

19

Minnewaukan

Grahams Island

Devils Lake

Proposed Location

281



Existing Lallie Substation

Fort Totten

Oberon

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Image USDA Farm Service Agency

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Imagery Dates: Jan 1, 2010 - Aug 20, 2012

lat 48.003345° lon -99.142808° elev 1469 ft

Eye alt 17.44 mi

APPROVED

Existing Transmission line

Proposed transmission line

Proposed Substation

Lallie

281

Av St N

38th St NE

Existing Substation

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Imagery Date: Aug 20, 2012

lat 47.977833° lon -99.216209° elev 1563 ft

Eye alt 21894 ft



33th St NE

ASIN

47.96266, -99.211720

Existing Lallie Substation

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Imagery Date: Aug 20, 2012

lat 47.962919° lon -99.211589° elev 1554 ft

Eye alt 2435 ft



Coordinates of Proposed Substation

Lat: 47.981253°

Long: -99.212460

(From Google Map)

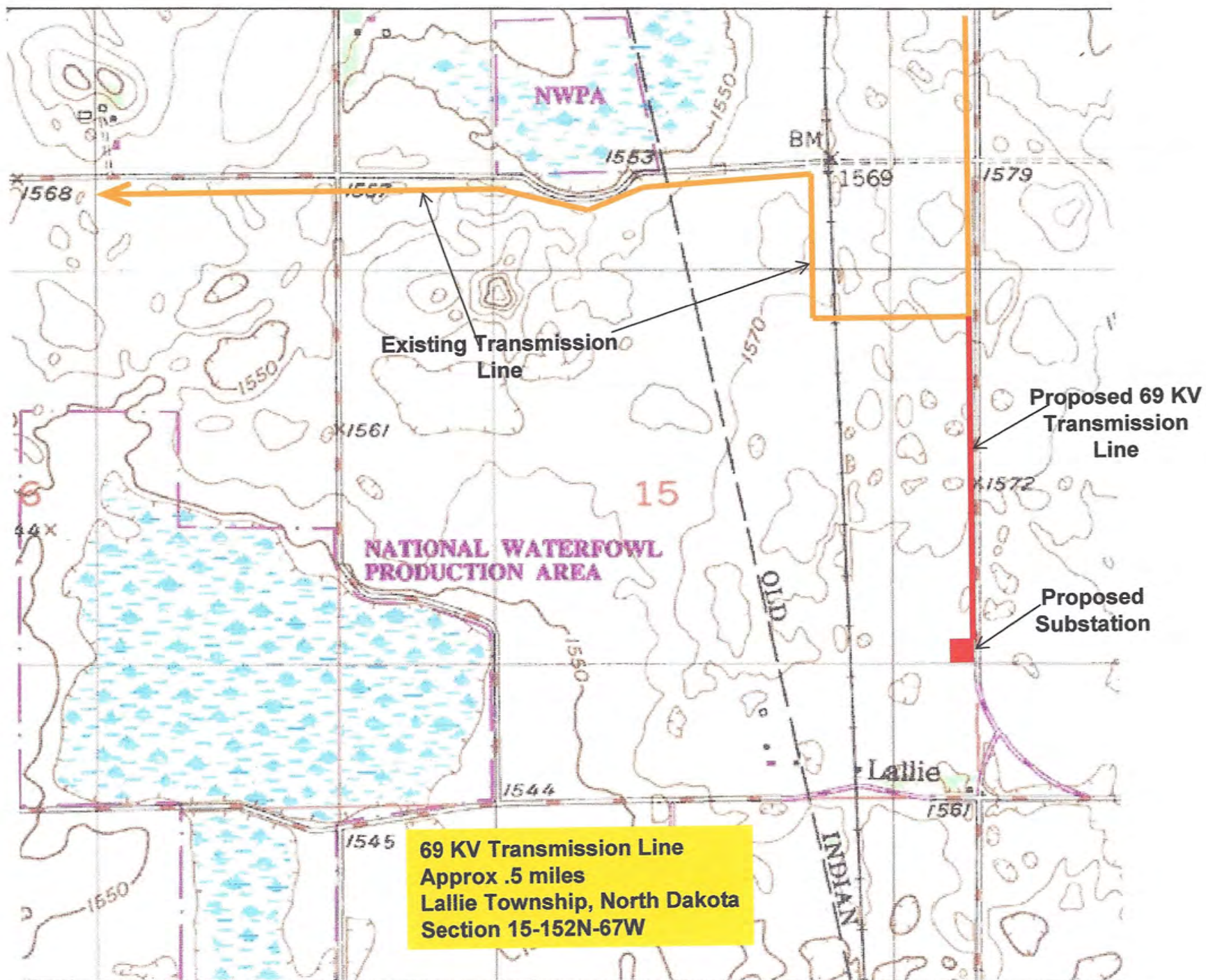
Section Center
section 15-162N-67W

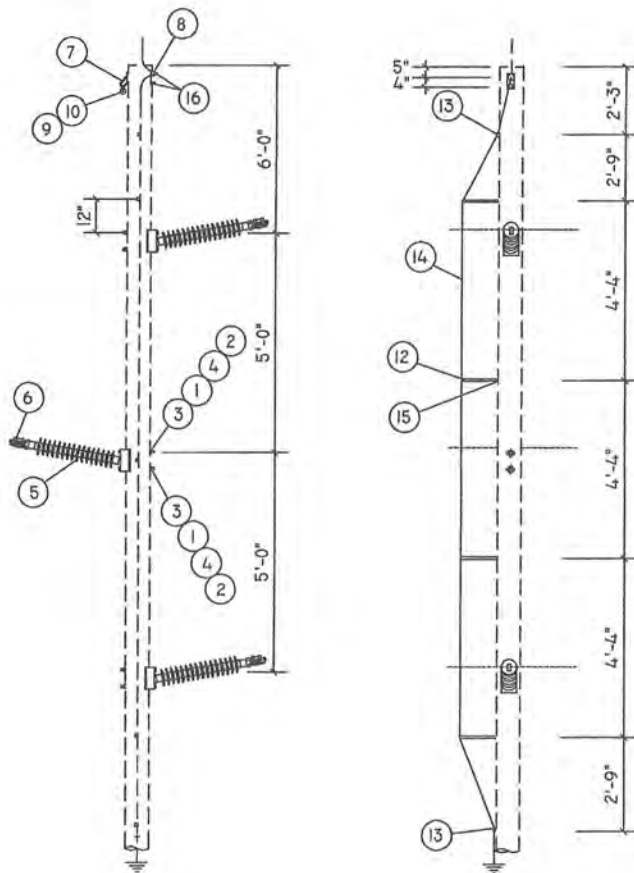
U.S. Hwy
281

100'
Proposed
Substation

SE 1/4 SE 1/4 -15 1200'







USE POLE DRILLING GUIDE TP-69G PDG FOR THIS STRUCTURE

TP-69G 69 KV TANGENT HORIZ LINE POST STRUCTURE			
LIST OF MATERIALS			
DWG. REF.	QTY.	UOM	DESCRIPTION
69KV TANGENT INSULATOR ASSEMBLY			
1	6	EA	WASHER, SPRING, 13/16" HOLE
2	6	EA	NUT, LOCK, MF, GALV. SQUARE, 3/4"
3	6	EA	WASHER, CURVED, SQUARE, CAST, 13/16" HOLE
