TransCanada Keystone Pipeline, L.P.
United States Department of State
Keystone XL Project
Appendix A
Pipeline Aerial Route Sheets

Cushing, Oklahoma to Nederland, Texas
&
Houston Lateral

KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

N
W E
S

TROW ENGINEERING CONSULTANTS, INC.
MAY 19, 2010
REVISION 2

Cushing, OK to Nederland, TX - 3/15/10 CL, Houston Lateral - 3/18/09 CL

PREPARED BY:
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1300 Metropolitan Boulevard, Suite 200
Tallahassee, Florida , USA 32308
Phone: 1-850-385-5441
Fax: 1-850-385-5523
Trow

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KEYSTONE XL PROJECT
ROUTE SHEETS

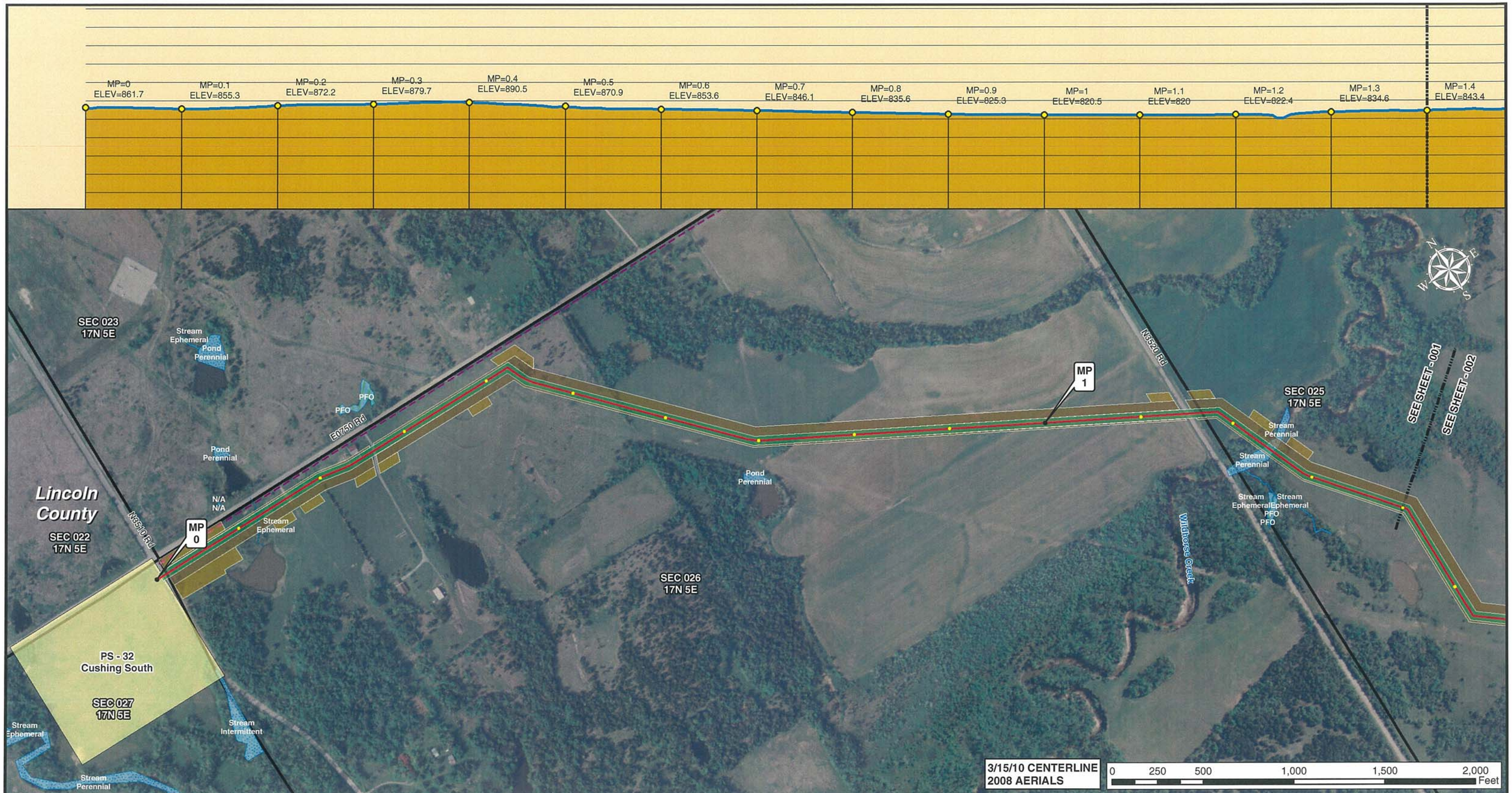
MAP PARAMETERS
PROJECTION: NAD83, UTM: 15N
NTS

NO.	REVISION	DATE
2	ISSUED FOR DEIS COMMENT SUBMITTAL TO U.S. DEPT. OF STATE	5.19.10
1	ISSUED FOR SUPPLEMENTAL U.S DEPT. OF STATE FILING	7.6.09
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

PROJECT: 50388X

SHEET: COVER SHEET

DRAWING NUMBER	DRAWN BY	CHECKED BY	APPROVED BY
XL-FIPS-ML-2002-P-000	GS	SS	RG



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
- ACCESS ROAD
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KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LINCOLN COUNTY, OKLAHOMA

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
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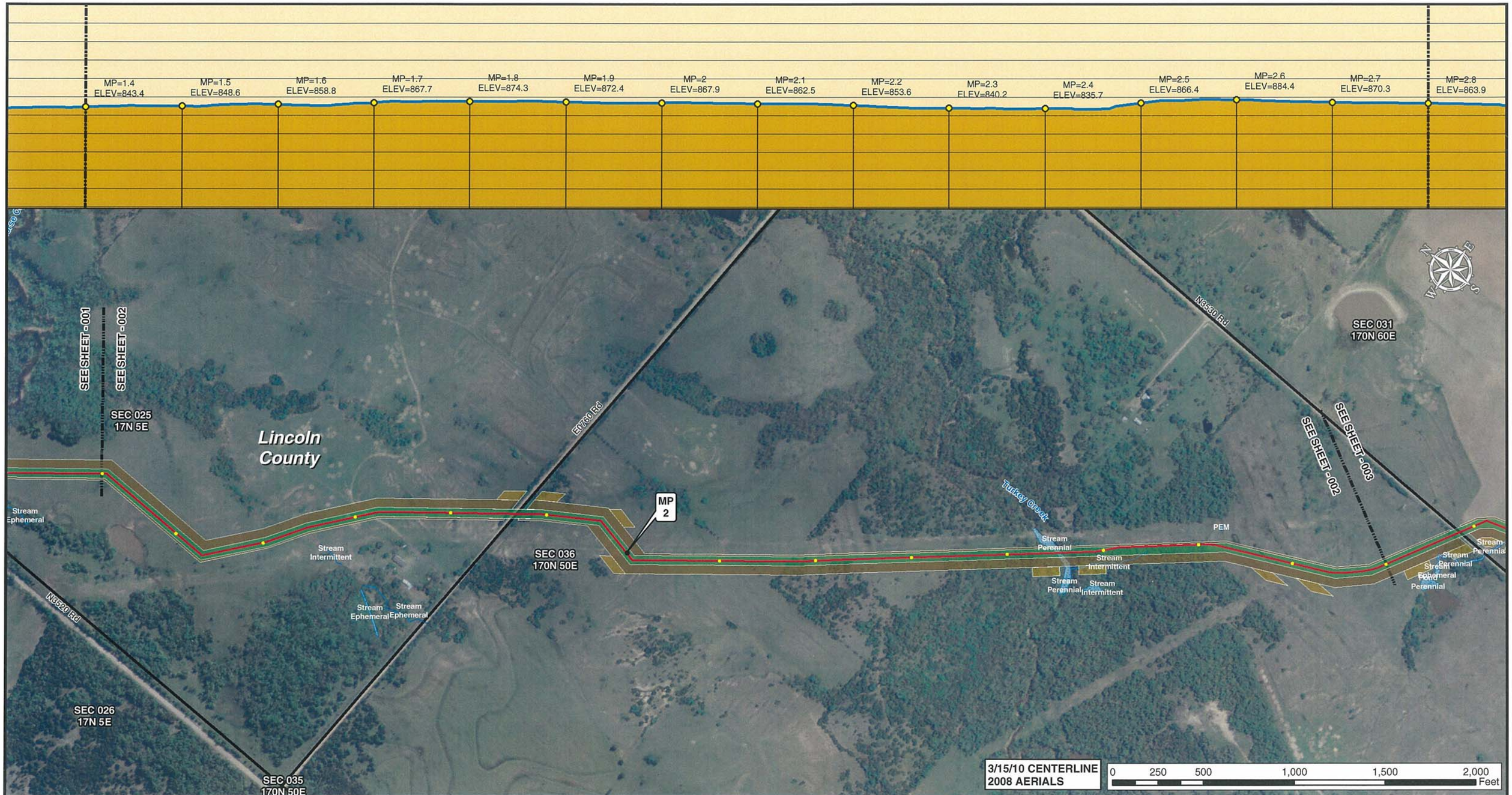

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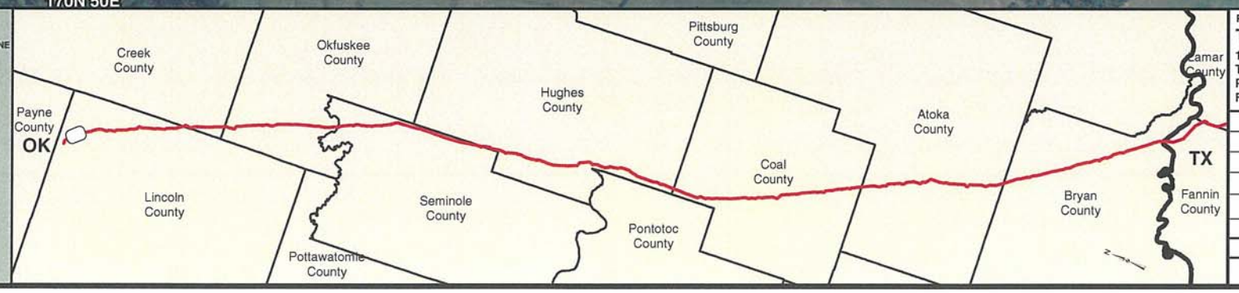

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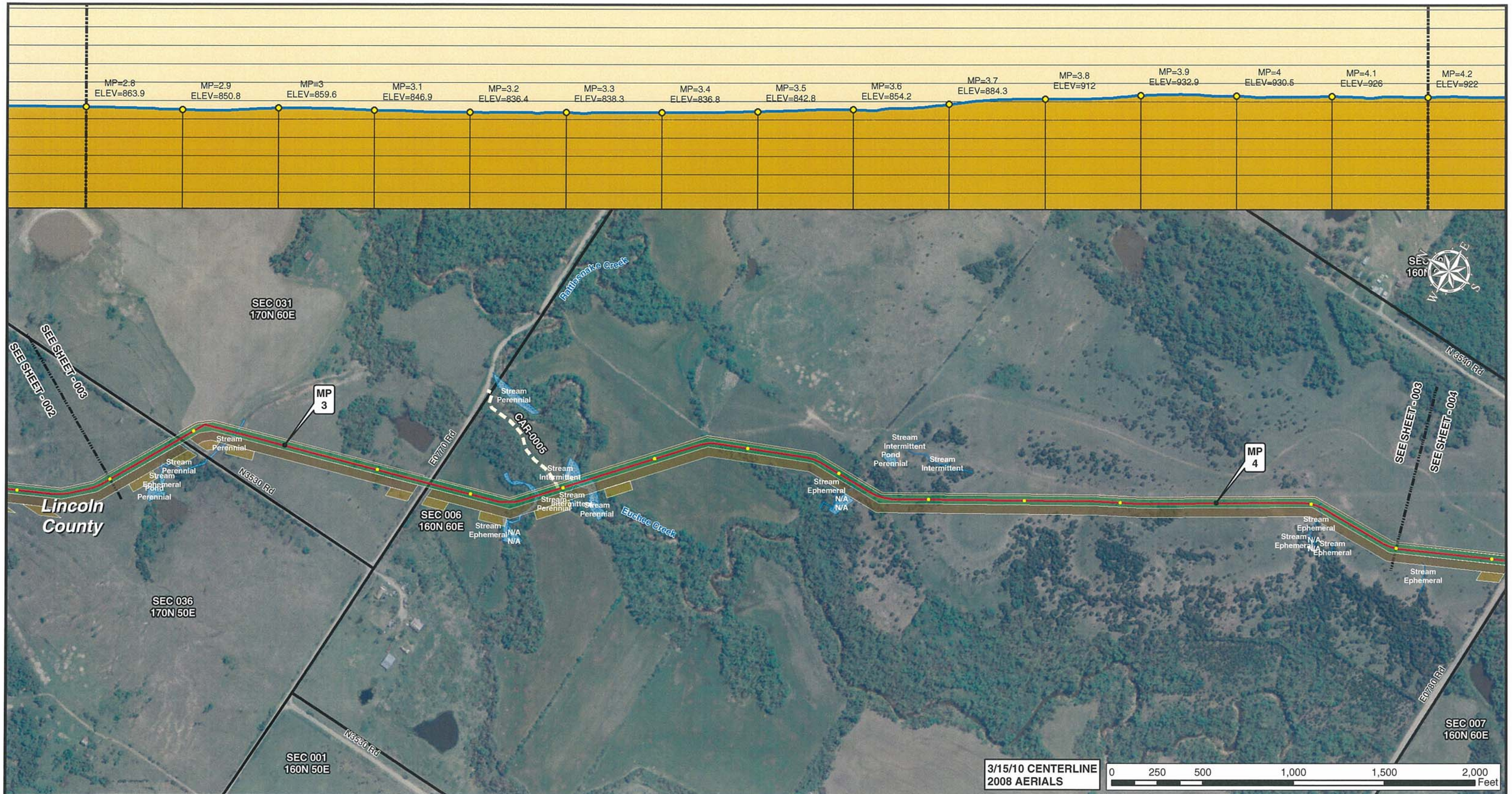

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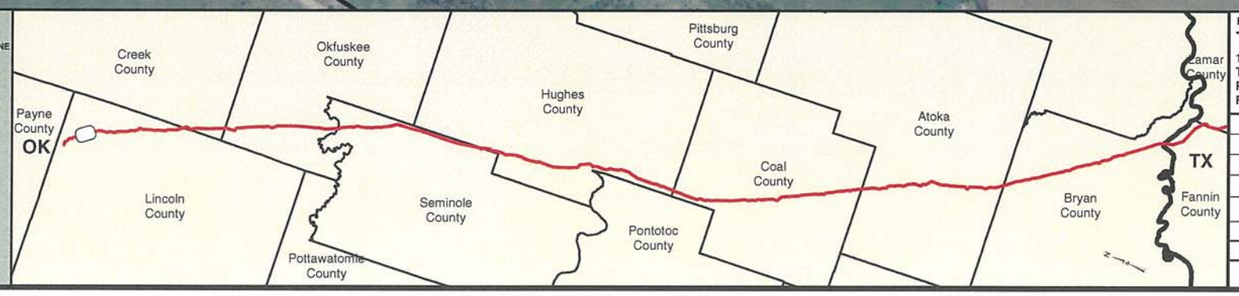

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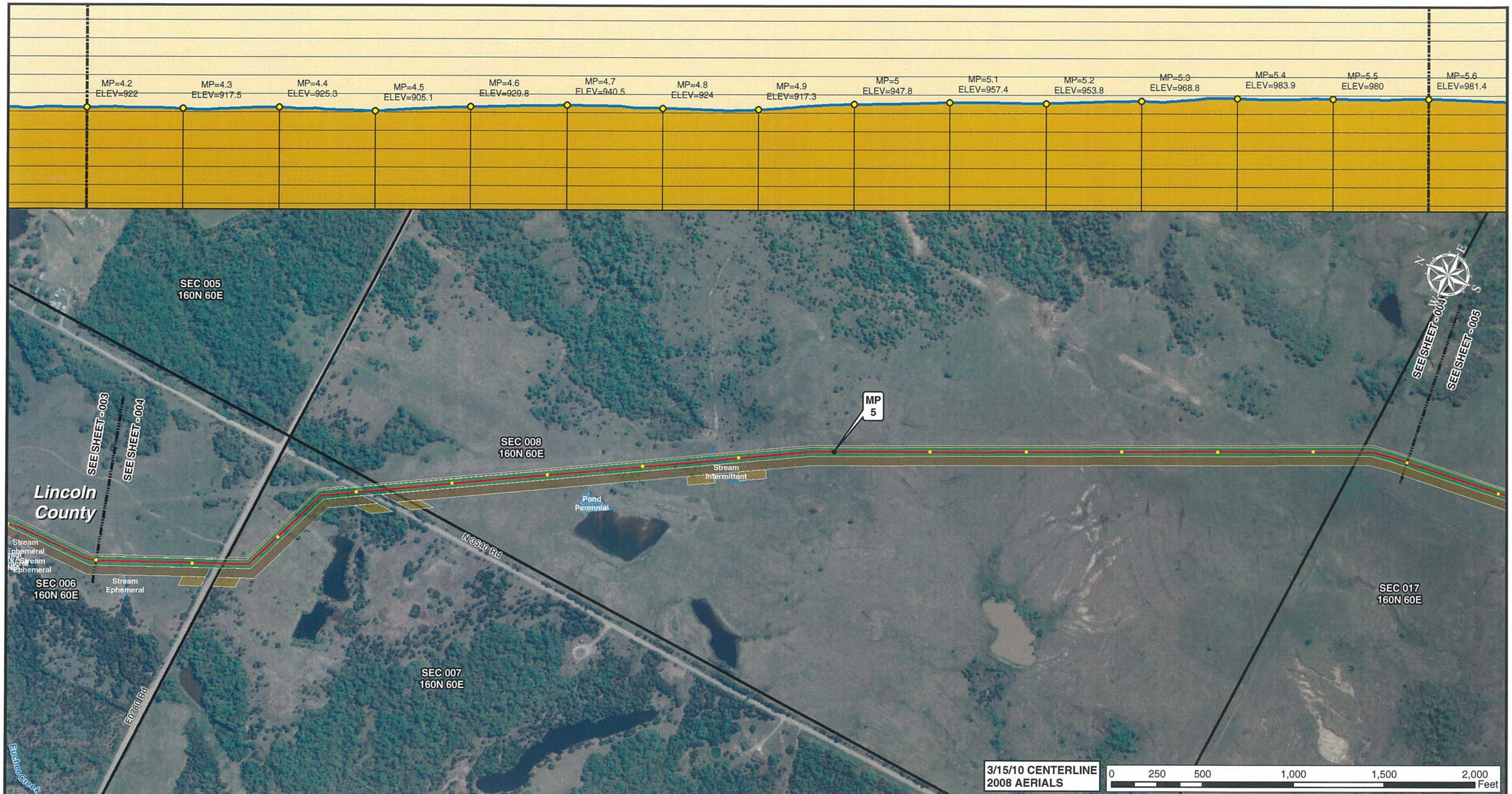

