



North Dakota Department of Transportation

Francis G. Ziegler, P.E.
Director

John Hoeven
Governor

August 16, 2010

NextEra Energy Resources, LLC
Baldwin Wind, LLC
5117 279th Avenue NE
Wilton, ND 58579

UTILITY PERMIT #12279, HIGHWAY 36

One copy of your requested utility permit is enclosed.

Installation and maintenance provisions have been included with the permit and must be adhered to. A copy of the permit is required at the work site for reference by the work crew or contractor.

The bore pits and equipment used for the buried crossing must be outside the clear zone which is a minimum of 38 feet from the centerline.

If you have any questions please call. Thanks!

A handwritten signature in cursive script that reads "Renee Seibel".

RENEE SEIBEL - ADMINISTRATIVE ASSISTANT III

rs
enclosure

UTILITY OCCUPANCY APPLICATION AND PERMIT

North Dakota Department of Transportation, Design Division
SFN 7995 (Rev. 11-2008)

Document Number 12279	(FOR STATE USE ONLY)	Permit Number 1-36-4.8000
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APPLICANT INFORMATION

Owner of Facility Baldwin Wind, LLC Nextera Energy Resources, Inc.	City Wilton	State ND	Zip Code 58579
Mailing Address 5117 279th Ave NE	Telephone Number 701-734-6801		
Owner's Agent Dick Rausch	City Wilton	State ND	Zip Code 58579
Owner's Contractor Blattner Energy	City Wilton	State ND	Zip Code 58579
			Telephone Number 512-920-6254
			Telephone Number 320-761-0357

LOCATION NO. 1 (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. 36	<input type="checkbox"/> Along or <input checked="" type="checkbox"/> Across	Lanes of traffic <input type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input checked="" type="checkbox"/> W	Begin 0.2 ^{miles} feet from reference marker 5	
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End _____ feet from reference marker _____	
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____	or _____ miles from junction highway _____	

TYPE OF FACILITY (Complete appropriate spaces only.)

Description of Proposed Facility Underground power lines		
Size of Facility	Number of Cables 9	Length of Down Guys
Pipeline Pressure	Size of Casing 8" PVC	Length of Casing
Location of Pole(s)	Location of Appurtenances	Location - Others

TERMS AND CONDITIONS: Installation and maintenance of said facilities on highway right of way shall be subject to the North Dakota Department of Transportation's (NDDOT's) "A Policy for Accommodation of Utilities on State Highway Right of Way", current edition, and the following terms and conditions, attached hereto and made a part hereof.

- (A) Installation/maintenance of said facilities shall be done in a manner satisfactory to the NDDOT district engineer.
- (B) Owner shall notify the NDDOT district engineer forty-eight (48) hours prior to installing, maintaining, relocating, or removing said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the NDDOT district engineer.
- (C) The owner shall be required to wear an ANSI/ISEA 107-2004 Class II height visibility garment while within the highway right-of-way as per the requirements of 23 CFR 634.
- (D) The Risk Management Appendix, attached, is hereby incorporated and made a part of this agreement.
- (E) Owner shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way, which may be damaged as a result of the installation and maintenance of said facilities on highway right of way.
- (F) Owner shall promptly remove said facilities from highway right of way, or shall relocate or adjust said facilities, at its sole cost and expense when requested to do so by NDDOT.
- (G) NDDOT specifically reserves the right to revoke, or change the terms and conditions of, this Permit with or without cause and upon notice to the Owner.
- (H) The installation shall be completed on or before October 15, 20 10

8/4/10 DATE Dick Rausch OWNER'S SIGNATURE

The Owner is hereby granted permission to install and maintain the facilities applied for, as shown on the plans attached hereto and made a part hereof. Approved by NDDOT this 17 day of August, 20 10.

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

Kevin J. Leo
DISTRICT ENGINEER (TYPE OR PRINT)
K. J. Leo
SIGNATURE

04

Risk Management Appendix

Permits and Licenses with Private Individuals, Companies, Corporations, Etc. (referred to as Recipient):

Recipient agrees to defend, indemnify, and hold harmless the state of North Dakota, its agencies, officers and employees (State), from and against claims based on the vicarious liability of the State or its agents, but not against claims based on the State's contributory negligence, comparative and/or contributory negligence or fault, sole negligence, or intentional misconduct. The legal defense provided by the Recipient to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Recipient also agrees to defend, indemnify, and hold the State harmless for all costs, expenses and attorneys' fees incurred if the State prevails in an action against the Recipient in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

Recipient shall secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools or government self-retention funds authorized to do business in North Dakota, the following insurance coverages:

- 1) **Commercial general liability and automobile liability** insurance – minimum limits of liability required are **\$250,000 per person** and **\$1,000,000 per occurrence**.
- 2) **Workers compensation** insurance meeting all statutory limits.
- 3) The State of North Dakota and its agencies, officers, and employees (State) shall be endorsed as an **additional** insured on the commercial general liability and automobile liability policies.
- 4) Said endorsements shall contain a **"Waiver of Subrogation"** in favor of the state of North Dakota.
- 5) The policies and endorsements may not be canceled or modified without **thirty (30) days prior written notice** to the undersigned State representative.

Recipient shall furnish a certificate of insurance evidencing the requirements in 1, 3, and 4 above to the undersigned State representative prior to commencement of this agreement.

