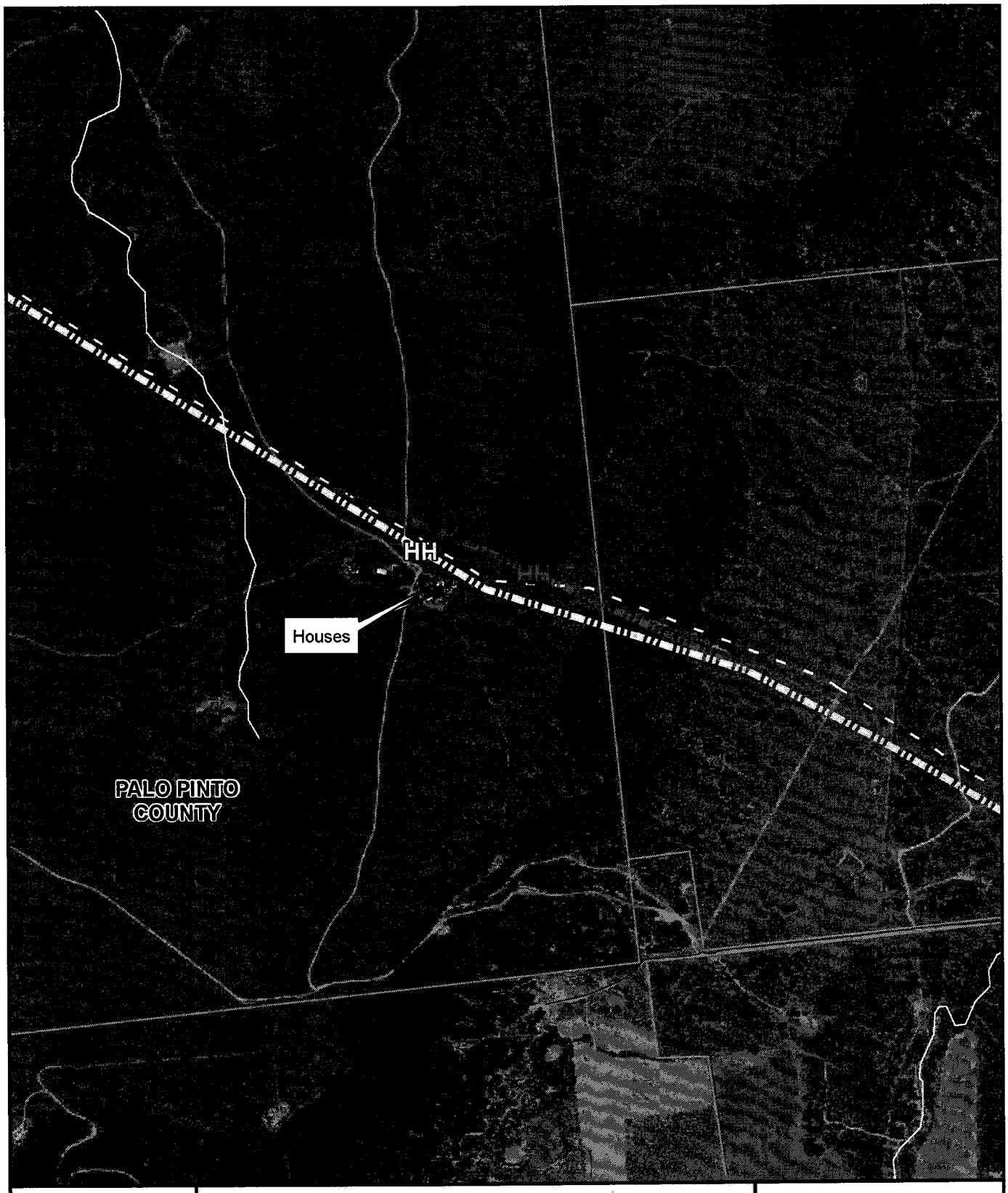

NORTH

0 1,000

Feet

Aerials Flown by SAM Inc. 5/19/09

LEGEND

Preliminary Alternative Routes as shown at Open House Meetings

Adjusted Alternative Route (Following Open House Meetings)

Oil & Gas Pipeline

Apparent Property Boundary

AA Link Identifier

Figure 6-27
Link HH Adjustment
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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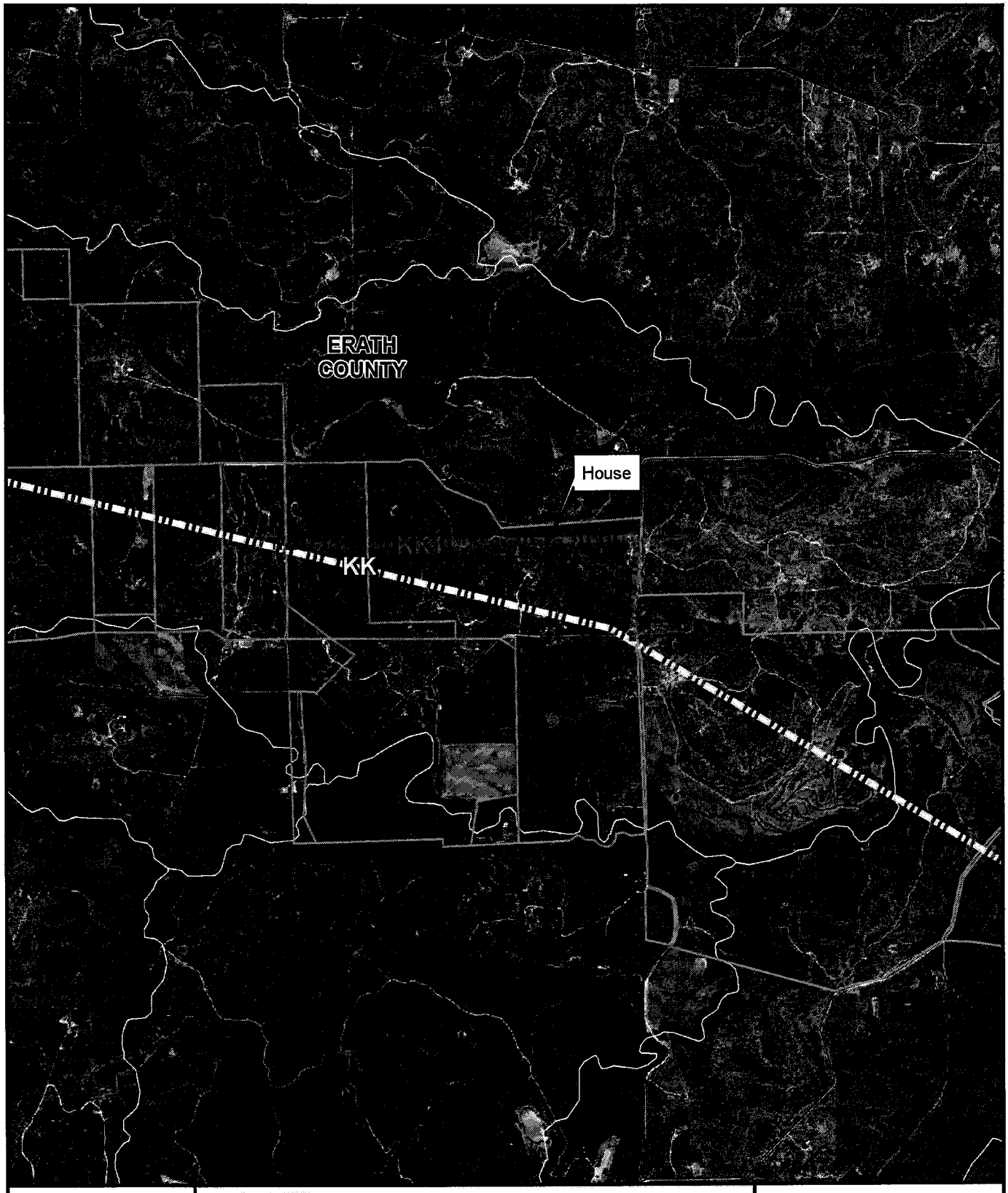

