

November 4, 2015

Jerry Lein, Public Utility Analyst
North Dakota Public Service Commission
600 East Boulevard Avenue, Dept. 408
Bismarck, ND 58505



Dear Mr. Lien:

Referenced is your letter dated September 18, 2015, received by Basin Electric on September 23, 2015, regarding North Dakota PSC Case Nos. PU-07-169, PU-07-671, and PU-08-75. Specifically, your letter provides a list of actions recommended in post-inspection reports for follow-up to confirm compliance with the listed commission orders. The information requests are enumerated below, with responses in ***bold italics*** immediately following.

1. PU-07-169. Written documentation that noxious weed and vegetation monitoring have occurred in accordance with the application. (Order Point 13).
Surveys/inspections of right-of-way vegetation and for noxious weeds were conducted by Basin Electric staff during October 2011, October 2012, and October 2013. No issues were identified and no additional reclamation work was recommended.
2. PU-07-169. Tree and Shrub Mitigation Specification No. 17 requires a survival rate of 75 percent after three years and if the survival rate is less than 75 percent, the Commission may order additional planting(s). ***The tree and shrub plantings were completed in spring 2011 with tree and shrub survival rate reports sent to the PSC fall of 2011 and fall of 2012. The fall 2012 report observed survival rates of approximately 92%. Additional surveys must be completed to establish a survival rate of 75%, however. Basin Electric will complete this work during the 2016 growing season.***
3. PU-07-169. Final as-built drawings for both substations and microwave towers. (Order Point 19) ***As-built drawings for the Rhame Substation, East Rainey Butte and Rhame Microwave Towers are attached. The Northern terminus of the transmission line is the existing Belfield Substation, which is owned and operated by Western Area Power Administration.***

- 97 PU-08-75 Filed 11/05/2015 Pages: 8
Response to Sept. 18, 2015 letter re post construction inspection report
- 119 PU-07-671 Filed 11/05/2015 Pages: 8
Response to Sept. 18, 2015 letter re post construction inspection report
- 120 PU-07-169 Filed 11/05/2015 Pages: 8
Response to Sept. 18, 2015 letter re post construction inspection report
Basin Electric Power Cooperative

November 4, 2015

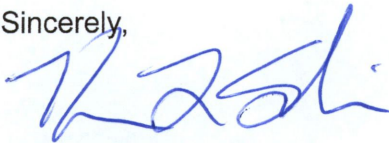
Page 2

4. PU-07-671. Written documentation that noxious weed and vegetation monitoring have occurred in accordance with the application. (Order Point 14).
Surveys/inspections of right-of-way vegetation and for noxious weeds were conducted by Basin Electric staff November 2011, November 2012, November 2013, July through November 2014, and October 2015. The transmission line right-of-way shows no evidence of noxious weeds; right-of-way vegetation is doing well and no additional reclamation was recommended.

5. PU-08-75. Tree and Shrub Mitigation Specification No. 17 requires a survival rate of 75 percent after three years. ***The Tree and Shrub Survival Rate Report for 2015 was submitted to the PSC on October 30, 2015, indicating a current survival rate of approximately 88%. The final (third year) tree and shrub inventory and survival rate report is scheduled for completion during 2016.***

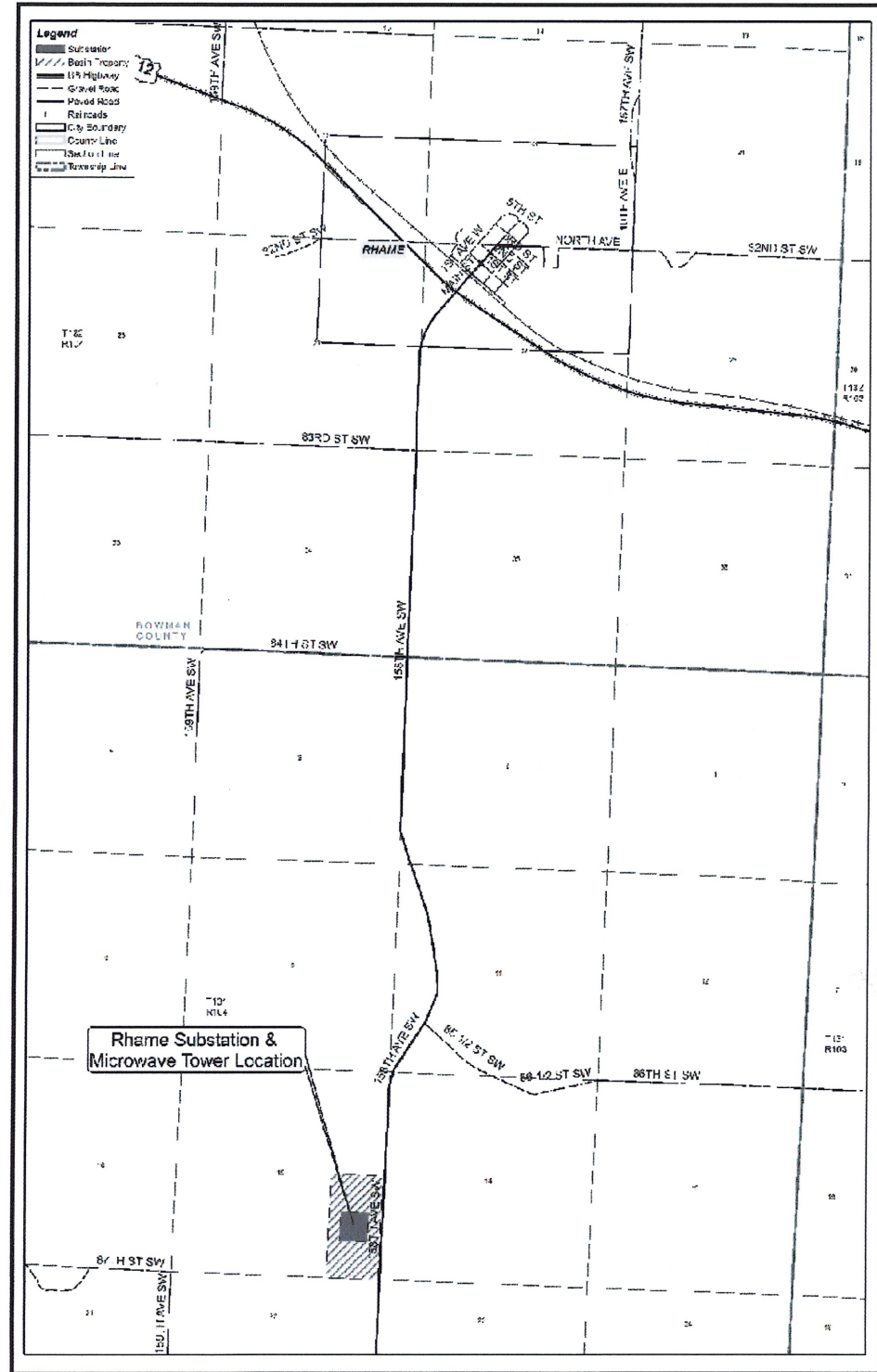
If you have any questions, comments or concerns regarding this letter or the enclosures, please contact me at 701.557.5495.

