R46W R45W R44W R43W R42W R41W R40W R39W R38W

T149N

T148N

T147N

T146N

T145N

T144N

T143N

T142N

T141N

T140N

T139N

T138N

LEGEND

TRANSMISSION LINE (OTHERS)

TRANSMISSION LINE 69KV (MINKOTA)

SUBSTATION BOUNDARY

FEEDER BOUNDARY

24 — FEEDER NUMBER

SUBSTATION

DISTRIBUTION LINE, NO. 6 CU EQUIV. A, B & C PHASES, TAP OFF B PHASE AT POINT 300

UNDERGROUND DISTRIBUTION LINE, #1/0 AL EXCEPT AS NOTED

25B — LINE REGULATOR, 25 AMP, IN B PHASE

15T — FUSE

SW — THREE PHASE DISTRIBUTION SWITCH

50 — RECLOSER (I=100A FRAME, 2A-2B OPERATIONS EXCEPT C=2A-2C, X=1A-3C, Z=1A-1C)

70S — SECTIONALIZER

12 — MIN-MAX VOLTMETER

2015 System 2015 Loading	2015 System 2020 Projected Loading
A# 25.9 27.1	
B# 11.0 11.8	
C# 12.4 12.9	
MILES FROM SUB 5	
LINE SECTION 153410	

CALCULATED VOLTAGE DROP
120 VOLT BASE AND PEAK MONTH LOADS

WILD RICE ELECTRIC COOPERATIVE, INC.
MINNESOTA 82 BECKER
MAHNOMEN, MINNESOTA

DWN: CGS 3/8/2016 REV: 11/18/2016

MEI Engineering, Inc.
FARGO, NORTH DAKOTA

CIRCUIT DIAGRAM
2015 PRESENT SYSTEM

M1