	09/06/17	PRELIMINARY	UEI
0C	10/19/17	PRELIMINARY	UEI
0D	11/02/17	WPL DESIGN PACKAGE	UEI



NOTES:

- SEE GRADING PLAN FOR INDICATION OF TRUE NORTH.

LEGEND:

- F FIXED FITTING
- S SLIP FITTING
- E EXPANSION FITTING
- N.S. NEAR SIDE
- F.S. FAR SIDE
- MA MAJOR MATERIAL
- MI MINOR MATERIAL
- DA DETAIL SEE DWG.
- OP OPERATOR PLATFORM
- IS INDICATED SECTION VIEW
- DR DRAWING ON WHICH SECTION APPEARS
- CT CABLE TRENCH
- AL AREA LIGHT
- BI BASE LINE INTERSECTION
- FB FENCE w/ BARBS

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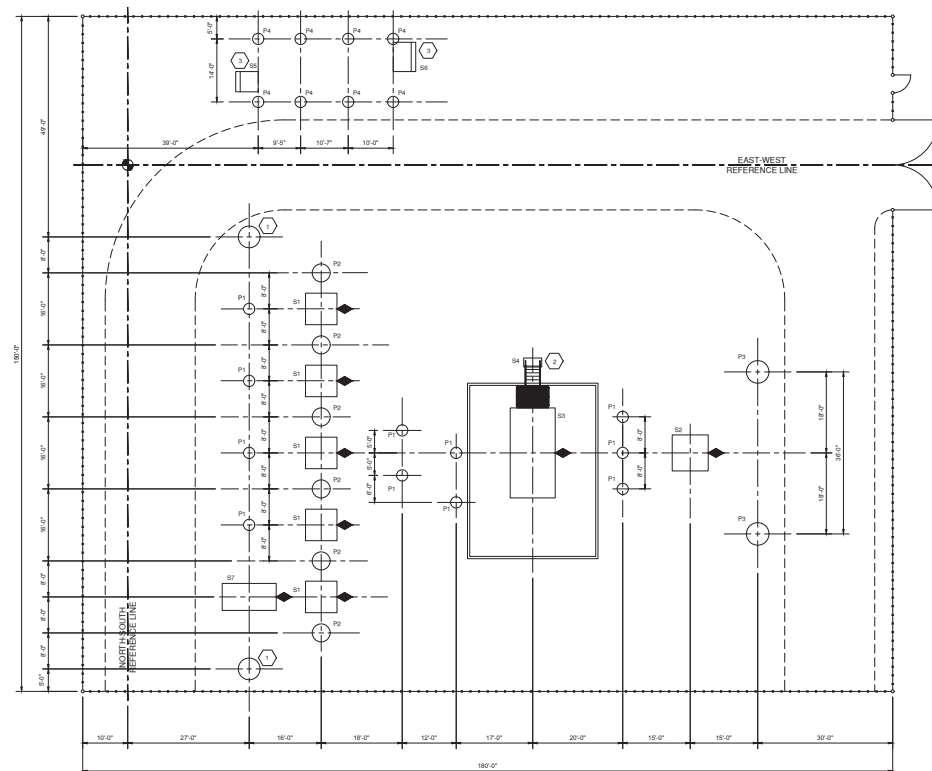
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Drawn By: P. BRUCHOWSKI
Approved By: J. OLSON
Project Number: 17-01246

SUBSTATION GENERAL ARRANGEMENT

DWG #: NWO-EQ1-001
REVISION: 0D



(NOTE 1)