Sincerely,

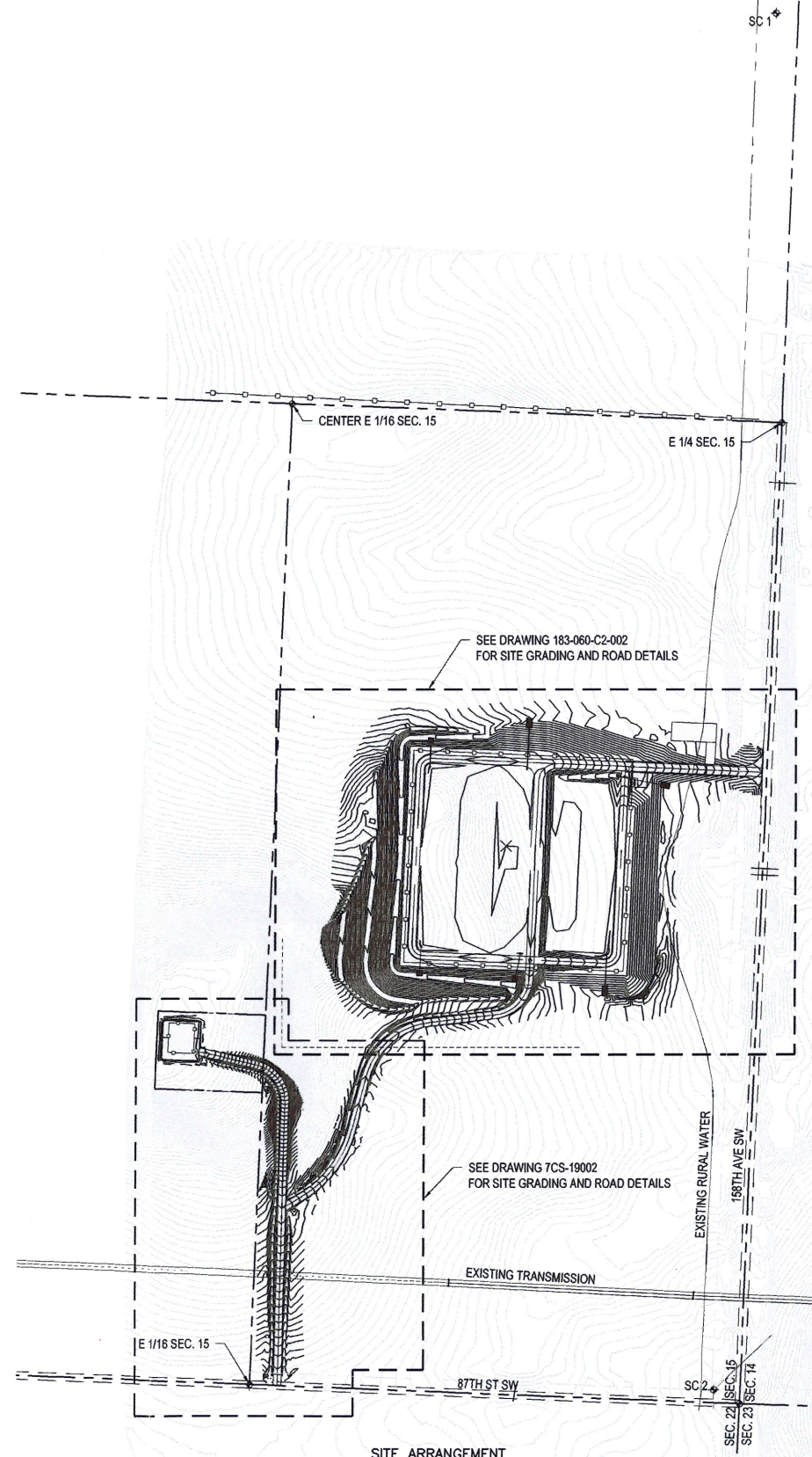


Kevin L. Solie. P.E.
Environmental Administrator

/ser



SITE LOCATION PLAN
NOT TO SCALE



SITE ARRANGEMENT
NOT TO SCALE

LOCATED IN SE 1/4 SEC. 15, T 131 N, R 104 E
BOWMAN COUNTY, NORTH DAKOTA
ALL COORDINATES ARE NAD 83, NORTH DAKOTA
STATE PLANE SOUTH ZONE, INTERNATIONAL FEET