3/15/10 CENTERLINE
2008 AERIALS

0 250 500 1,000 1,500 2,000 Feet

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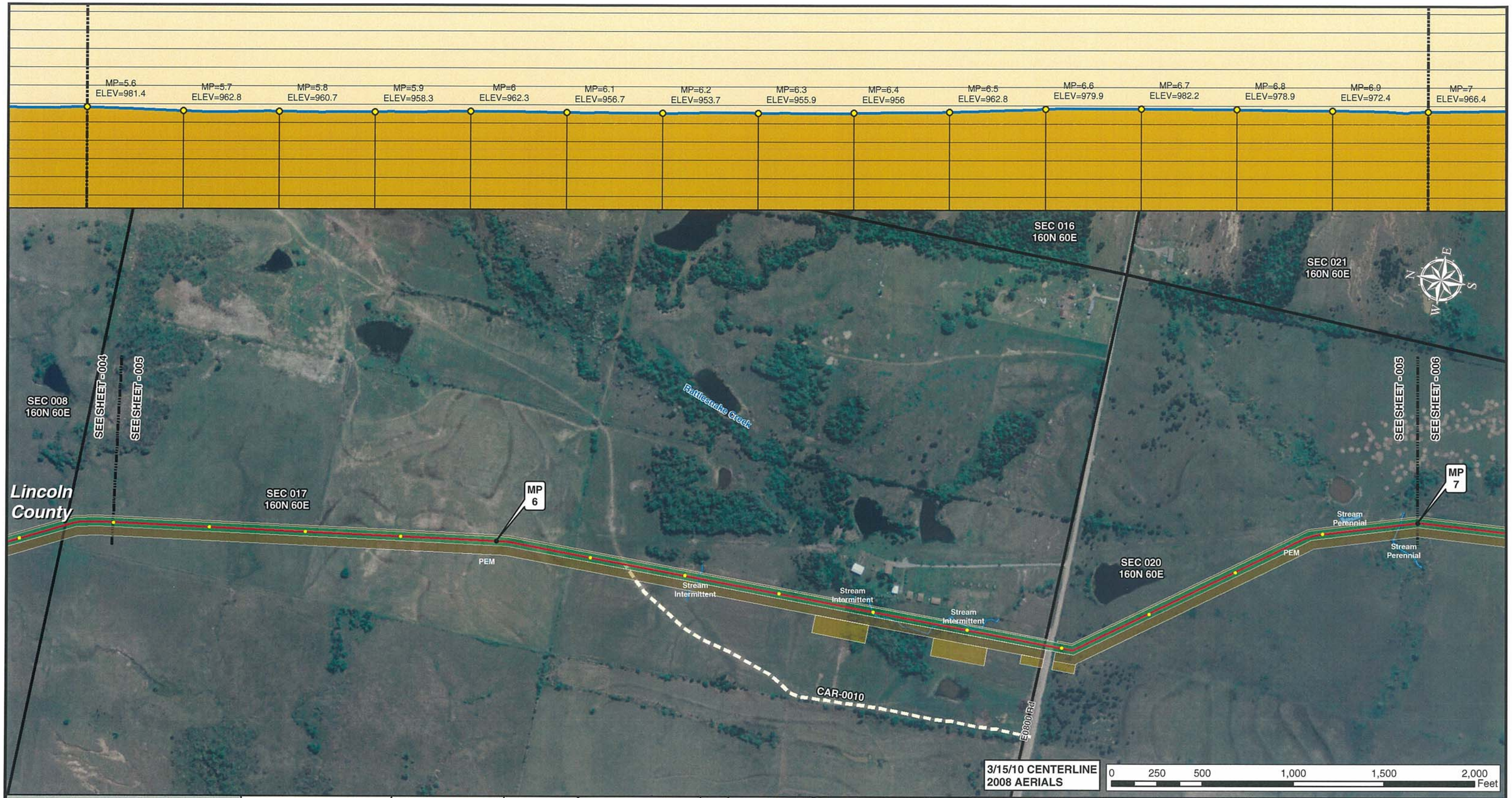

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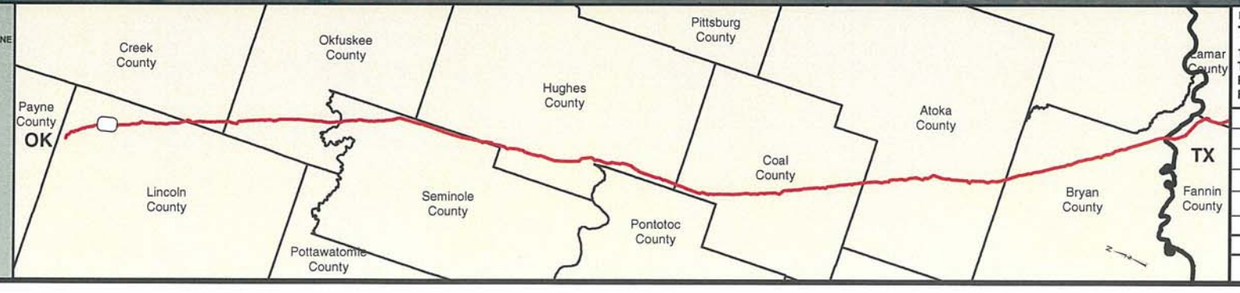

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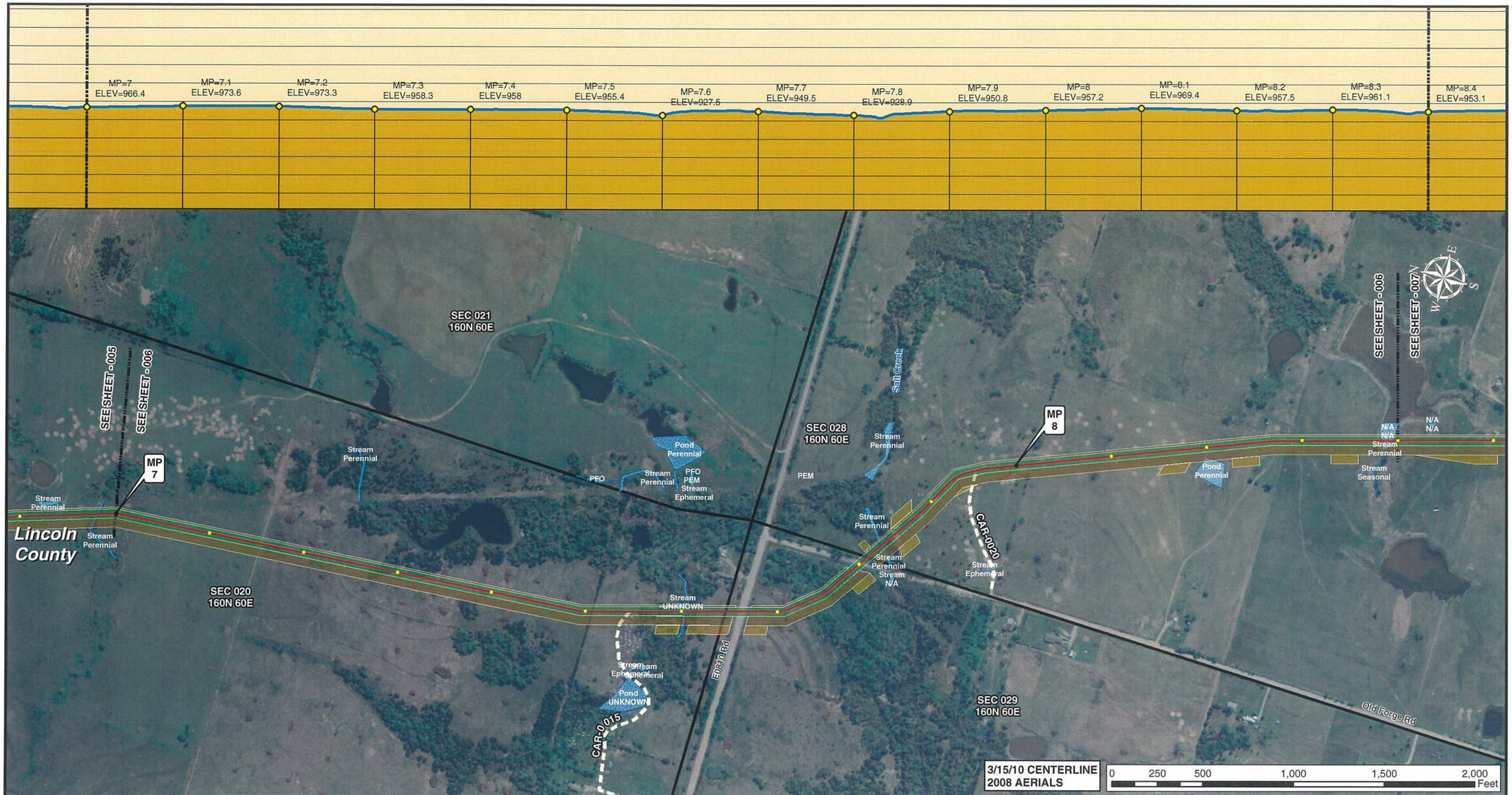

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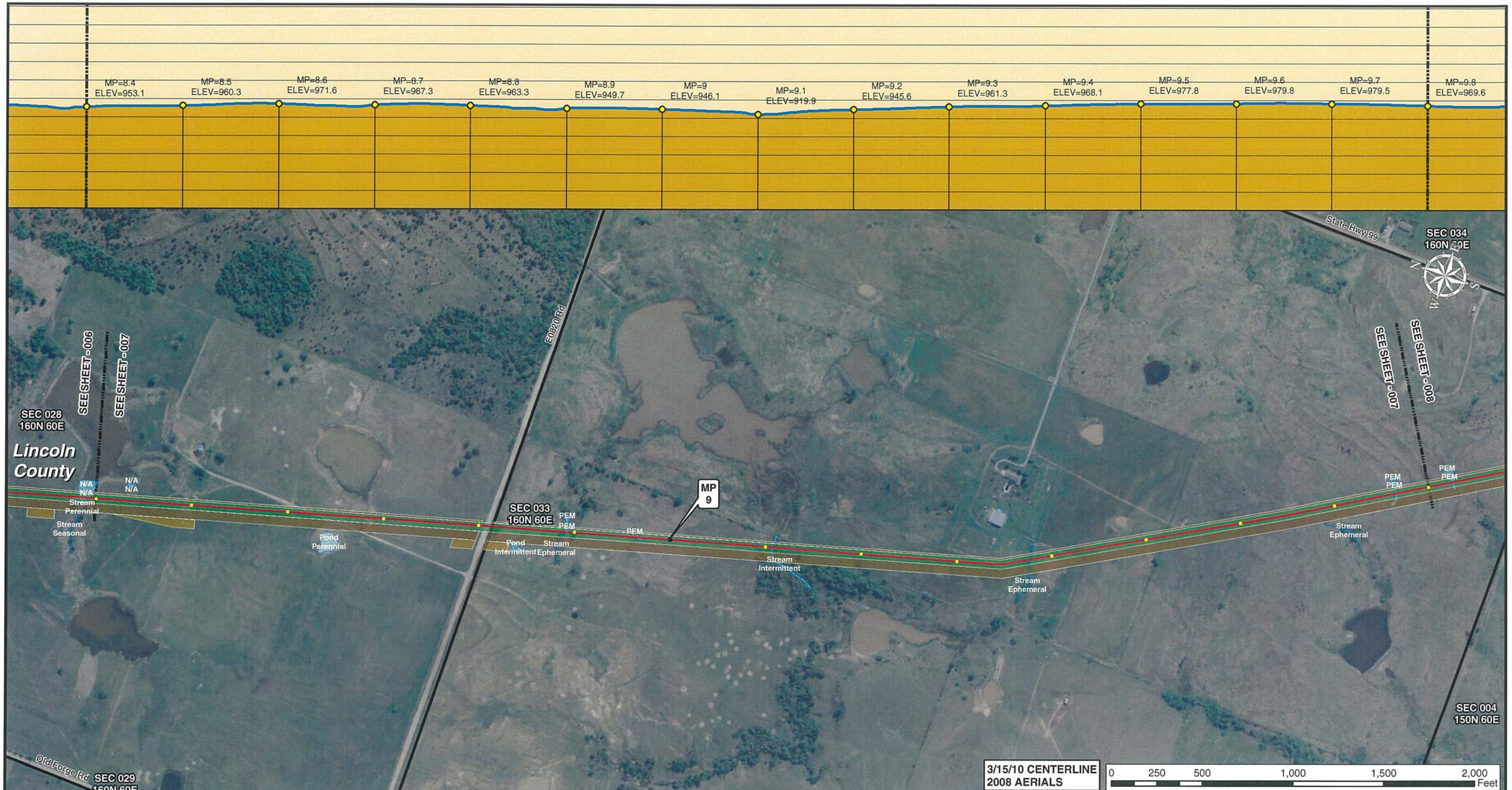

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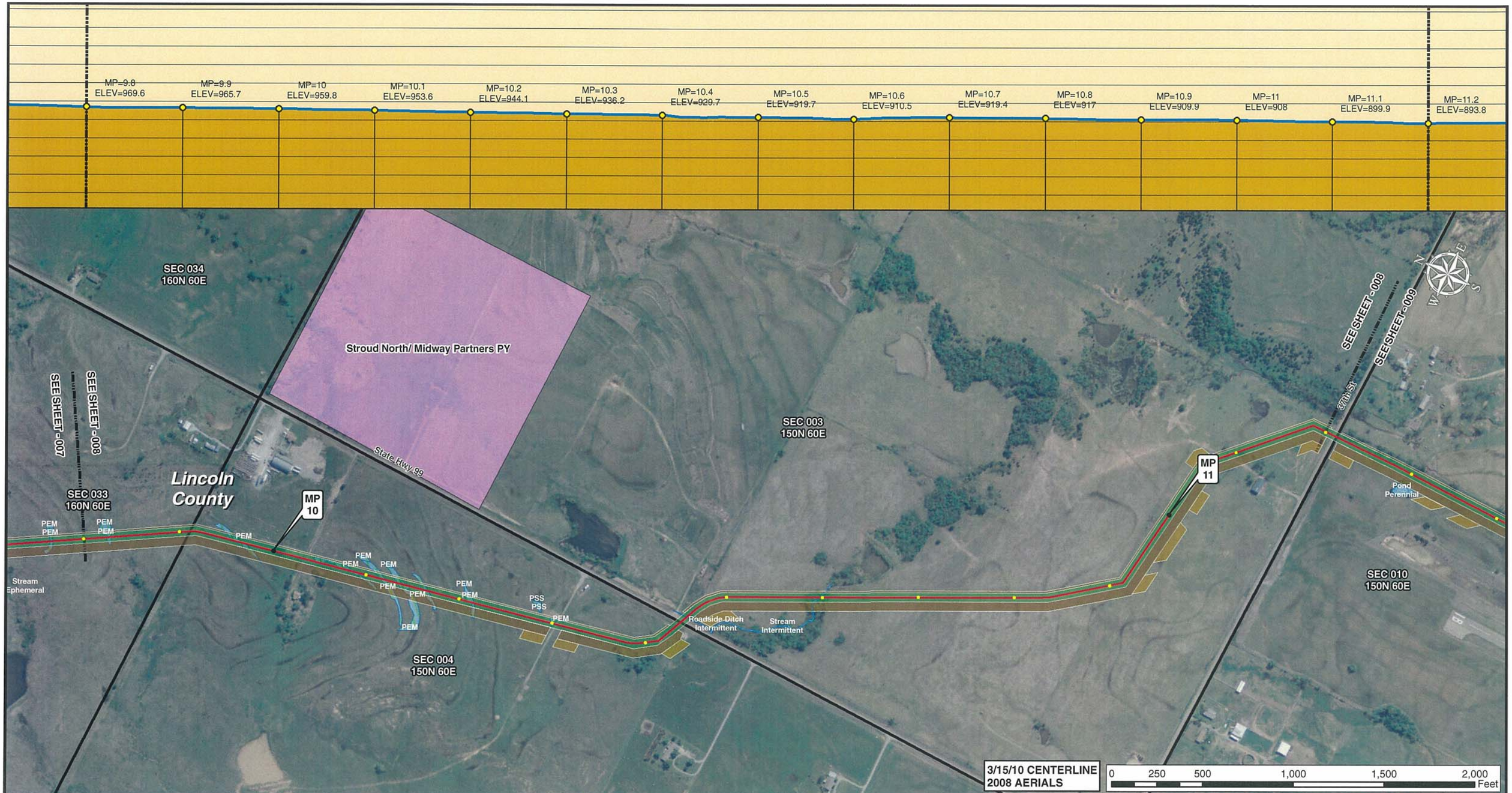

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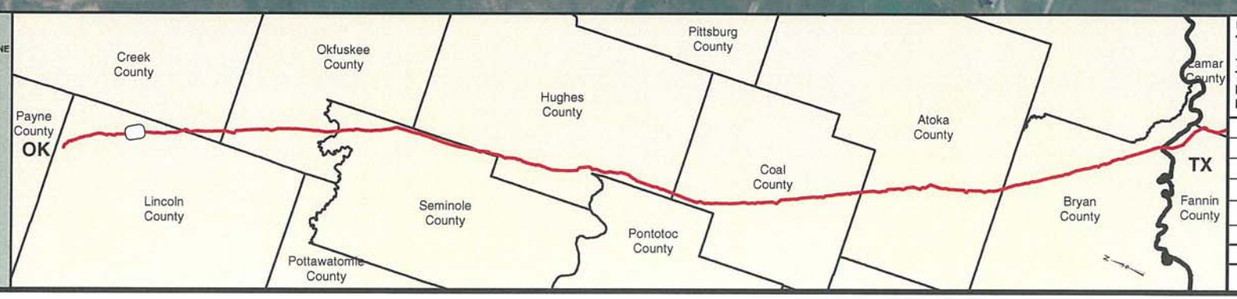

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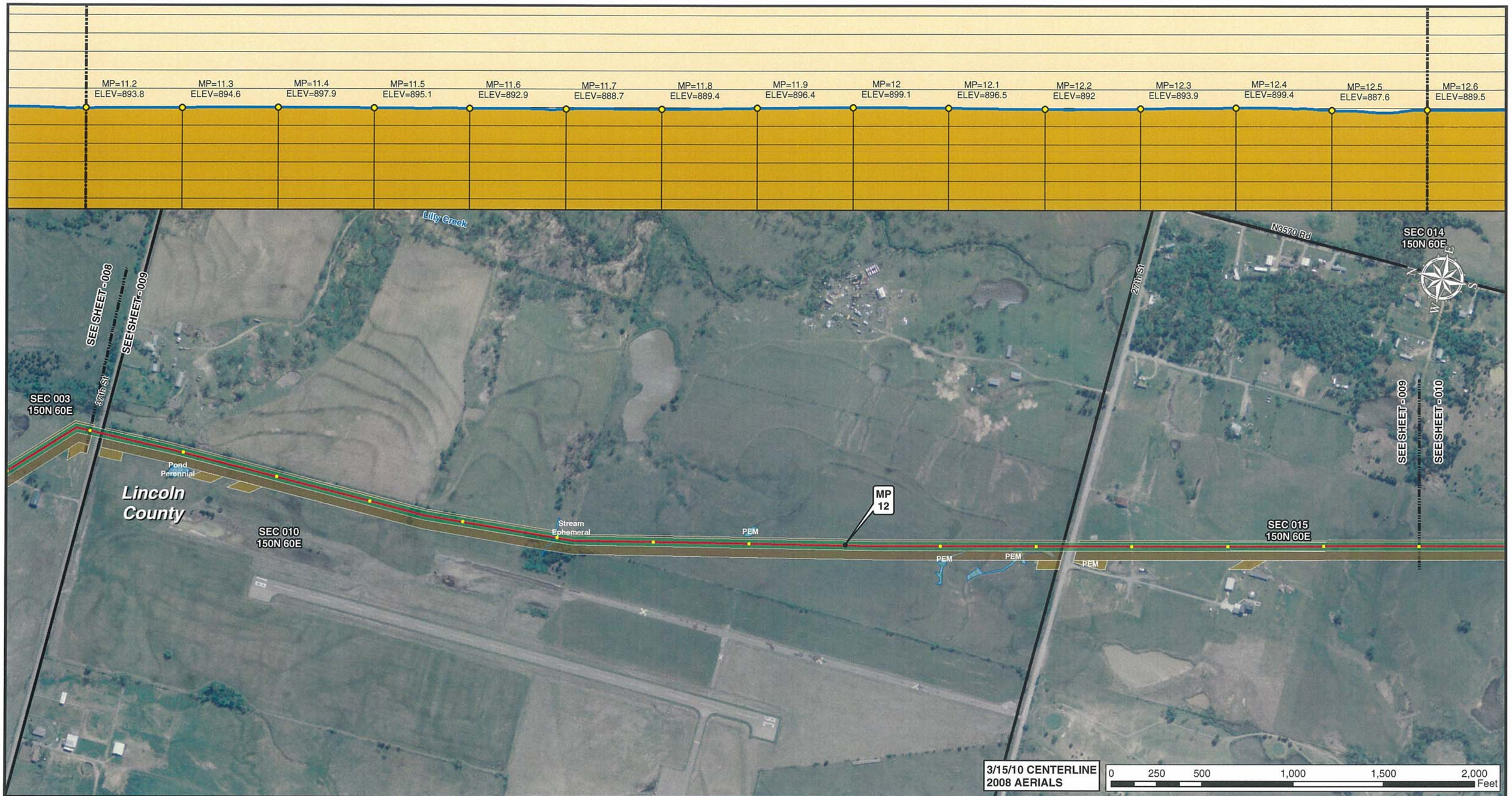

