

February 12, 2007

Michigan Electric Transmission Company, LLC
C/O NSI Consulting & Development, Inc.
26657 Woodward Ave., Suite 100
Huntington Woods, MI 48070

Attention: Executive Vice President and Chief Operating Officer

Subject: Three Phase, 11,000 Delta Aerial Cable.

Reference No: 06606555/Arenac Twp/Arenac/Walker

REFERENCE: Amended and Restated Easement Agreement (the "Agreement") dated April 29, 2002, between Consumers Energy Company ("Consumers") and Michigan Electric Transmission Company, now Michigan Electric Transmission Company, LLC ("METC")

Pursuant to Section 7.1 of the Agreement, Consumers hereby notifies METC that Consumers intends to relocate a distribution line crossing certain land in which METC has an interest under the Agreement. The location of the land on which said line will be constructed, and a further description of the intended use, are set forth on "Annex A", attached to this letter.

Under said Section 7.1 of the Agreement, METC must within 30 days of this notice notify Consumers, as "Initiating User," of whether or not METC approves the proposed use as a Compatible Use. If you do not notify us either way within 30 days of this notice, then, as provided in said Section 7.1, METC will be deemed to have approved the proposed use as being a Compatible Use. We would appreciate, however, receiving METC's express approval of the proposed use as being a Compatible Use as soon as possible so that we can start work without delay.

February 12, 2007

Page Two

Reference No: 06606555/Arenac Twp/Arenac/Walker

This letter is being sent to you in duplicate. If METC agrees that the proposed use is a Compatible Use, please indicate that by signing and returning a copy of this letter to us as soon as possible, so that we can immediately proceed with construction. The other copy is for your records.

Very truly yours,



Stacie Lahr
Consumers Energy
One Energy Plaza
Jackson, MI 49201

APPROVED:

MICHIGAN ELECTRIC TRANSMISSION
COMPANY, LLC

By: _____



APPROVED FEB 26 2007

Date: _____

ANNEX A

Reference No. 06606555/Arenac Twp/Arenac/Walker

LAND TO BE IMPACTED:

Land located in the Township of Arenac, County of Arenac, State of Michigan, described as follows:

The Southeast 1/4 of Section 15, Township 19 North, Range 5 East.

PROPOSED USE:

Relocate a three phase distribution line that crosses an existing 138Kv transmission line. The distance to a METC facility is 20 feet. The crossing height is 33-35 feet. See attached 391 form, sketch, and plan and profile drawings.

Prepared by:
Stacie M Lahr 02/12/07
Consumers Energy Company
EP7-436
One Energy Plaza
Jackson, MI 49201



Date: February 22, 2007

To: Barbara Mention/Fernando Guevara
Real Estate and Rights of Way
ITC

From: David Doubley
Engineering
ITC

Subject: **MAR071107/CU-245**
CE Three Phase 11kv Delta Cable next to METC 138kv
Section 15, Arenac Twp, Arenac County

This request is approved.

Approved

by: David Doubly
David Doubley
Engineer

**CONSUMERS ENERGY
NOTIFICATION OF PROPOSED LINE CONSTRUCTION
REQUIRING COORDINATION WITH TRANSMISSION LINES**

Send two (2) copies to:

Transmission Lines Design and Standards

Att: _____

Jackson, Michigan

TO BE FILLED IN BY SYSTEM OWNER / ENGINEER / CES
Headquarters <u>BAY CITY</u>
Work Order No. <u>6606555</u>
Date <u>10-18-2006</u>

PROPOSED DISTRIBUTION CONSTRUCTION

Sketch Attached Yes No

Primary:

Voltage 11,000 DELTA Phase 3

No. of Wires 3 Crossarms Per Pole _____

Wire Size 1/0 aerial cable Length of Crossarms _____

Distance Below Transmission 11.5'

Skip-Span Yes No

Secondary:

No. of Wires _____ Wire Size _____

Other Details: Distribution to replace existing 158' span of #4 acsr with 1/0 aerial cable. Nearest Transmission support is 20 feet to north of distribution line. Crossing point is at 30% of distribution span.

5N

TO BE FILLED IN BY TRANSMISSION LINES DESIGN AND STANDARDS OR METC
Engineering Required <input type="checkbox"/> Yes <input type="checkbox"/> No
Checked By _____ Date _____
GWO No. _____

EXISTING DISTRIBUTION FACILITIES

Description: AT CROSS UNDER POINT - Distribution will be at 33- 35 ' above final grade at all temperature and ice loading contions. This crossing is 20' horizontal distance south from the transmission tower # 226. Estimated height from grade to lowest transmission line at this point is 50 ft above grade.

LOCATION

Township ARENAC County ARENAC

Section 15 Range 05E (55)

Transmission Line Involved _____

METC Line

Transmission Pole No. 20 ft south of tower #226

REMARKS:

Prepared By SUE WALKER 667-5232
System Planning and Performance / Electric Service