SURVEY CONTROL POINTS
SC 1 SC 2
N 200603.01 N 196902.68
E 1167998.94 E 1167845.37
ELEV. 3152.86 ELEV. 3186.28

AS BUILT

REV.	DESCRIPTION	DRWN	DSGN	APPD	DATE
1	REVISED DRAWING TO AS BUILT	R. LANG	M. BARNHARDT		7/21/09
0B	ADDED SURVEY CONTROL POINTS AND CHANGED DRAWING TO FOR CONSTRUCTION STATUS	R. LANG	M. BARNHARDT		3/13/09

REFERENCE DRAWINGS

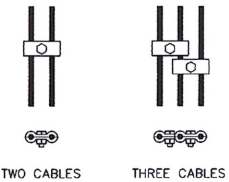
FACILITY:	TRANSMISSION SYSTEM MAINTENANCE	DESIGN BY:	M. BARNHARDT	12/08
LOCATION/UNIT:	183 - RHAME SUBSTATION	DRAWN BY:	R. LANG	1/09
CONTRACT/DESIGNATION:		DESIGN CHK:	S. WISEMAN	1/09
		DRAWN CHK:		
		APPROVED:		
		SCALE:	AS SHOWN	
		VENDOR/ORIGINATED FROM:		
		VENDOR DRAWING NO.	ORIGINAL REV	
		BASIN DRAWING NO.		
		183-060-C2-001	REV. NO.	1



GENERAL NOTES

- 15-10" STRAIN INSULATORS USED FOR 230KV DEAD-ENDS.
8-10" STRAIN INSULATORS USED FOR 115KV DEAD-ENDS.
- CABLE BUS RUNS THAT HAVE TWO OR MORE CABLES PER PHASE REQUIRE CABLE SPACERS. PLACE CABLE SPACERS PER DETAIL BELOW. SPACERS SHOULD BE PLACED AS NOTED:
 - LONG CABLE RUNS OVER 11'-0" SHOULD HAVE SPACERS 3'-0" FROM CABLE TERMINATION POINTS, AND SPACERS PLACED AT EQUAL SPACING. MAXIMUM SPACING 4'-0".
 - MEDIUM CABLE RUNS OVER 6'-0" & UNDER 11'-0" SHOULD HAVE SPACERS 3'-0" FROM CABLE TERMINATION POINT. MAXIMUM SPACING 4'-0".
 - SHORT CABLE RUNS OVER 3'-0" & UNDER 6'-0" SHOULD HAVE SPACERS PLACED MID MID POINT OF RUN. MAXIMUM SPACING 4'-0".

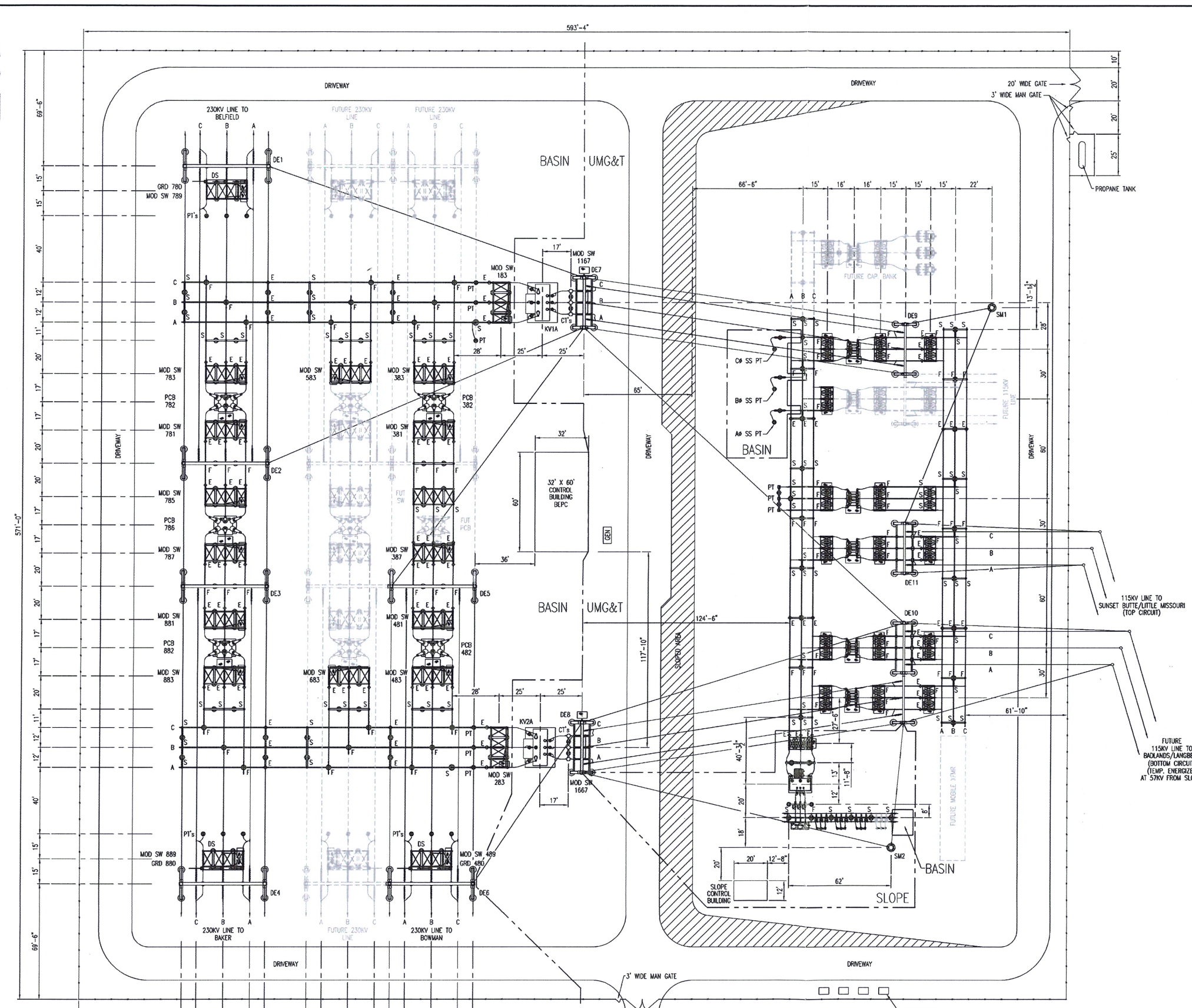
DO NOT MOUSE CABLES TOGETHER.