NORTH

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Aerials Flown by SAM Inc 5/19/09

LEGEND

Preliminary Alternative Routes as shown at Open House Meetings

Adjusted Alternative Route (Following Open House Meetings)

Apparent Property Boundary

AA Link Identifier

Figure 6-28
Link KK Adjustment #1
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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NORTH

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Feet

Aerials Flown by SAM Inc 5/19/09

LEGEND

- Preliminary Alternative Routes as shown at Open House Meetings
- Adjusted Alternative Route (Following Open House Meetings)
- Apparent Property Boundary
- AA Link Identifier

Figure 6-29
Link KK Adjustment
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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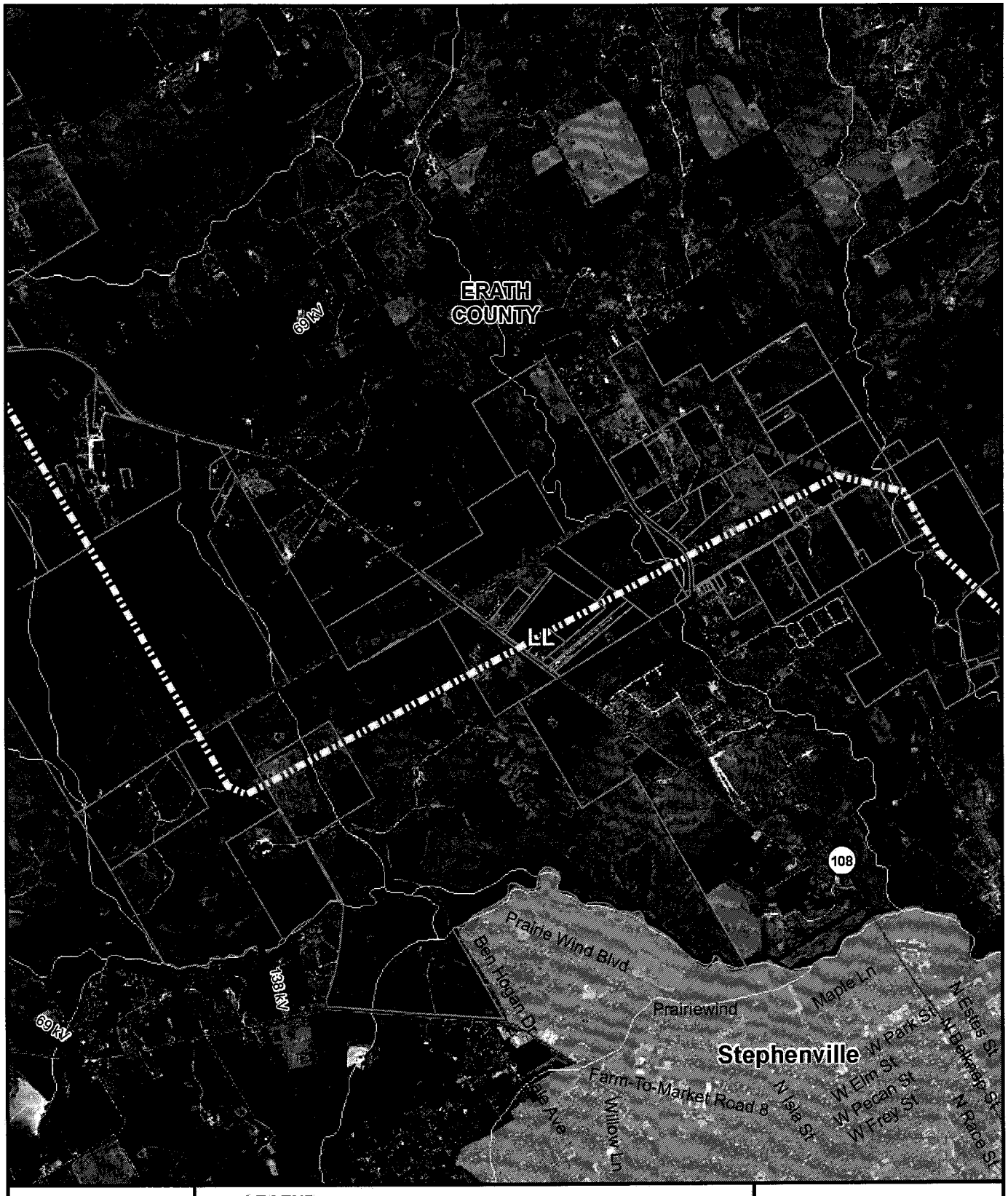

NORTH

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Feet

LEGEND

- Preliminary Alternative Routes as shown at Open House Meetings
- Adjusted Alternative Route (Following Open House Meetings)
- Existing Transmission Line
- Apparent Property Boundary
- A A Link Identifier

Figure 6-30
Link LL Adjustment #1
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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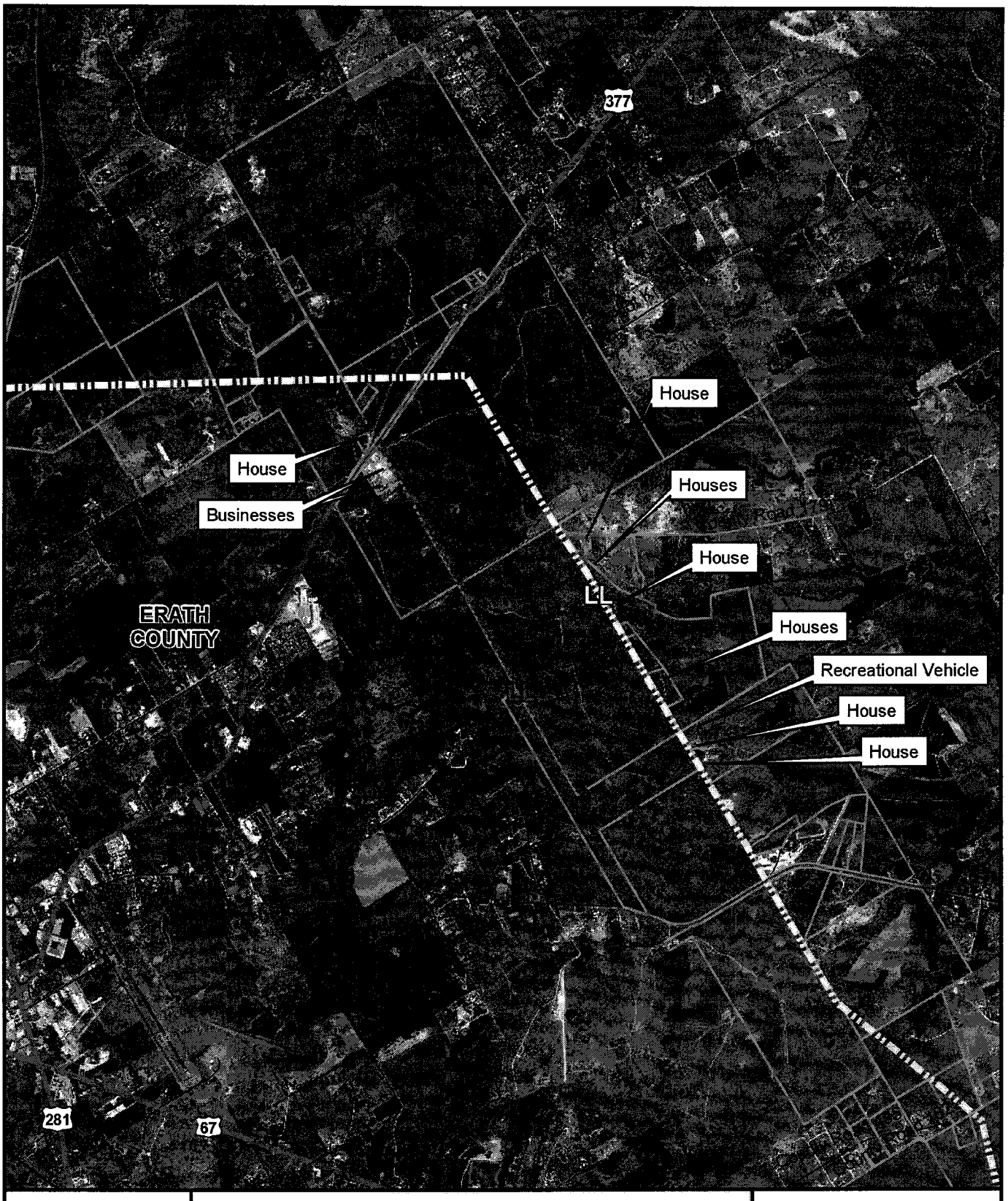