Date 1-31-2007

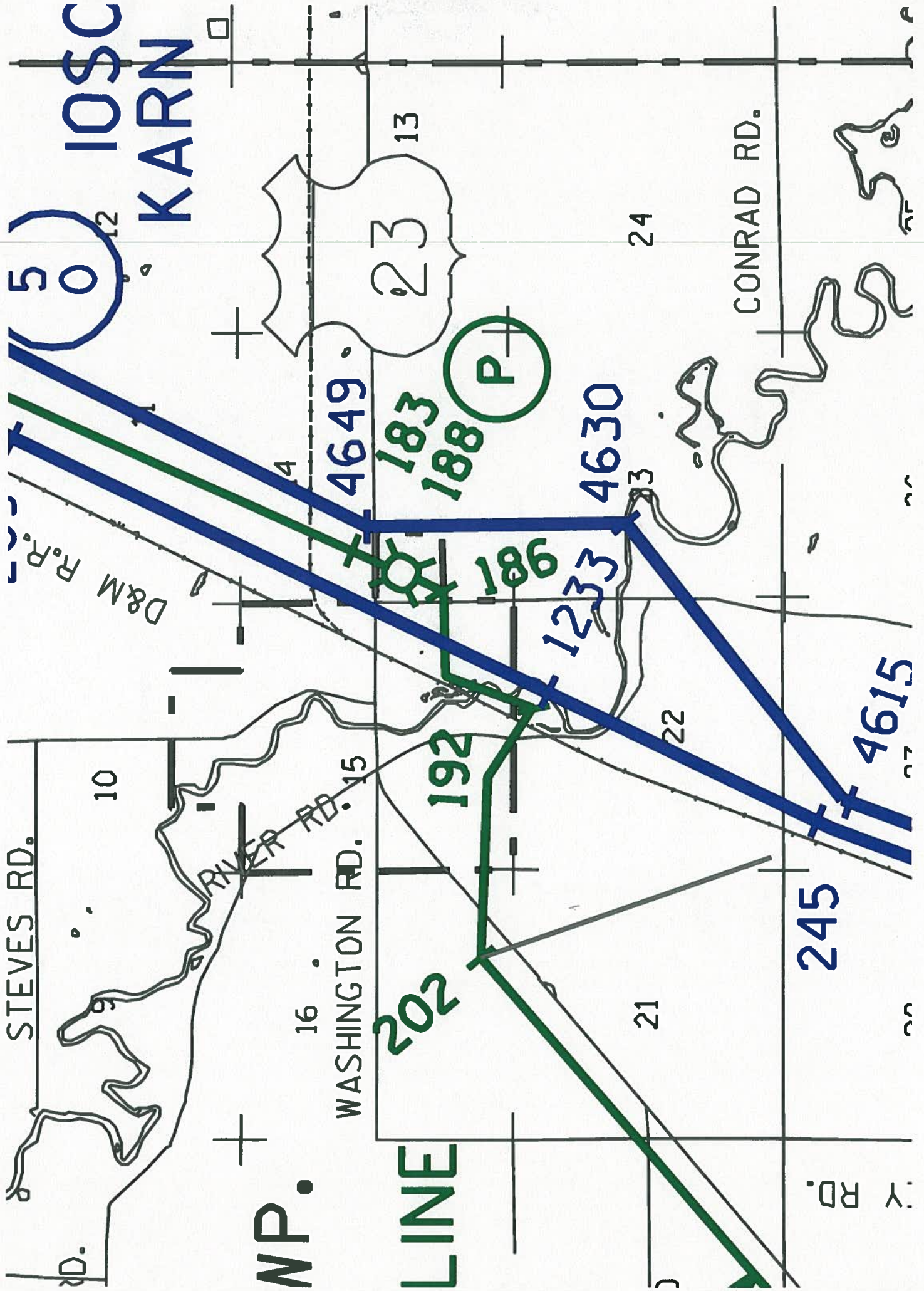
Approved By _____
Transmission Lines Design and Standards

Date _____

Approved By _____
METC

Date _____

METC lines are subject to the easement rights of METC. Your request has been forwarded to Real Estate for processing and will require a 30-day period prior to approval. Initiation of any construction activities without appropriate METC approval may require relocation or removal of the lines at your expense.



5
IO SC

KARN

STEVES RD.

RIVER RD.

WASHINGTON RD.

CONRAD RD.

245

4615

4630

4649

183
188

186

192

202

1233

24

23

22

21

10

16

13

12

9

7

NP.

LINE

Y RD.