The State reserves the right to obtain complete, certified copies of all required insurance documents, policies, or endorsements at any time. If Recipient's insurance will expire prior to the term of this agreement, Recipient shall renew the above requirements and furnish a certificate of insurance evidencing the renewal to the undersigned State representative prior to the expiration of the insurance. Any attorney who represents the State under this policy must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08.

When a portion of a Contract is sublet, the Recipient shall obtain insurance protection (as outlined above) to provide liability coverage to protect the Recipient and the State as a result of work undertaken by the Subcontractor. In addition, the Recipient shall ensure that any and all parties performing work under the Contract are covered by public liability insurance as outlined above. All Subcontractors performing work under the Contract are required to maintain the same scope of insurance required of the Recipient. The Recipient shall be held responsible for ensuring compliance with those requirements by all Subcontractors.

Recipient's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention maintained by the State. Any insurance, self-insurance or self-retention maintained by the State shall be excess of the Recipient's insurance and shall not contribute with it. The insolvency or bankruptcy of the insured Recipient shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Recipient from meeting the retention limit under the policy. Any deductible amount or other obligations under the policy(ies) shall be the sole responsibility of the Recipient. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and be placed with insurers rated "A-" or better by A.M. Best Company, Inc. The State will be indemnified, saved, and held harmless to the full extent of any coverage actually secured by the Recipient in excess of the minimum requirements set forth above.

NOTICE: The Recipient must comply with ALL applicable Federal, State and local laws, rules, regulations, codes, ordinances, etc., including, but not limited to North Dakota Century Code, Chapter 49-23. (ONE-CALL EXCAVATION NOTICE SYSTEM)

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right of way shall conform to the following provisions:

Within thirty (30) days after construction, maintenance, relocation, or removal of said facilities, any right of way scars shall be removed and disturbed areas restored to original condition. Existing topsoil shall be removed prior to excavation and stockpiled until all disturbed areas are restored to original grade. The stockpiled topsoil shall be evenly and smoothly replaced over the areas disturbed by the trenches or pits.

Vehicles and other work equipment used to install or maintain said facilities within highway right of way shall, where possible, use established access points, service roads, driveways and approaches to enter or leave the outer portion of the right of way for the performance of necessary work operations. Such vehicles and work equipment shall not be parked on the through-traffic lanes or shoulders of the highway during installation or maintenance of said facilities.

Protection to the free and safe flow of the highway traffic shall be as required in accordance with the "Manual on Uniform Traffic Control Devices", current edition.

The Recipient will notify the District Engineer of the Department of Transportation forty-eight (48) hours prior to beginning this installation. Immediately following the final clean up of the area, the Recipient shall again notify the District Engineer of the Department of Transportation.

The Department of Transportation may not be the total fee owner and does not warrant the title to the highway right of way covered by the terms of this permit. The Recipient shall be responsible for reviewing the public records to determine ownerships and any encumbrances to the title of the properties covered by the terms of this permit.

Trenches and pits opened within the right of way shall be cut to O.S.H.A. Standards and shall be of minimum width necessary to accommodate installation of said facilities. Open trenches and pits shall be barricaded if left unattended.

Trenches and pits opened within the right of way shall be backfilled with the same material originally in place, compacted to a density equal to that of the adjacent undisturbed soil and restored to the original grade. The backfill shall be tamped in layers not exceeding six (6) inches in compacted thickness. Consolidation of the backfill by saturation or ponding is not permissible.

The buried electrical cable shall have a minimum of thirty-six (36) inches of cover within highway right of way.

The buried electrical cable shall be installed under surfaced section of the highway by boring or

jacking pipe through the roadbed between the clear zone limits. Wet boring or jetting of the pipe under the roadway is not permissible.

Casing pipe, where installed, shall extend a minimum of two (2) feet beyond the toe of the highway inslopes. The casing pipe shall be sealed at both ends to prevent formation of a waterway through the casing.

For highway crossings, marker posts with warning signs, including the words, "WARNING - BURIED ELECTRICAL CABLE," shall be placed over the cable at the right of way line on each side of the highway at the cable crossing. An identification sign shall be placed on one of the marker posts and shall show the name, address, and telephone number of the Recipient. Buried cable installed along the highway shall be identified by marker posts with warning signs placed at the right of way line at least every 1,000 feet along the length of the installation.



North Dakota Department of Transportation

Francis G. Ziegler, P.E.
Director

John Hoeven
Governor

August 16, 2010

NextEra Energy Resources, LLC
Baldwin Wind, LLC
700 Universe Boulevard
Juno Beach, FL 33408

INSURANCE CERTIFICATE – UTILITY PERMIT FOR HIGHWAY 36

You have submitted to the North Dakota Department of Transportation (NDDOT), along with your certificate of insurance, additional pages which either purport to limit or qualify the information reflected on the certificate of insurance or which purport to change, modify or amend your company's insurance policies. NDDOT policy is to not solicit, review or approve contractors' insurance policies, endorsements or amendments to insurance policies, or insurance documents other than properly completed certificates of insurance. NDDOT contracts specify that contractors are responsible for acquiring and maintaining specified coverages and proof of insurance.

Please have a company executive authorized to execute contract documents sign and date the statement below attesting that your company has insurance coverage consistent with the contract provisions and immediately mail or fax it back to us.

Be advised that execution of this contract will be delayed until these issues have been resolved.