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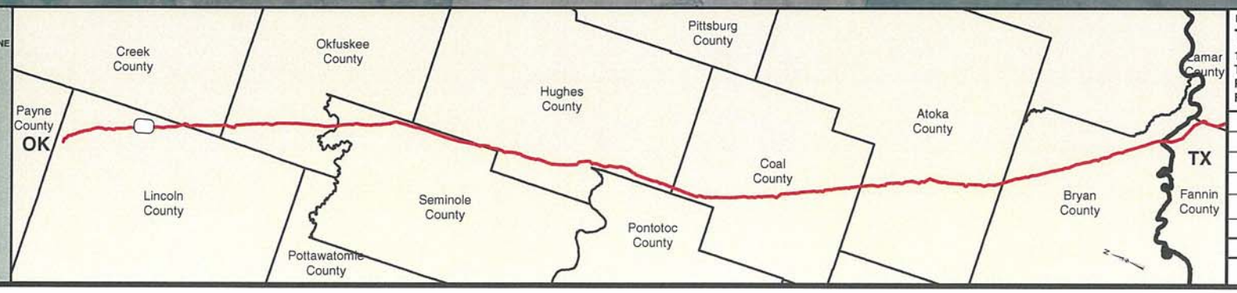

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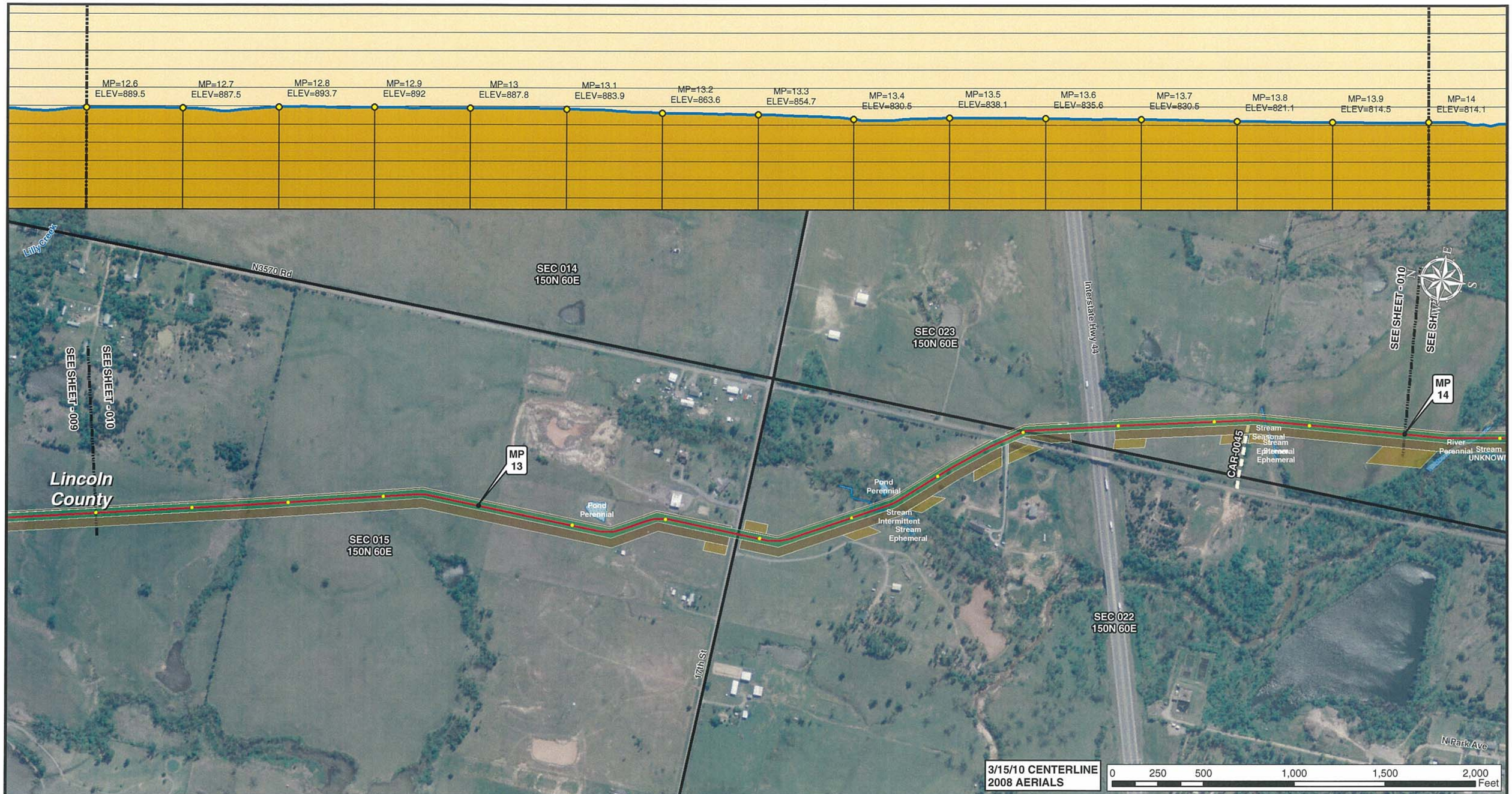

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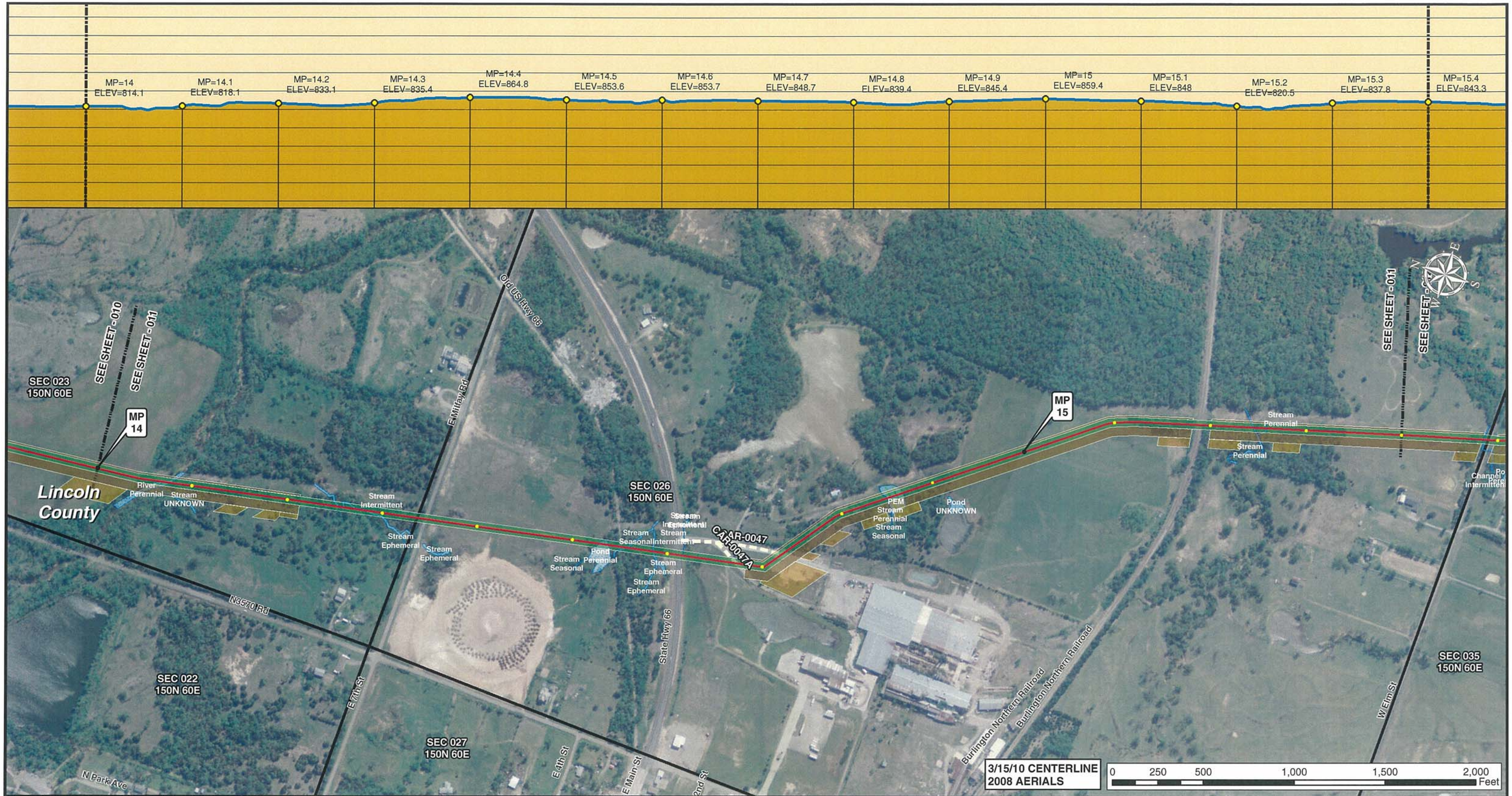

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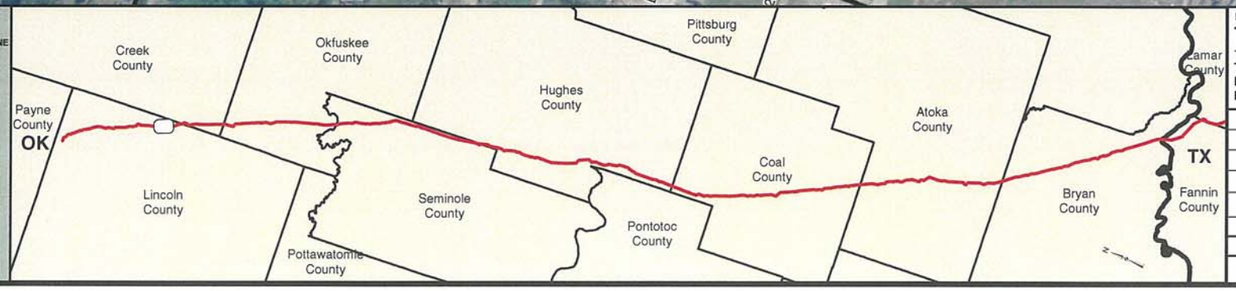

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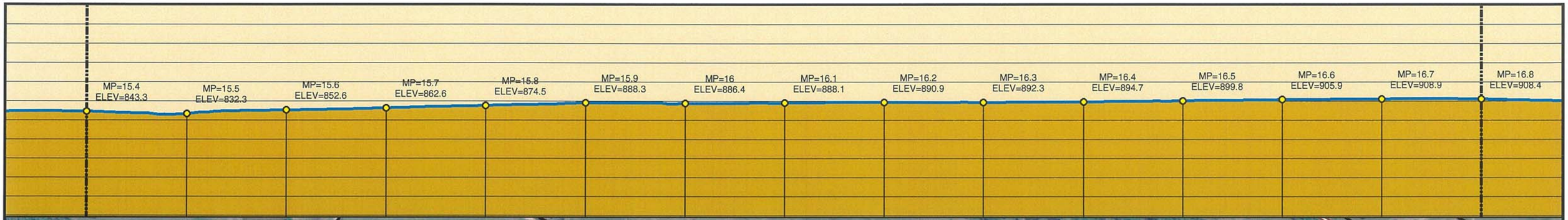
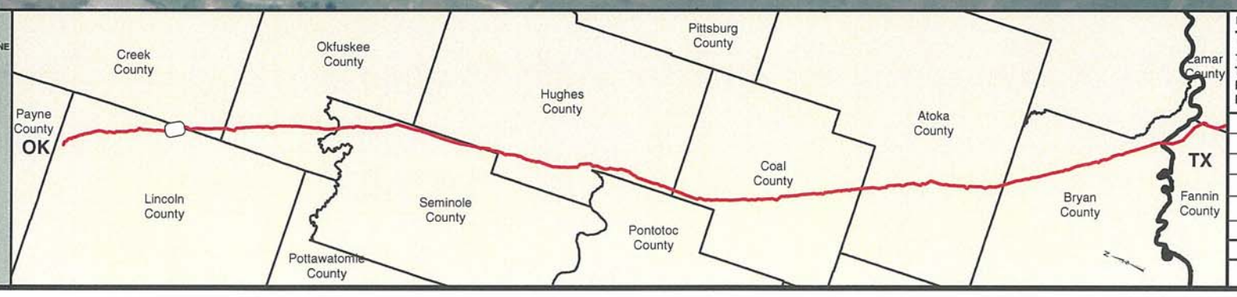
GS	SS	RG	50388X	XL-40-ML-2002-P-011 -A	011	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
- ACCESS ROAD
- TRANSMISSION LINE
- PUMP STATION
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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1300 Metropolitan Boulevard, Suite 200
Tallahassee, Florida , USA 32308
Phone: 1-850-385-5441
Fax: 1-850-385-5523
Trow

NO.	REVISION	DATE
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1	ISSUED FOR SUPPLEMENTAL U.S. DEPT. OF STATE FILING (2.19.09 CL)	7.6.09
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

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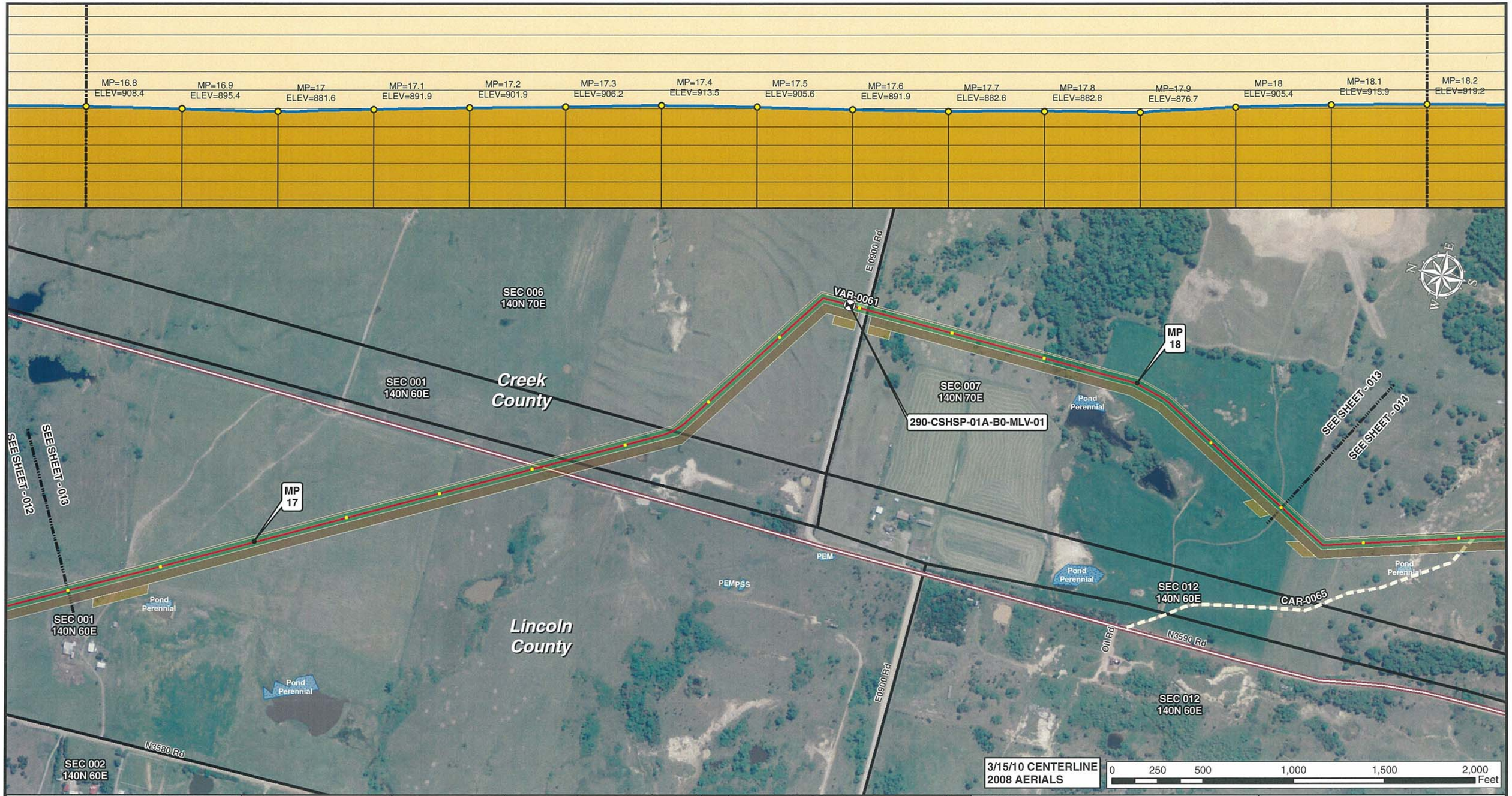
In business to deliver

KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LINCOLN COUNTY, OKLAHOMA

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-40-ML-2002-P-012 -A	012	2



Legend

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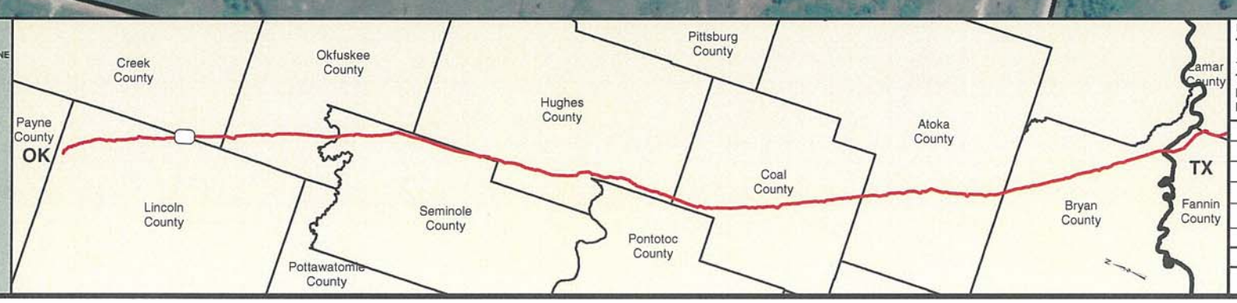