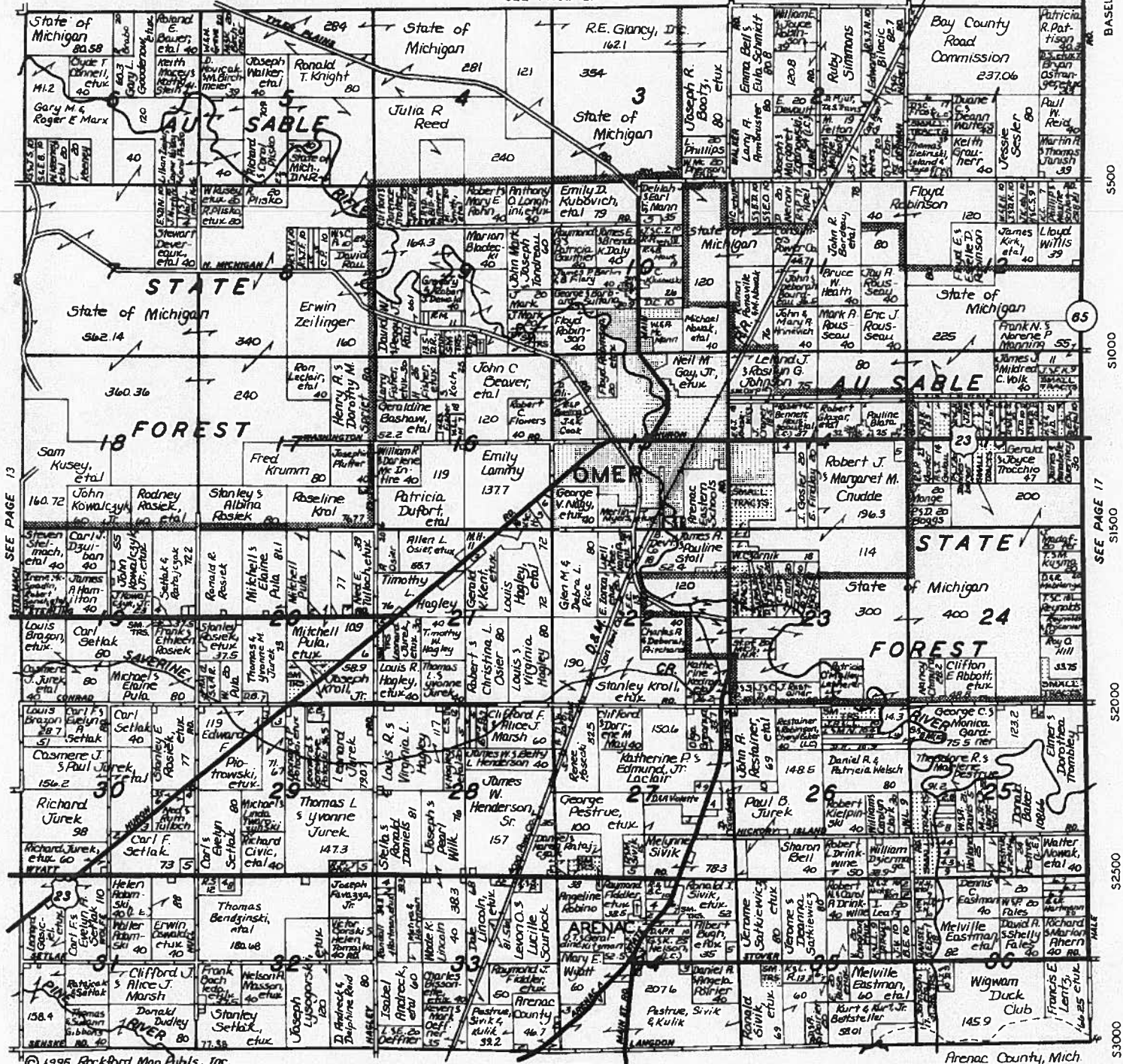
P

D&M R.R.

Map 7-60

16 1/2 DS-1 Metz

SEE PAGE 21



© 1935 Rockford Map Pubs., Inc.

SEE PAGE 11

Arenac County, Mich.

EXISTING 45-4 POLE OK

1 REPLACE

SIDE ARM/SBFC
CLASS 'B' CONSTRUCTION
3 PHASE DEADEND TRANSITION
AERIAL TO BARE WIRE #4 ACSR
PG 29-340-5
20K-FG-P-34'-STE
INSTALL LINE ARM + 3 ARRESTERS
INSTALL ANTENNA ON PRIMARY GROUND
TEST EXISTING PRIMARY GROUND-
25 OHMS OR LESS

EXISTING 45-4 POLE OK

2 INSTALL

ANTENNA + DOWN GROUND
TANGENT 3 PHASE
1/0 AERIAL CABLE
14' SWAY BRACKET
PG29-305-1
TEST GROUND 25 OHMS OR LESS
REMOVE SIDE ARM

EXISTING 46KV 70'-1(SET 3' EX)
POLE # 1183

3 SPACE 8' BELOW LOWEST 46KV ARM

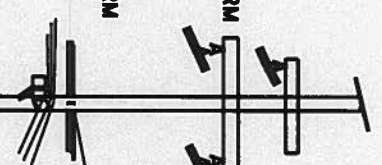
INSTALL ON NORTH SIDE OF POLE
AERIAL CABLE TANGENT PG 29-305-1
WITH 14" ANTI SWAY BRACKET
NO NEUTRAL CONNECTION + NO ANTENNA
GROUND BRACKET ON 46 KV DOWN GROUND