- STAINLESS STEEL BOLTED HARDWARE WILL BE USED FOR ALL ELECTRICAL CONNECTIONS INCLUDING COPPER TO COPPER, ALUMINUM TO ALUMINUM OR COPPER TO ALUMINUM REGARDLESS OF THICKNESS OF CONDUCTORS
 - SURFACE OF ALL ALUMINUM CONNECTIONS SHALL BE FIRST CLEANED, COATED WITH OXIDE INHIBITING COMPOUND, AND BRUSHED WITH STAINLESS STEEL BRUSH TO DISLODGE OXIDES BEFORE BOLTING.
 - DRILL (2) 1/4" DIA. HOLES ON UNDERSIDE OF ALL HORIZONTAL BUS SPANS, WITH A 1'-0" OFFSET FROM MIDPOINT OF SPAN FOR DRAINAGE. SEE DETAIL BELOW.
-
- OF BUS SPAN
1'-0" 1'-0"
- PLACE 1272 KCMIL 45/7 ACSR CABLE, INSIDE OF ALL HORIZONTAL BUS RUNS OF 4" SPS. & 5" ALUMINUM TUBING, FOR DAMPENING.
 - PLACE 4/0 AWG 6/1 ACSR CABLE, INSIDE OF ALL HORIZONTAL BUS RUNS OF 1 1/2" SPS. ALUMINUM TUBING, FOR DAMPENING.

LEGEND

- (SP) INDICATES SPLICE.
- (S) INDICATES SLIP FIT BUS SUPPORT CONDUCTOR FITTING.
- (F) INDICATES FIXED BUS SUPPORT CONDUCTOR FITTING OR FIXED TYPE TERMINAL CONNECTOR.
- (E) INDICATES EXPANSION TYPE CONNECTOR.
- (NS) INDICATES NEAR SIDE.
- (FS) INDICATES FAR SIDE.
- (TYP) INDICATES TYPICAL.



FACILITY: TRANSMISSION SYSTEM MAINTENANCE
LOCATION/UNIT: 183-230/115/25KV RHAME SUBSTATION
BASIN NUMBER: 183-054-E3-011

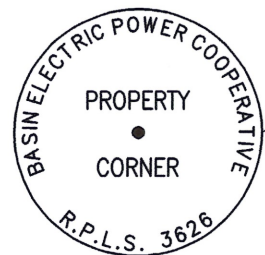
REV.	DESCRIPTION	DATE	DWN.	APPR.
A	ISSUED FOR CONSTRUCTION, FINAL	09/22/09	HY	DRP

HAMBY YOUNG
1245 DANNER DRIVE AURORA, OHIO 44202 (330) 562-8444 FAX (330) 562-4018

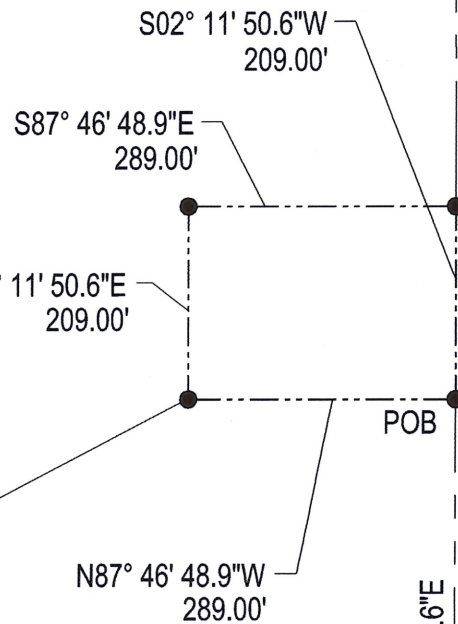
PROJECT BASIN ELECTRIC POWER COOPERATIVE - BISMARCK, ND 183-230/115/25KV RHAME SUBSTATION OVER-ALL PLAN VIEW					
SCALE	DATE	DWN.	APPR.	DRAWING NUMBER	REV.
1" = 30'	07/13/09	HY	DRP	E09-049-01	A



SCALE 1" = 200'



#5 REBAR WITH ALUM. CAP STAMPED AS SHOWN (TYP. 4 LOCATIONS)



