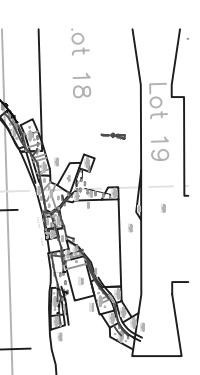


POLE 23
N22
REPLACE POLE W/ 45/4
(MOVE POLE TOWARD
FIELD), RELOCATE SL TO
NEW POLE;

C1A, G136-25, E1-3,
F1-4P, M2-11, REDUCED
TENSION SEC TO POLE 24,

J6 TO EAST 1/0, J6 TO
NW #2, (2) K11, SWING
SVC TO NEW POLE



POLE 22 (NEW) N22
MARKS EDGE OF ROAD-
INSTALL POLE TOWARD
RIVER AND TOWARD
SCHOOL; 40/4, C7-1,
C7-1, A7, J6, (2) F1-4P,
M2-11, (2) E1-3, J6, (3)
K11 (SWING EXISTING
SVCS)

POLE 21
RETIRED POLE, SEC,
SWING SVCS TO NEW
POLE

POLE 19
RETIRED OUTLET & SEC;
NEW J6/J6X, GSLB, TRIM SL BOLT

POLE 20
RETIRED SEC/GUY, ADD E1-3, GSLB,
M2-11, TRIM SL BOLT

POLE 17
REPLACE POLE W/ 40/4; RETIRE SEC, SPAN GUY, DOWN
GUYS, OUTLET; RELOCATE SL TO NEW POLE;

NEW A7-1, A7, M2-11, G106-10, J6/1/0 TO 22, BEGIN
E2-3 TO POLE 18, J6/#4 TRI TO 19, (2) E1-3 (1 FOR
TELE), GSLB, REINSTALL SL; REDUCE TENSION TO POLE 21

POLE 18
RETIRED SEC/GUYS, ADD (2) E1-3, 2
J6/#4 TRI, M2-11, (1) E2-3 TO
POLE 17

POLE 15
REPLACE POLE W/ 40/4;
FRAME A9-1,
ADD SPLIT BOLT
ROTATE POLE; RETIRE SEC, FRAME A8
POLE 16
REPLACE POLE W/ 40/4
FRAME A9

POLE 14

POLE 13
REPLACE POLE W/ 45/4;
NEW A9-1, G106-10, M2-11, #4 TRI, K11;
RESOURCE WEATHERHEAD TO BLDG.

ANCESA 14(c)
Plot No. 90-2

POLE 12
RETIRED SEC & ELEC GUYS,
ADD A9, (1) E1-3, M2-11

ANCESA 14(c)
Plot No. 90-2

POLE 11
100 (NEW), 30/6, J6, K11

ANCESA 14(c)
Plot No. 90-2

POLE 10
100 (NEW), 35/5, J6, J6

ANCESA 14(c)
Plot No. 90-2

POLE 9 (NEW)

SEC POLE 35/5

J6, J6, (2) K11, SL (FROM POLE

8), M2-11, E1-3, F1-4P

POLE 8, RETIRE;
RELOCATE SL TO POLE 9

POLE 7
REPLACE POLE W/ 40/4;
A9, M2-11, J6/J6,
RETIRE ALL SECONDARY,
INCLUDING ACROSS ROAD

POLE 6
REPLACE POLE W/ 40/4;
A9, E1-3, BISECTOR, J6 (#4 TRI), GROUND SL

BRACKET (GSLB RESOURCE SL FROM POLE 5

40/4, AS
RISER, UM2,

M2-11

POLE 5
REPLACE POLE W/ 40/4;
RETIRE XFMR, ALL SECONDARY, K11,
E1-3, M2-11;

NEW J6, F1-4P (CROSSING ROAD), (2)

E3-10, E1-3, F1-4P, #4 TRI FROM

POLE 4 TO POLE 5 TO POLE 6.