Figure 6-31
Link LL Adjustment #2
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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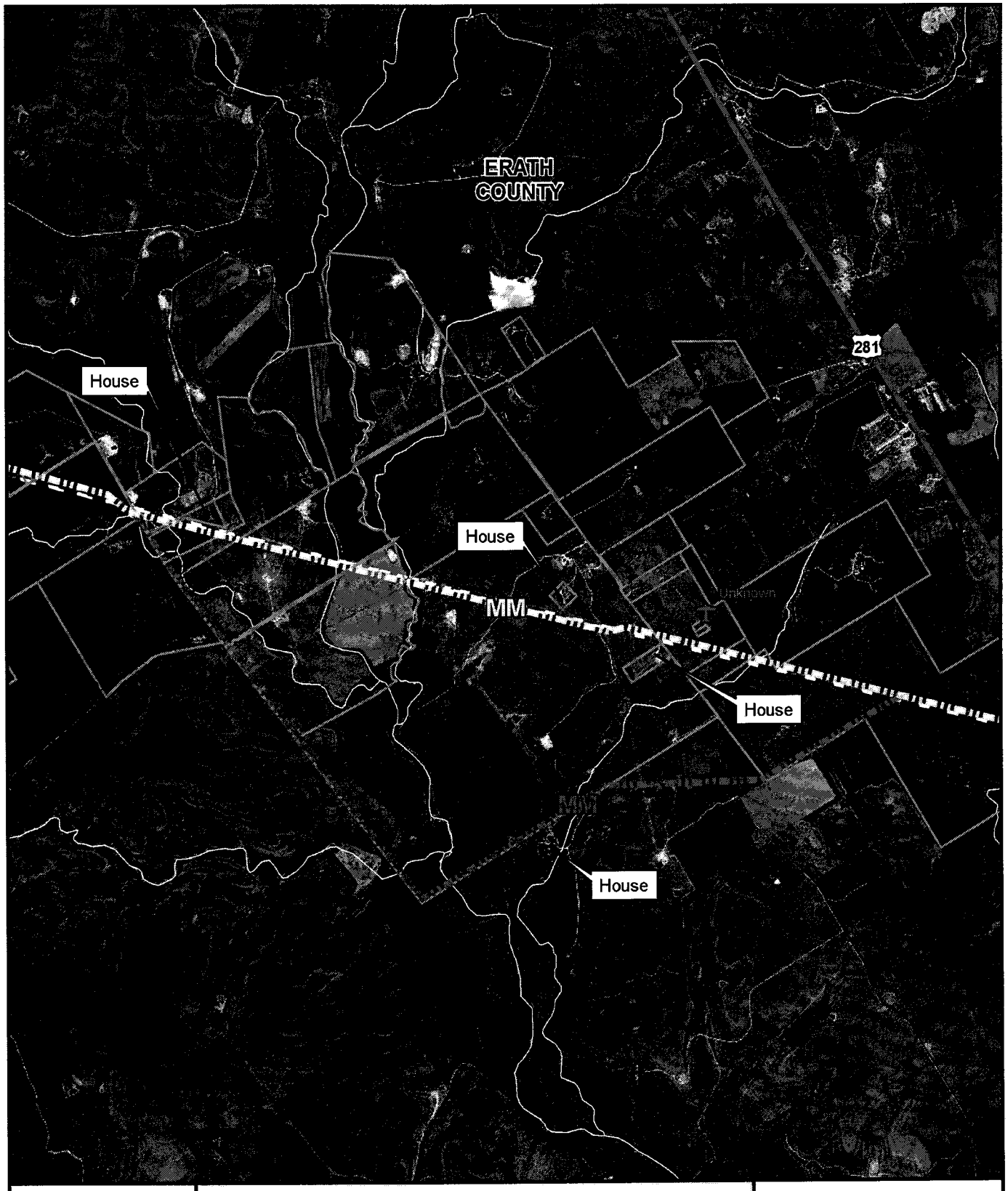

Figure 6-32
Link MM Adjustment #1
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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NORTH

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Feet

Aerials Flown by SAM Inc 5/19/09

LEGEND

Preliminary Alternative Routes as Shown at the Open House Meetings

Adjusted Alternative Route (Following Open House Meetings)