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In business to deliver

KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

CREEK COUNTY, OKLAHOMA

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

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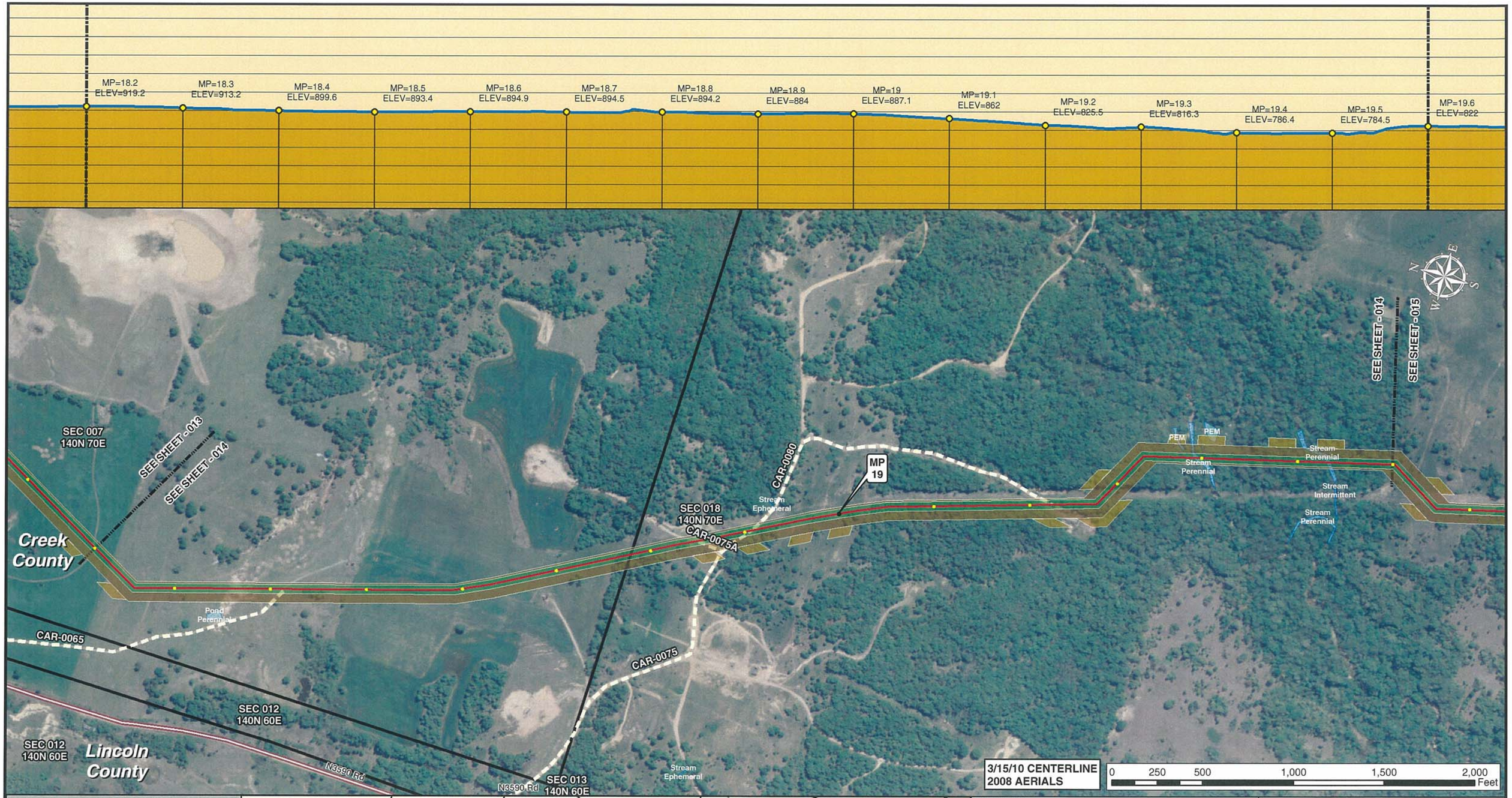

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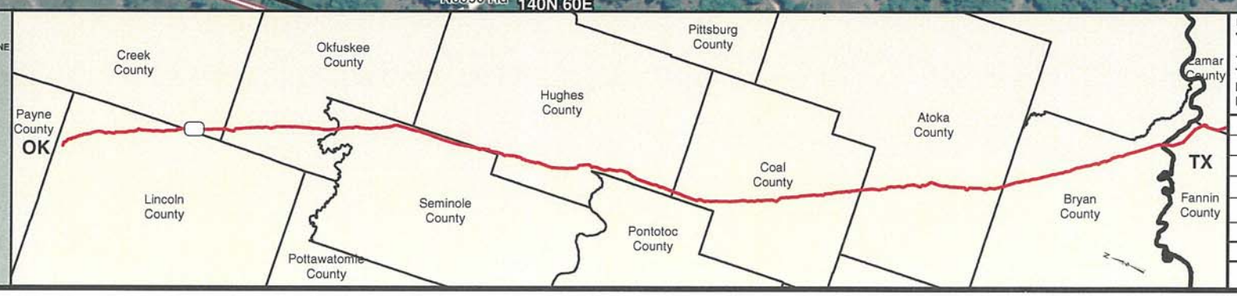

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ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

CREEK COUNTY, OKLAHOMA

MAP PARAMETERS
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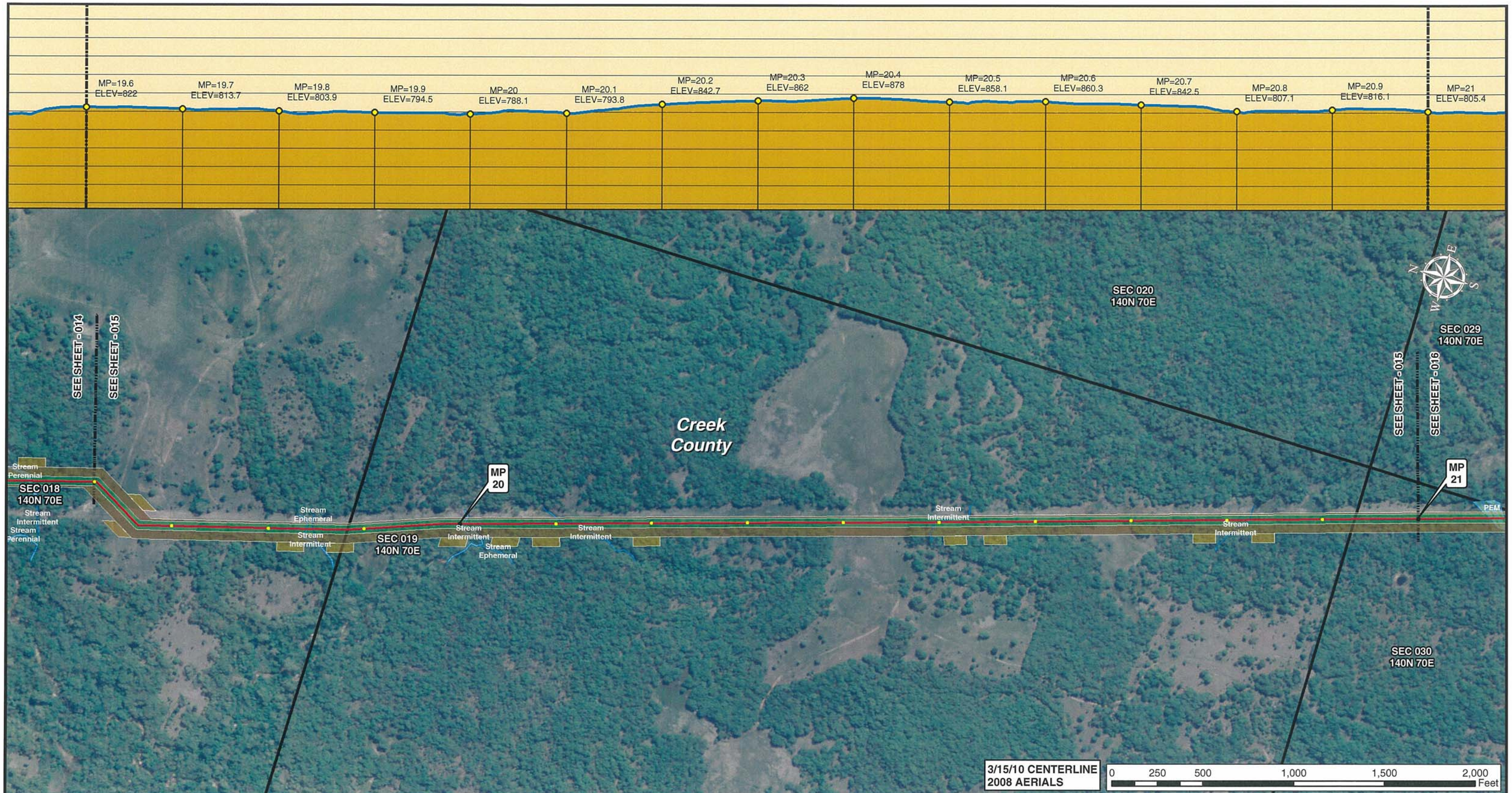

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CREEK COUNTY, OKLAHOMA

MAP PARAMETERS
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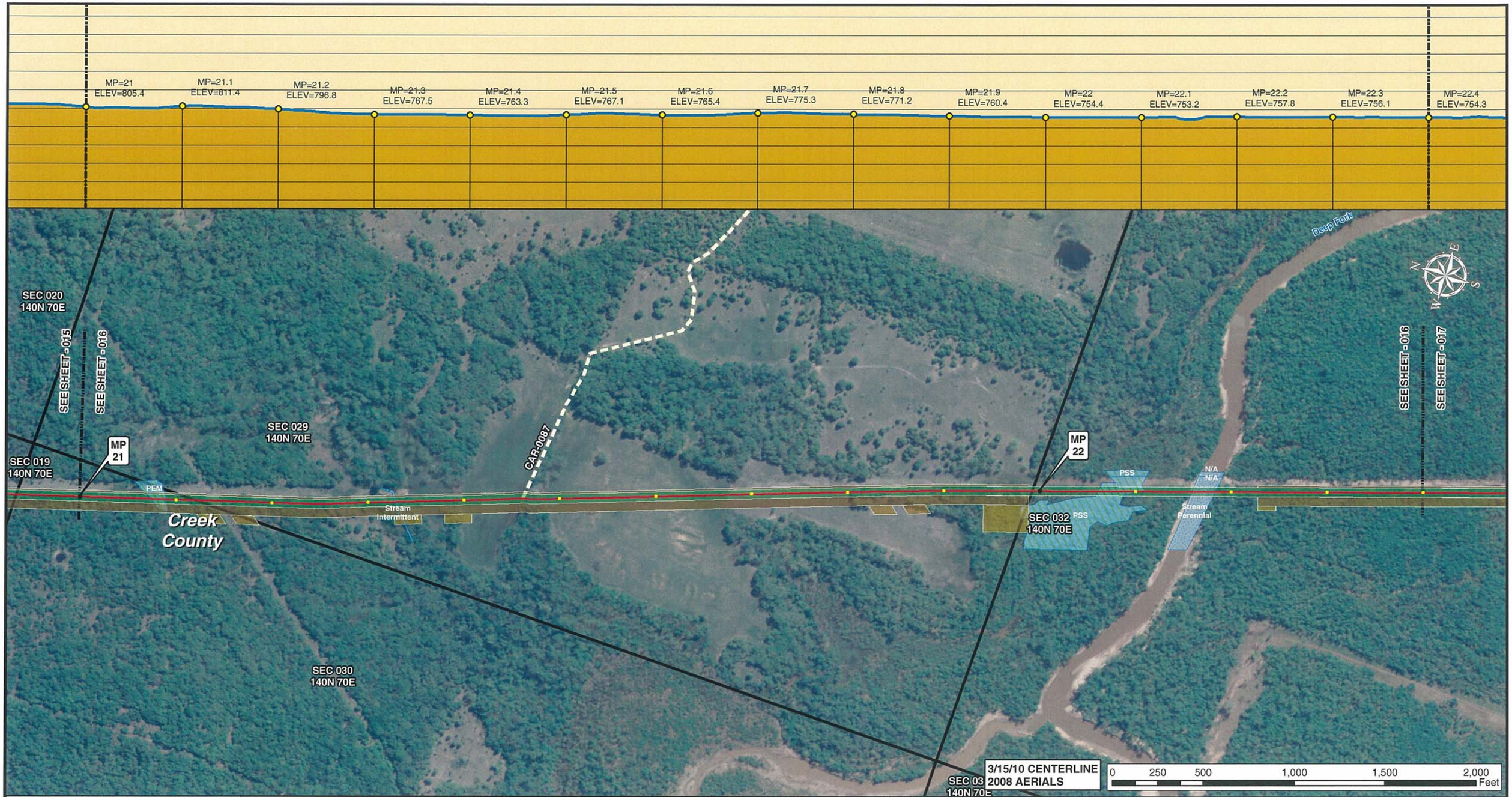

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KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

CREEK COUNTY, OKLAHOMA

MAP PARAMETERS
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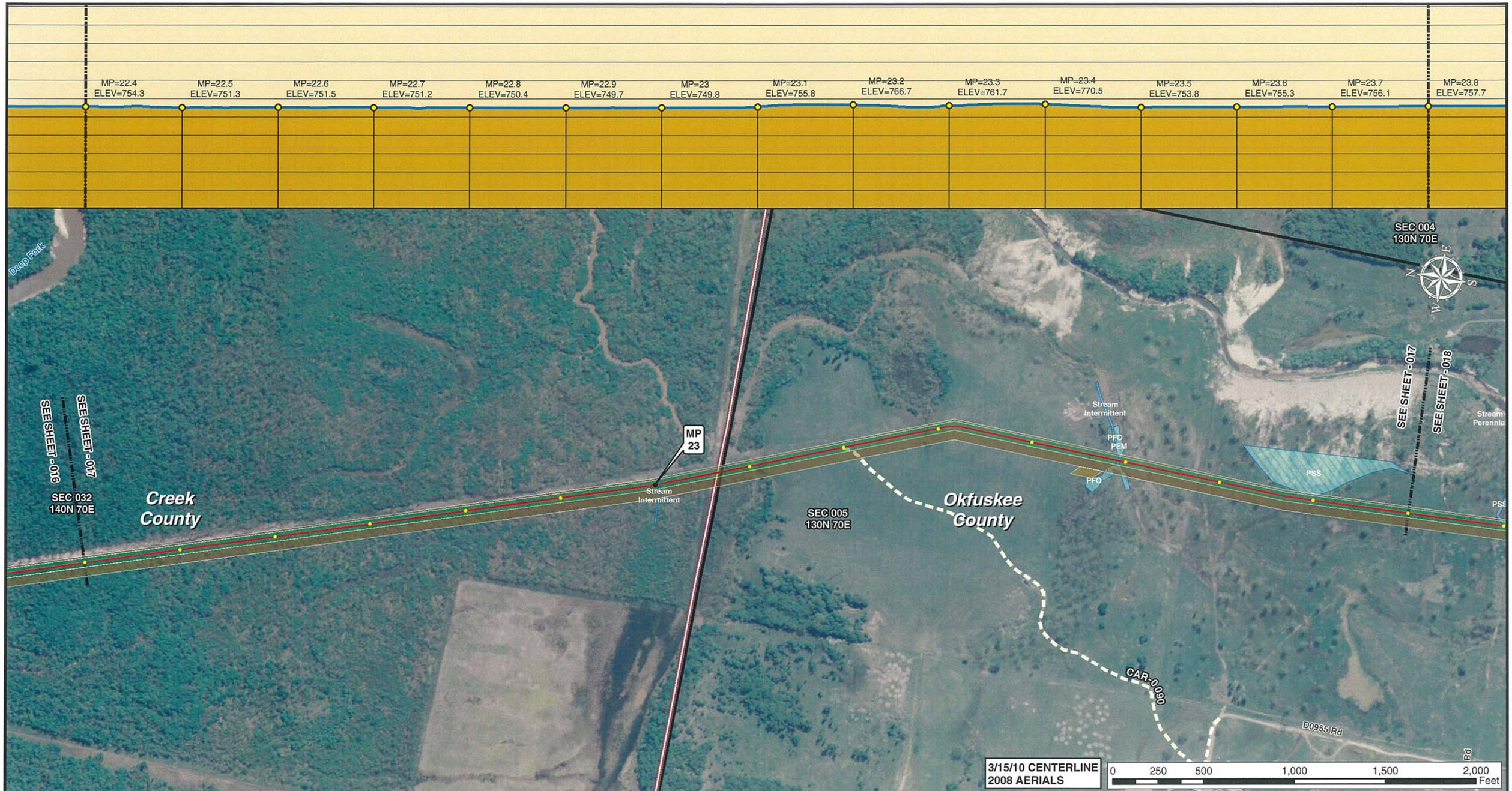

Legend

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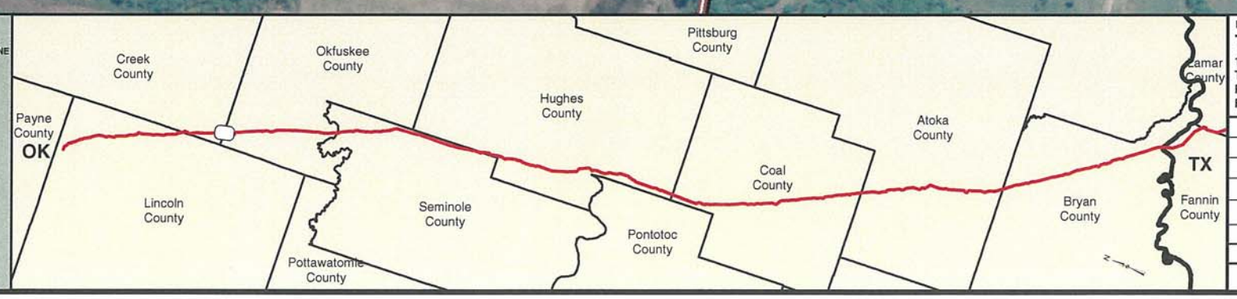

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ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

OKFUSKEE COUNTY, OKLAHOMA

MAP PARAMETERS
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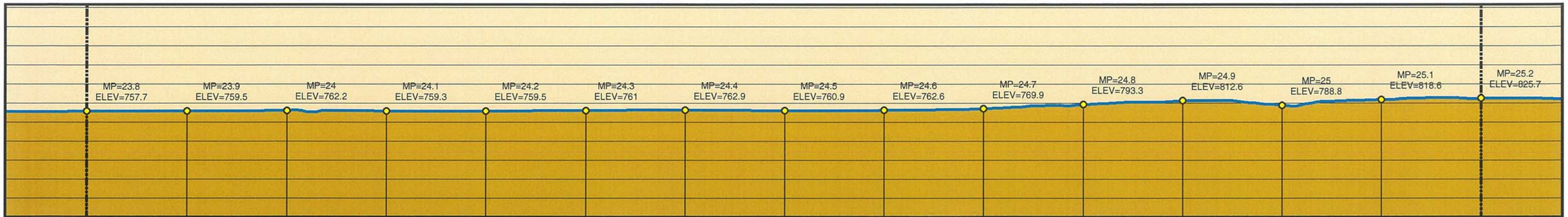
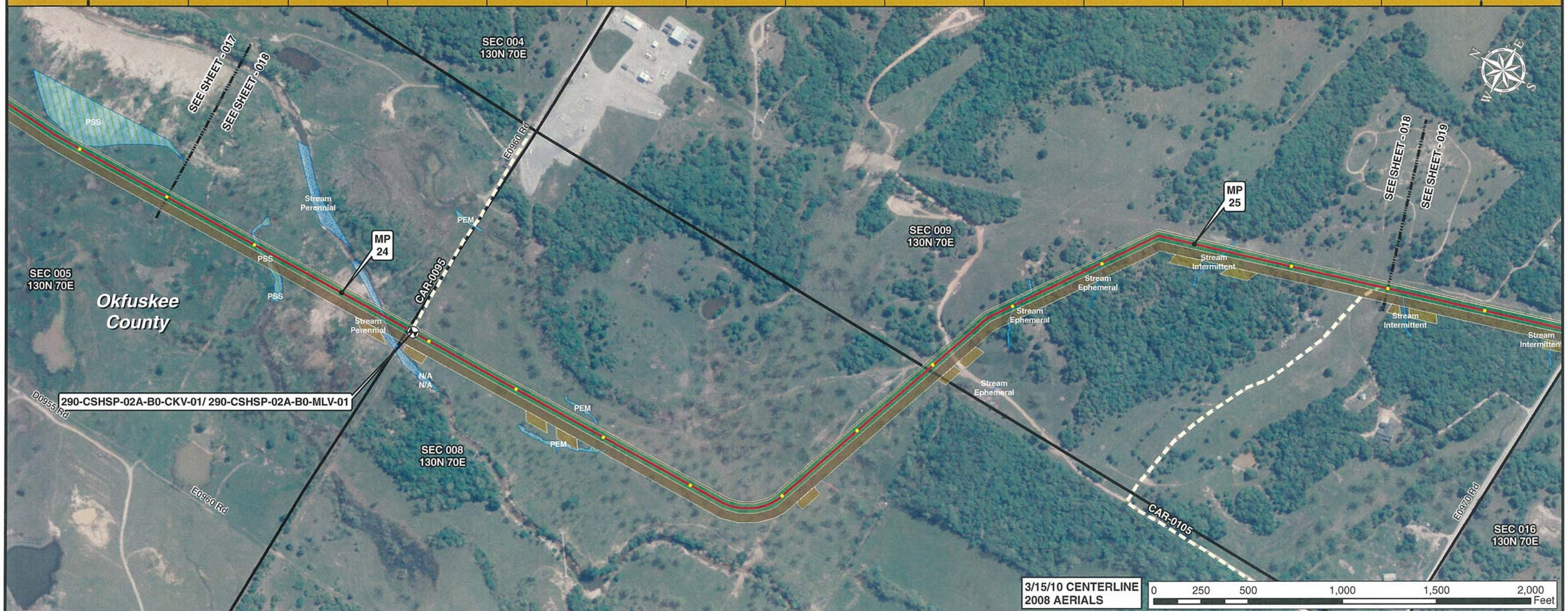
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-40-ML-2002-P-017 -A	017	2