46KV SUSPENSION ARM

REMOVE SIDE ARM

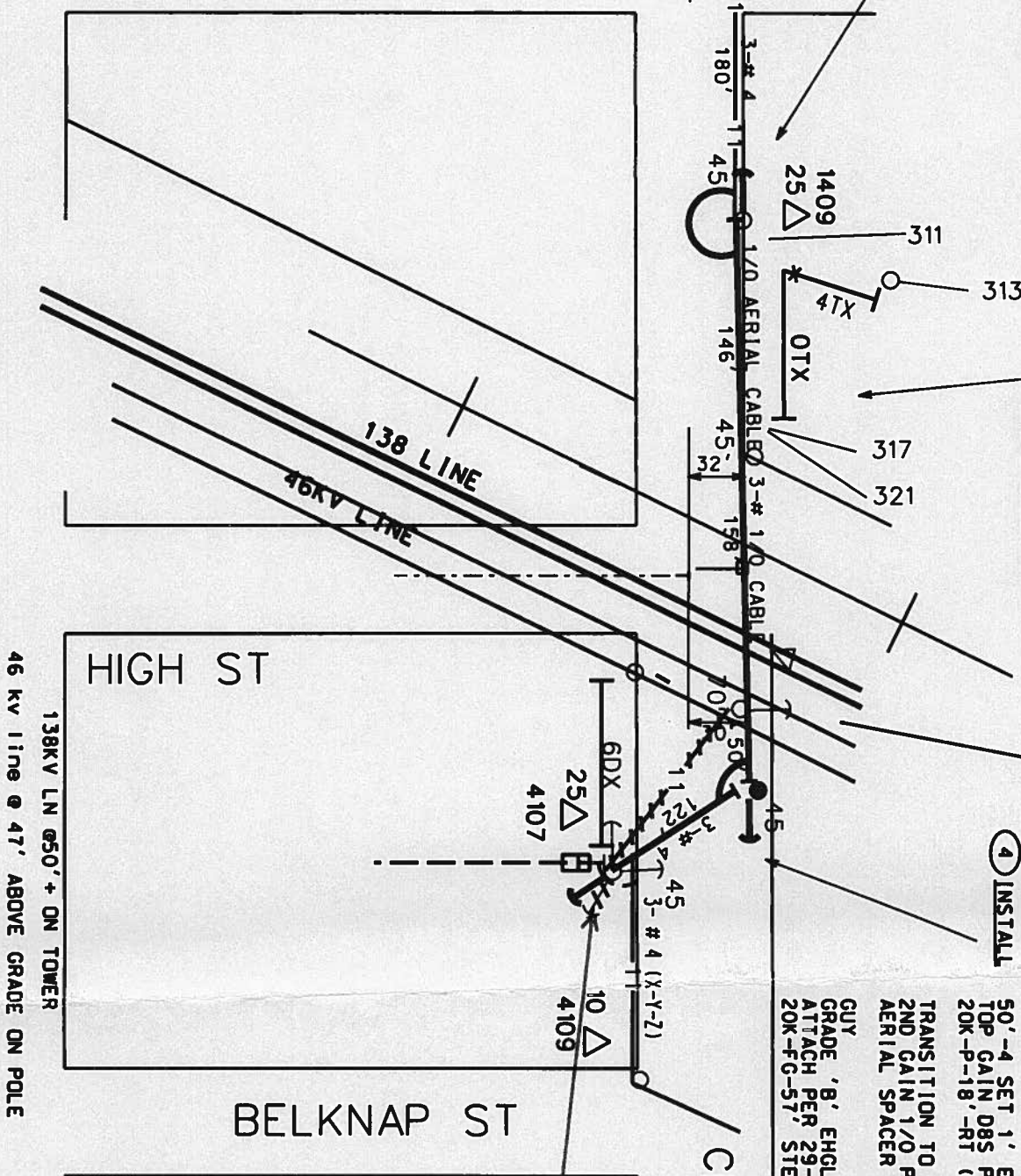
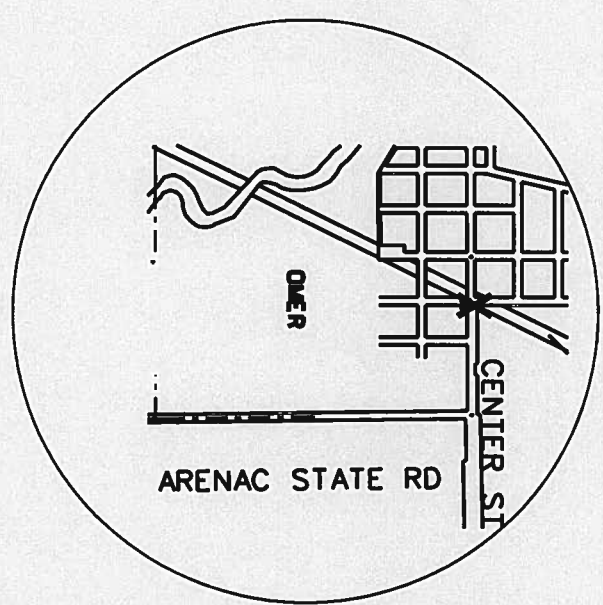
4 INSTALL

50'-4 SET 1' EX
TOP GAIN DBS PDE PG 23-227
20K-P-18'-RT (NORTHWEST)
TRANSITION TO AERIAL CABLE
2ND GAIN 1/0 PDE FIBERGLASS ARE
AERIAL SPACER PG 29-340-5
GUY
GRADE 'B' ENCL=14282 FT/LB
ATTACH PER 29-340-5
20K-FG-57' STE (EAST)



INSTALL
TANGENT
3PHASE 1/0 AERIAL

ARENAC CO
ARENAC TWP
T19 R55 SEC. 15



46 kv line @ 47' ABOVE GRADE ON POLE

138KV LN @50'+ ON TOWER

REPLACE 3 PHASE DELTA PRIMARY
#4 ACSR WITH 1/0 AERIAL CABLE =305'
GRADE 'B' CONSTRUCTION LOCATIONS 1,2,3,+4
NARROW RIGHT OF WAY
MINIMUM CLEARANCES-
10 FT FROM 138 KV TOWER
11.5 FT BELOW 138 LINES
8 FT BELOW 46 KV LINES
13.5 FT FROM R/R CATWALK
27 FT OVER R/R TRACK
18 FT OVER STATE HIGH WAY
TOWER

DBS ARM OK
PDE OK
REDIRECT PRIMARY
TO NEW POLE
LOCATION 4
SET NEW ANCHOR
20K-FG-P-12'-RT

-CONSTRUCTION CERTIFICATION-
Work was constructed as Engineered or Changed as Indicated.
All Salvageable Material Was Returned to Stores.
Signed _____ in Direct Charge of Work
Dates: Started _____ Completed _____
MISS DIG NUMBER: _____ DATE: _____

STAKED	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
TREES	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
TLM NUMBER	# DF	RODS OHMS
1955151408		