Oil & Gas Pipeline

Apparent Property Boundary

AA Link Identifier

Figure 6-33
Link MM Adjustment #2
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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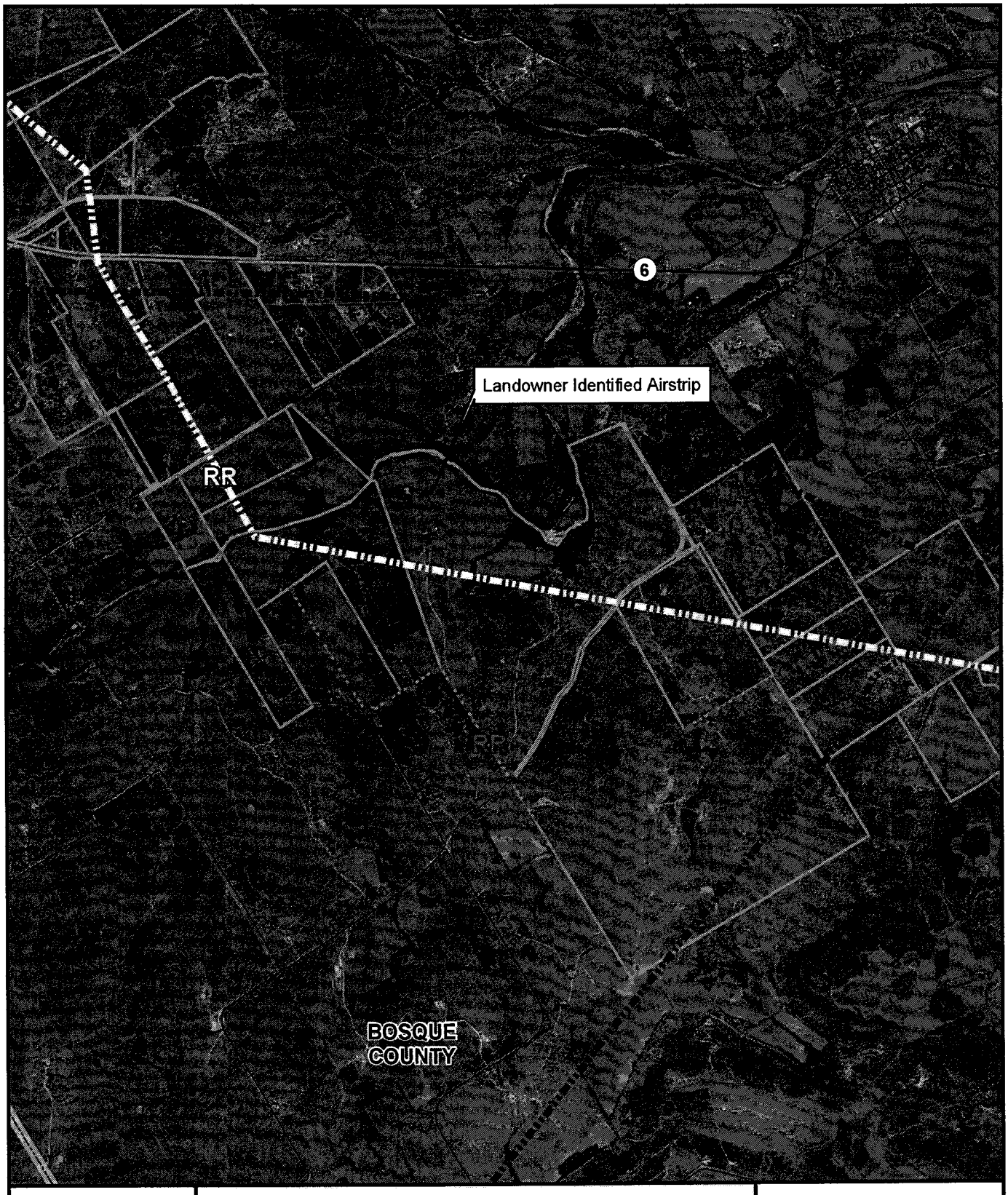

NORTH

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Feet

Aerials Flown by SAM Inc. 5/19/09

LEGEND

Preliminary Alternative Routes as Shown at the Open House Meetings

Adjusted Alternative Route (Following Open House Meetings)

Existing Transmission Line

Apparent Property Boundary

A A Link Identifier

Figure 6-34
Link RR Adjustment #1
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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NORTH

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Feet

Aenals Flown by SAM Inc. 5/19/09

LEGEND

Preliminary Alternative Routes as Shown at the Open House Meetings

Adjusted Alternative Route (Following Open House Meetings)

Apparent Property Boundary

AA Link Identifier

Figure 6-35
Link RR Adjustment #2
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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NORTH

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Feet

Aenals Flown by SAM Inc. 5/19/09

LEGEND

Preliminary Alternative Routes as Shown at the Open House Meetings

Adjusted Alternative Route (Following Open House Meetings)

Apparent Property Boundary

AA Link Identifier

Figure 6-36
Link RR Adjustment #3
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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Link TT was moved away from an existing pipeline corridor to the south to avoid impacting a private airstrip (George Staples airstrip) identified during the open-house meetings. The modification follows apparent property boundaries and county roads around the airstrip, eventually returning to the pipeline corridor (Figure 6-37).

Link UU was moved to the south side of an existing transmission line to further avoid a large outbuilding (Figure 6-38).

Link VV was adjusted at the request of a landowner after the open-house meetings to follow their property boundary, rather than bisecting a portion of the property (Figure 6-39).

Link WW was adjusted to the north to move the preliminary route further from a farmstead that is listed on the NRHP (Figure 6-40).

Link AB was modified in two places. The northernmost adjustment was moved to the north side of an existing pipeline so the route would be further from a house located to the south of the pipeline, and to minimize the number of angles needed to follow the pipeline corridor (Figure 6-41). The second modification was likewise made to increase the distance of the route from a house located on the south side of the pipeline (Figure 6-42).

Link FG was moved to the north side of an apparent property line to further avoid an outbuilding (Figure 6-43).

Link IJ was added in response to comments provided by landowners regarding concerns about certain portions of Link NN and to provide an additional interconnection between the north-central and central alternative routes. Link IJ follows apparent property boundaries and CR 2013 to connect Link NN with Link KK (Figure 6-44).

Links JK and KL (Figure 6-45) and Links LM and MN (Figure 6-46) were added to provide additional options to avoid USACE-owned lands along Link XX by using portions of Link YY (which avoids USACE-owned lands). Based on discussions with the USACE, there are two locations along Link XX where USACE-owned lands are crossed (Link XX2 and Link XX4). Links JK and KL provide alternative options around the USACE-owned lands on Link XX2, while Links LM and MN provide alternative options around the USACE-owned lands on Link XX4.

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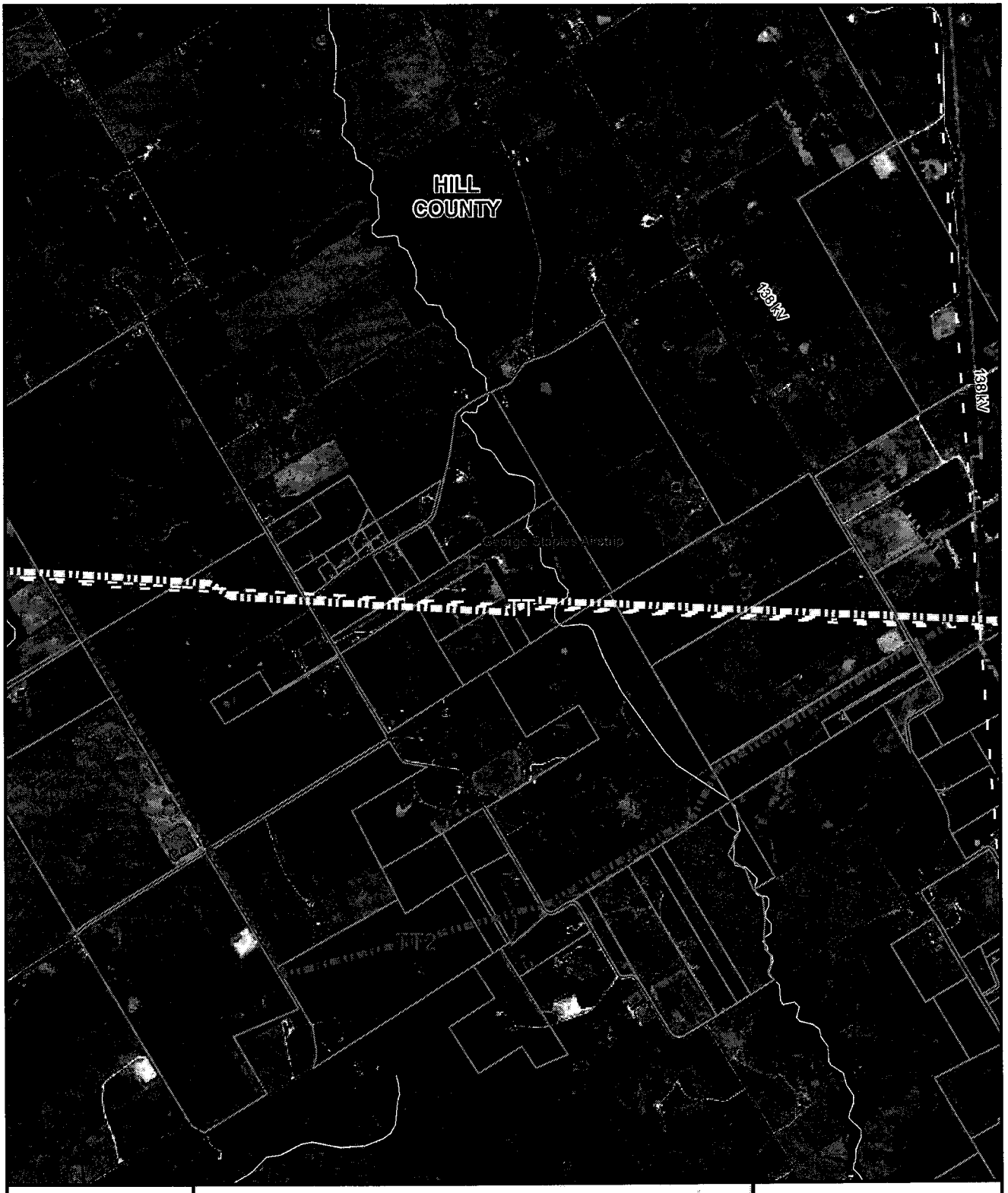