A PARCEL OF LAND LOCATED IN SECTION 15, TOWNSHIP 131N, RANGE 104W OF THE FIFTH PRINCIPAL MERIDIAN, BOWMAN COUNTY, NORTH DAKOTA, BEING FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTH EAST CORNER OF THE W1/2 OF THE SE1/4 OF SAID SECTION 15; THENCE N02° 11' 50.6"E ALONG THE EAST LINE OF SAID W1/2 OF THE SE1/4 A DISTANCE OF 784.18 FEET TO THE POINT OF BEGINNING; THENCE N87° 46' 48.9"W PARALLEL TO THE SOUTH LINE OF SAID W1/2 OF THE SE1/4 A DISTANCE OF 289.00 FEET TO A POINT; THENCE N02° 11' 50.6"E PARALLEL TO THE EAST LINE OF SAID W1/2 OF THE SE1/4 A DISTANCE OF 209.00 FEET TO A POINT; THENCE S87° 46' 48.9"E PARALLEL TO THE SOUTH LINE OF SAID W1/2 OF THE SE1/4 A DISTANCE OF 289.00 FEET TO THE EAST LINE OF SAID W1/2 OF THE SE1/4; THENCE S02° 11' 50.6"W ALONG SAID EAST LINE OF THE W1/2 OF THE SE1/4 A DISTANCE OF 209.00 FEET TO THE POINT OF BEGINNING.

SAID DESCRIBED PARCEL CONTAINS 1.387 ACRES MORE OR LESS.

BEARINGS ARE BASED ON ND STATE PLANE NAD 83 SOUTH ZONE (3302) DISTANCES ARE IN GROUND AND THE SCALE FACTOR IS 0.999830046.

SURVEYOR'S CERTIFICATE

I, MATTHEW L. WEEKS, A REGISTERED LAND SURVEYOR IN THE STATE OF NORTH DAKOTA, HEREBY CERTIFY THAT THIS SURVEY, PLAN OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THE INFORMATION PRESENTED HERE IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. ANY ALTERATION OF THIS DOCUMENT WILL VOID THIS CERTIFICATION.

MATTHEW L. WEEKS, R.L.S. 3626
BASIN ELECTRIC POWER COOPERATIVE
1717 EAST INTERSTATE AVENUE
BISMARCK, ND 58503

STATE OF NORTH DAKOTA } S.S.
COUNTY OF

I, _____, A _____
WITHIN AND FOR SAID COUNTY, DO HEREBY CERTIFY THAT ON THIS ___ DAY OF _____
A.D., 20___, PERSONALLY APPEARED BEFORE ME _____
TO ME WELL KNOWN TO BE THE SAME PERSON _ DESCRIBED
IN AND WHO EXECUTED THE WITHIN AND FOREGOING INSTRUMENT AND ACKNOWLEDGED THAT _HE_ EXECUTED THE
SAME FREELY AND VOLUNTARILY.
MY COMMISSION EXPIRES _____ 20___ NOTARY PUBLIC, _____ COUNTY, N.D.


S1/4 COR SEC 15
(T131N,R104W)

E1/16 COR SEC 15
(T131N,R104W)

N87° 46' 48.9"W
1319.09'

N02° 11' 50.6"E
784.18'

THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY MATT W. WEEKS,
LS NO. 3626 ND IS STORED AT BASIN ELECTRIC ENGINEERING
HEADQUARTERS, FIRST FLOOR FLAT FILES. THIS MEDIA SHOULD NOT BE
CONSIDERED A CERTIFIED DOCUMENT.

FACILITY:	TELECOMMUNICATIONS	DESIGN BY	M. WEEKS
LOCATION/UNIT:	190 - RHAME	DRAWN BY	R. LANG
CONTRACT/DESIGNATION:		DESIGN CHK	
PROPERTY BOUNDARY RHAME MICROWAVE SITE		DRAFT CHK	R. THOMPSON
		APPROVED	
		SCALE:	1" = 200'
		VENDOR/ORIGINATED FROM:	
 BASIN ELECTRIC POWER COOPERATIVE A Touchstone Energy Cooperative		VENDOR DRAWING NO.	ORIGINAL REV
		BASIN DRAWING NO.	REV. NO.
		7CS-19001	0

REV.	DESCRIPTION	DRWN	DGN	APPD	DATE

LEASE BOUNDARY PARCEL #1

DESCRIPTION

A PARCEL OF LAND LOCATED IN THE WEST 1/2 SECTION 34, TOWNSHIP 135 NORTH, RANGE 98 WEST OF THE FIFTH PRINCIPAL MERIDIAN, SLOPE COUNTY, NORTH DAKOTA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE WEST ONE-QUARTER CORNER OF SAID SECTION 34, THENCE S83°37'47.15"E A DISTANCE OF 1771.86 FEET TO THE SOUTHWEST CORNER OF AN EXISTING WAPA-DEPARTMENT OF ENERGY, EAST RAINEY BUTTE MICROWAVE SITE LEASE, A DOCUMENT WHICH IS ON FILE IN THE SLOPE COUNTY RECORDERS OFFICE, DOCUMENT #76794; THENCE S89°35'06.15"E ALONG THE SOUTH BOUNDARY OF SAID WAPA LEASE A DISTANCE OF 291.28 FEET TO A POINT MARKED BY A 5/8" REBAR WITH A 2 1/2" ALUMINUM CAP, SAID POINT BEING THE POINT OF BEGINNING; THENCE N00°24'53.85"E A DISTANCE OF 208.71 FEET TO A POINT, SAID POINT BEING MARKED BY A 5/8" REBAR WITH A 2 1/2" ALUMINUM CAP; THENCE S89°35'06.15"E A DISTANCE OF 208.71 FEET TO THE EAST BOUNDARY OF SAID WAPA LEASE, SAID POINT BEING MARKED BY A 5/8" REBAR WITH A 2 1/2" ALUMINUM CAP; THENCE S00°24'53.85"W ALONG THE EAST BOUNDARY OF SAID WAPA LEASE A DISTANCE OF 208.71 FEET TO THE SOUTHEAST CORNER OF SAID WAPA LEASE, SAID POINT BEING MARKED BY A 5/8" REBAR WITH A 2 1/2" ALUMINUM CAP; THENCE N89°35'06.15"W ALONG THE SOUTH BOUNDARY OF SAID WAPA LEASE A DISTANCE OF 208.71 FEET TO THE POINT OF BEGINNING.