Bonsuemi Energy
DESIGNED BY
SGWALKER
DATE
01/18/07
APPROVED BY
DATE
SCALE

RR CROSSING HURON RD
F0r: HURON RD OMER RELOCATE
RR CROSSING RELOCATE PRIMARY
ARENAC
SUBSTATION
BESSINGER
CIRCUIT
QUARRY

UTIL. TYPE	064402	REQUEST NO.	03045561
CATEGORY	EO	TYPE	OHLN
WORK ORDER	RLOC		06606555
CAD FILE:	06606555.001		

LINE NAME: 5N - #175 TO #1253 (DUQUITE-TWINING)
STRUCTURE #: 221 ORDER: 49

LINE NO/LTR:	5N
STRUCT #:	221
OP VOLTAGE:	138
STNEQ:	2216.36
BACK SPAN:	603.00
DEFLECTION:	
TYPE:	TOWER
TOWER TYPE:	KK71
TOWER EXT:	

STRUCTURE

DWG SHT LTR FIG REV COMMENTS

ANCHOR SPECIAL CONST:

ANCHOR BRACKET 1:

ANCHOR BRACKET 2:

REMARKS:

GUYING:

CONDUCTORS

LINE 5N

TYPE:

DES VOLTAGE: 138

DRAWINGS: NUM SHT LTR FIG REV

SPACER RMKS:

REMARKS

5N: SUSP.

ELEVATIONS

GROUNDLINE:

SETTING:

CENTERLINE:

CON LIST

DWG	SHT	LTR	FIG	REV
T13801105	7			

GROUND WIRE

LINE 5N

TYPE: 5/16 GALV STEEL

DRAWINGS: NUM SHT LTR FIG REV

ASSY: MZ0002722 1

SAG: MZ0001114

REMARKS

5N: SAG NOTE: FROM 175 (2459.17) TO 284 (1900.42) SAG 5/16" STEEL GRD WIRE PER MZ0001114, 500'RS, 2516#MT. INSTALL KV-93 GW PEAK PER ZM-550 (0-00' - 2 1/2'). SUSP.

GENERAL REMARKS

LOCATION

PROP OWNER: CP CO

PARCEL NO:

REMARKS: 82'E OF CL D&MRR, 40' W OF CL ALMEDA TWINING 46KV LINE

RIGHT-OF-WAY:

COUNTY: ARENAC

TOWNSHIP: ARENAC

TOWN/RANGE: T19N,R05E

SECTION: 14

REVISION

LETTER: B

GWO:

RS NO:

NOTES: CORRECTED LINE NAMES IN LINE LOCATION & REMARKS FOR RECORD (RLM) LHW

REV DESIGNER:

REV ENGINEER:

REVISION DATE: 6/8/1977

DESIGNER: BJC

ENGINEER: WAC

ENGINEER DATE: 9/22/1964

DIVISION HEAD: PAMULHEARN

DEPT HEAD:

LINE NO/LTR:	5N
STR ORDER:	49
STRUCT #:	221

LINE NAME: 5N - #175 TO #1253 (DUQUITE-TWINING)
STRUCTURE #: 222 ORDER: 50

LINE NO/LTR:	5N
STRUCT #:	222
OP VOLTAGE:	138
STNEQ:	2210.87
BACK SPAN:	549.00
DEFLECTION:	
TYPE:	TOWER
TOWER TYPE:	KK71
TOWER EXT:	

STRUCTURE

DWG SHT LTR FIG REV COMMENTS

ANCHOR SPECIAL CONST:

ANCHOR BRACKET 1:

ANCHOR BRACKET 2:

REMARKS:

GUYING:

CONDUCTORS

LINE 5N

TYPE:

DES VOLTAGE: 138

DRAWINGS: NUM SHT LTR FIG REV

SPACER RMKS:

REMARKS

5N: SUSP.

ELEVATIONS

GROUNDLINE:

SETTING:

CENTERLINE:

CON LIST

DWG	SHT	LTR	FIG	REV
T13801105	7			

GROUND WIRE

LINE 5N

TYPE: 5/16 GALV STEEL

DRAWINGS: NUM SHT LTR FIG REV

ASSY: MZ0002722 1

SAG: MZ0001114

REMARKS

5N: SAG NOTE: FROM 175 (2459.17) TO 284 (1900.42) SAG 5/16" STEEL GRD WIRE PER MZ0001114, 500'RS, 2516#MT. INSTALL KV-93 GW PEAK PER ZM-550 (0-00' - 2 1/2'). SUSP.

GENERAL REMARKS

LOCATION

PROP OWNER: CP CO

PARCEL NO:

REMARKS: 82'E OF CL D&MRR, 40' W OF CL ALMEDA TWINING 46KV LINE

RIGHT-OF-WAY:

COUNTY: ARENAC

TOWNSHIP: ARENAC

TOWN/RANGE: T19N,R05E

SECTION: 14

REVISION

LETTER: B

GWO:

RS NO:

NOTES: CORRECTED LINE NAMES IN LINE LOCATION & REMARKS FOR RECORD (RLM) LHW

REV DESIGNER:

REV ENGINEER:

REVISION DATE: 6/8/1977

DESIGNER: BJC

ENGINEER: WAC

ENGINEER DATE: 9/22/1984

DIVISION HEAD: PAMULHEARN

DEPT HEAD:

LINE NO/LTR:	5N
STR ORDER:	50
STRUCT #:	222

LINE NAME: 5N -- #175 TO #1253 (DUQUITE-TWINING)
STRUCTURE #: 223 ORDER: 51

LINE NO/LTR:	5N
STRUCT #:	223
OP VOLTAGE:	138
STW/EQ:	2208.13
BACK SPAN:	274.00
DEFLECTION:	
TYPE:	TOWER
TOWER TYPE:	KK71
TOWER EXT:	

STRUCTURE

DWG SHT LTR FIG REV COMMENTS

ANCHOR SPECIAL CONST:

ANCHOR BRACKET 1:

ANCHOR BRACKET 2:

REMARKS:

GUYING:

CONDUCTORS

LINE 5N

TYPE:

DES VOLTAGE: 138

DRAWINGS: NUM SHT LTR FIG REV

SPACER RMKS:

REMARKS

5N: SUSP.