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Aerials Flown by SAM Inc 5/19/09

LEGEND

Preliminary Alternative Routes as Shown at the Open House Meetings

Adjusted Alternative Route (Following Open House Meetings)

Oil & Gas Pipeline

Apparent Property Boundary

AA Link Identifier

Figure 6-37
Link TT Adjustment
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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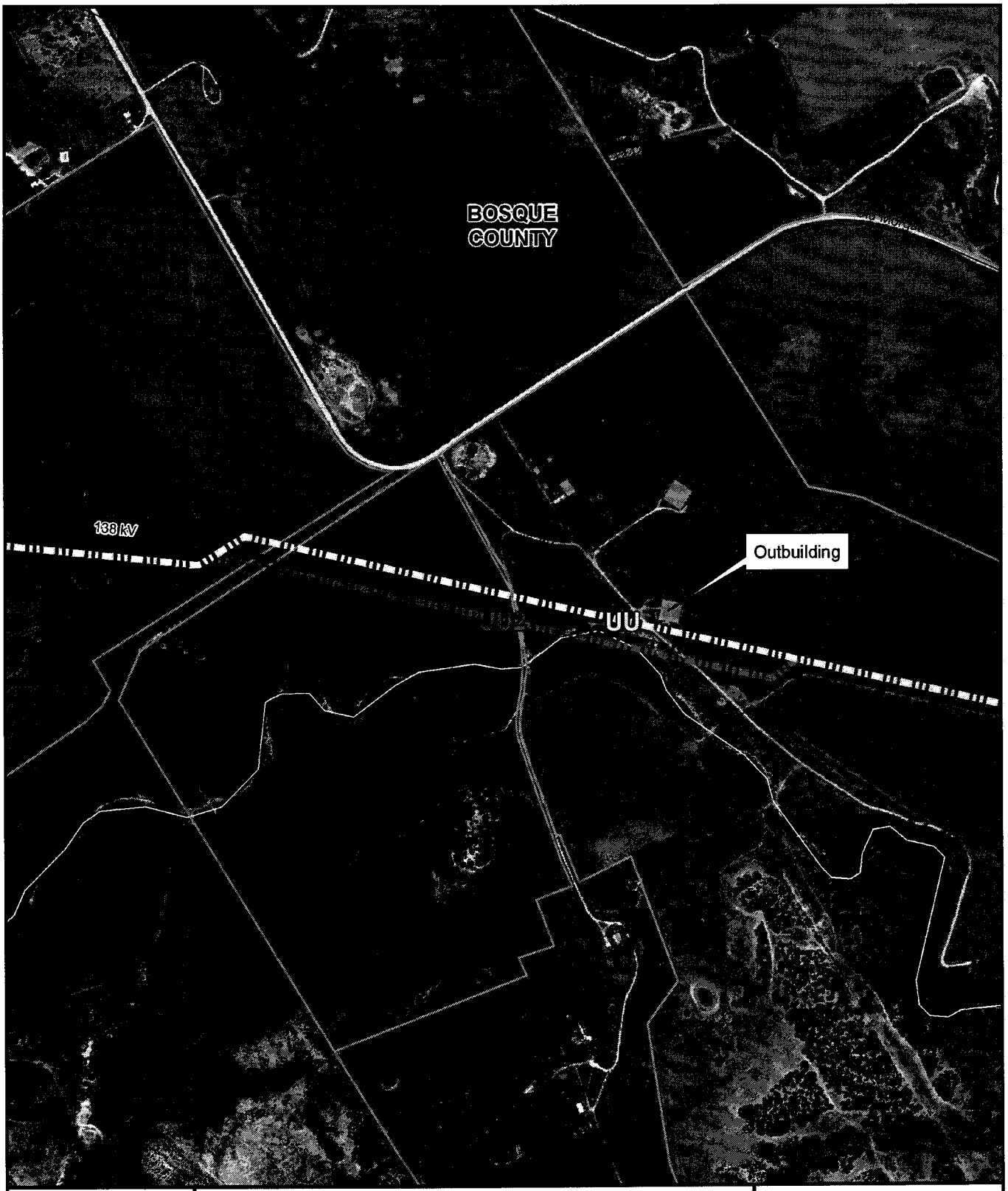

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Feet

Aerials Flown by SAM Inc. 5/19/09

LEGEND

Preliminary Alternative Routes as Shown at the Open House Meetings

Adjusted Alternative Route (Following Open House Meetings)

Existing Transmission Line

Apparent Property Boundary

AA Link Identifier

Figure 6-38
Link UU Adjustment
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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Figure 6-39
Link VV Adjustment
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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NORTH

0 2,000

Feet

Aerials Flown by SAM Inc. 5/19/09

LEGEND

Preliminary Alternative Routes as Shown at the Open House Meetings

Adjusted Alternative Route (Following Open House Meetings)

Apparent Property Boundary

AA Link Identifier

Figure 6-40
Link WW Adjustment
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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NORTH

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Feet

Aerials Flown by SAM Inc 5/19/09

LEGEND

Preliminary Alternative Routes as Shown at the Open House Meetings

Adjusted Alternative Route (Following Open House Meetings)