4	6	EA	BOLT, MACHINE, SQ. HEAD, GALV. 3/4"
5	3	EA	INSULATOR, HORIZ POST, POLYMER, 69KV, GAIN BASE, FOR 3/4" MTG BOLTS, QSL P250028S1020
6	3	EA	CLAMP, TRUNNION, CUSHION GRP, FOR T2-336 ACSR
OHGW SUPPORT ASSEMBLY			
7	1	EA	SUPPORT, DOUBLE BOLT OHGW 5/8" x 12" LENGTH, HB 2859.1-12
8	1	EA	CLAMP, GROUND WIRE, 5/8" x 1 SQUARE NUT, HB2727.6 + HBN80
9	2	EA	DAMPER, VIBRATION, SPIRAL, FOR 3/8" EHS STEEL, PREFORM 5050104
10	1	EA	CLAMP, CUSHIONED SUSP, FOR 3/8" EHS STEEL, PREFORM AGS-7104
16	2	EA	WASHER, SPRING, 11/16" HOLE
GROUND WIRE DOWNLEAD ASSEMBLY			
12	4	EA	BRACKET, DOWN LEAD, FIBERGLASS, 3/4" x 2-0" DLM-248C
15	4	EA	SCREW, LAG, SQ HEAD, 5/8" x 5"
13	2	EA	WIREHOLDER, NYLON ALLOY, 5/16" LAG SCREW
14	100	FT	WIRE, GROUND 5/16" SOFT ANNEALED IRON
11	2	LBS	STAPLE, GROUND WIRE, GALVANIZED STEEL, 1/2" x 2"

Note: Central Power's Typical pole for the TP-69 Structure is a class 2, 65' pole. The pole is set to a depth of 8.5', leaving 56.5' above ground.

NOTE: REFER TO PLAN & PROFILE & CONSTRUCTION STAKING SHEET FOR POLE HEIGHT AND CLASS.

<div style="display: flex; justify-content: space-between;"> <div> <p>CENTRAL POWER ELECTRIC COOPERATIVE</p> <p>CENTRAL POWER</p> </div> <div> <p>69KV TANGENT HORIZONTAL LINE POST STRUCTURE</p> </div> </div>				<p>TP-69G</p> <p>1 of 1</p> <p>07/20/07</p>	
<p>DESIGNER</p> <p>CHECKED BY</p> <p>DATE</p>	<p>REVISION</p> <p>DATE</p>	<p>PROJECT</p> <p>DATE</p>	<p>SCALE</p> <p>DATE</p>		