ABOVE DESCRIBED TRACT CONTAINS 1.00 ACRES MORE OR LESS. ALL BEARINGS ARE BASED ON THE NORTH DAKOTA STATE PLANE NAD 83 SOUTH ZONE (3302). ALL DISTANCES ARE GROUND DISTANCE WITH A SCALE FACTOR OF 0.99995692.

THIS DESCRIPTION WAS PREPARED BY MATTHEW WEEKS, BASIN ELECTRIC POWER COOPERATIVE, AND ANY ALTERATION WILL VOID THIS DESCRIPTION.

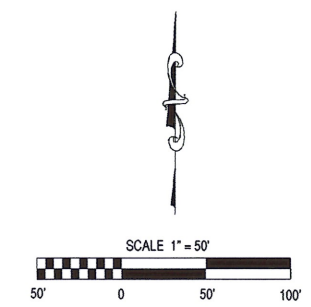
SURVEYOR'S CERTIFICATE

I, MATTHEW L. WEEKS, A REGISTERED LAND SURVEYOR IN THE STATE OF NORTH DAKOTA, HEREBY CERTIFY THAT THIS SURVEY, PLAN OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THE INFORMATION PRESENTED HERE IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. ANY ALTERATION OF THIS DOCUMENT WILL VOID THIS CERTIFICATION.

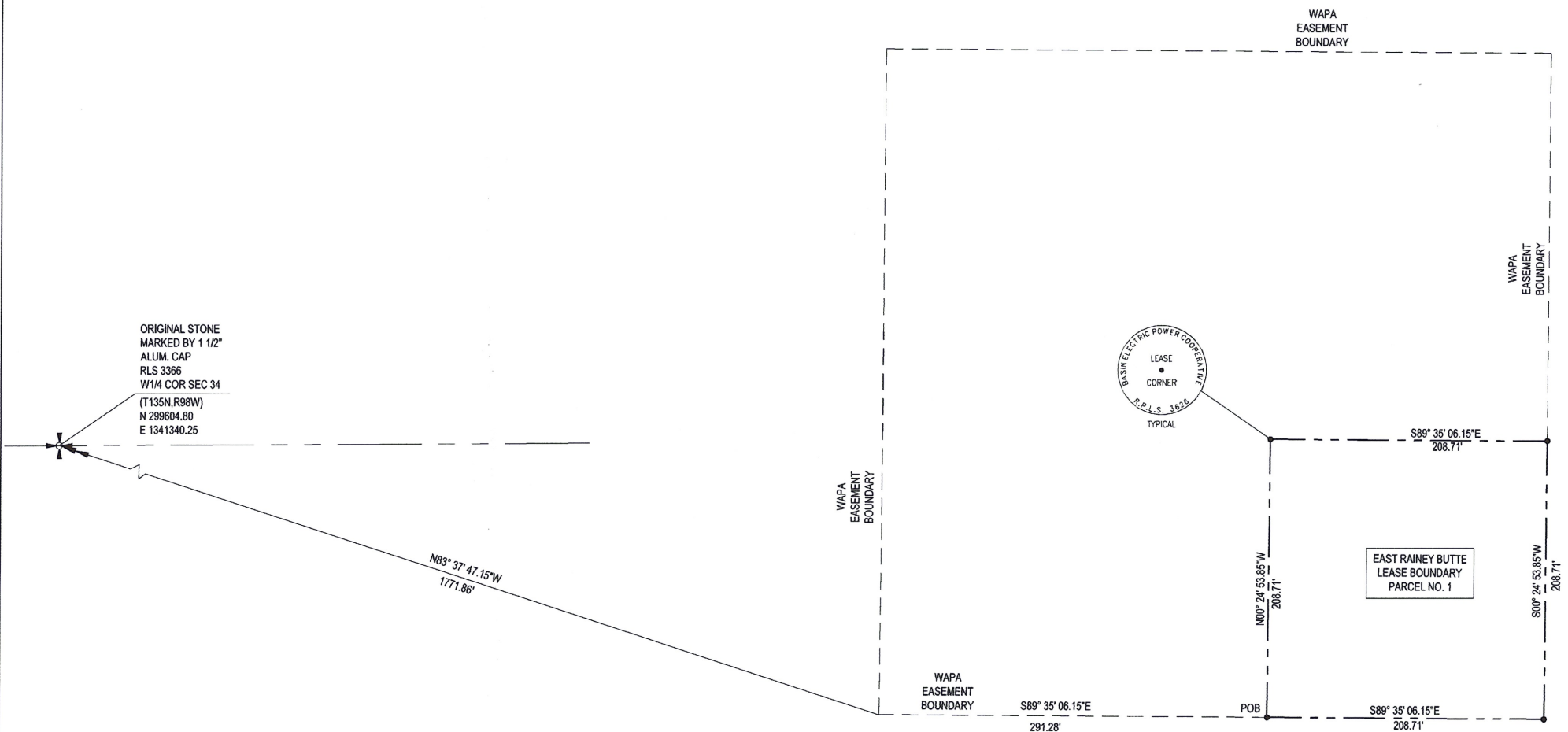
MATTHEW L. WEEKS, R.P.L.S. 3628
BASIN ELECTRIC POWER COOPERATIVE
1717 E INTERSTATE AVENUE
BISMARCK, ND 58503