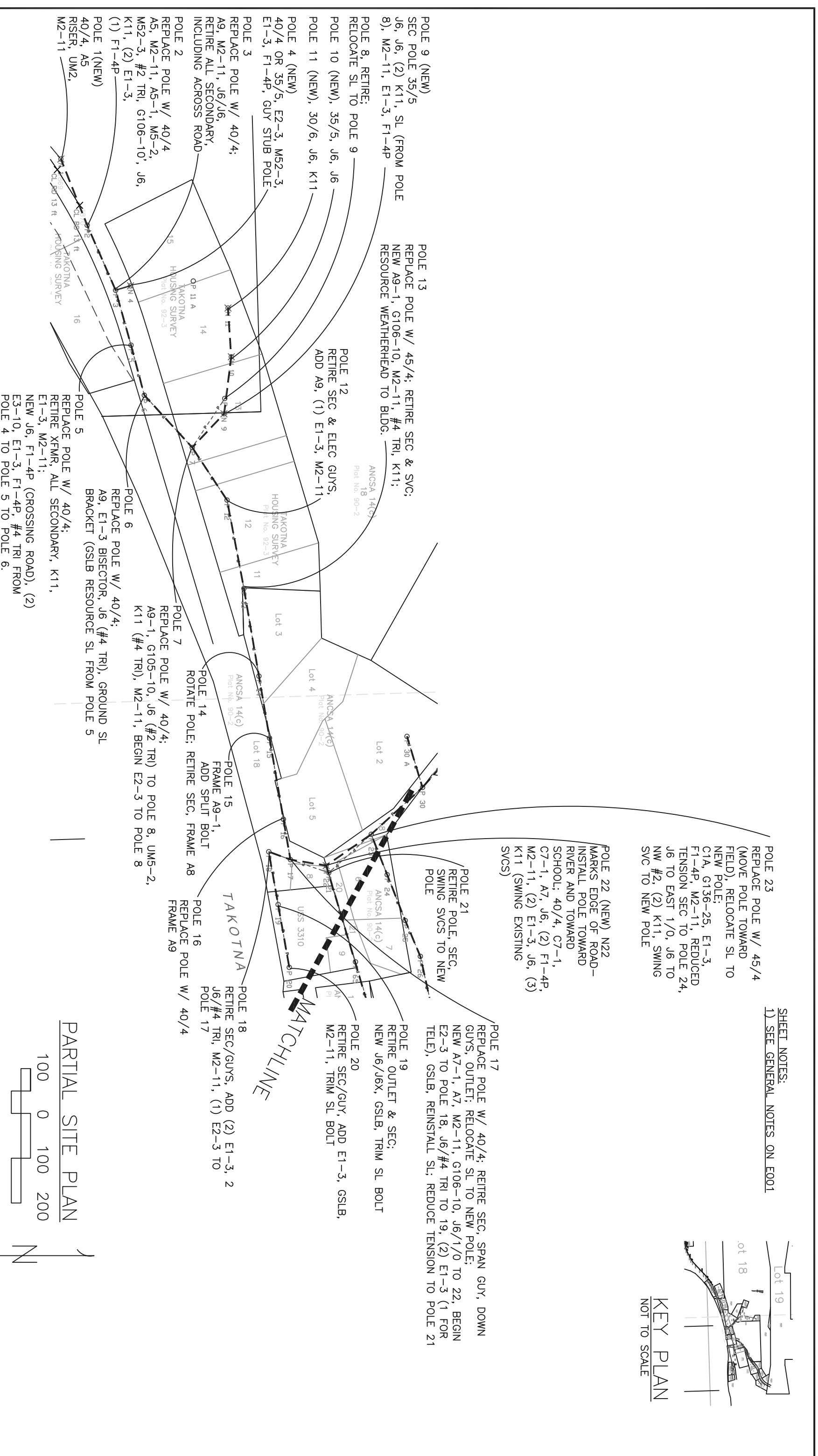
POLE 23
N22
REPLACE POLE W/ 45/4
(MOVE POLE TOWARD
FIELD), RELOCATE SL TO
NEW POLE;

C1A, G136-25, E1-3,
F1-4P, M2-11, REDUCED
TENSION SEC TO POLE 24,

J6 TO EAST 1/0, J6 TO
NW #2, (2) K11, SWING
SVC TO NEW POLE

SHEET NOTES:
1) SEE GENERAL NOTES ON E001

KEY PLAN
NOT TO SCALE



SHEET NOTES:
1) SEE GENERAL NOTES ON E001

KEY PLAN
NOT TO SCALE

POLE 38
RETIRE POLE, METER BASE ON POLE, AND SVC DROP
POLE 35
RETIRE SVC TO SVC POLE 38; RETIRE SEC TO OLD
POLE 34, ADD SEC TO NEW POLE 34, J6/1/0