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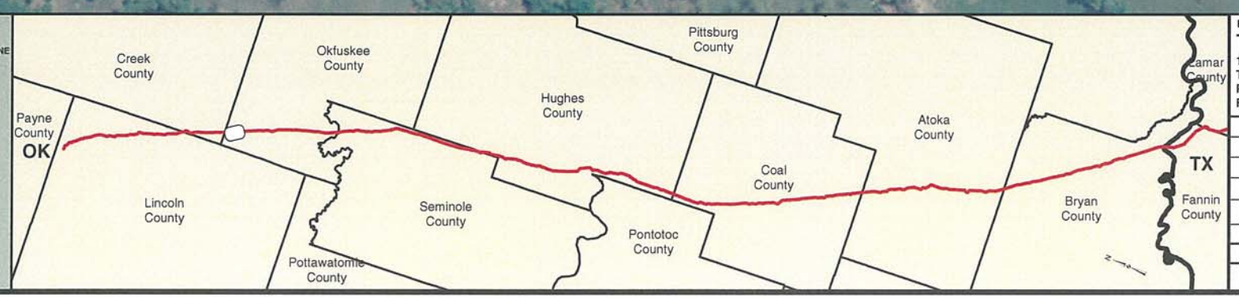

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KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

OKFUSKEE COUNTY, OKLAHOMA

MAP PARAMETERS
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DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
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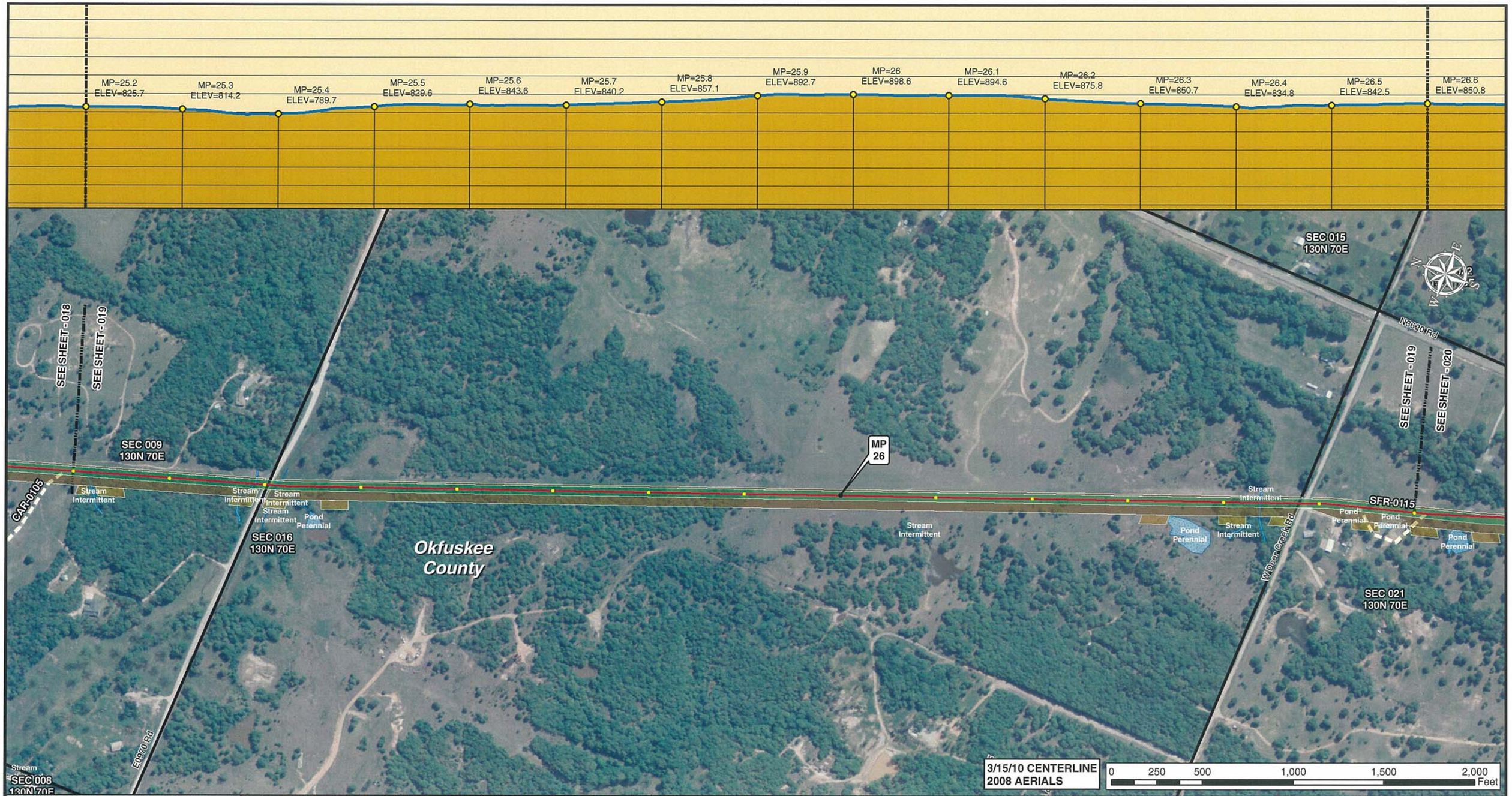

Legend

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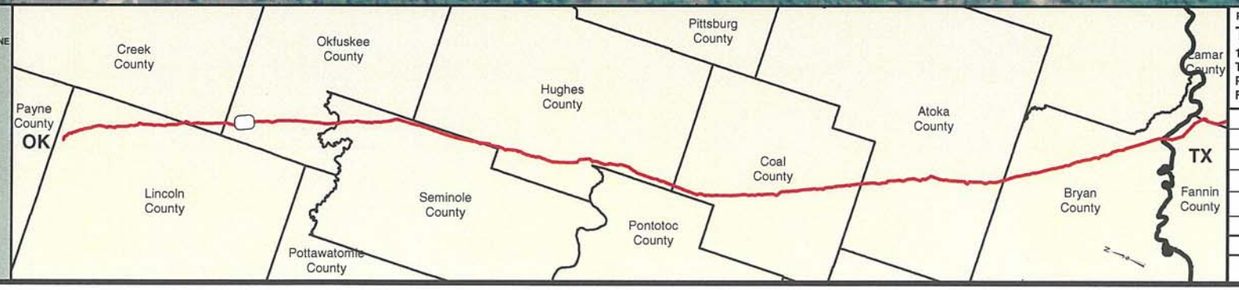

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OKFUSKEE COUNTY, OKLAHOMA

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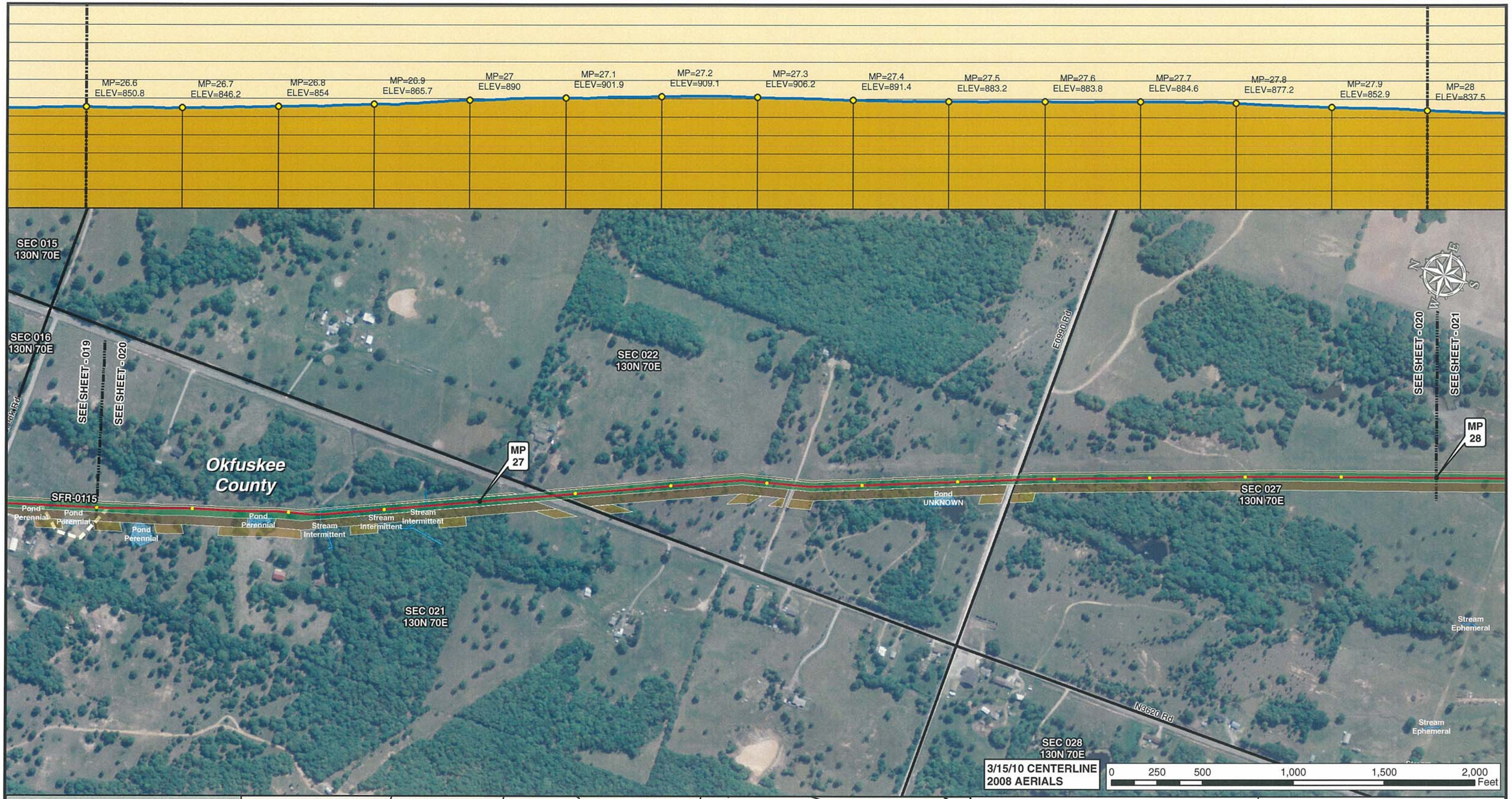

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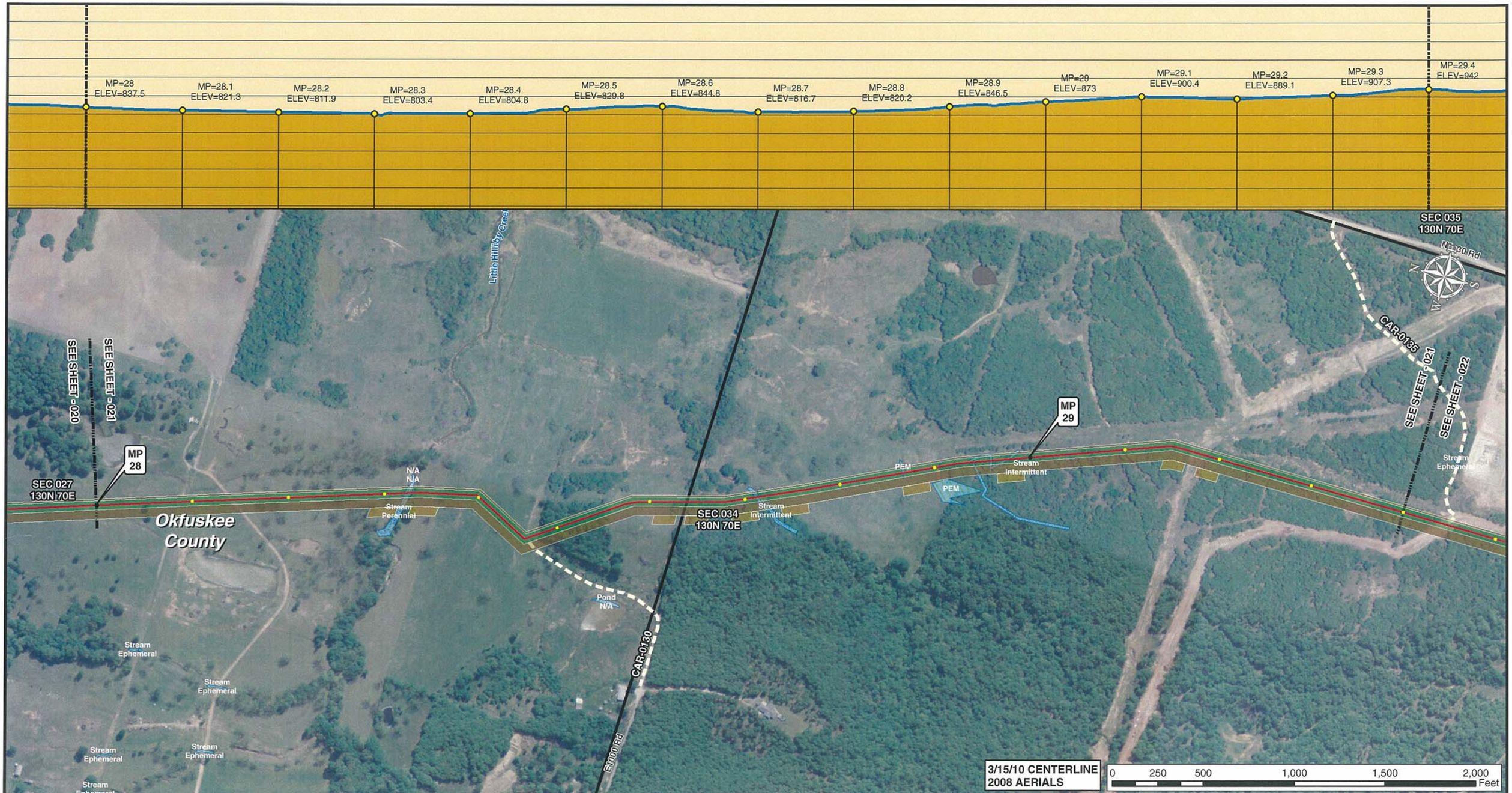

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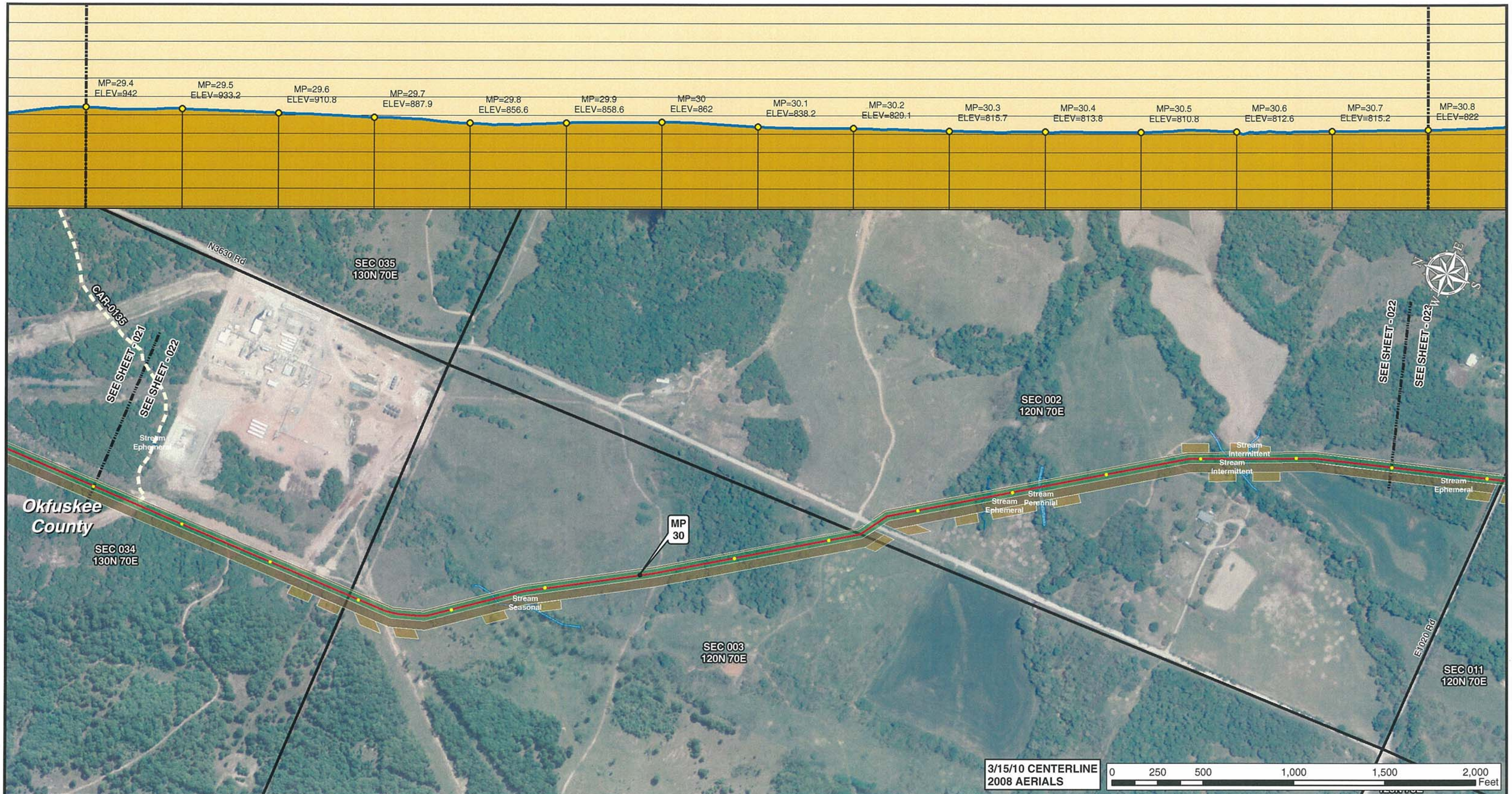

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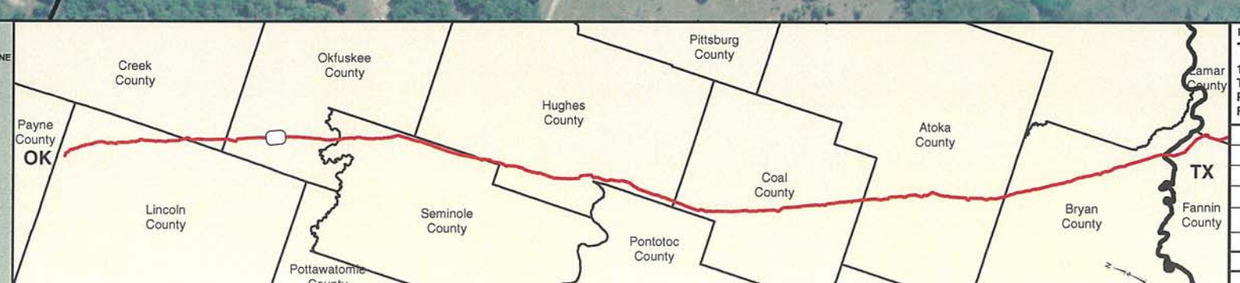