KEVIN J. LEVI – BISMARCK DISTRICT ENGINEER

NextEra Energy Resources, LLC/Baldwin Wind LLC hereby states that the company has, and will maintain in force, insurance coverages (including proof of coverages) consistent with the contract specifications.

Date 8-16-10

Erica McNabb, Director Risk Mgmt
Type or Print Name & Title

Erica McNabb
Signature



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
08/04/2010

PRODUCER
 MARSH USA, INC.
 TWO ALLIANCE CENTER
 3560 LENOX ROAD, SUITE 2400
 ATLANTA, GA 30326
 Attn: Atlanta.certrequest@marsh.com Fax: 212-948-4321
 500469-Energ-GAWU-09-10

THIS CERTIFICATION IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: Federal Insurance Company	20281
INSURER B: New Hampshire Insurance Company	23841
INSURER C: National Union Fire Ins Co Pittsburgh PA	19445
INSURER D:	
INSURER E:	

INSURED
 NextEra Energy Resources, LLC
 Baldwin Wind, LLC
 700 Universe Boulevard
 Juno Beach, FL 33408

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR GENERAL AGGREGATE LIMIT APPLIES PER <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC	37110930	09/15/2009	09/15/2010	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMPIOP AGG \$ 1,000,000
A A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	73523731 (AOS) 73523733 (VA)	09/15/2009 09/15/2009	09/15/2010 09/15/2010	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ GARAGE LIABILITY <input type="checkbox"/> ANY AUTO AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC AGG \$ EXCESS / UMBRELLA LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE \$ RETENTION \$
B B C B B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe under SPECIAL PROVISIONS below	WC 7207708 (AOS) WC 7207709 (CA) WC 7209331 (FL, OR) WC 7209332 (TX)	09/15/2009 09/15/2009 09/15/2009 09/15/2009	09/15/2010 09/15/2010 09/15/2010 09/15/2010	<input checked="" type="checkbox"/> WC STATUTORY LIMITS OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	OTHER	WC 1591038 (WI)	09/15/2009	09/15/2010	

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS

The State of North Dakota and its agencies, officers and employees (state) are included as Additional Insured if required by written contract on the above General and Automobile Liability policies. Waiver of subrogation is applicable where required by written contract.

CERTIFICATE HOLDER ATL-002151684-01

North Dakota Department of Transportation
 Design Division
 218 Airport Road
 Bismarck, ND 58505-0700

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE
 of Marsh USA Inc.
 Ted L. Young

Ted L. Young

IMPORTANT

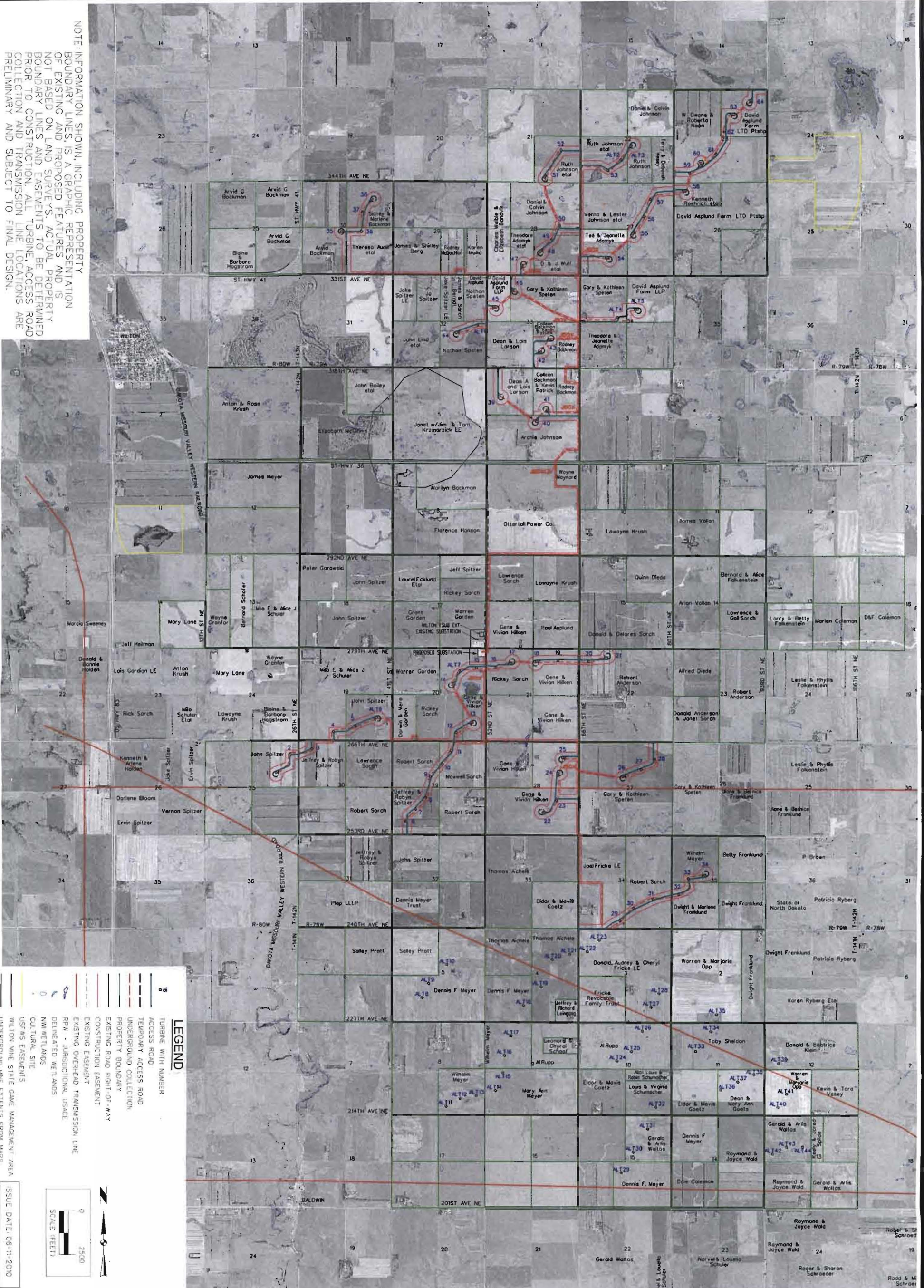
If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