FOUNDATION SCHEDULE				
ITEM	QTY	DESCRIPTION	NOTE	REV
P1	11	34 SKV SWITCH STAND 34 SKV 3A BUS STAND 34 SKV CABLE TERMINATION STRUCTURE 138KV 1B LOW BUS STAND	NWO-F2-001	TSD
P2	6	34 SKV COLLECTION STRUCTURE	NWO-F2-001	TSD
P3	2	138KV DEAD END	NWO-F2-001	TSD
P4	8	E. UPMENT ENCLOSURE	NWO-F2-002	TSD
S1	5	34 SKV FEEDER BREAKER SLAB	NWO-F2-001	TSD
S2	1	138KV BREAKER SLAB	NWO-F2-001	TSD
S3	1	OIL CONTAINMENT TRANSFORMER SLAB	NWO-F2-001	TSD
S4	1	STAIR SUPPORT SLAB	NWO-F2-001	TSD
S5	1	E. UPMENT ENCLOSURE STOOP	NWO-F2-001	SEE DETAIL
S6	1	E. UPMENT ENCLOSURE STOOP	NWO-F2-001	SEE DETAIL
S7	1	34 SKV CAP BANK SLAB	NWO-F2-001	SEE DETAIL

NORTHWEST OHIO WIND PROJECT PAULDING COUNTY, OHIO

Rev	Date	Description	By
0A	08/20/17	PRELIMINARY	UEI
0B	10/15/17	PRELIMINARY	UEI
0C	11/01/17	90% DESIGN PACKAGE	UEI



NOTES:

- SEE GRADING PLAN FOR INDICATION OF TRUE NORTH.

LEGEND:

- DIRECT DIMBED WHELD POLE, SEE S4-001
- FIELD LOCATE S4 IN COORDINATION WITH OIL CONTAINMENT STAIRS NWO-S11-001 AND STEEL PLAN NWO-S01-001
- STOOPS TO BE CENTERED ON DOORS, FORM AROUND AND PROVIDE BOND BREAK AT BUILDING PERIM.
- SUBSTATION FENCE
- ALIGNMENT MARK
- BASE LINE INTERSECTION

SCALE: 3/32" = 1'-0"

PRELIMINARY

THIS DOCUMENT IS
RELEASED FOR THE
PURPOSE OF REVIEW
UNDER THE AUTHORITY
OF (MARTIN F. PADULA),
(P.E. 50306) ON 10/15/17. IT
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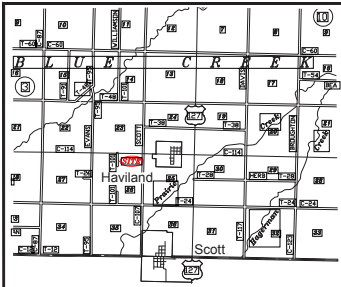
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Design By: D. WEBER
Drawn By: V. LEE
Approved By: M. PADULA
Project Number: 17-01246

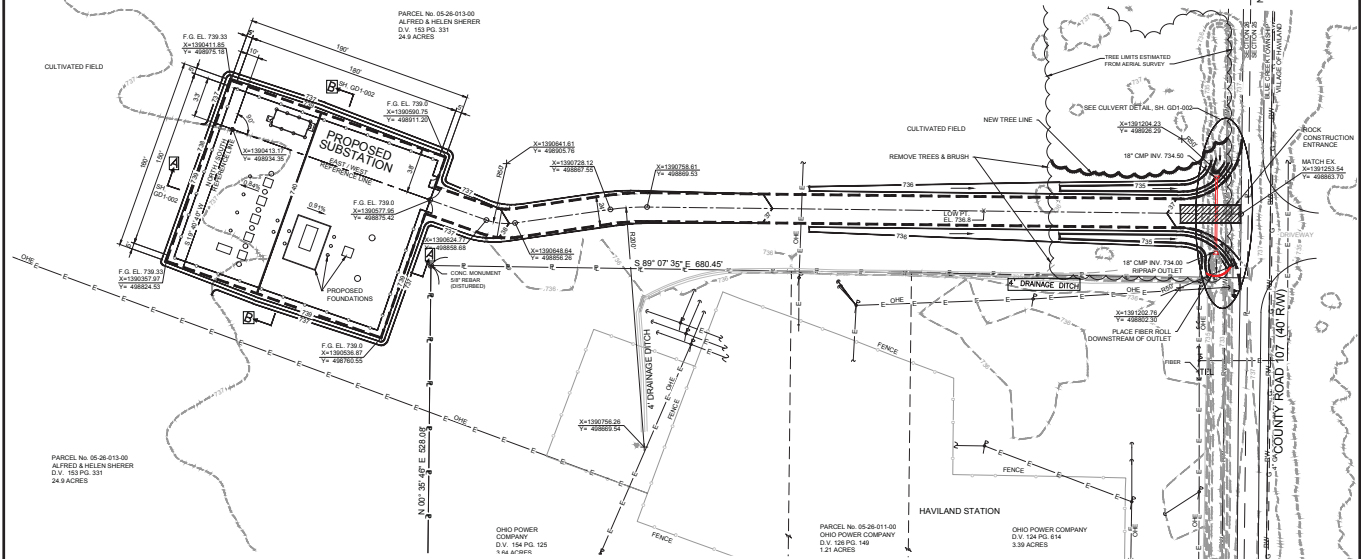
- TO BE COMPLETED:
- FOUNDATION DESIGN ON HOLD PENDING GEOTECHNICAL REPORT AND VENDOR DRAWINGS.
 - T.O.C. ELEVATIONS
 - VERIFY CONDUIT LOCATIONS FOR BREAKER SLABS WITH CONDUIT PLAN.
 - XFM/OIL CONTAINMENT SIZE AND LOCATION WHEN ACTUAL VENDOR DRAWINGS ARE AVAILABLE.