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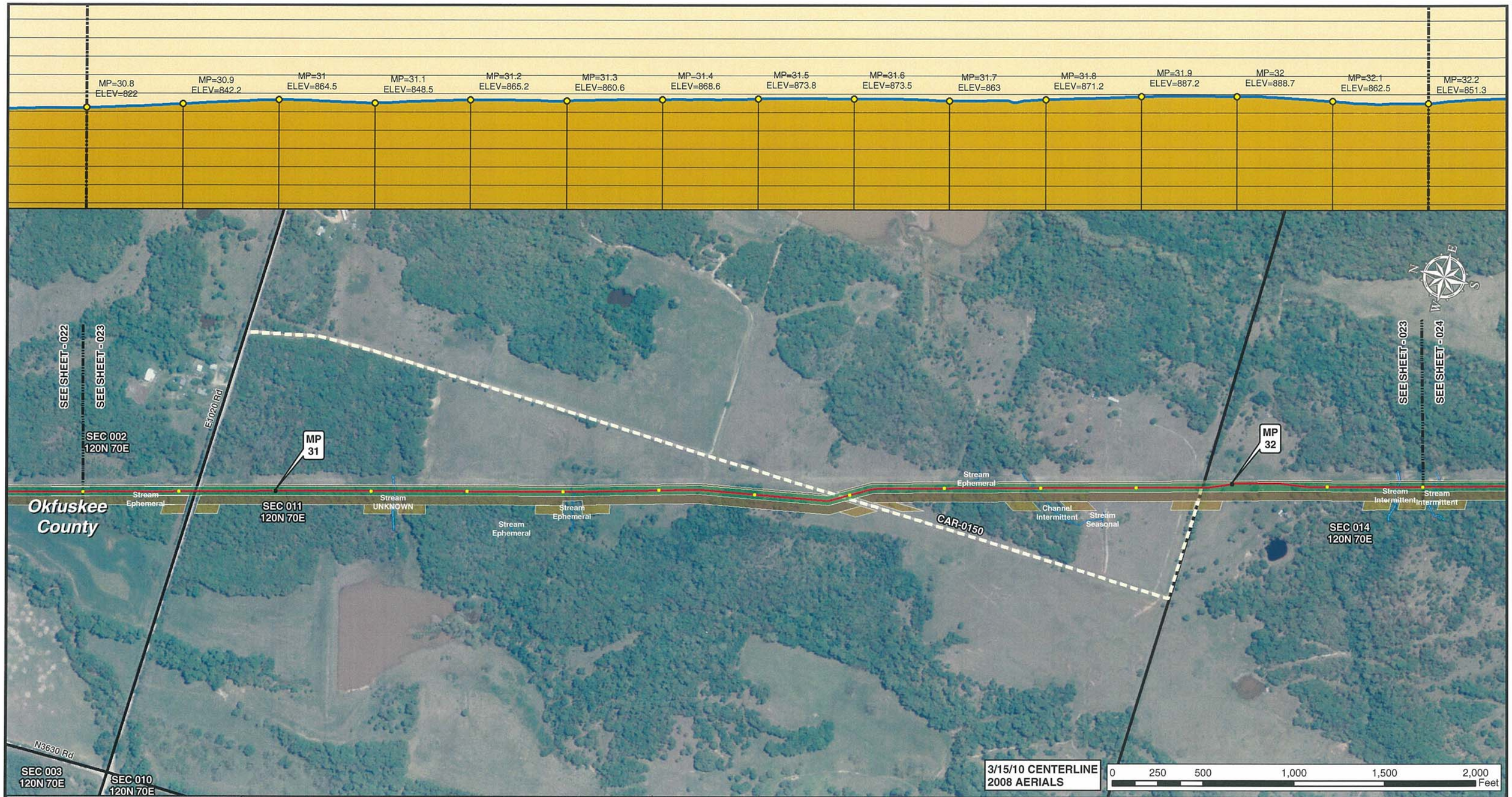

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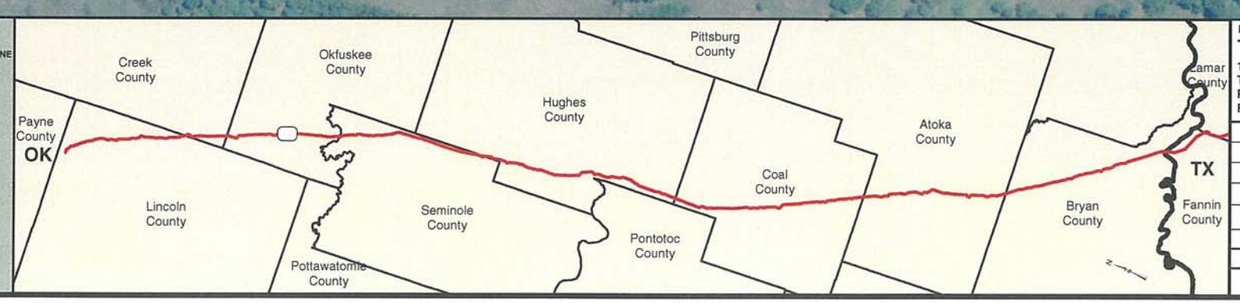

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Fax: 1-850-385-5523

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0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

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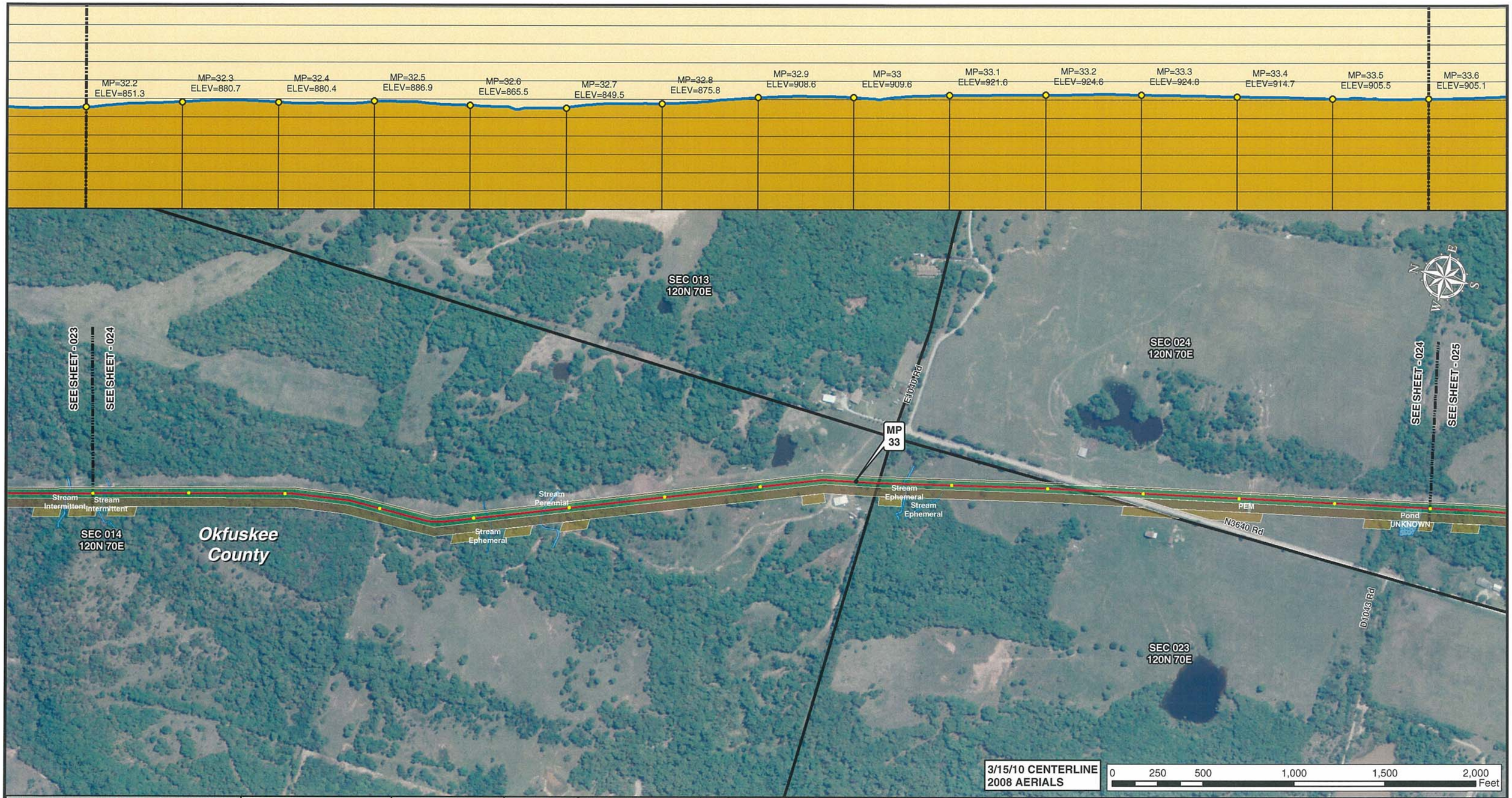
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

OKFUSKEE COUNTY, OKLAHOMA

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-40-ML-2002-P-023 -A	023	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
- ACCESS ROAD
- TRANSMISSION LINE
- PUMP STATION
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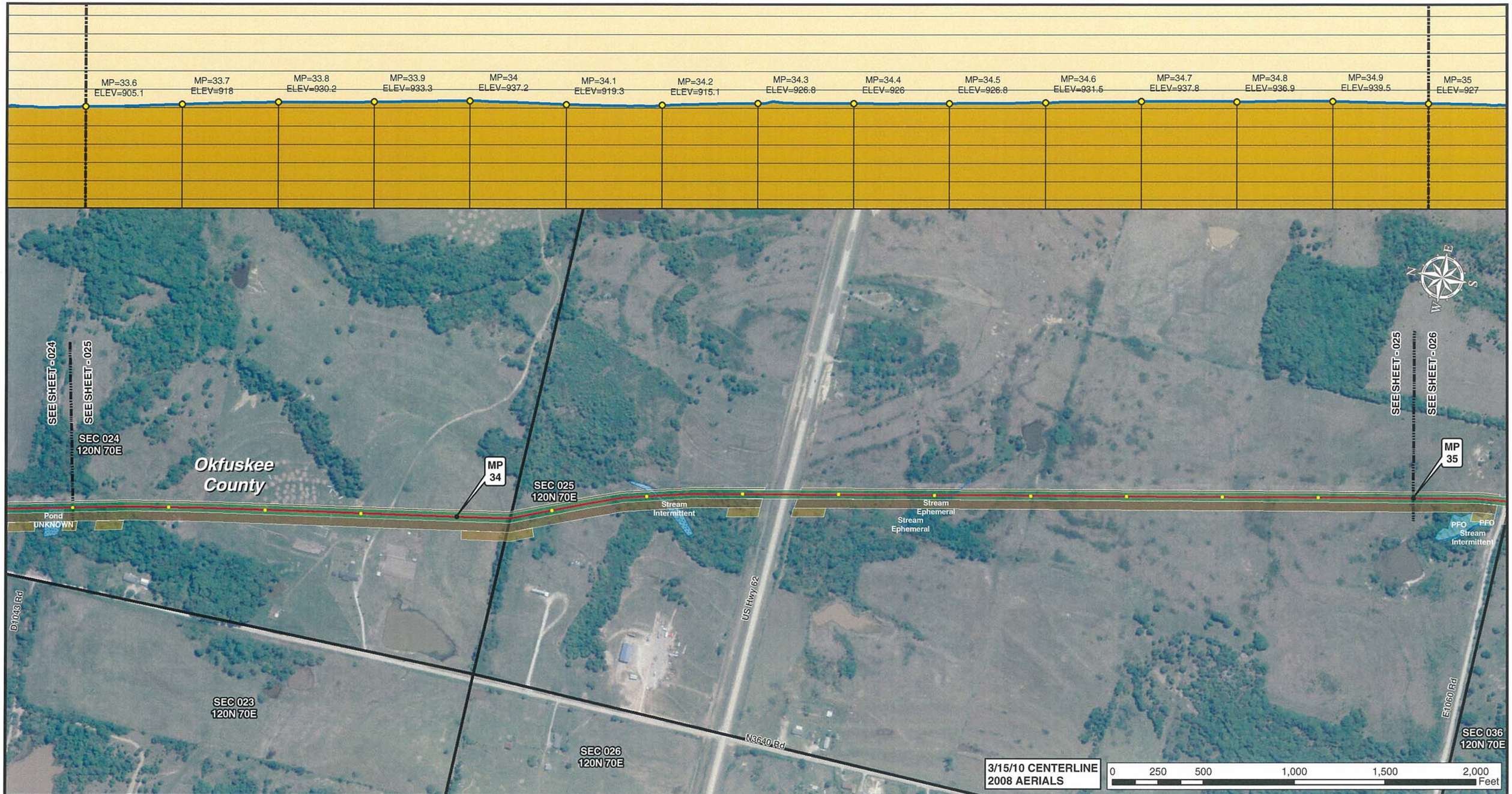
GS	SS	RG	50388X	XL-40-ML-2002-P-024 -A	024	2



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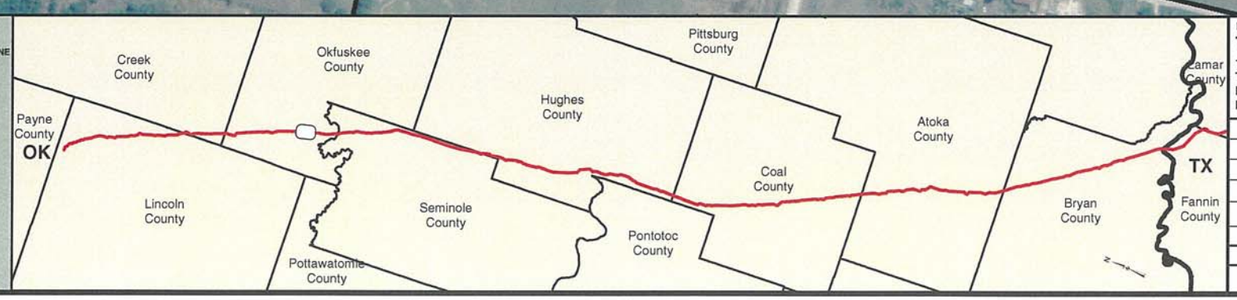

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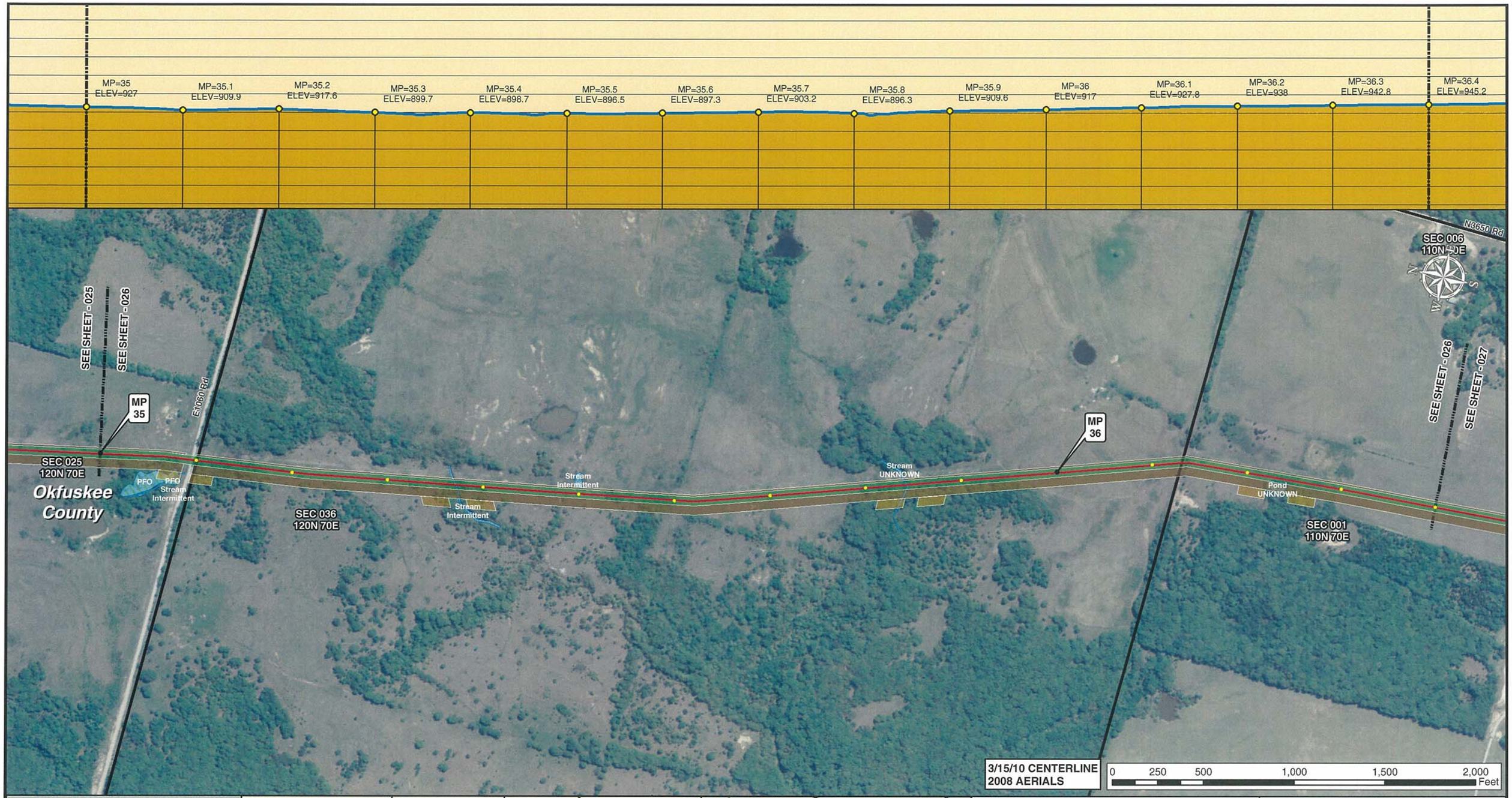

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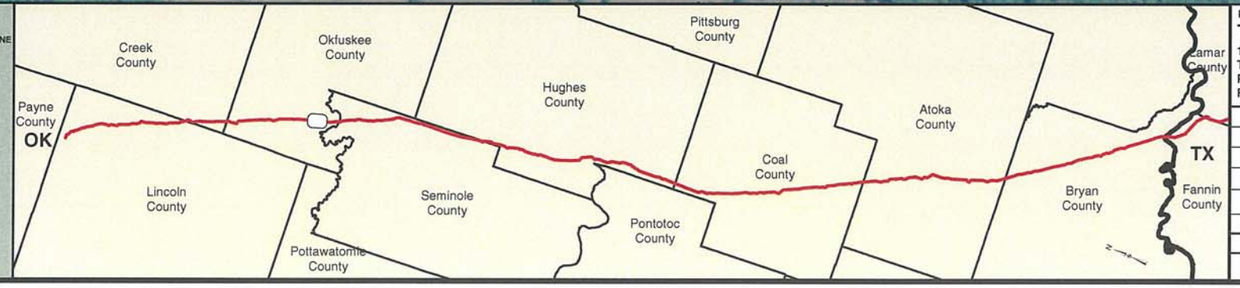