This Certificate of Insurance does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

NOTE: INFORMATION SHOWN, INCLUDING PROPERTY BOUNDARY LINES, IS A GRAPHIC REPRESENTATION OF EXISTING AND PROPOSED FEATURES AND IS NOT BASED ON LAND SURVEYS. ACTUAL PROPERTY BOUNDARY LINES AND EASEMENTS TO BE DETERMINED PRIOR TO CONSTRUCTION. ALL TURBINE, ACCESS ROAD COLLECTION AND TRANSMISSION LINE LOCATIONS ARE PRELIMINARY AND SUBJECT TO FINAL DESIGN.



LEGEND

- TURBINE WITH NUMBER
- ACCESS ROAD
- TEMPORARY ACCESS ROAD
- UNDERGROUND COLLECTION
- PROPERTY BOUNDARY
- EXISTING ROAD RIGHT-OF-WAY
- CONSTRUCTION EASEMENT
- EXISTING OVERHEAD TRANSMISSION LINE
- RPM - JURISDICTIONAL USAGE
- DELIMITED WETLANDS
- NWI WETLANDS
- CULTURAL SITE
- USFWS EASEMENTS
- WILSON WINE STATE GAME MANAGEMENT AREA
- UNDERGROUND WINE EXTENTS FROM WAGS

ISSUE DATE: 06-11-2010

SCALE (FEET)