ELEVATIONS

GROUNDLINE:

SETTING:

CENTERLINE:

CON LIST

DWG	SHT	LTR	FIG	REV
T13801105	7			

GROUND WIRE

LINE 5N

TYPE: 5/16 GALV STEEL

DRAWINGS: NUM SHT LTR FIG REV

ASSY: MZ0002722 1

SAG: MZ0001114

REMARKS

5N: SAG NOTE: FROM 175 (2459.17) TO 284 (1900.42) SAG 5/16" STEEL GRD WIRE PER MZ0001114, 500'RS, 2516#MT. INSTALL KV-93 GW PEAK PER ZM-550 (0-00' - 2 1/2'). SUSP.

GENERAL REMARKS

LOCATION

PROP OWNER: CP CO

PARCEL NO:

REMARKS: 62'E OF CL D&MRR, 40' W OF CL ALMEDA TWINING 46KV LINE

RIGHT-OF-WAY:

COUNTY: ARENAC

TOWNSHIP: ARENAC

TOWN/RANGE: T19N,R05E

SECTION: 14

REVISION

LETTER: B

GWO:

RS NO:

NOTES: CORRECTED LINE NAMES IN LINE LOCATION& REMARKS FOR RECORD (RLM) LHW

REV DESIGNER:

REV ENGINEER:

REVISION DATE: 6/6/1977

DESIGNER: BJC

ENGINEER: WAC

ENGINEER DATE: 9/22/1964

DIVISION HEAD: PAMULHEARN

DEPT HEAD:

LINE NO/LTR:	5N
STR ORDER:	51
STRUCT #:	223

LINE NAME: 5N - #175 TO #1253 (DUQUITE-TWINING)
STRUCTURE #: 224 ORDER: 52

LINE NO/LTR:	5N
STRUCT #:	224
OP VOLTAGE:	138
STN/EQ:	2203.13
BACK SPAN:	500.00
DEFLECTION:	
TYPE:	WOOD POLE
POLE HT:	80
POLE CLASS:	2
CONST TYPE:	

STRUCTURE

DWG SHT LTR FIG REV COMMENTS
MZ0002044

REMARKS: TANG. INSTALL 80'3 TANG. AS INDICATED . MIN GLC TO BE 55-3/4"

GUYING:

CONDUCTORS

LINE 5N

TYPE:
DES VOLTAGE: 138
DRAWINGS: NUM SHT LTR FIG REV

SPACER RMKS:

REMARKS

5N:

ELEVATIONS

GROUNDLINE:
SETTING:
CENTERLINE:

FRAMING

DWG	SHT	LTR	FIG	REV
MZ0000909			22	

CON LIST

DWG	SHT	LTR	FIG	REV
T13801105	7			

GROUND WIRE

LINE 5N

TYPE: 5/16 GALV STEEL
DRAWINGS: NUM SHT LTR FIG REV
ASSY: MZ0002722 1
SAG: MZ0001114

REMARKS

5N: SAG NOTE: FROM 175 (2459.17) TO 284 (1900.42) SAG 5/16" STEEL GRD WIRE PER MZ0001114, 500'RS, 2516#MT.

GENERAL REMARKS

2207.84 - P/L FENCE
2206.38 - CL D&MRR SIDING (1 TRACK)
2205.60 - P/L FENCE

LOCATION

PROP OWNER: CP CO
PARCEL NO:
REMARKS: 62'E OF CL D&MRR, 40' W OF CL ALMEDA TWINING 46KV LINE

RIGHT-OF-WAY:
COUNTY: ARENAC
TOWNSHIP: ARENAC
TOWN/RANGE: T19N,R05E
SECTION: 14

REVISION

LETTER: B
GWO:
RS NO:
NOTES: CORRECTED LINE NAMES IN LINE LOCATION& REMARKS FOR RECORD {RLM}

REV DESIGNER:
REV ENGINEER:
REVISION DATE: 6/6/1977
DESIGNER: BJC
ENGINEER: WAC
ENGINEER DATE: 9/22/1964

DIVISION HEAD: PAMULHEARN
DEPT HEAD:

LINE NO/LTR:	5N
STR ORDER:	52
STRUCT #:	224

LINE NAME: 5N -- #175 TO #1253 (DUQUITE-TWINING)
STRUCTURE #: 226 ORDER: 53

LINE NO/LTR:	5N
STRUCT #:	226
OP VOLTAGE:	138
STN/EQ:	2198.12
BACK SPAN:	501.00
DEFLECTION:	
TYPE:	TOWER
TOWER TYPE:	LD34
TOWER EXT:	

STRUCTURE

DWG SHT LTR FIG REV COMMENTS

ANCHOR SPECIAL CONST:

ANCHOR BRACKET 1:

ANCHOR BRACKET 2:

REMARKS:

GUYING:

CONDUCTORS

LINE 5N

TYPE:

DES VOLTAGE: 138

DRAWINGS: NUM SHT LTR FIG REV

SPACER RMKS:

REMARKS

5N: SUSP.