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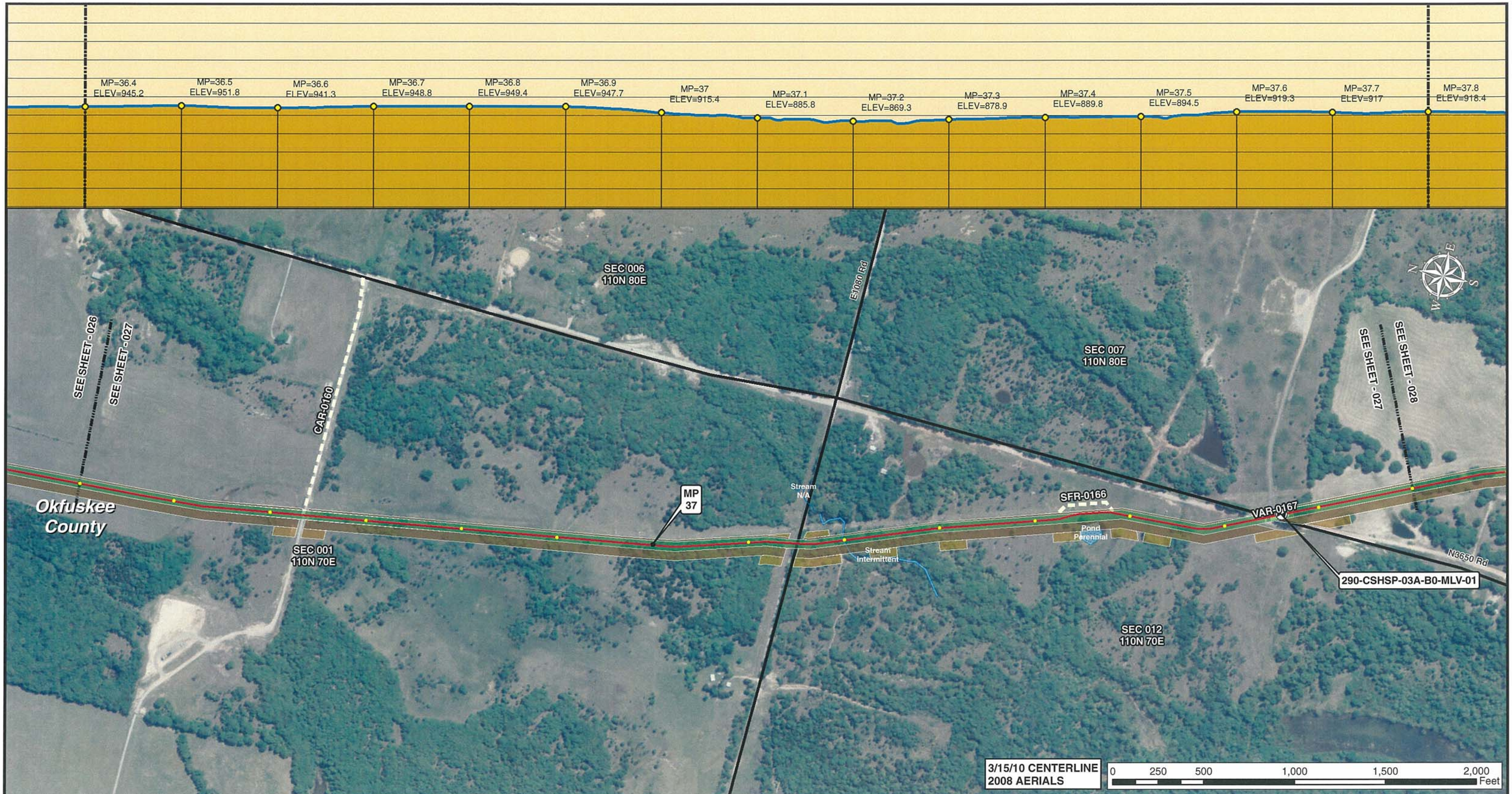

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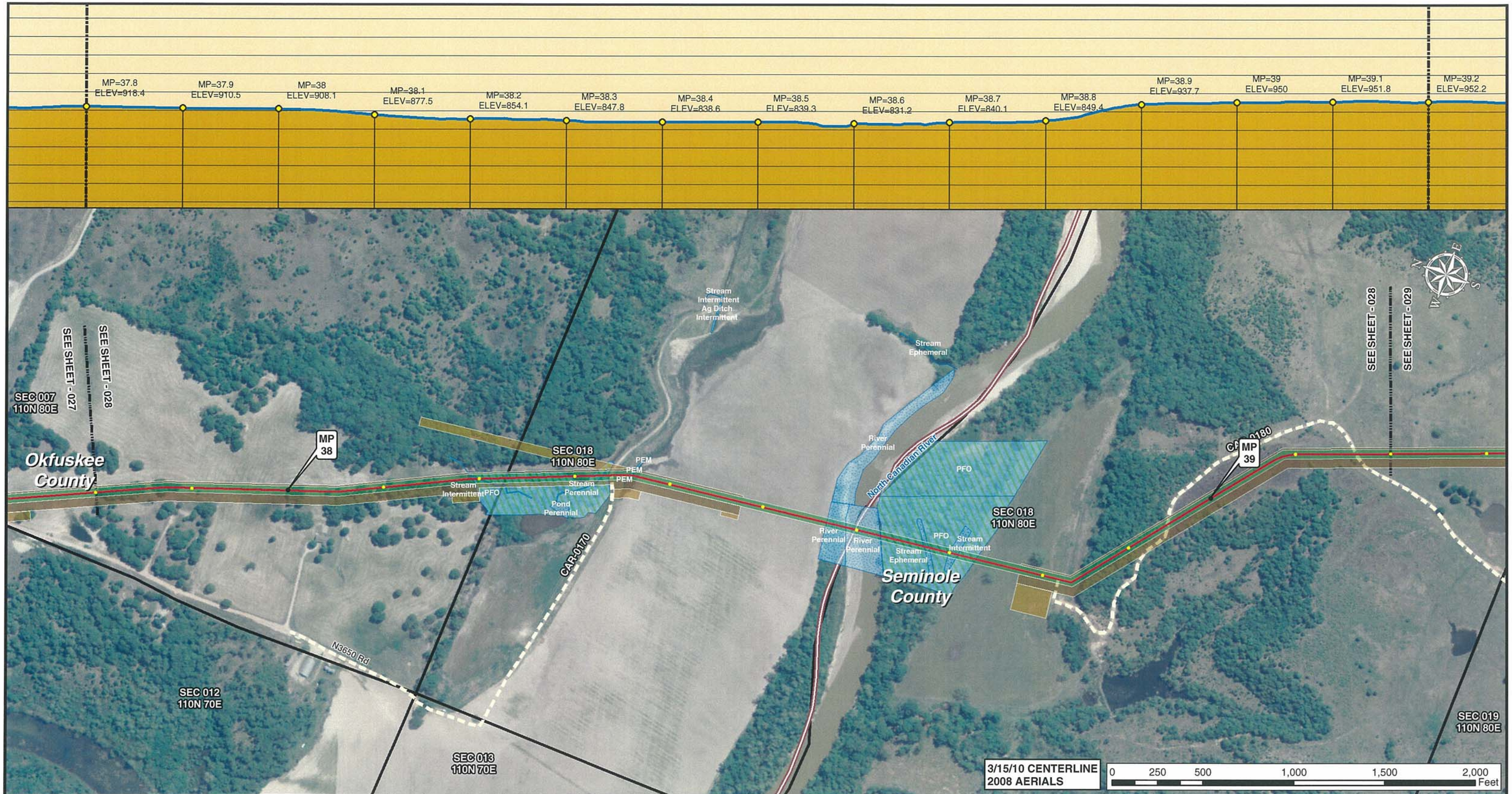

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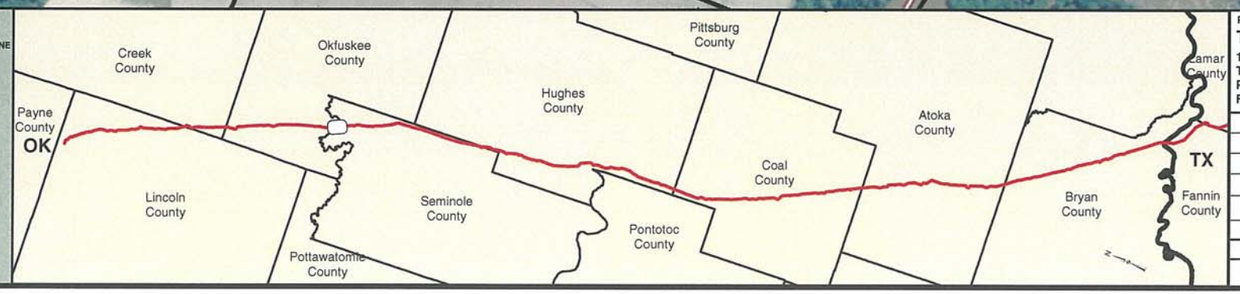

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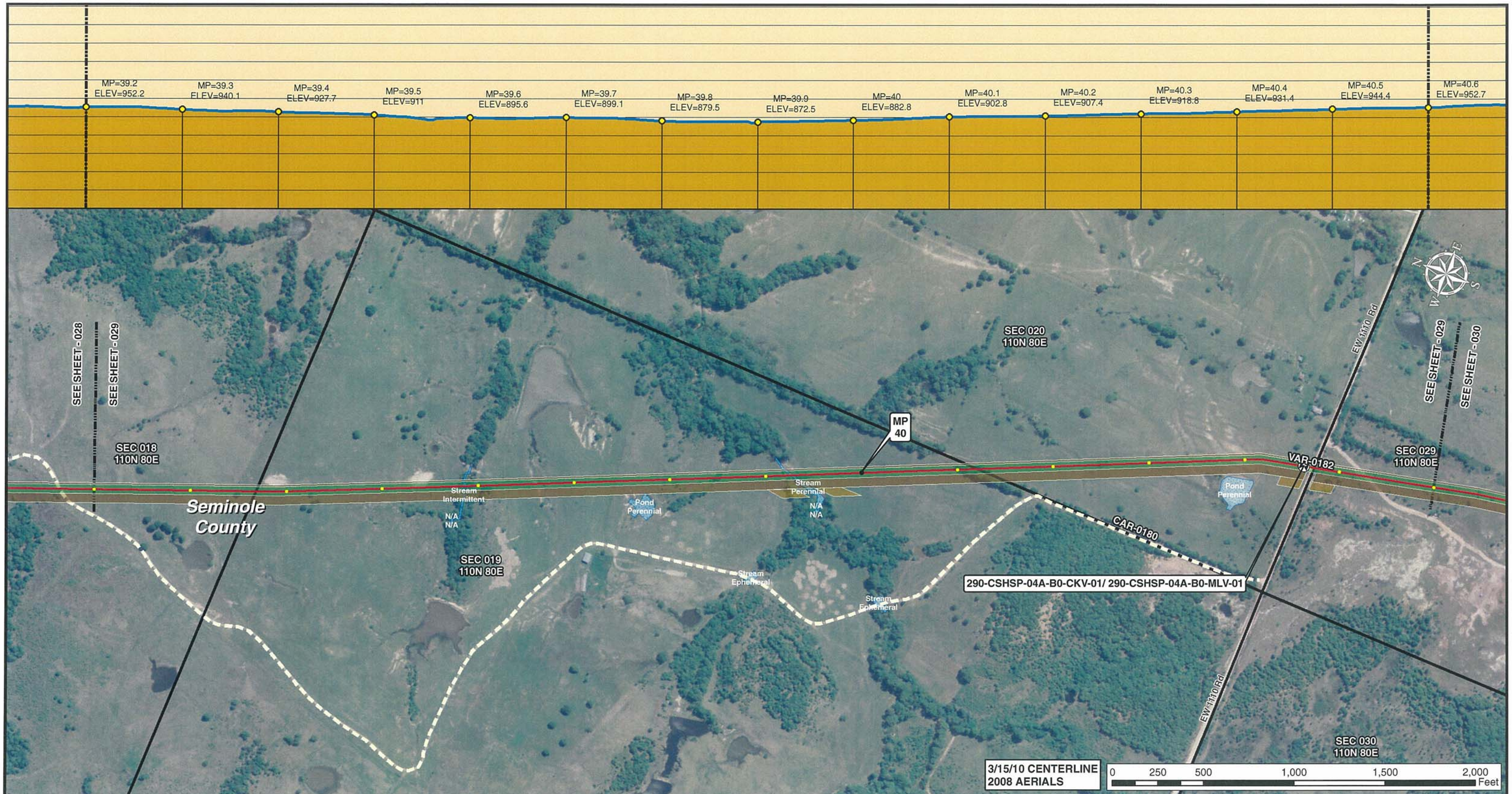

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SEMINOLE COUNTY, OKLAHOMA

MAP PARAMETERS
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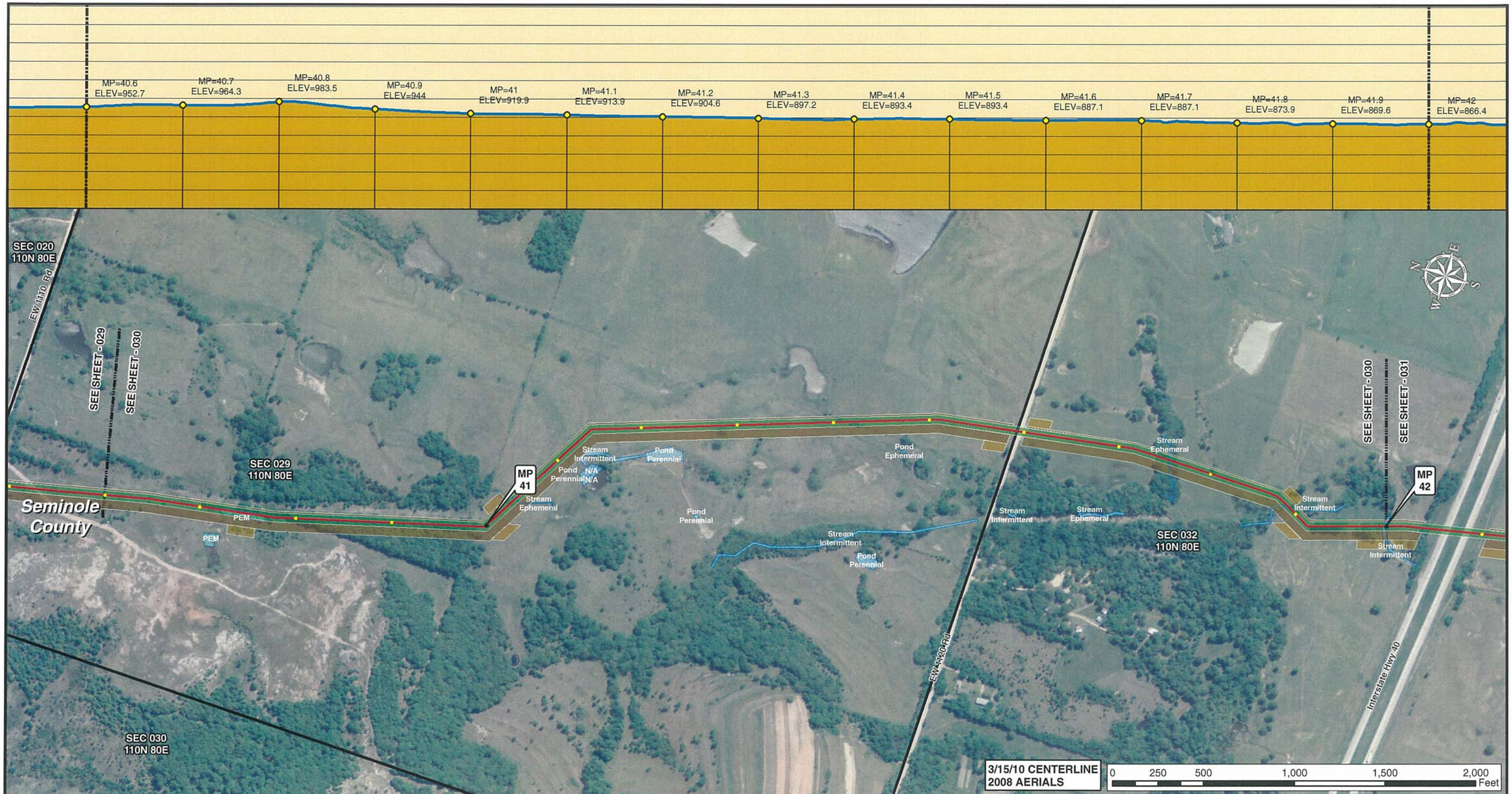

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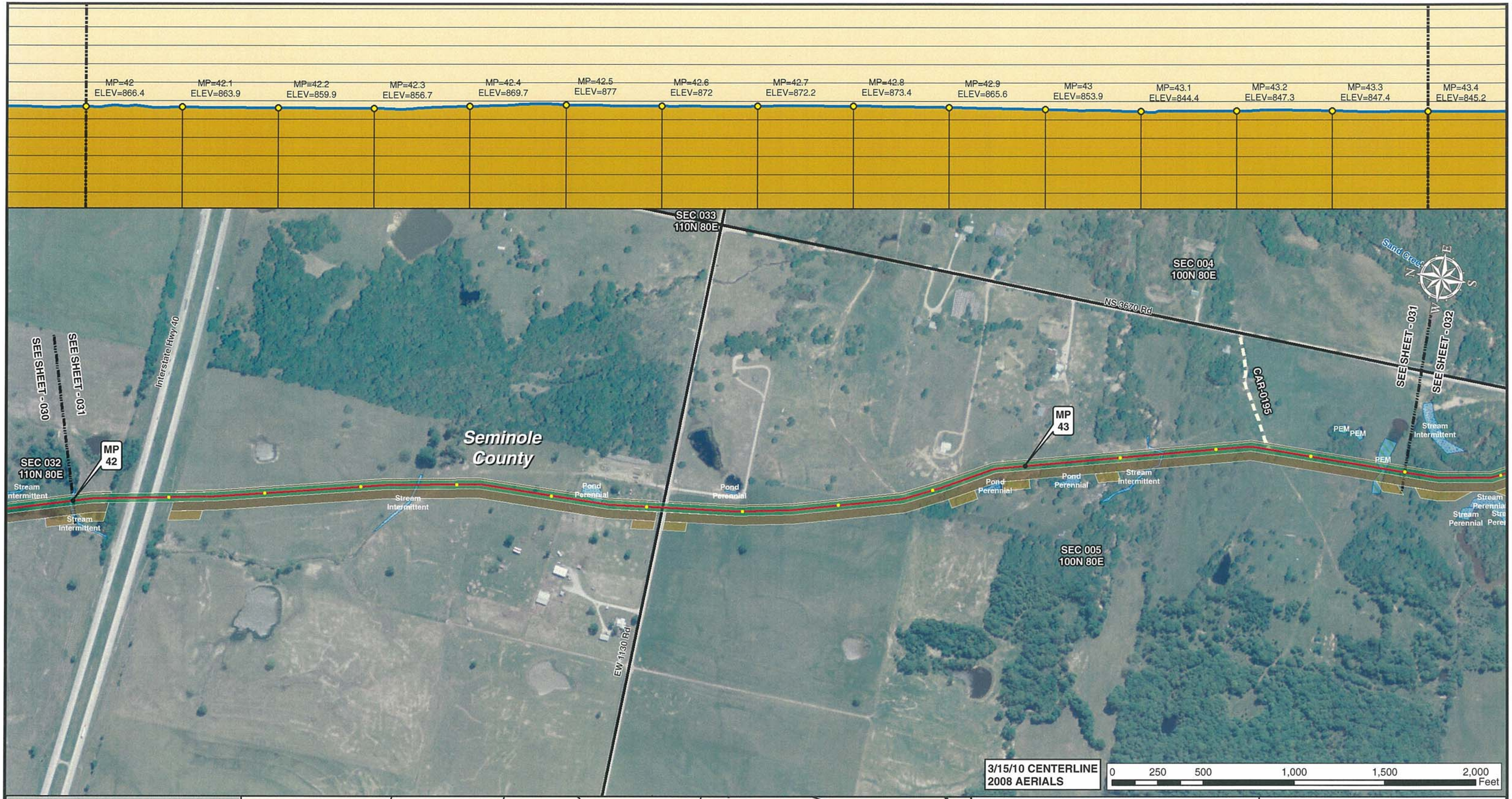
GS	SS	RG	50388X	XL-40-ML-2002-P-030 -A	030	2



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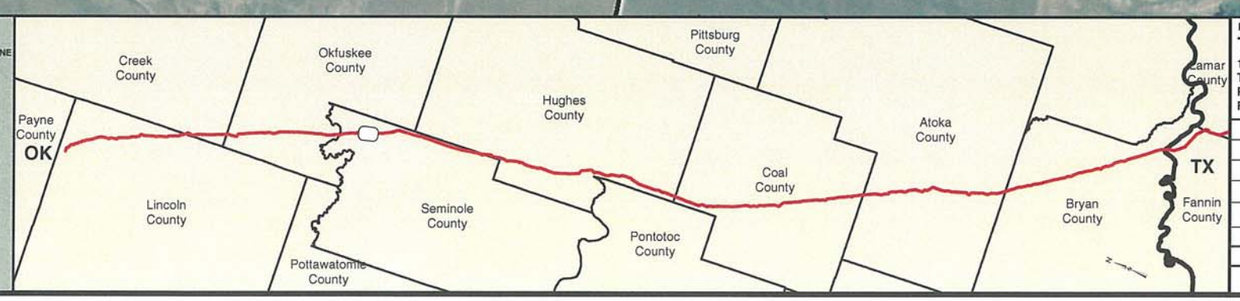