0 2500

NEXTERA ENERGY - BALDWIN WIND

OVERALL PRELIMINARY SITE PLAN

BURLEIGH COUNTY, NORTH DAKOTA

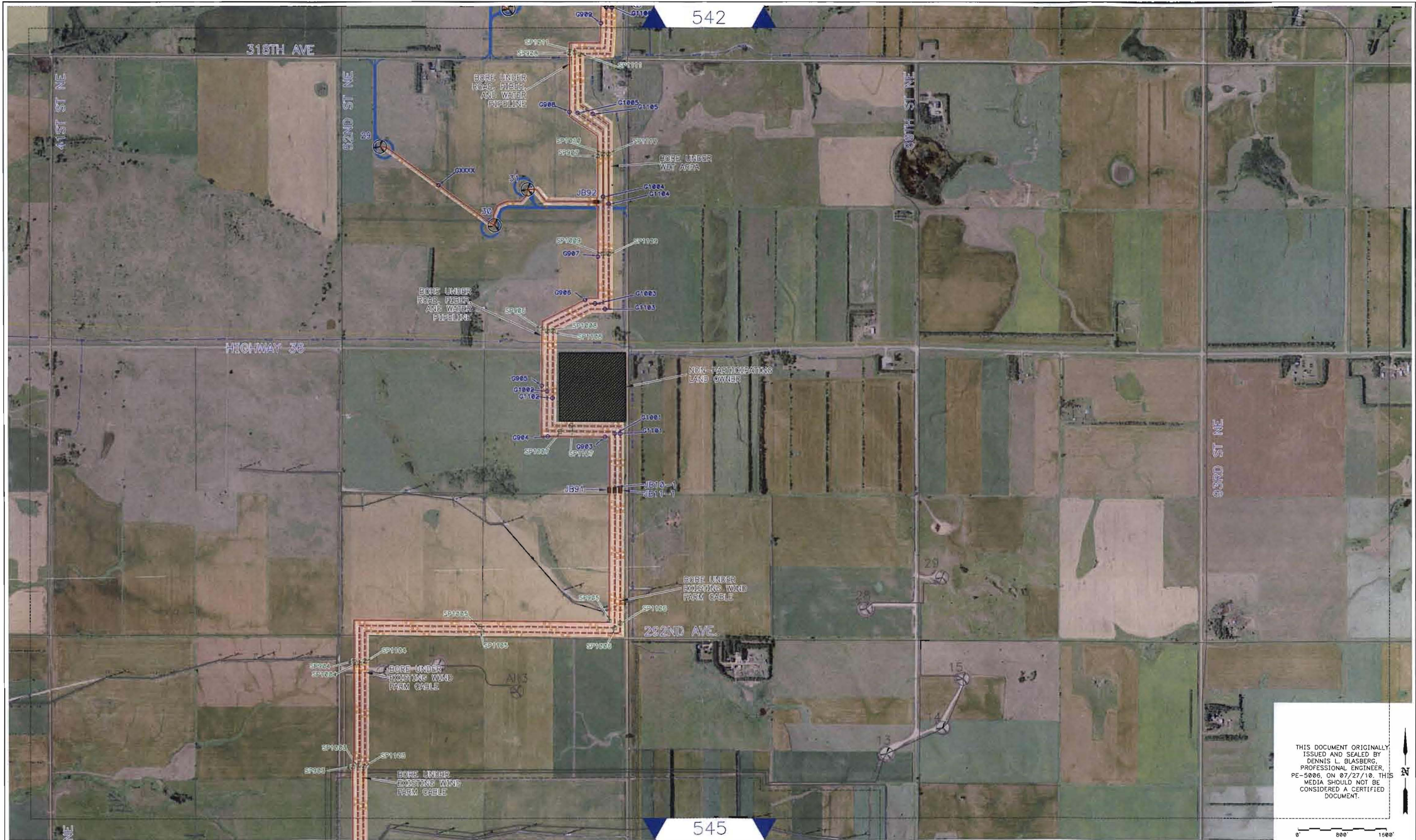
SNYDER & ASSOCIATES

1751 MADISON AVENUE
COUNCIL BLUFFS, IOWA 51503 | 712-322-3202

ATLANTIC, IA 712-243-6505
ANKENY, IA 515-964-2020
CEDAR RAPIDS, IA 319-362-8394

MARYVILLE, MO 660-582-8868
ST. JOSEPH, MO 816-384-5222

19	NEED CULTURAL SHROCK CIRCLE 13251 NW OF 56	6/11/10	DW
18	ADDED JUNCTION BOXES IN NE SEC 9-142-79	5/24/10	DW
17	UPDATED WITH ARRAY DATED 05-05-10	5/10/10	DW
16	CHANGED ROAD FOR 13-14 & 15 TO AL10 IN SEC 26 & 27-142-78	5/4/10	DW
MARK	REVISION	DATE	BY
Engineer:	JWK	Checked By:	MGC
Technician:	DW	Date:	
Project No:	1091075	Scale:	1"= 2500'
File No:		Field Bk:	Pg:
			Sheet 1 of 1



THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY DENNIS L. BLASBERG, PROFESSIONAL ENGINEER, PE-5006, ON 07/27/10. THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

LEGEND

	UNDERGROUND 1000 KCMIL CABLES		GROUND BONDING SPLICE
	UNDERGROUND 500 KCMIL CABLES		CULTURAL AVOIDANCE
	UNDERGROUND 4/0 AWG CABLES		WATERWAY
	12F SM FIBER OPTIC CABLE		JURISDICTIONAL WETLAND
	EXISTING WIND FARM CABLES		NON-JURISDICTIONAL WETLAND
	ACCESS ROADS		
	UNDERGROUND 8-JWC CABLES		
	WATER ROUTES		
	EXISTING FIBER		