SUBSTATION FOUNDATION PLAN

DWG # NWO-F1-001 REVISION: 0C



VICINITY MAP



CONTROL DATUM

NORTH AMERICAN DATUM OF 1983 (2011)
COORDINATE SYSTEM IS OHIO STATE PLANE, NORTH ZONE

STATE OF OHIO,
COUNTY OF PAULDING,
TOWNSHIP OF BLUE CREEK,
VILLAGE OF HAVILAND

LOCATED IN NE 1/4 TR OF NE 1/4 TR, SECTION 26,
TOWNSHIP 1 NORTH, RANGE 2 EAST

ELEVATIONS ARE BASED ON NAVD 88 AS DETERMINED BY THE
NGS (NATIONAL GEODETIC SURVEY).

B.M. 1: ELEVATION = 736.13'
N=496,288.244 E=1,390,872.906
BRASS PLATE FOUND ON CONCRETE MONUMENT LOCATED ON
THE SOUTH PROPERTY LINE APPROXIMATELY 374' EAST OF
THE EDGE OF PAVEMENT OF C.R. 107.

B.M. 2: ELEVATION = 735.84'
N=495,252.785 E=1,390,573.046
S&P REBAR FOUND IN CONCRETE MONUMENT LOCATED ON
THE SOUTHWESTERLY CORNER OF THE 3.64 ACRE TRACT OF
THE OHIO POWER COMPANY AND BEING APPROXIMATELY 674'
EAST OF THE EDGE OF PAVEMENT OF C.R. 107.



SECTION 23
SECTION 26
CO. RD. 114

NORTHWEST OHIO WIND PROJECT PAULDING COUNTY, OHIO

Rev.	Date	Description	By
0A	08/30/17	PRELIMINARY	UEI
0B	09/05/17	PRELIMINARY	UEI
0C	10/19/17	PRELIMINARY	UEI
0D	11/01/17	WPL DESIGN PACKAGE	UEI



NOTE

CONTOURS ARE SHOWN IN ONE FOOT INTERVALS.

LEGEND

	POWER POLE
	TELEPHONE/POWER POLE
	BOUNDARY POLE
	TELEPHONE LINE MARKER
	CONC. MONUMENT FD.
	MAILBOX
	OVERHEAD ELECTRIC
	FINISHED GRADE
	PROPERTY LINE
	RIGHT OF WAY
	EDGE OF PAVEMENT
	ELECTRIC LINE
	GAS MAIN
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING FENCE
	PROPOSED FENCE
	PROPOSED GRAVEL
	FIBER ROLL

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Drawn By: A. GARDNER-HELM
Approved By: M. PADULA
Project Number: 17-01296