Oil & Gas Pipeline

Apparent Property Boundary

AA Link Identifier

Figure 6-41
Link AB Adjustment #1
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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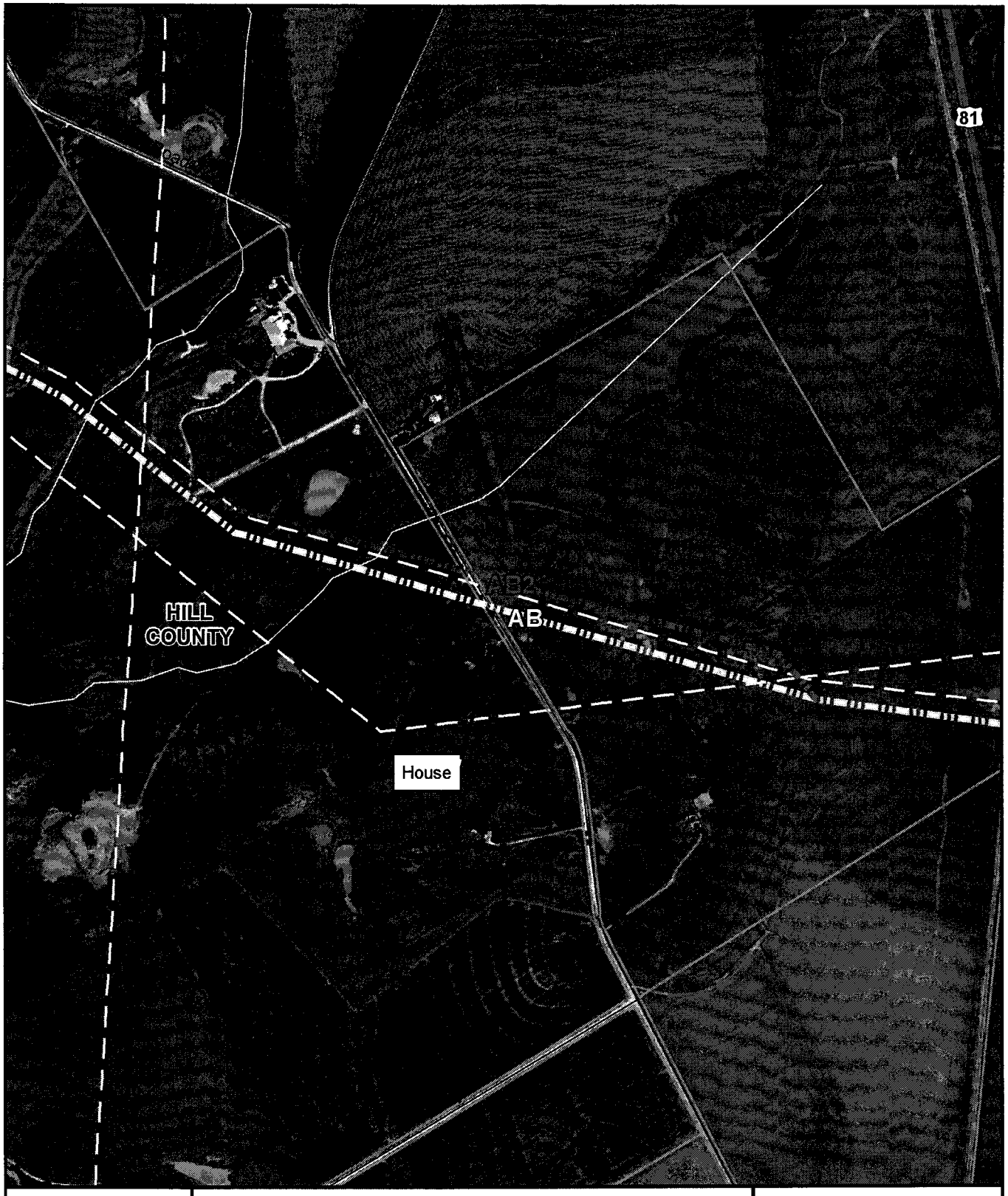

Figure 6-42
Link AB Adjustment #2
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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NORTH

0 750

Feet

Aerials Flown by SAM Inc 5/19/09

LEGEND

Preliminary Alternative Routes as Shown at the Open House Meetings

Adjusted Alternative Route (Following Open House Meetings)

Apparent Property Boundary

AA Link Identifier

Figure 6-43
Link FG Adjustment
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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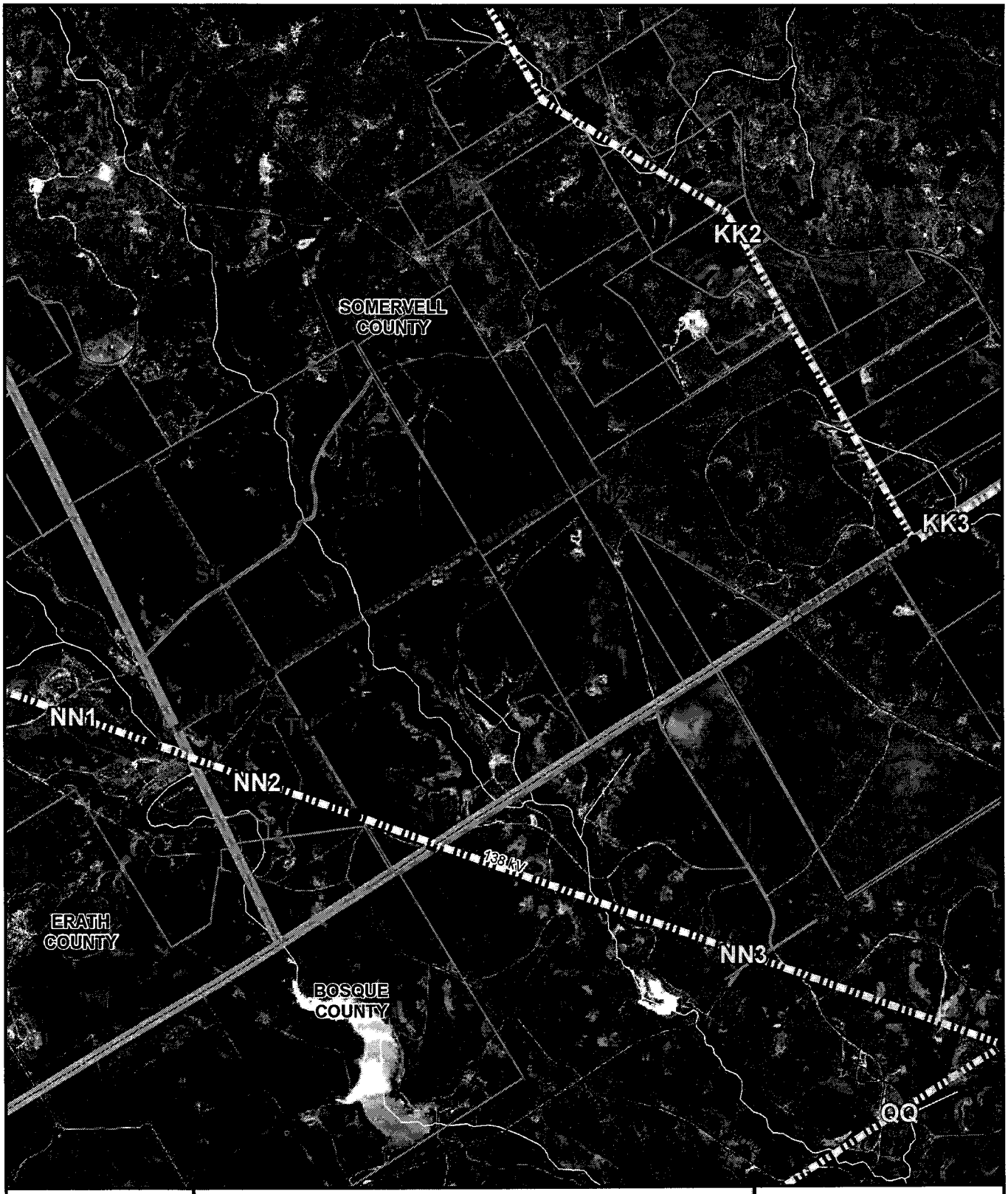