POLE 40
RETIRE SEC/SVC; ADD J6 #4 FROM POLE 39
POLE 39 (NEW)
45/4, C7-1, (2) E1-3, (2) F1-4P, M2-11, G136-10, J6 1/0 TO
POLE 37, J6 #4 TO POLE 40

POLE 40
RETIRE SEC/SVC; ADD J6 #4 FROM POLE 39

POLE 37 (NEW)

POLE 39 (NEW)
45/4, C7-1, (2) E1-3, (2) F1-4P, M2-11, G136-10, J6 1/0 TO
POLE 37, J6 #4 TO POLE 40

POLE 36
REPLACE POLE AND SECONDARY FROM POLE 34 AND SECONDARY TO
POLE 40; SWING AND EXTEND SVC TO LODGE TO NEW POLE 37

POLE 34
REPLACE POLE W/ 45/4; RETIRE SEC, GUY & XFMR; RETIRE SVC TO OLD
POWER HOUSE; J6, J6, SWING SECONDARY FROM POLE 35 TO POLE, SWING
WASHETRIA SVC TO NEW POLE, SWING LIGHT SVC TO NEW POLE, E1-3

POLE 33
REPLACE POLE W/ 35/5 OR 35/6, J6 #4, K11 #4,
PROVIDE 20' COIL ON POLE AND SECURE FOR FUTURE SVC
TO OLD POWER PLANT

POLE 32 (CONFIRM NEED)
REPLACE POLE W/ 40/4, PLACE 10' AHEAD OF EXISTING
POLE 32; RETIRE ALL ELEC FROM EXISTING; J6#4, K11 #4

POLE 31
REPLACE POLE W/ 45/4; RETIRE
XFMR & SEC, FRAME C2A, F1-RP,
E1-E, G136-25, J6/1/0 TRI TO
POLE 34, J6 #4 TO POLE 33, J6/#4
TO POLE 32, M2-11

POLE 30
REPLACE POLE W/ 45/4; RETIRE
GUY, FRAME C1A, J6/#2, (2)K11,
SWING EXISTING SVCS, RE-INSTALL
SL, GSLB, IF ANGLE POLE CHANGE
TO C2?, ADD E1-3, F1-4P, M2-11

POLE 26
RETIRE SEC, ADD J6/J6X 1/0
TRI, (1) E1-3 TO EXIST. ANCHOR
(N ANCHOR/SVC GUY), M2-11,
GROUND ALL GUYS

POLE 25
RETIRE SEC, ADD J6, J6 1/0 TRI, (1) K11 (SWING SVC TO
NEW POLE), (2) E1-3 TO EXISTING ANCHOR

POLE 24
RETIRE SEC, STRAIGHTEN POLE,
SWING SVC TO NEW POLE ADD J6/J6X, K11

POLE 23
STRAIGHTEN POLE;
RETIRE SEC, SWING SVC NEW POLE (2) K11, J6/J6X, M2-11, (2)
F1-4P, (2) E1-3, REDUCED TENSION TO POLE 23; FULL TENSION
TO POLE 25

POLE 63
REPLACE POLE W/ 45/4; RETIRE POLE, SEC, GUYS & DANGLING
SVC; RELOCATE SL TO NEW POLE; FRAME C1A; GROUND SL TO
SECONDARY NEUTRAL; ADD J6 #4 TO POLE 58 TO SOURCE SL;
ADD K11-SWING EXISTING SVC TO NEW POLE (SVC TO SOUTH)

POLE 64
REPLACE POLE W/ 40/4; RETIRE SEC, RISER, & BREAKER BOX;
FRAME C1A, J6 \$2 TO POLE 65, K11 SWING EXISTING SVC TO
NEW POLE

POLE 65
REPLACE POLE W/ 40/4; RETIRE
SEC; FRAME C1A; G136-10,
M2-11, J6 #2 TO POLE 64, (2)
K11 SWING EXISTING SVCS TO NEW
POLE, RELOCATE SL TO NEW POLE,
REPLACE SL GLASS, GSLB.