SUBSTATION GRADING PLAN

DWG #: NWO-GD1-001
REVISION: 0D

CONSTRUCTION NOTES

1. THE SITE TOPSOIL SHALL BE STRIPPED OF VEGETATION TO SUCH DEPTH AS MAY BE NECESSARY TO REMOVE ROOTS AND OTHER ORGANIC MATTER.
2. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL DEBRIS INCLUDING TREES, BRUSH, ROOTS, AND SOIL STRIPPING RESULTING FROM SITE PREPARATION OPERATIONS.
3. PRIOR TO PLACEMENT OF FILL, THE SUBGRADE SHALL BE PROOF ROLLED WITH A FULLY LOADED TANDEN-ALE DUMP TRUCK WITH A MINIMUM GROSS WEIGHT OF 25 TONS. UNSUITABLE AREAS OBSERVED SHALL BE IMPROVED BY COMPACTION OR BY REPLACEMENT WITH SUITABLE COMPACTED FILL.
4. AFTER COMPLETION OF STRIPPING, EXCAVATING, AND ALL SUBGRADE SURFACES IN THE AREA, THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE SUBGRADE BY THE OWNER. PRIOR TO FURTHER CONSTRUCTION, ANY UNKNOWN WATER CONDITIONS OR SOIL CONSIDERED TO BE WEAK AND SUBJECT TO SIGNIFICANT DISPLACEMENT UNDER NORMAL EQUIPMENT WHEEL APPLICATION SHALL REQUIRE THE OWNERS ENGINEERS TO BE CONTACTED. UPON DISCOVERY OF ANY UNKNOWN WATER CONDITIONS OR WEAK SUBGRADE MATERIALS, THE ENGINEER MAY ORDER ADDITIONAL SUBCUTS OR DESTABILIZED TREATMENT. THE CONTRACTOR SHALL PERFORM AND INSTALL THESE CHANGES AS DIRECTED BY THE OWNER. ALL OTHER DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR WITHOUT LIABILITY ON THE PART OF THE OWNER.
5. FILLS AND EMBANKMENTS SHALL BE CONSTRUCTED IN UNIFORM LIFTS OR LAYERS NOT EXCEEDING 9 INCHES OF LOOSE FILL AND ADJ. PARALLEL TO THE FINISHED SURFACE.
6. COMPACT FILL MATERIAL IN LIFTS NOT EXCEEDING 9 INCHES UNCOMPACTED THICKNESS TO 90% OF STANDARD PROCTOR DENSITY (ASTM D998). MAINTAIN MOISTURE CONTENT WITHIN PLUS OR MINUS 2% OF THE OPTIMUM DETERMINED FOR MAXIMUM DENSITY OR AS RECOMMENDED BY GEOTECHNICAL ENGINEERING REPORT. DO NOT PLACE, SPREAD, OR COMPACT FILL MATERIAL DURING WET OR UNFAVORABLE WEATHER CONDITIONS. WET GRANULAR MATERIALS THOROUGHLY DURING OR IMMEDIATELY PRIOR TO COMPACTION.
7. FINISH FILL, EXCAVATED, AND OTHER DISTURBED AREAS TO UNIFORM GRADE AND SECTION NORMALLY OBTAINABLE WITH A BLADE GRADER. FINISH GRADE TO A NEAT APPEARANCE AND PROVIDE POSITIVE DRAINAGE. ALLOWABLE TOLERANCE: ± 0.10 FT.
8. SEE SPECIFICATION FOR FULL MATERIAL DESCRIPTION.
9. SEE GEOTECHNICAL ENGINEERING REPORT STARWOOD ENERGY GROUP GLOBAL, NORTHWEST OHIO WIND PROJECT, PAULDING COUNTY, OHIO, DATED DECEMBER 2014 BY BARR ENGINEERING FOR SITE PREPARATION RECOMMENDATIONS.

GENERAL NOTES

1. STRIPPING MATERIAL TO BE USED FOR DRESSING OF SIDE SLOPES.
2. LOCATION AND STAKING OF THE SITE WITHIN THE PROPERTY LINES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL SLOPES ≥ 1 MAXIMUM UNLESS NOTED.
4. BASE ROCK AREA TO HAVE SOL STERILANT APPLIED PRIOR TO PLACEMENT OF FINISH ROCK.
5. EXCESS MATERIAL SHALL BE HAULED OFF AND DISPOSED OF OFF SITE OR SPREAD EVENLY IN AREAS AS DIRECTED BY OWNER.
6. ELEVATIONS INDICATED IN SUBSTATION GRADED AREA ARE FINISHED GRADE.
7. CONTOURING OUTSIDE OF THE SUBSTATION GRADED AREA INDICATE THE TOP OF FINISHED TOPSOIL.
8. NO EQUIPMENT WILL BE ALLOWED TO CROSS RIVERS OR STREAM BEDS.