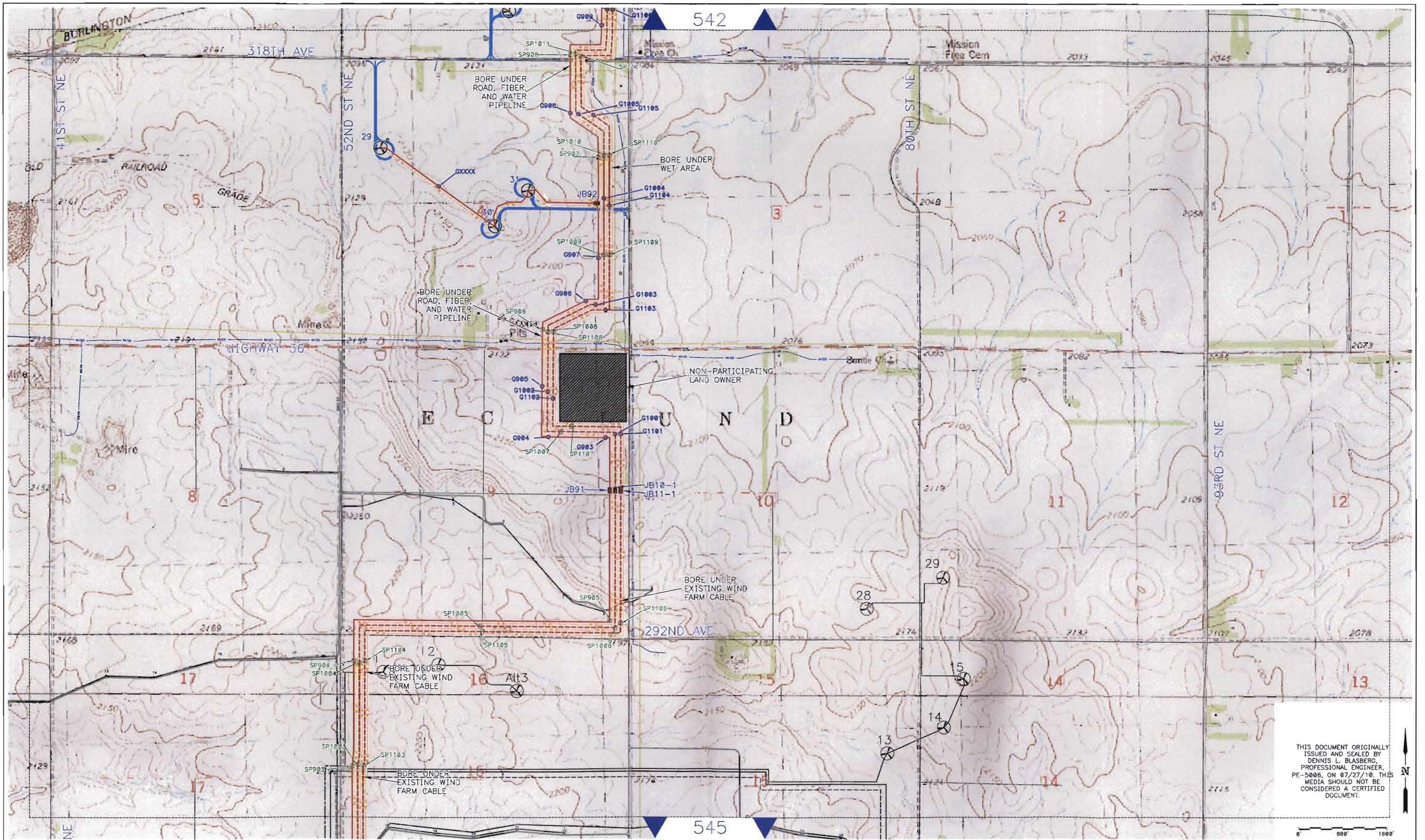
**ISSUED
FOR CONSTRUCTION**

P & E ENGINEERING CO.
POWER SYSTEM ANALYSIS AND DESIGN
245 S. 5th
P.O. Box 820
Carlisle, IA 50047
Office: 616-989-3083
Fax: 616-989-3138
pe@pandesign.com



REV NO.	DESCRIPTION	ENG	DWN	CHKD	DATE	ENG: P&E
0	ISSUED FOR CONSTRUCTION	P&E	NJS	MCR	07/27/10	DRAWN: DTD
B	REVISED CABLE ROUTES	P&E	DAW	MCR	03/23/10	CHKD: MCR
C	REVISED TURBINE ARRAY	P&E	NJS	MCR	04/26/10	APPR: DLB
D	REVISED TURBINE ARRAY	P&E	NJS	MCR	05/11/10	
E	ADDED SPLICES AND GROUNDS, RENUMBERED FEEDERS, ADDED MET TOWERS.	P&E	NJS	MCR	06/08/10	DATE: 03/09/10
F	UPDATED COLLECTOR SYSTEM	P&E	NJS	MCR	07/13/10	

CIENT/PROJECT:	NEXTERA ENERGY RESOURCES BALDWIN WIND ENERGY CENTER		
TITLE:	COLLECTOR SYSTEM LAYOUT		
SCALE:	AS SHOWN	DRAWING NUMBER:	E8731-543R
REVISION NUMBER:	0		



THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY DENNIS L. BLASBERG, PROFESSIONAL ENGINEER, PE-5006, ON 07/27/10. THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

LEGEND

	UNDERGROUND 1000 KCMIL CABLES		GROUND
	UNDERGROUND 500 KCMIL CABLES		SPRINGS
	UNDERGROUND 4/0 AWG CABLES		SPRINGS
	12" SM FIBER OPTIC CABLE		SPRINGS
	EXISTING WIND FARM CABLES		SPRINGS
	ACCESS ROADS		SPRINGS
	UNDERGROUND 8-3MC CABLES		SPRINGS
	WATER ROUTES		SPRINGS
	EXISTING FIBER		SPRINGS