POLE 81
RETIRE SEC & GUY;
NEW SEC, NEW 1/0 TRI, M2-11,
E1-3 TO EXISTING, K11 SWING
EXISTING SVC TO NEW POLE
(EXTEND 1/0 TRI TO POLE 81)

POLES 35A, 35B, 35C (NEW)
35/5 OR 35/6, J6/J6X, 1/0 TRI
(EXTEND 1/0 TRI TO POLE 81)

POLE 31
REPLACE POLE W/ 45/4; RETIRE
XFMR & SEC, FRAME C2A, F1-RP,
E1-E, G136-25, J6/1/0 TRI TO
POLE 34, J6 #4 TO POLE 33, J6/#4
TO POLE 32, M2-11

POLE 28
RETIRE SEC, ADD J6 1/0 TRI, 2 K11 SWING SVC
TO NEW POLE, (1) E1-3 TO EXISTING ANCHOR,
ADD E3-10 TO EXISTING SEC GUY

POLE 29-TELE POLE
POLE 30
RETIRE SEC, ADD J6/J6X 1/0
TRI, (1) E1-3 TO EXIST. ANCHOR
(N ANCHOR/SVC GUY), M2-11,
GROUND ALL GUYS

POLE 27
RETIRE SEC, ADD J6, J6 1/0 TRI, (1) K11 (SWING SVC TO
NEW POLE), (2) E1-3 TO EXISTING ANCHOR

POLE 25
RETIRE SEC, STRAIGHTEN POLE,
SWING SVC TO NEW POLE ADD J6/J6X, K11

POLE 24
STRAIGHTEN POLE;
RETIRE SEC, SWING SVC NEW POLE (2) K11, J6/J6X, M2-11, (2)
F1-4P, (2) E1-3, REDUCED TENSION TO POLE 23; FULL TENSION
TO POLE 25

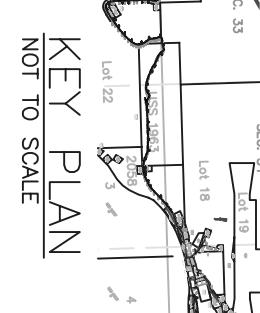
POLE 63
REPLACE POLE W/ 45/4; RETIRE POLE, SEC, GUYS & DANGLING
SVC; RELOCATE SL TO NEW POLE; FRAME C1A; GROUND SL TO
SECONDARY NEUTRAL; ADD J6 #4 TO POLE 58 TO SOURCE SL;
ADD K11-SWING EXISTING SVC TO NEW POLE (SVC TO SOUTH)

POLE 64
REPLACE POLE W/ 40/4; RETIRE SEC, RISER, & BREAKER BOX;
FRAME C1A, J6 \$2 TO POLE 65, K11 SWING EXISTING SVC TO
NEW POLE

POLE 65
REPLACE POLE W/ 40/4; RETIRE
SEC; FRAME C1A; G136-10,
M2-11, J6 #2 TO POLE 64, (2)
K11 SWING EXISTING SVCS TO NEW
POLE, RELOCATE SL TO NEW POLE,
REPLACE SL GLASS, GSLB.

AKOTNA
SURVEY
No. 92-3
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SHEET NOTES:
1) SEE GENERAL NOTES ON E001



KEY PLAN
NOT TO SCALE

POLE 77
RETIRE SEC, A9, M2-11, E1-3 TO
EXISTING ANCHOR; J6 #2 TO POLE 78

POLE 80
RETIRE SEC & K11S,

INSTALL NEW J6/K11X AT 4"-6"

BELLOW GUY (USE EXISTING HOLE,

REATTACH SVC AFTER FLIPPING IT

TO OTHER SIDE OF TELE DROP),

M2-11, BOND ALL GUYS

POLE 75
REPLACE POLE W/ 40/4; RETIRE SEC,
METER; FRAME A9-1, RELOCATE SL TO NEW
POLE, FEED FROM SEC OR XFMR, G105-10.
M2-11, J6 #4 TO POLE 74, J6 #2 TO POLE 76

POLE 79
REPLACE POLE W/ 40/4; RETIRE

SEC; G105-10, M2-11, J6 #2, J6

#2, K11 SWING EXISTING SVC TO

NEW POLE

POLE 74
REPLACE POLE W/ 40/4; RETIRE SEC;
FRAME A9-1, J6 #4 TO POLE 75, K11
SWING EXISTING TO NEW POLE

POLE 73
RETIRE SEC; FRAME A8, E1-3 TO EXISTING

ANCHOR, M2-11, BOND ALL GUYS

POLE 72
RETIRE SEC; ADD A9, E1-E TO EXISTING

ANCHOR, BOND ALL GUYS

POLE 71
RETIRE SEC; FRAME A9, ADD E103 TO EXISTING
ANCHOR, ADD POLE SPLIT BOLT W/ 3"
SQUARE CURVED WASHERS; BOND ALL GUYS