BASE ROCK (ROUGH GRADE)

SEE ODOT SPECIFICATION 304 FOR GRADATION AND DESCRIPTION.

FINISH ROCK (FINISHED GRADE)

1. SEE ODOT SPECIFICATION 304 FOR GRADATION AND DESCRIPTION.
2. SUBSTATION FINISH ROCK SHALL BE INSTALLED BY THE SUBSTATION CONSTRUCTION CREW AFTER INSTALLATION OF FOUNDATIONS, GROUNDING, CONDUIT AND FENCE IS COMPLETE.

STONE RIPRAP (COMMON, DRY)

1. SEE ODOT, ITEM 601.04 FOR GRADATION AND DESCRIPTION.
 2. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF DEPARTMENTAL MATERIAL ODOT SPECIFICATION 712.03, TYPE A.
- ## CONSTRUCTION SEQUENCE
1. INSTALL ROCK CONSTRUCTION ENTRANCE.
 2. INSTALL SILT FENCE (AS NECESSARY).
 3. COMPLETE GRADING.
 4. APPLY SEED, MULCH AND EROSION CONTROL BLANKET.
 5. INSTALL FIBER ROLLS (AS NECESSARY).
 6. AFTER VEGETATION IS ESTABLISHED, REMOVE SILT FENCE.

DETAIL REFERENCES

REFER TO STORM WATER POLLUTION PREVENTION PLAN (SWPP) NARRATIVE FOR NORTHWEST OHIO, PREPARED BY WESTWOOD PROFESSIONAL SERVICES, DATED SEPTEMBER 8, 2017.

SEE ATTACHMENT E: SITE PLANS, EROSION AND SEDIMENT CONTROL PLANS, DETAILS FOR THESE DETAILS:

- RIP RAP OUTLETS
- ROCK CONSTRUCTION ENTRANCE
- SILT FENCE
- SURFACE ROUGHENING FOR ALL SLOPES GREATER THAN 4:1
- TYPICAL FIBER ROLLS FOR PERIMETER CONTROL OF CONSTRUCTION AREA LIMIT
- TYPICAL SLOPE STABILIZATION TEMPORARY EROSION BLANKETS, TURF REINFORCEMENT MATS FOR SLOPES

NORTHWEST OHIO WIND PROJECT PAULDING COUNTY, OHIO

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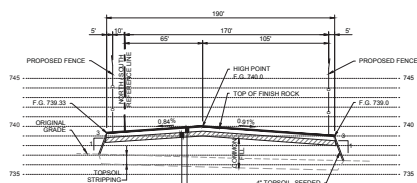
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Drawn By: A. GARDNER-VELM	
Approved By: M. PADULA	
Project Number: 17-01296	

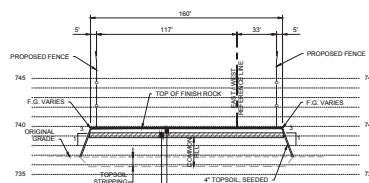
SUBSTATION GRADING DETAILS

DWG # NWO-GD1-002 REVISION: 0B



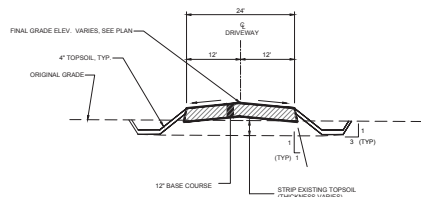
SECTION A-A

SCALE:
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 5'



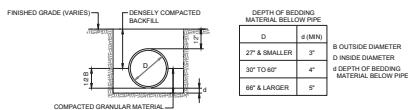
SECTION B-B

SCALE:
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 5'