Figure 6-44
Links IJ1 & IJ2
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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Figure 6-45
Links JK & KL
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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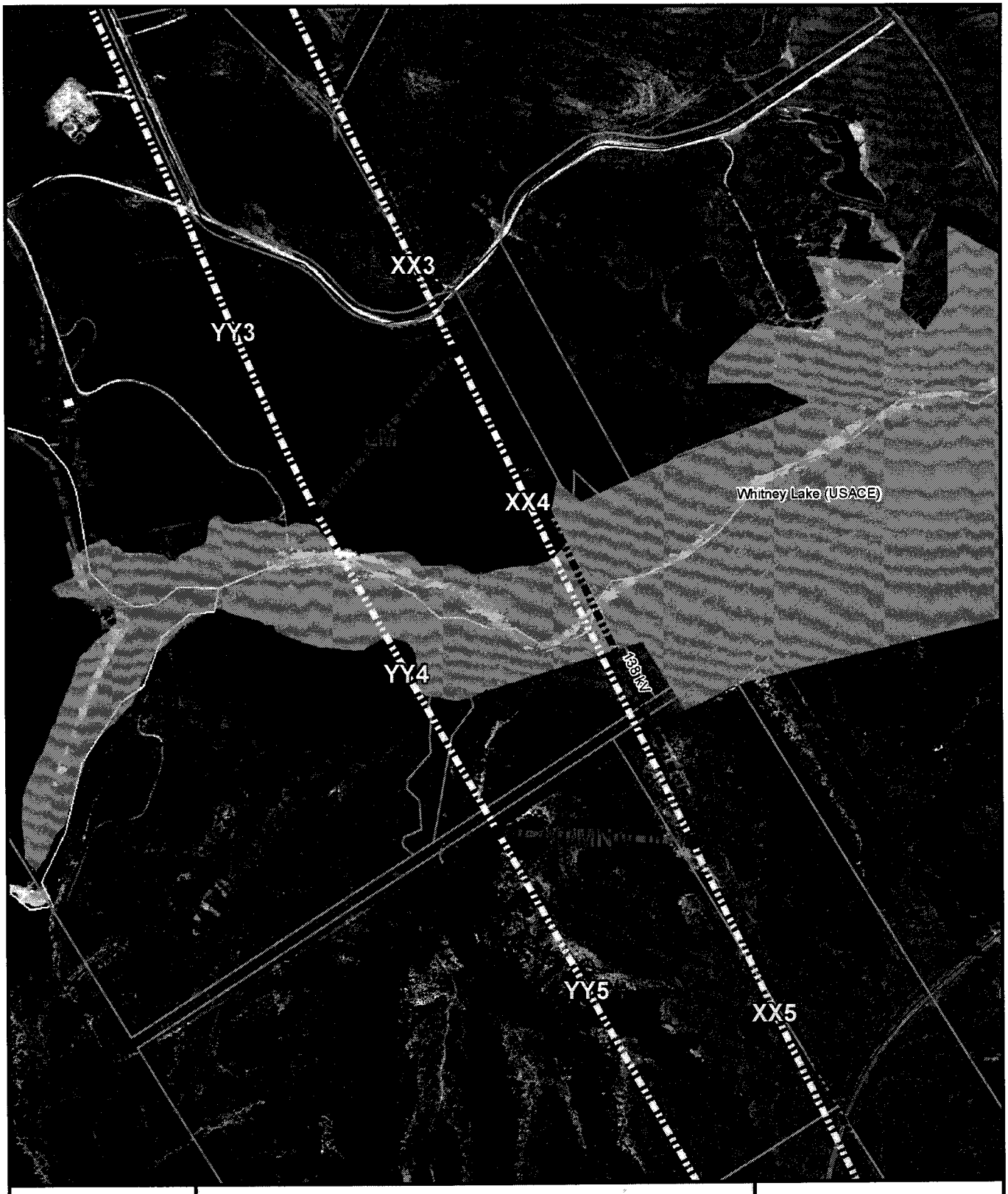

NORTH

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Feet

Aerials Flown by SAM Inc 5/19/09

LEGEND

Preliminary Alternative Routes as Shown at Open House Meetings

New Alternative Route (Following Open House Meetings)

Existing Transmission Line

Apparent Property Boundary

Park/Recreational Area

AA Link Identifier

Figure 6-46
Links LM & MN
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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Links OP (Figure 6-47) and PQ (Figure 6-48) were added to parallel an existing 138 kV transmission line that would connect Links AB, TT, and CD. The existing transmission line was followed to the extent practicable, with several deviations to avoid homes located close to both sides of the existing transmission line.

Links QR and RS were added primarily along SH 144 to connect the central alternative routes and the northern alternative routes, between Links TT, UU, and KK (Figure 6-49).

Links ST and TU were added following discussions with landowners in Somervell County regarding their concerns for potential impacts to the Chalk Mountain area along Link KK. The landowners suggested an alternative route along the Somervell/Erath county line. Additional aerial and field reconnaissance surveys suggested a slightly modified alternative route that followed apparent property boundaries and fence lines in the vicinity of the county line was reasonable. Link ST connects Link KK and Link IJ, while Link TU connects to Link NN (Figure 6-50).

6.3 SAM SWITCH TO NAVARRO LINK ADJUSTMENTS

Modifications were made to five route links between the Sam Switch and Navarro Substations: Links BBB, EEE, FFF, GGG (2 adjustments), and III.

Link BBB was adjusted to take advantage of a slightly greater length along apparent property boundaries, as well as reducing the number of angles (Figure 6-51).

Link EEE was modified to follow more apparent property lines and CR 3441 (Figure 6-52).

A short portion of Link FFF was modified to maximize the distance from a house located north of the existing transmission line paralleled by Link FFF. The route link was moved to the opposite side of the existing transmission line from the house for a short distance past the house (Figure 6-53).

Rather than crossing a property diagonally, an adjustment was made to Link GGG, at the request of a landowner at the open-house meetings, to move Link GGG along NW CR 2170 on the northern edge of their property and along their eastern property boundary (Figure 6-54).

A modification was made at the intersection of Links BBB, GGG, and III after a new house was identified on the south side of NW CR 2130. The adjustment moved Link III, and as a result Link GGG, to the north side of the road to maximize the distance from the house while paralleling the road. Just east of the house, Link III returns to the south side of the road to maximize the distance of the route from a house located on the north side of the same road (Figure 6-55).