POLE 70
RETIRE SEC; FRAME A9-1 (SMALL ANGLE),
E1-3 TO EXISTING ANCHOR, M2-11,
BOND ALL GUYS

MATCHLINE TO E005

USS 387

USS 4105

USS 2B

TAKOTNA
HOUSING SURVEY
Plot No. 92-3

ANCSA 14(c)

Plot No. 90-02

TAKOTNA
HOUSING SURVEY
Plot No. 97-01

TAKOTNA
HOUSING SURVEY
Plot No. 92-3

ANCSA 14(c)

Plot No. 90-02

POLE 78
RETIRE SEC; FRAME A9, J6 #2, J6
#2, E1-3, F1-4P, M2-11

PARTIAL SITE PLAN

100 0 100 200

N

PROJECT: <u>TAKOTNA DISTRIBUTION UPGRADE</u>		OWNER		CONSULTANT		ENG. STAMP		DRAWING NAME:	
DESIGNER/PROJECT ENGINEER: <u>GE</u>		W.O. #:							
DESIGN/CONSTRUCTION/ASBUILT REVIEW		DRAWN BY/DATE		CHECKED/DATE		APPROVED/DATE			
O ISSUED FOR REVIEW		GE/9-8-09							



Gregory M. Erreco
Reg. No. EE-0279
Electrical Engineer

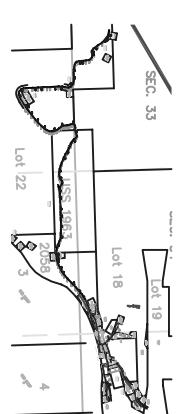
IRRICO
LECTRICAL
ENGINEERING, LLC

PO Box 220471
Anchorage, AK 99222
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Email: erreco@clinet.net

TAKOTNA DISTRIBUTION UPGRADE
LINE UPGRADE
PARTIAL LAYOUT

FILE NAME:
E006
SHEET NO.:
6 OF 13

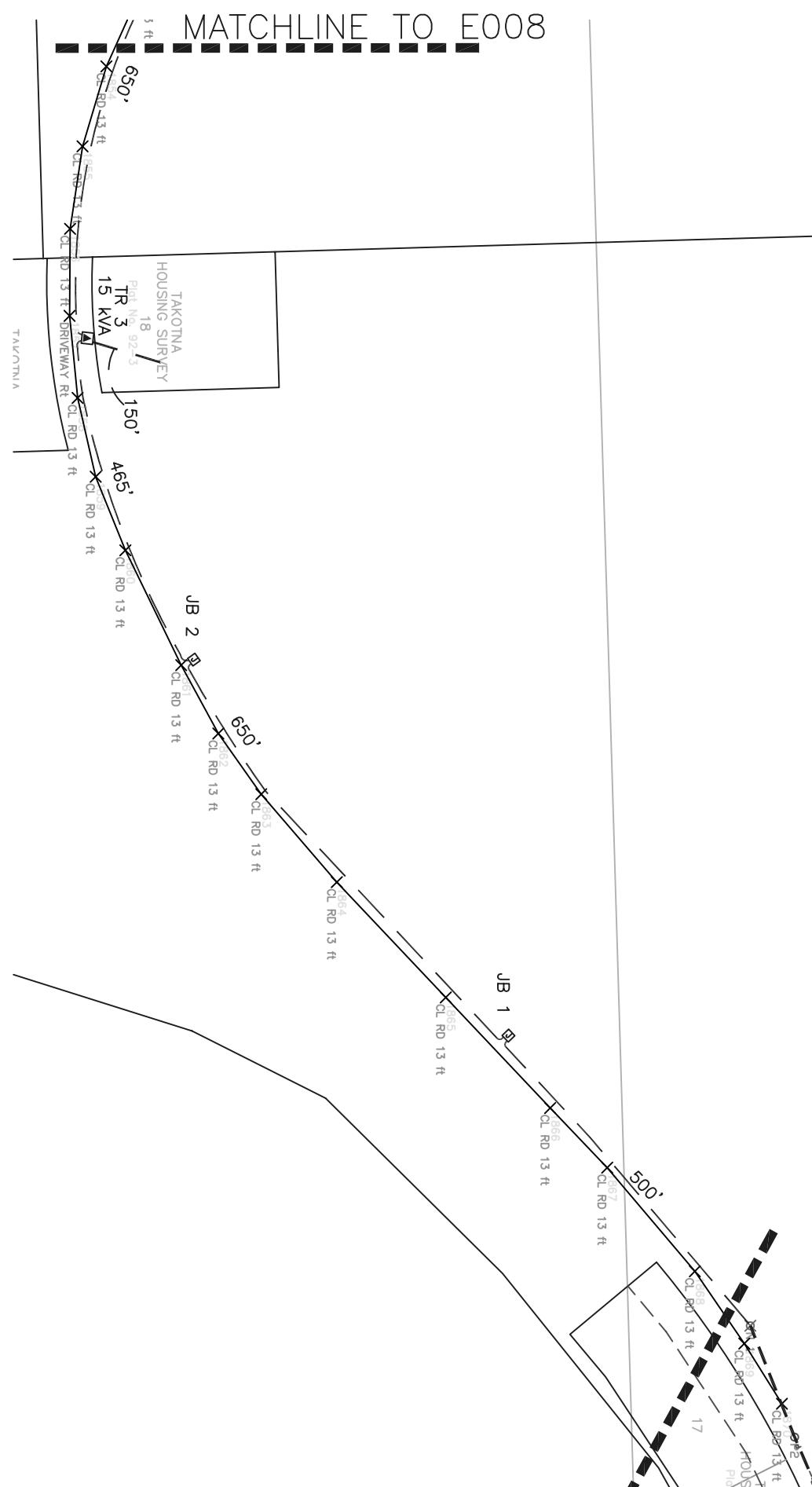
SHEET NOTES:
1) SEE GENERAL NOTES ON E001