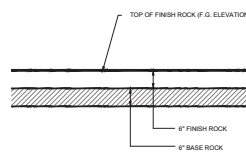
DRIVEWAY SECTION

TYPICAL THRU DRIVEWAY
SCALE: NONE



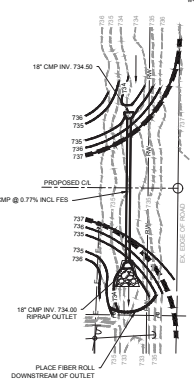
TYPICAL PIPE BEDDING SECTION

SCALE: NONE



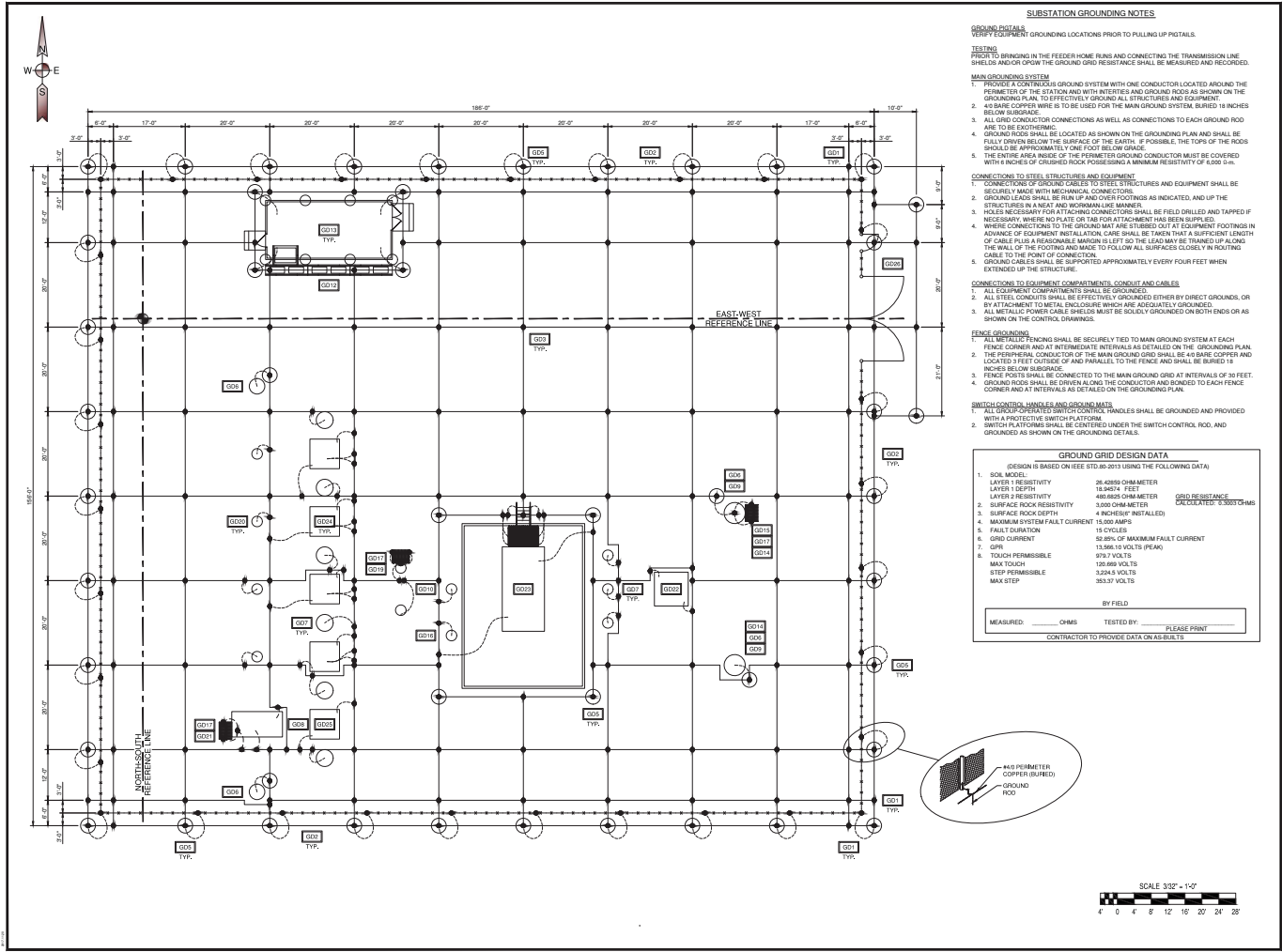
SUBSTATION SECTION

TYPICAL THRU SUBSTATION PAD
SCALE: NONE



CULVERT DETAIL PLAN

FOR FULL LEGEND, SEE SH-0001



SUBSTATION GROUNDING NOTES

GROUNDING PLAN:
VERIFY LOCATION GROUNDING LOCATIONS PRIOR TO PULLING UP PIGTAILS.

TESTING:
PRIOR TO BEGINNING THE FEEDER HOME RUNS AND CONNECTING THE TRANSMISSION LINE SHIELDS AND/OR OPEN THE GROUND GRID RESISTANCE SHALL BE MEASURED AND RECORDED.

MAIN GROUNDING SYSTEM

1. PROVIDE A CONDUCTOR GROUND SYSTEM WITH ONE CONDUCTOR LOCATED AROUND THE PERIMETER OF THE STATION AND WITH INTERTIE AND GROUND RODS AS SHOWN ON THE GROUNDING PLAN, TO EFFECTIVELY GROUND ALL STRUCTURES AND EQUIPMENT.
2. #4 BARE COPPER WIRE IS TO BE USED FOR THE MAIN GROUND SYSTEM, BURIED 18 INCHES BELOW SURFACE.
3. ALL GRID CONDUCTOR CONNECTIONS AS WELL AS CONNECTIONS TO EACH GROUND ROD ARE TO BE EXOTHERMIC.
4. GROUND RODS SHALL BE LOCATED AS SHOWN ON THE GROUNDING PLAN AND SHALL BE FULLY DRIVEN BELOW THE SURFACE OF THE EARTH. IF POSSIBLE, THE TOP OF THE RODS SHOULD BE APPROXIMATELY ONE FOOT BELOW GRADE.