ISSUED FOR CONSTRUCTION

P & E ENGINEERING CO.
POWER SYSTEM ANALYSIS AND DESIGN

245 S. 5th
P.O. Box 820
Carlisle, IA 50047

Office: 515-609-3083
FAX: 515-609-3138
nextera@pe-engineer.com

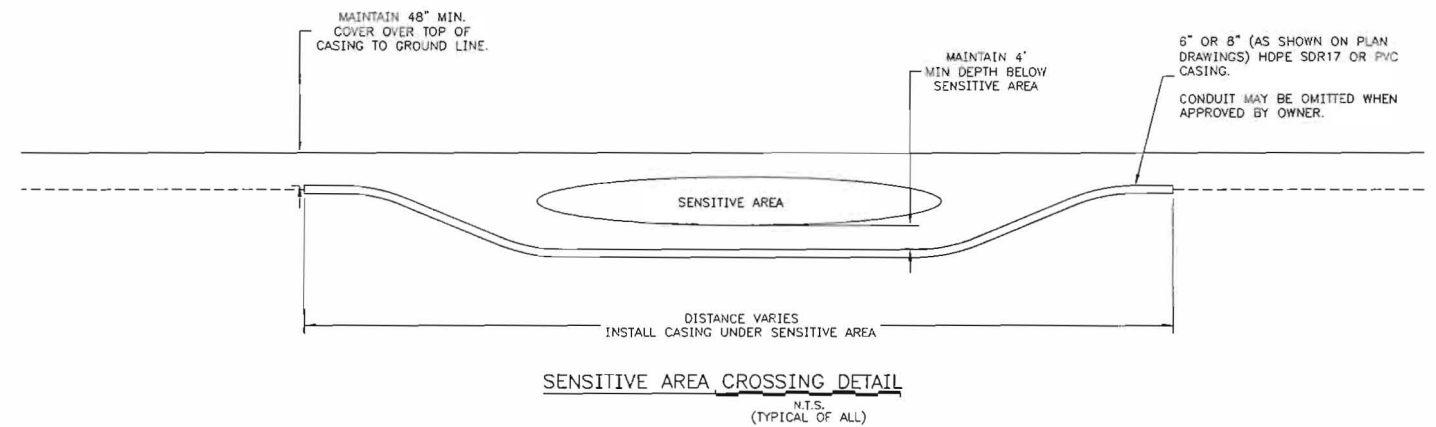
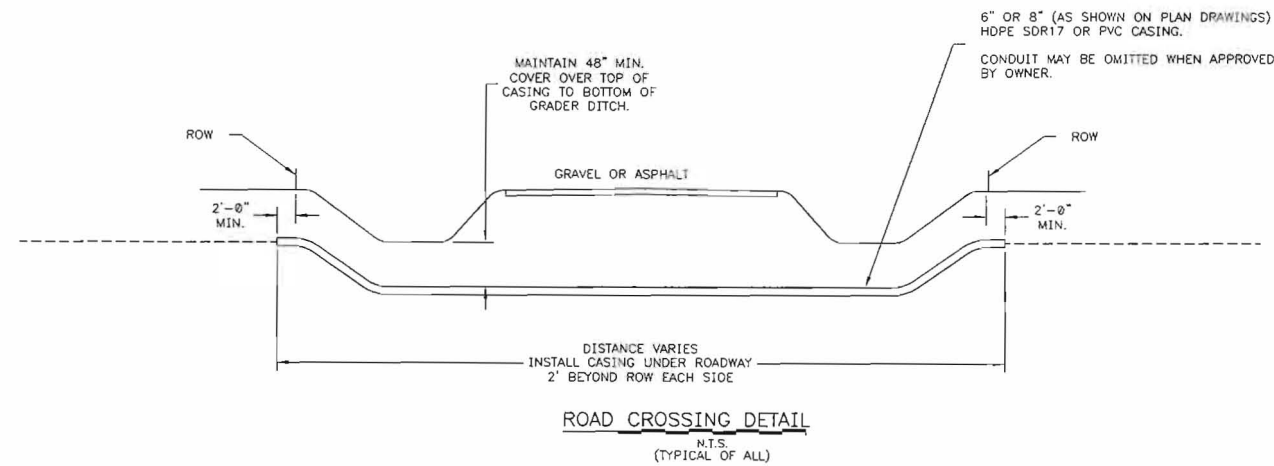
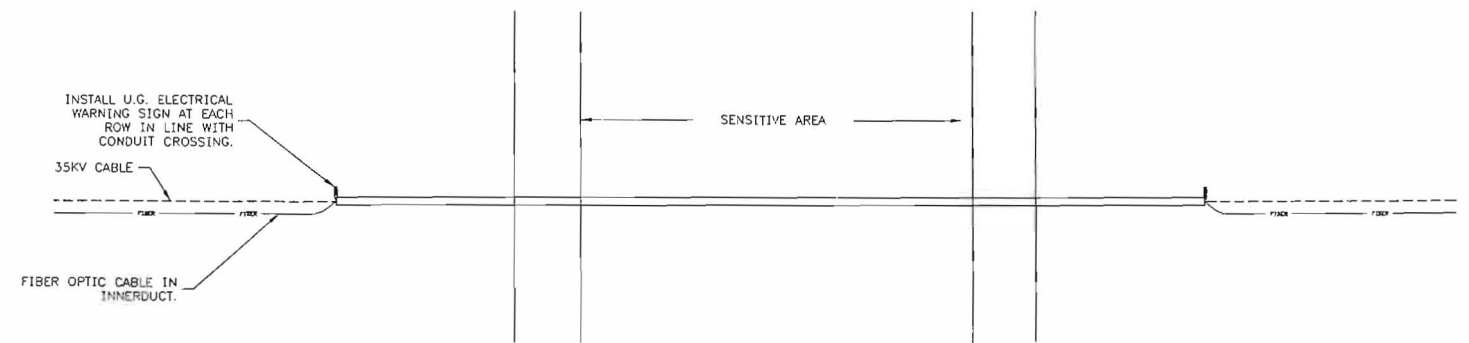
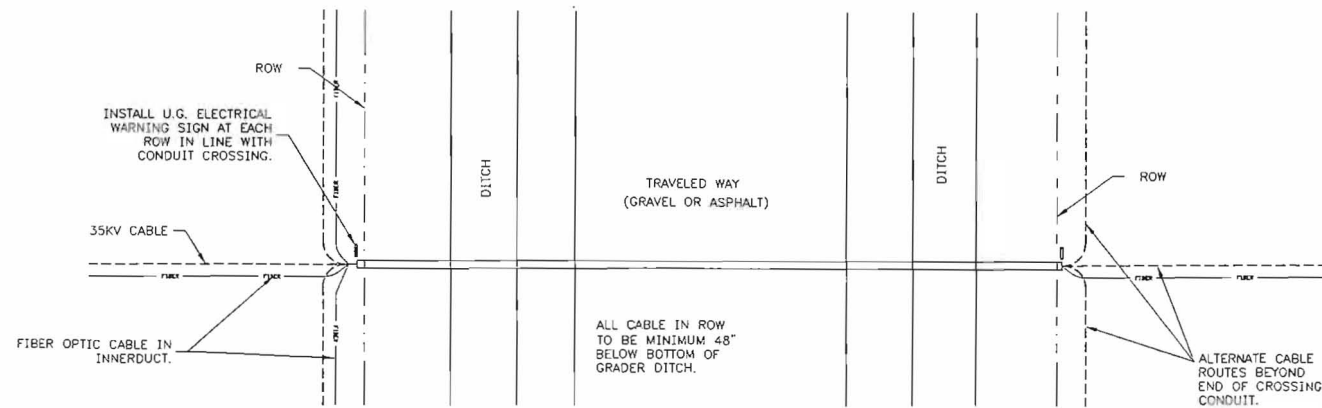