STATE OF NORTH DAKOTA } s.s.
COUNTY OF

I, _____ A _____
WITHIN AND FOR SAID COUNTY, DO HEREBY CERTIFY THAT ON THIS ____ DAY OF _____
A.D., 20____, PERSONALLY APPEARED BEFORE ME _____
TO ME WELL KNOWN TO BE THE SAME PERSON DESCRIBED
IN AND WHO EXECUTED THE WITHIN AND FOREGOING INSTRUMENT AND ACKNOWLEDGED THAT
HE EXECUTED THE SAME FREELY AND VOLUNTARILY.
MY COMMISSION EXPIRES _____ 20____ NOTARY PUBLIC, _____ COUNTY, N.D.

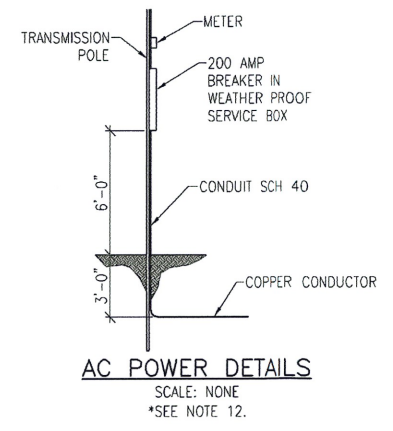
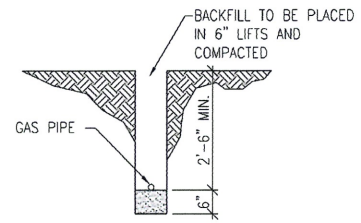
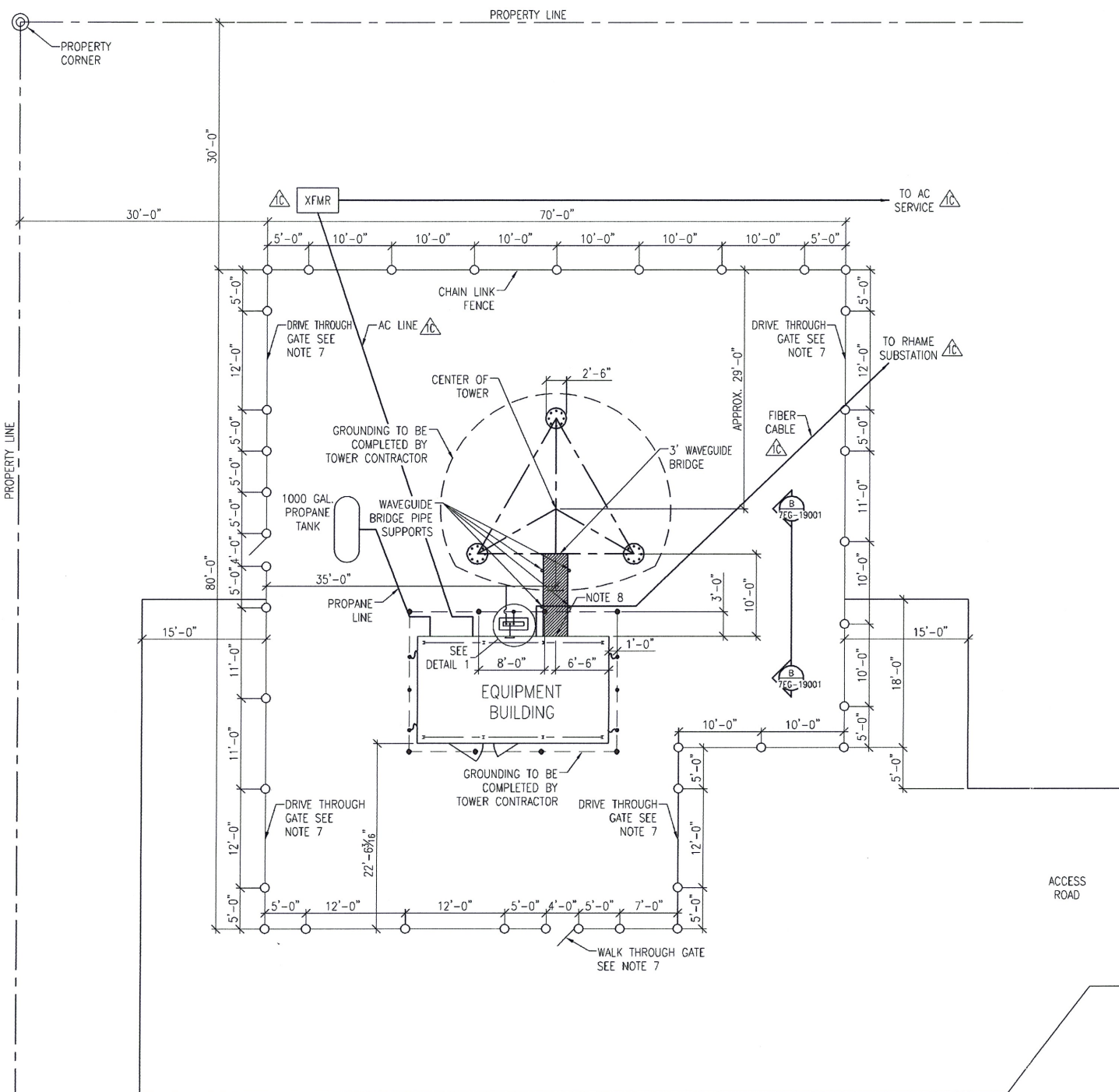


THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY MATT W. WEEKS, R.P.L.S. NO. 3626 ND IS STORED AT BASIN ELECTRIC HEADQUARTERS BUILDING IN THE ENGINEERING DEPARTMENTS DRAWING FLAT FILES THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

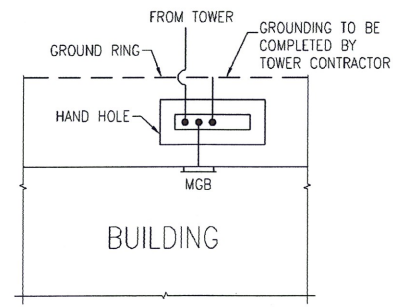


REV.	DESCRIPTION	DRWN	DSGN	APPD	DATE

REFERENCE DRAWINGS	TELECOMMUNICATIONS	DESIGN BY	DATE
BASIN DRAWING NBR 7CS-19101 - ACCESS EASEMENT EAST RAINEY BUTTE MICROWAVE SITE PARCEL 1 7CS-19102 - ACCESS EASEMENT EAST RAINEY BUTTE MICROWAVE SITE PARCEL 2	LOCATION/DATE: 191-EAST RAINEY BUTTE CONTRACT/DESIGNATION:	M. WEEKS R. LANG	AUG/08 AUG/08
LEASE BOUNDARY EAST RAINEY BUTTE MICROWAVE SITE PARCEL 1		SCALE: AS SHOWN	VENDOR/ORIGINATED FROM:
BASIN ELECTRIC POWER COOPERATIVE A Touchstone Energy Cooperative		VENDOR DRAWING NO.	ORIGINAL REV.
		7CS-19103	0



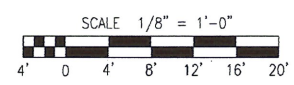
SITE LAYOUT
SCALE: 1/8" = 1'-0"



GENERAL NOTES

- SITE LAYOUT DIMENSIONS SHOWN ARE PRELIMINARY. FINAL SITE LAYOUT DIMENSIONS TO BE DETERMINED BASE ON TOWER SPECIFICATIONS AND SUBMITTAL.
- DENOTES A CADWELDED GROUND ROD.
- DENOTES A CADWELDED CONNECTION.
- GROUND RODS SHALL BE 5/8" BY 10' SOLID STEEL ROD WITH COPPER COATING.
- GROUND WIRE SHALL BE #2/0 STRANDED COPPER WIRE.
- GROUND RINGS SHALL BE TYPICALLY TWO FEET FROM FOUNDATIONS OR BUILDING PERIMETERS.
- SEE DRAWING 7CY-19002 FOR FENCE SECTIONS AND DETAILS.
- CENTER OF TOWER SHALL LINE UP WITH CENTER OF WAVEGUIDE ENTRY IN BUILDING.
- OWNER TO STAKE TOWER CENTER AND ORIENTATION. TOWER LEG FOUNDATION LOCATIONS SHALL BE LOCATED BY THE CONTRACTOR TO MEET TOWER CENTER AND ORIENTATION REQUIREMENTS.
- OWNER TO PROVIDE BUILDING DETAILS.
- ALL GROUNDING WORK TO BE COMPLETED BY TOWER CONTRACTOR.
- TO BE INSTALLED BY ELECTRICAL CONTRACTOR.

FOR CONSTRUCTION



REV.	DESCRIPTION	DRWN	DSGN	APPD	DATE
1C	ADD AC SERVICE LINE, FIBER TO SUB & XFMR	A. DAVIS	J. SHELDON		10/5/09
1B	REVISE FENCE, DETAIL 1 & NOTES	A. DAVIS	J. SHELDON		7/22/09
1A	REVISE FENCE, WAVEGUIDE ICE BRIDGE & REMOVE DETAILS	A. DAVIS	J. SHELDON		3/31/09
1	REVISE TOWER LEG SIZE AND GROUND ROD LENGTH, REMOVE DETAILS	A. DAVIS	J. SHELDON		9/8/08

REFERENCE DRAWINGS	
BASIN DRAWING NBR:	
7GA-19003	WAVEGUIDE BRIDGE ATTACHMENT
7EG-19001	SITE GROUNDING DETAILS
7SC-19001	BUILDING FOUNDATION PLAN AND SECTION
7CY-19002	CHAIN LINK FENCE DETAILS

FACILITY: TELECOMMUNICATIONS		DESIGN BY: B. TRESTER	6/5/08
LOCATION/UNIT: 190-RHAME		DRWN BY: A. DAVIS	6/5/08
CONTRACT/DESIGNATION: ND/SD		DESIGN CH: J. FROELICH	10/11/08
SITE LAYOUT		SCALE: AS SHOWN	
		VENDOR/ORIGINATED FROM:	
BASIN ELECTRIC POWER COOPERATIVE A Touchstone Energy Cooperative		VENDOR DRAWING NO. ORIGINAL REV	
		BASIN DRAWING NO. REV. NO.	7CY-19001 1C