5. THE ENTIRE AREA INSIDE OF THE PERIMETER GROUND CONDUCTOR MUST BE COVERED WITH 4 INCHES OF CRUSHED ROCK POSSESSING A MINIMUM RESISTIVITY OF 4,000 OHM-FT.

CONNECTIONS TO STEEL STRUCTURES AND EQUIPMENT:

1. CONNECTIONS OF GROUND CABLES TO STEEL STRUCTURES AND EQUIPMENT SHALL BE SECURELY MADE WITH MECHANICAL CONNECTIONS.
2. GROUND LEADS SHALL BE RUN UP AND OVER FOOTINGS AS INDICATED, AND UP THE STRUCTURES IN A NEAT AND WORKMANLIKE MANNER.
3. HOLES NECESSARY FOR ATTACHING CONNECTORS SHALL BE FIELD DRILLED AND TAPPED IF NECESSARY. WHERE NO PLATE OR TAP FOR ATTACHMENT HAS BEEN SUPPLIED.
4. WHERE CONNECTIONS TO THE GROUND MAT ARE STUBBED OUT AT EQUIPMENT FOOTINGS IN ADVANCE OF EQUIPMENT INSTALLATION CARE SHALL BE TAKEN THAT A SUFFICIENT LENGTH OF CABLE PLUS A REASONABLE MARGIN IS LEFT SO THE LEAD MAY BE TRAINED UP ALONG THE WALL OF THE FOOTING AND MADE TO FOLLOW ALL SURFACES CLOSELY IN ROUTING CABLE TO THE POINT OF CONNECTION.
5. GROUND CABLES SHALL BE SUPPORTED APPROXIMATELY EVERY FOUR FEET WHEN EXTENDED UP THE STRUCTURE.

CONNECTIONS TO EQUIPMENT COMPARTMENTS, CONDUIT AND CABLES

1. ALL EQUIPMENT COMPARTMENTS SHALL BE GROUNDING.
2. ALL STEEL CONDUITS SHALL BE EFFECTIVELY GROUNDING EITHER BY DIRECT GROUNDING, OR BY ATTACHMENT TO METAL ENCLOSURE WHICH ARE ADEQUATELY GROUNDING.
3. ALL METALLIC POWER CABLE SHIELDS MUST BE SOLIDLY GROUNDING ON BOTH ENDS OR AS SHOWN ON THE CONTROL DRAWINGS.