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NORTH

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Feet

Aerials Flown by SAM Inc. 5/19/09

LEGEND

Preliminary Alternative Routes as Shown at Open House Meetings

New Alternative Route (Following Open House Meetings)

Existing Transmission Line

Oil & Gas Pipeline

Apparent Property Boundary

AA Link Identifier

Figure 6-47
Link OP
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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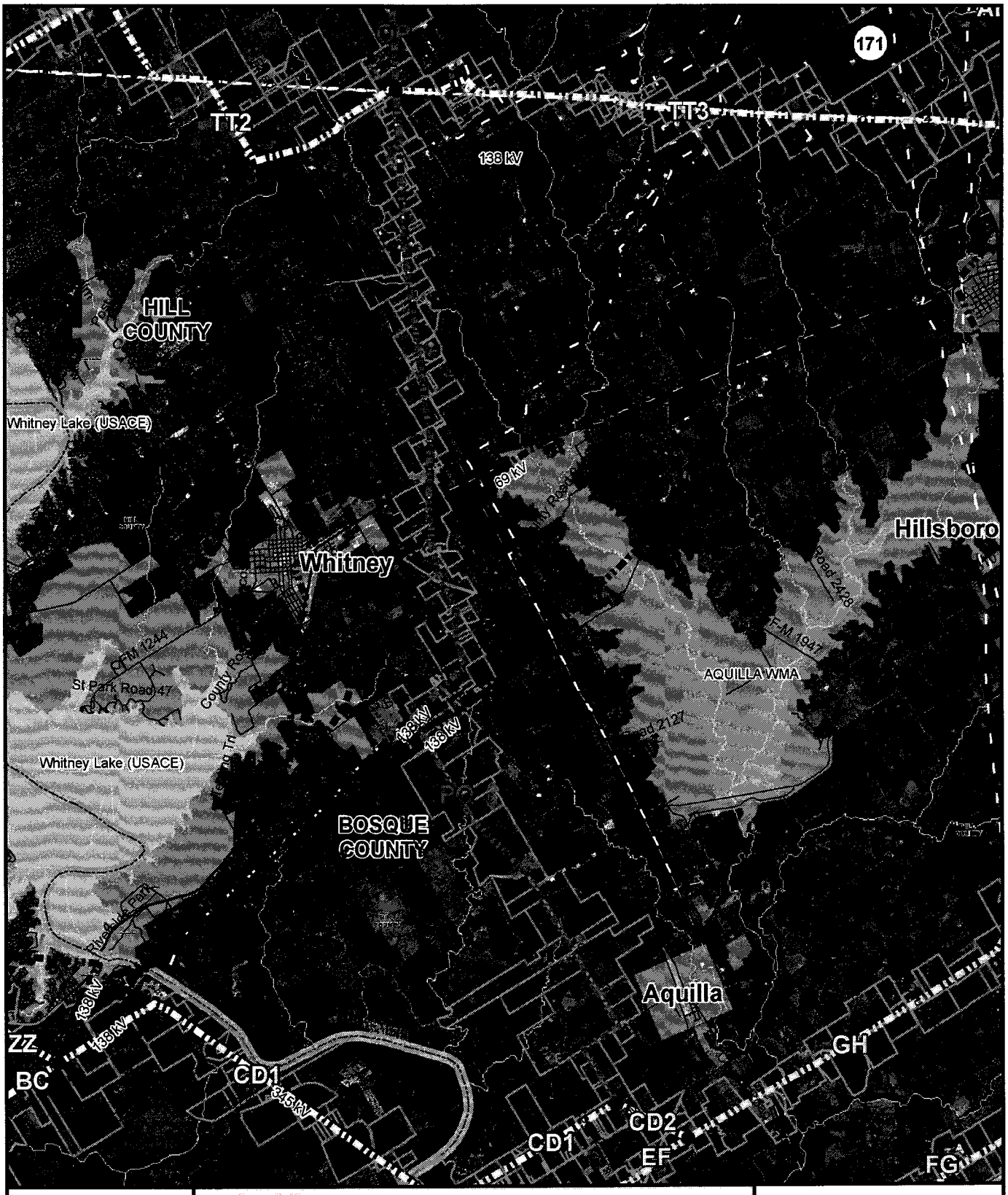

Figure 6-48
Link PQ
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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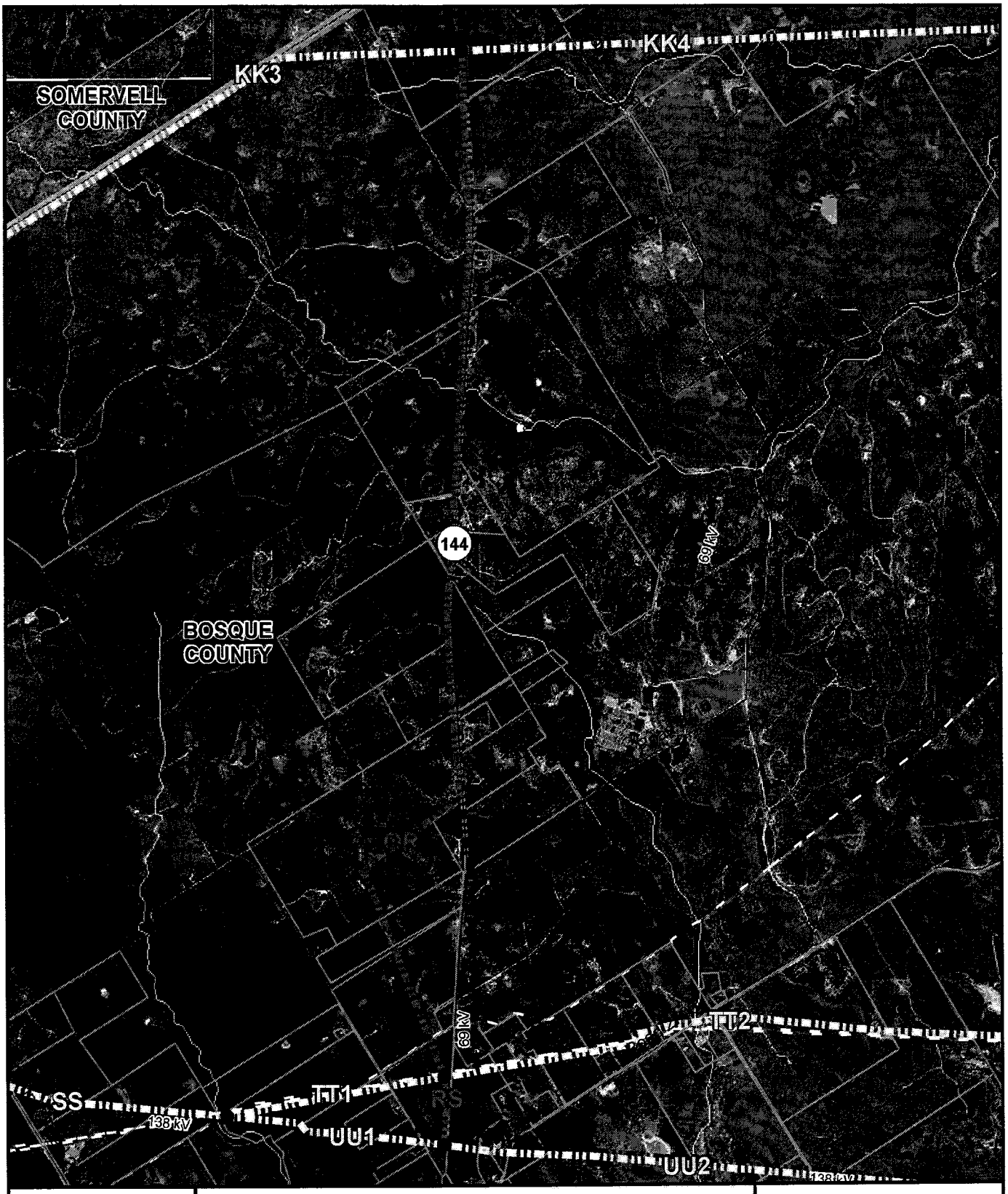

NORTH

0 3,000

Feet

Aerials Flown by SAM Inc. 5/19/09

LEGEND

Preliminary Alternative Routes as Shown at Open House Meetings

New Alternative Route (Following Open House Meetings)

Existing Transmission Line

Oil & Gas Pipeline

Apparent Property Boundary

AA Link Identifier

Figure 6-49
Links QR & RS
Following Open Houses
Central A to Navarro
345 kV Transmission
Line Project

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