KEY PLAN
NOT TO SCALE

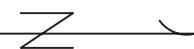
MATCHLINE TO E008

MATCHLINE TO E003



PARTIAL SITE PLAN

100 0 100 200



PROJECT: **TAKOTNA DISTRIBUTION UPGRADE**

DESIGNER/PROJECT ENGINEER: **GE**

DESIGN/CONSTRUCTION/ASBUILT REVISION
NO. **O** ISSUED FOR REVIEW

DATE: **GE/9-8-09**

OWNER

CONSULTANT

ENG. STAMP

DRAWING NAME:
**TAKOTNA DISTRIBUTION UPGRADE
LINE UPGRADE
PARTIAL LAYOUT**

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LECTRICAL
ENGINEERING, LLC

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Anchorage, AK 99222
(907) 345-6168
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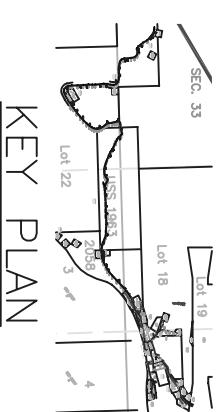
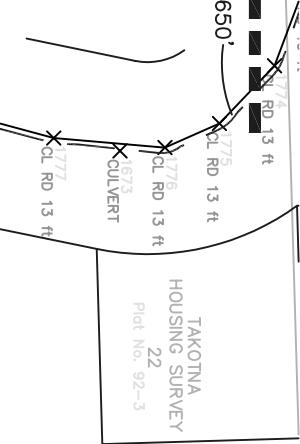


FILE NAME:
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SHEET NO.: **7** OF **13**

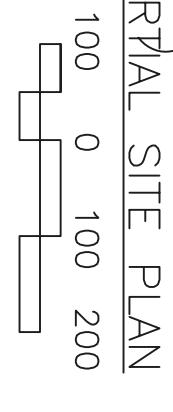
MATCHLINE TO E011

SHEET NOTES:
1) SEE GENERAL NOTES ON E001



KEY PLAN
NOT TO SCALE

PARTIAL SITE PLAN



PROJECT: **TAKOTNA DISTRIBUTION UPGRADE**

DESIGNER/PROJECT ENGINEER: **GE**

DESIGN/CONSTRUCTION/ASBUILT REVISION

W.O. #: **GE/9-8-09**

DIM. BY/DATE: **GE/9-8-09**

CHECKED/DATE: **APPROVED/DATE**

NO. ISSUED FOR REVIEW

JB 16

JB 15

JB 14

JB 13

JB 12

JB 11

JB 10

JB 9

JB 8

JB 7

JB 6

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JB 4

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