ELEVATIONS

GROUNDLINE:

SETTING:

CENTERLINE:

CON LIST

DWG	SHT	LTR	FIG	REV
T13801105	8			

GROUND WIRE

LINE 5N

TYPE: 5/16 GALV STEEL

DRAWINGS: NUM SHT LTR FIG REV

ASSY: MZ0002722 1

SAG: MZ0001114

REMARKS

5N: SAG NOTE: FROM 175 (2459.17) TO 284 (1900.42) SAG 5/16" STEEL GRD WIRE PER MZ0001114, 500'RS, 2516#MT. INSTALL KV-93 GW PEAK PER ZM-550 (0-00' - 2 1/2'). SUSP.

GENERAL REMARKS

REMOVE TRANSPOSITION & OLD TOWER #1224 (KK-71)
STA 2044.87

LOCATION

PROP OWNER: CP CO

PARCEL NO:

REMARKS: VILLAGE OF OMER

RIGHT-OF-WAY:

COUNTY:

TOWNSHIP:

TOWN/RANGE:

SECTION: 0

REVISION

LETTER: B

GWO:

RS NO:

NOTES: CORRECTED LINE NAME IN REMARKS FOR RECORD
{RLM}
LHW

REV DESIGNER:

REV ENGINEER:

REVISION DATE: 6/6/1977

DESIGNER: BJC

ENGINEER: WAC

ENGINEER DATE: 9/14/1964

DIVISION HEAD: PAMULHEARN

DEPT HEAD:

LINE NO/LTR:	5N
STR ORDER:	53
STRUCT #:	226

LINE NAME: 5N -- #175 TO #1253 (DUQUITE-TWINING)
STRUCTURE #: 227 ORDER: 54

LINE NO/LTR:	5N
STRUCT #:	227
OP VOLTAGE:	138
STN/EQ:	2194.06
BACK SPAN:	406.00
DEFLECTION:	
TYPE:	TOWER
TOWER TYPE:	KR54
TOWER EXT:	

STRUCTURE

DWG SHT LTR FIG REV COMMENTS

ANCHOR SPECIAL CONST:

ANCHOR BRACKET 1:

ANCHOR BRACKET 2:

REMARKS: MA-23

GUYING:

CONDUCTORS

LINE 5N

TYPE:

DES VOLTAGE: 138

DRAWINGS: NUM SHT LTR FIG REV

SPACER RMKS:

REMARKS

5N: ALL DE & JS

ELEVATIONS

GROUNDLINE:

SETTING:

CENTERLINE:

CON LIST

DWG	SHT	LTR	FIG	REV
T13801105	8			

GROUND WIRE

LINE 5N

TYPE: 5/16 GALV STEEL

DRAWINGS: NUM SHT LTR FIG REV

ASSY: MZ0002722 1

SAG: MZ0001114

REMARKS

5N: SAG NOTE: FROM 175 (2459.17) TO 284 (1900.42) SAG 5/16" STEEL GRD WIRE PER MZ0001114, 500'RS, 2516#MT. INSTALL GW ON EXISTING PEAK. SUSP.

GENERAL REMARKS

2197.83 - DISTRIBUTION SECONDARY
2197.57 - CL M-23 (BLACKTOP)
2197.29 - TEL CABLE & OPEN WIRE

LOCATION

PROP OWNER: CP CO

PARCEL NO:

REMARKS: VILLAGE OF OMER

RIGHT-OF-WAY:

COUNTY:

TOWNSHIP:

TOWN/RANGE:

SECTION: 0

REVISION

LETTER: B

GWO:

RS NO:

NOTES: CORRECTED LINE NAME IN REMARKS FOR RECORD
{RLM}
LHW

REV DESIGNER:

REV ENGINEER:

REVISION DATE: 6/6/1977

DESIGNER: BJC

ENGINEER: WAC

ENGINEER DATE: 9/14/1964

DIVISION HEAD: PAMULHEARN

DEPT HEAD:

LINE NO/LTR:	5N
STR ORDER:	54
STRUCT #:	227

LINE NAME: 5N - #175 TO #1253 (DUQUITE-TWINING)

STRUCTURE #: 228

ORDER: 55

LINE NO/LTR:	5N
STRUCT #:	228
OP VOLTAGE:	138
STNEQ:	2190.64
BACK SPAN:	342.00
DEFLECTION:	
TYPE:	TOWER
TOWER TYPE:	KK71
TOWER EXT:	

STRUCTURE

DWG SHT LTR FIG REV COMMENTS

ANCHOR SPECIAL CONST:

ANCHOR BRACKET 1:

ANCHOR BRACKET 2:

REMARKS:

GUYING:

CONDUCTORS

LINE 5N

TYPE:

DES VOLTAGE: 138

DRAWINGS: NUM SHT LTR FIG REV

SPACER RMKS:

REMARKS

5N: SUSP.

ELEVATIONS

GROUNDLINE:

SETTING:

CENTERLINE:

CON LIST

DWG	SHT	LTR	FIG	REV
T13801105	8			

GROUND WIRE

LINE 5N

TYPE: 5/16 GALV STEEL

DRAWINGS: NUM SHT LTR FIG REV

ASSY: MZ0002722 1

SAG: MZ0001114

REMARKS

5N: SAG NOTE: FROM 175 (2459.17) TO 284 (1900.42) SAG 5/16" STEEL GRD WIRE PER MZ0001114, 500'RS, 2516#MT. INSTALL KV-93 GW PEAK PER ZM-550 (0-00' - 2 1/2'). SUSP.