FENCE GROUNDING

1. ALL FENCE FINISHING SHALL BE SECURELY TIED TO MAIN GROUND SYSTEM AT EACH FENCE CORNER AND AT INTERMEDIATE INTERVALS AS DETAILED ON THE GROUNDING PLAN.
2. THE PERIPHERAL CONDUCTOR OF THE MAIN GROUND GRID SHALL BE #4 BARE COPPER AND LOCATED 3 FEET OUTSIDE OF AND PARALLEL TO THE FENCE AND SHALL BE BURIED 18 INCHES BELOW SURFACE.
3. FENCE POSTS SHALL BE CONNECTED TO THE MAIN GROUND GRID AT INTERVALS OF 30 FEET.
4. GROUND RODS SHALL BE DRIVEN ALONG THE CONDUCTOR AND BONDED TO EACH FENCE CORNER AND AT INTERVALS AS DETAILED ON THE GROUNDING PLAN.

SWITCH CONTROL, MANVALS AND GROUNDING MATS

1. ALL GROUND OPERATED SWITCH CONTROL MANVALS SHALL BE GROUNDING AND PROVIDED WITH A PROTECTIVE SWITCH PLATFORM.
2. SWITCH PLATFORMS SHALL BE CENTERED UNDER THE SWITCH CONTROL ROD, AND GROUNDING AS SHOWN ON THE GROUNDING DETAILS.

GROUND GRID DESIGN DATA
(DESIGN IS BASED ON IEEE STD 80-2013 USING THE FOLLOWING DATA)

1. SOIL MODEL	26,400 OHM-METER	GRID RESISTANCE CALCULATED: 3.00 OHMS
LAYER 1 DEPTH	18 INCHES	
LAYER 2 RESISTIVITY	400,000 OHM-METER	
2. SURFACE ROCK RESISTIVITY	3,000 OHM-METER	
3. SURFACE ROCK DEPTH	4 INCHES (IF INSTALLED)	
4. MINIMUM SYSTEM FAULT CURRENT	15,000 AMPS	
5. FAULT DURATION	15 CYCLES	
6. GRID CURRENT	32.8% OF MAXIMUM FAULT CURRENT	
7. GPR	13,500 IN VOLTS (P/40)	
8. TOUCH PERMISSIBLE	675 V VOLTS	
MAX TOUCH	10,000 VOLTS	
STEP PERMISSIBLE	3,200 V VOLTS	
MAX STEP	35,337 VOLTS	

BY FIELD
MEASURED: _____ OHMS TESTED BY: _____
CONTRACTOR TO PROVIDE DATA ON AS-BUILT

NORTHWEST OHIO WIND PROJECT
PAULING COUNTY, OHIO

Rev.	Date	Description	By
0A	10/19/17	PRELIMINARY	UE
0B	11/01/17	80% DESIGN PACKAGE	UE

WHITE
an IREA company

NOTES:

1. FINISH GRAVEL TO EXTEND 5' PAST EDGE OF FENCE.

LEGEND:

- CONDUCTOR DETAIL - SEE GROUNDING DETAIL DWG.
- SUBSTATION FENCE w/ BARBS
- GROUND ROD (5/8" X 36")
- 4/0 BARE COPPER (SOFT DRAWING) 1/2" BELOW GRADE
- EXOTHERMIC TYPE CONNECTION
- PIGTAIL TO EQUIPMENT/STRUCTURE
- SWITCH OPERATOR PLATFORM

PRELIMINARY

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138/34.5KV SUBSTATION GROUNDING PLAN

DWG # NWO-GR1-001 REVISION: 0B

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Summary: Notice of Update to September 1, 2017 Filing Regarding Compliance with Condition 6 – Drawings for Final Design Plan electronically filed by Mr. William V Vorys on behalf of Trishe Wind Ohio, LLC