REV. NO.	DESCRIPTION	ENG	DWN	CHKD	DATE	ENG: P&E
0	ISSUED FOR CONSTRUCTION	P&E	NJS	MCR	07/27/10	DRAWN: DTD
B	REVISED CABLE ROUTES	P&E	DAW	MCR	03/23/10	CHKD: MCR
C	REVISED TURBINE ARRAY	P&E	NJS	MCR	04/26/10	APPR: DLB
D	REVISED TURBINE ARRAY	P&E	NJS	MCR	05/11/10	DATE: 03/09/10
E	ADDED SPLICES AND GROUNDS, RENUMBERED FEEDERS, ADDED MET TOWERS.	P&E	NJS	MCR	06/08/10	
F	UPDATED COLLECTOR SYSTEM	P&E	NJS	MCR	07/13/10	

CLIENT/PROJECT:	NEXTERA ENERGY RESOURCES BALDWIN WIND ENERGY CENTER
TITLE:	COLLECTOR SYSTEM LAYOUT
SCALE:	AS SHOWN
DRAWING NUMBER:	E8731-543X
REVISION NUMBER:	0

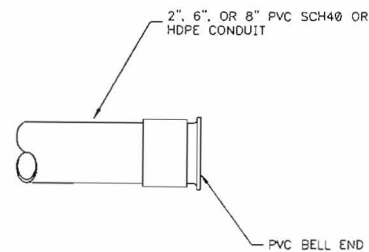
WF641-1				DESCRIPTION
ITEM	QTY	MATID	UNIT	
1	160	35979	FT	CONDUIT, POLYETHYLENE, SDR17, 6"

WF642-1				DESCRIPTION
ITEM	QTY	MATID	UNIT	
1	160	35980	FT	CONDUIT, POLYETHYLENE, SDR17, 8"

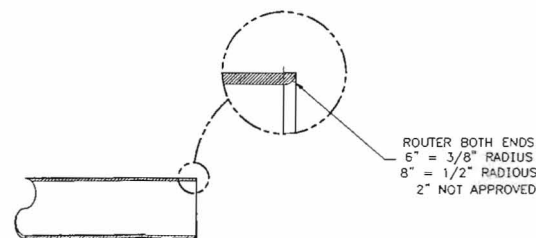


LEGEND

— FIBER	— FIBER	FIBER DUCT
- - - - -	- - - - -	SECTION LINE
—	—	ROAD EDGE
- - - - -	- - - - -	UNDERGROUND CABLE
- - - - -	- - - - -	RIGHT OF WAY



ALTERNATE BELL END METHOD OF CABLE PROTECTION
N.T.S.



PREFERRED ROUTERED HDPE END DETAIL
N.T.S.

NOTES:

- 8" CASING MAXIMUM CAPACITY INCLUDES THE FOLLOWING:
3-1250 kcmil CABLES (1 CIRCUIT) & 1-FIBER INNERDUCT.
3-1000 kcmil CABLES (1 CIRCUIT) & 2-FIBER INNERDUCTS.
3-500 kcmil CABLES (1 CIRCUIT) & 3-FIBER INNERDUCTS.
- 6" CASING MAXIMUM CAPACITY INCLUDES THE FOLLOWING:
3-4/0 AWG CABLES (1 CIRCUIT) & 2-FIBER INNERDUCTS.
1-8-3MC CABLE (1 CIRCUIT) & 1-FIBER INNERDUCT.
- 2" CASING MAXIMUM CAPACITY INCLUDES THE FOLLOWING:
1-FIBER INNERDUCT.
- SEAL ALL CONDUITS WITH EXPANDING FOAM AFTER CABLE INSTALLATION.
- USE PVC CEMENT TO ATTACH BELL END TO PVC CONDUIT (ALTERNATE METHOD ONLY).
- USE HDPE-PVC ADHESIVE TO ATTACH BELL END TO HDPE CONDUIT (ALTERNATE METHOD ONLY).

DESCRIPTION	ITEM ID
2" PVC BELL END	35513
6" PVC BELL END	35519
8" PVC BELL END	35524
HDPE ADHESIVE	90252
PVC CEMENT	90253

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A	ORIGINAL DESIGN	P&E	NJS	MCR	05/11/10	DRAWN: NJS
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						APPR: DLB
						DATE: 05/11/10

CLIENT/PROJECT:	NEXTERA ENERGY RESOURCES BALDWIN WIND ENERGY CENTER
TITLE:	COLLECTOR SYSTEM LAYOUT DIRECTIONAL BORE CROSSING DETAILS
SCALE:	AS SHOWN ON P&E SHEETS ONLY N.T.S.
DRAWING NUMBER:	E8731-771
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