GENERAL REMARKS

LOCATION

PROP OWNER: CP CO

PARCEL NO:

REMARKS: VILLAGE OF OMER

RIGHT-OF-WAY:

COUNTY:

TOWNSHIP:

TOWN/RANGE:

SECTION: 0

REVISION

LETTER: B

GWO:

RS NO:

NOTES: CORRECTED LINE NAME IN REMARKS FOR RECORD (RLM) LHW

REV DESIGNER:

REV ENGINEER:

REVISION DATE: 6/6/1977

DESIGNER: BJC

ENGINEER: WAC

ENGINEER DATE: 9/14/1984

DIVISION HEAD: PAMULHEARN

DEPT HEAD:

LINE NO/LTR:	5N
STR ORDER:	55
STRUCT #:	228

LINE NAME: 5N - #175 TO #1253 (DUQUITE-TWINING)

STRUCTURE #: 229

ORDER: 56

LINE NO/LTR:	5N
STRUCT #:	229
OP VOLTAGE:	138
STNEQ:	2186.53
BACK SPAN:	411.00
TYPE:	MULTI POLE
CONST TYPE:	HF

STRUCTURE

DWG MZ0002722 SHT LTR FIG REV COMMENTS

REMARKS:

TYPE	HEIGHT	CLASS	DEFLECT.	G/L ELEV	SET ELEV	C/L ELEV	GUYING
WOOD	80	2					
WOOD	80	2					

CONDUCTORS

LINE 5N

TYPE:
DES VOLTAGE: 138
DRAWINGS: NUM SHT LTR FIG REV

SPACER RMKS:

REMARKS

5N:

CON LIST

DWG T13801105 SHT 8 LTR FIG REV

GROUND WIRE

LINE 5N

TYPE: 5/16 GALV STEEL
DRAWINGS: NUM SHT LTR FIG REV
ASSY: MZ0002722 1
SAG: MZ0001114

REMARKS

5N: SAG NOTE: FROM 175 (2459.17) TO 284 (1900.42) SAG 5/16" STEEL GRD WIRE PER MZ0001114, 500'RS, 2516#MT. INSTALL GW EXTENSION TO E'LY POLE TO CONFORM TO MZ-F647A

GENERAL REMARKS

2189.27 - E&W FENCE

LOCATION

PROP OWNER:
PARCEL NO:
REMARKS:

RIGHT-OF-WAY:
COUNTY:
TOWNSHIP:
TOWN/RANGE:
SECTION: 0

REVISION

LETTER: B
GWO:
RS NO:
NOTES: CORRECTED LINE NAME IN REMARKS FOR RECORD (RLM) LHW

REV DESIGNER:
REV ENGINEER:
REVISION DATE: 6/6/1977
DESIGNER: BJC
ENGINEER: WAC
ENGINEER DATE: 9/14/1964

DIVISION HEAD: PAMULHEARN
DEPT HEAD:

LINE NO/LTR:	5N
STR ORDER:	56
STRUCT #:	229

LINE NAME: 5N - #175 TO #1253 (DUQUITE-TWINING)

STRUCTURE #: 230

ORDER: 57

LINE NO/LTR:	5N
STRUCT #:	230
OP VOLTAGE:	138
STN/EQ:	2182.93
BACK SPAN:	360.00
DEFLECTION:	
TYPE:	TOWER
TOWER TYPE:	KK71
TOWER EXT:	

STRUCTURE

DWG SHT LTR FIG REV COMMENTS

ANCHOR SPECIAL CONST:

ANCHOR BRACKET 1:

ANCHOR BRACKET 2:

REMARKS:

GUYING:

CONDUCTORS

LINE 5N

TYPE:

DES VOLTAGE: 138

DRAWINGS: NUM SHT LTR FIG REV

SPACER RMKS:

REMARKS

5N: SUSP.

ELEVATIONS

GROUNDLINE:

SETTING:

CENTERLINE:

CON LIST

DWG	SHT	LTR	FIG	REV
T13801105	8			

GROUND WIRE

LINE 5N

TYPE: 5/16 GALV STEEL

DRAWINGS: NUM SHT LTR FIG REV

ASSY: MZ0002722 1

SAG: MZ0001114

REMARKS

5N: SAG NOTE: FROM 175 (2459.17) TO 284 (1900.42) SAG 5/16" STEEL GRD WIRE PER MZ0001114, 500'RS, 2516#MT. INSTALL KV-93 GW PEAK PER ZM-550 (0-00' - 2 1/2'). SUSP.

GENERAL REMARKS

2186.88 - CL ALMEDA TWINING 46 KV LINE

LOCATION

PROP OWNER: CP CO

PARCEL NO:

REMARKS: VILLAGE OF OMER
62' W OF CL D&MRR

RIGHT-OF-WAY:

COUNTY:

TOWNSHIP:

TOWN/RANGE:

SECTION: 0

REVISION

LETTER: B

GWO:

RS NO:

NOTES: CORRECTED LINE NAME IN REMARKS FOR RECORD
{RLM}
LHW

REV DESIGNER:

REV ENGINEER:

REVISION DATE: 6/6/1977

DESIGNER: BJC

ENGINEER: WAC

ENGINEER DATE: 9/14/1984

DIVISION HEAD: PAMULHEARN

DEPT HEAD:

LINE NO/LTR:	5N
STR ORDER:	57
STRUCT #:	230