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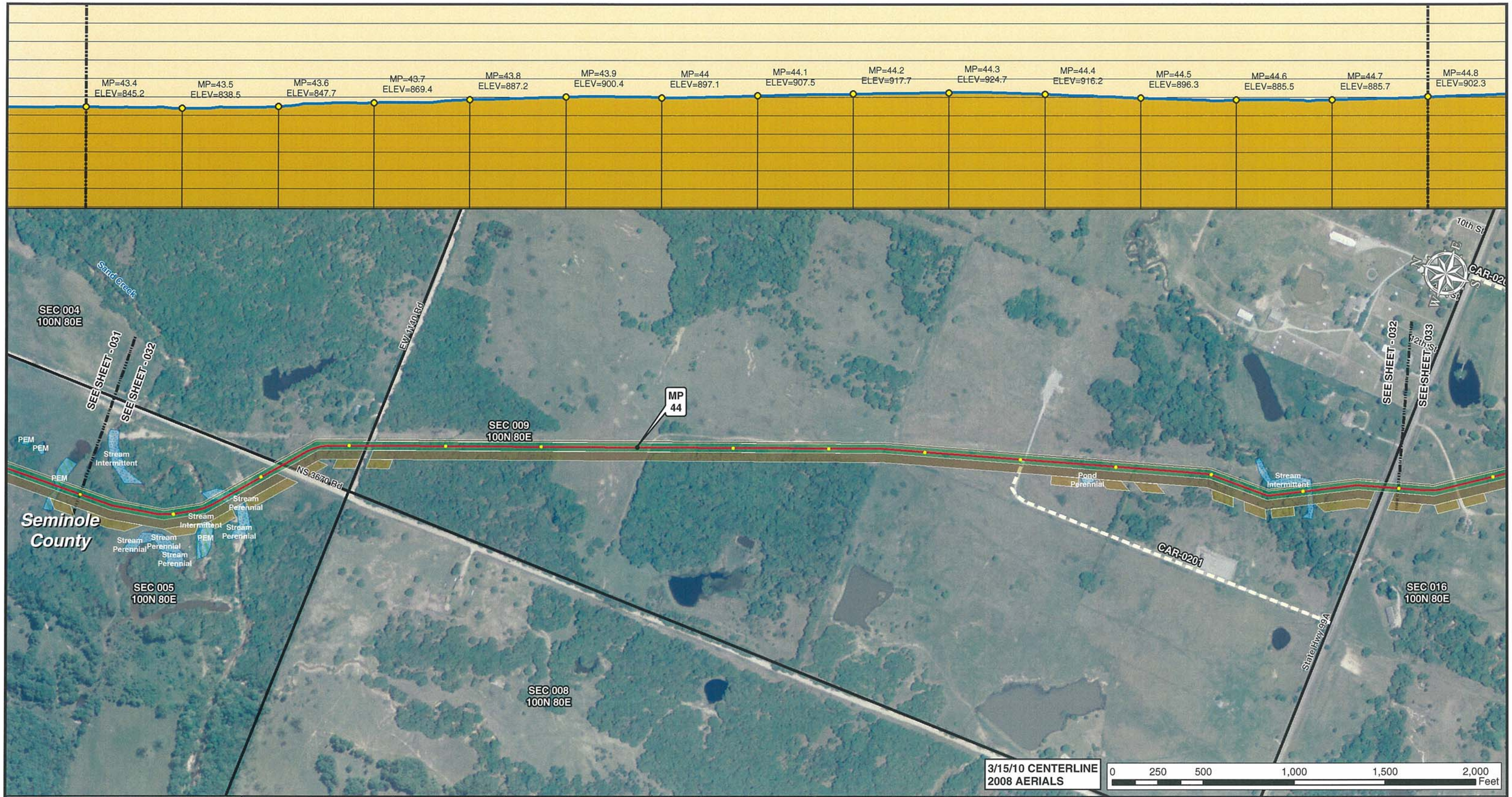

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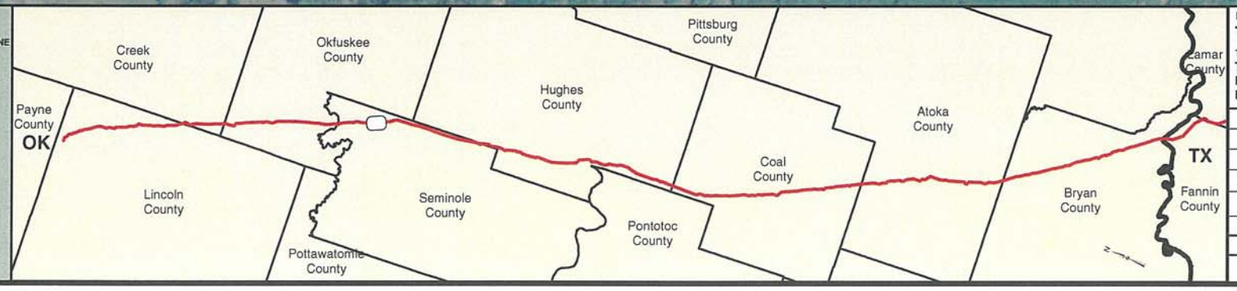

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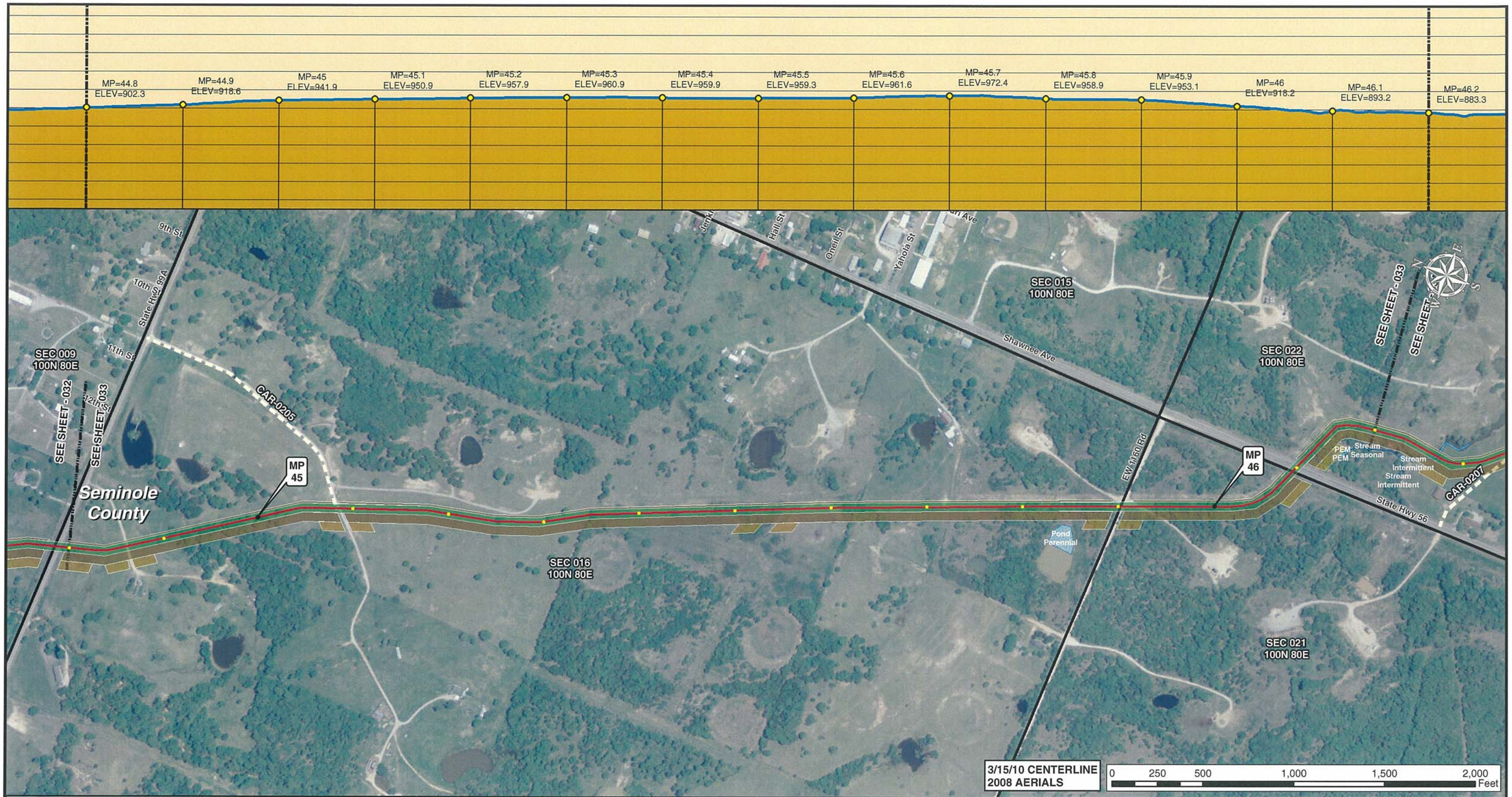

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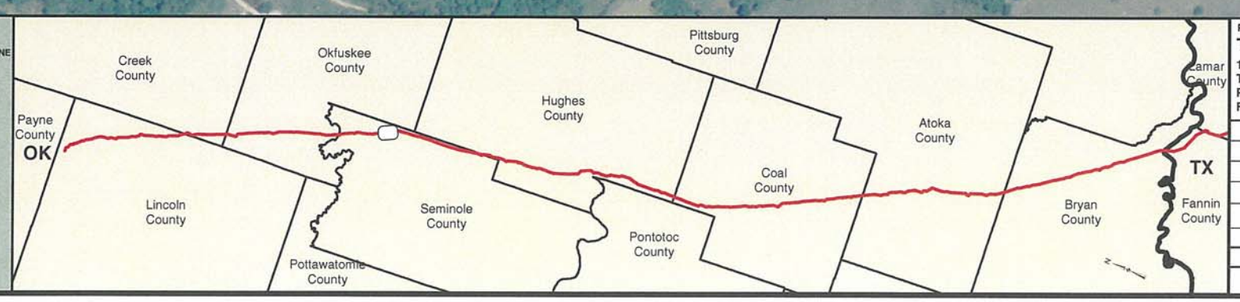

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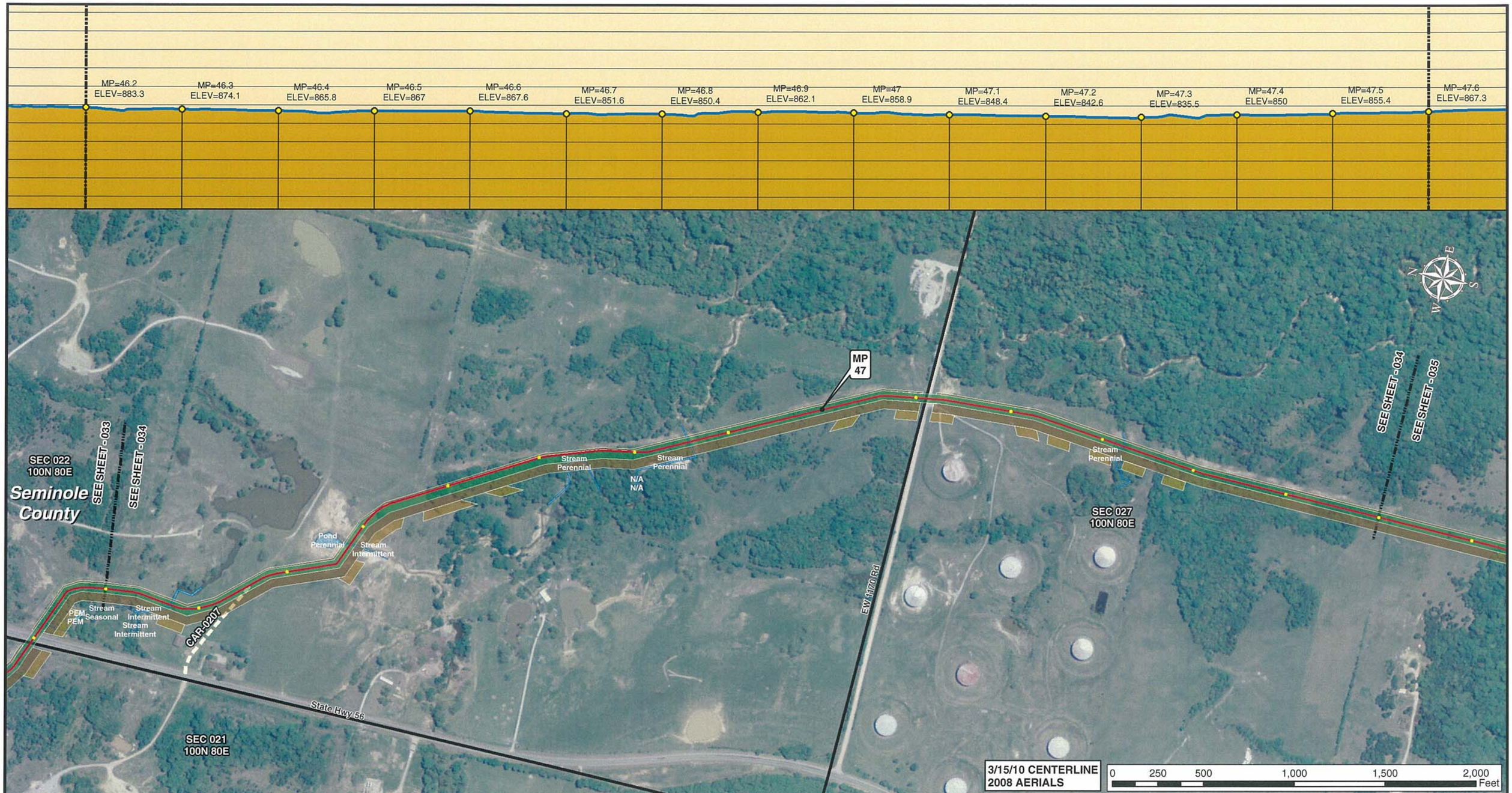
GS	SS	RG	50388X	XL-40-ML-2002-P-033 -A	033	2



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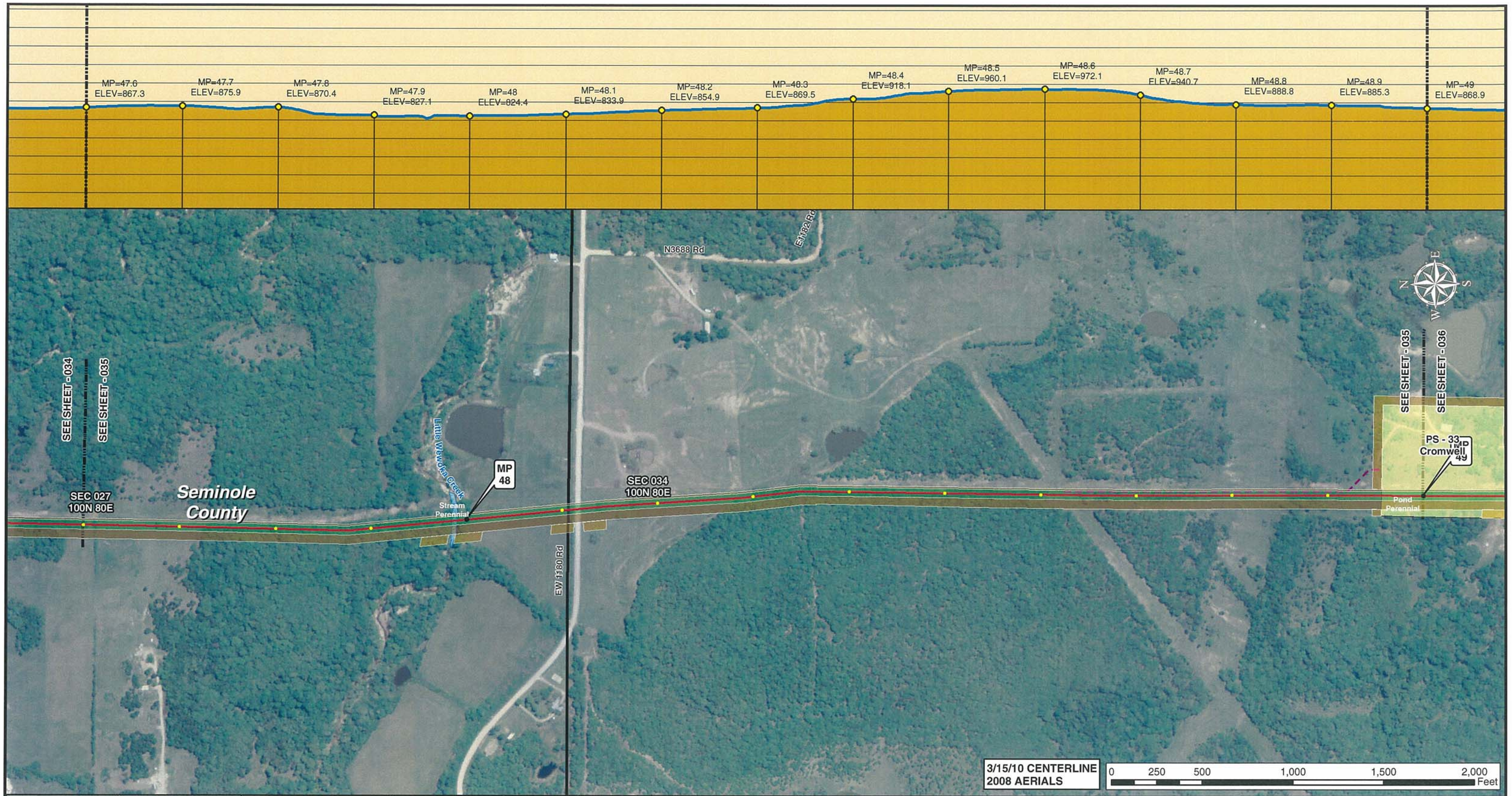
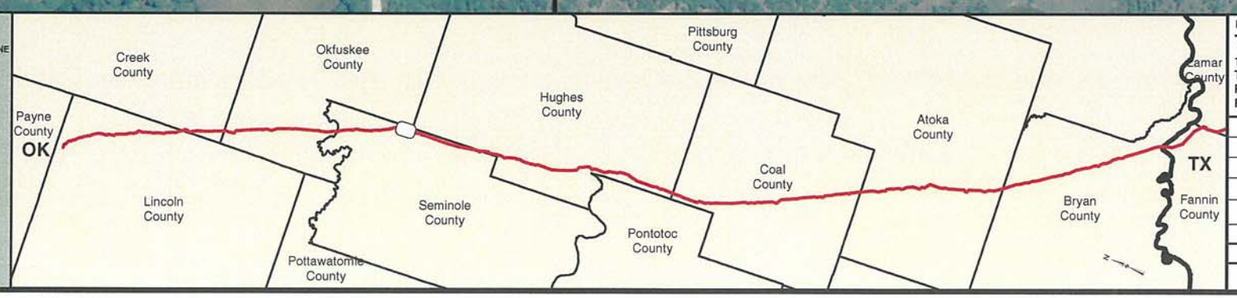
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-40-ML-2002-P-034 -A	034	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
- ACCESS ROAD
- TRANSMISSION LINE
- PUMP STATION
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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1300 Metropolitan Boulevard, Suite 200
Tallahassee, Florida , USA 32308
Phone: 1-850-385-5441
Fax: 1-850-385-5523
Trow

NO.	REVISION	DATE
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1	ISSUED FOR SUPPLEMENTAL U.S. DEPT. OF STATE FILING (2.19.09 CL)	7.6.09
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

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In business to deliver

KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

SEMINOLE COUNTY, OKLAHOMA

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

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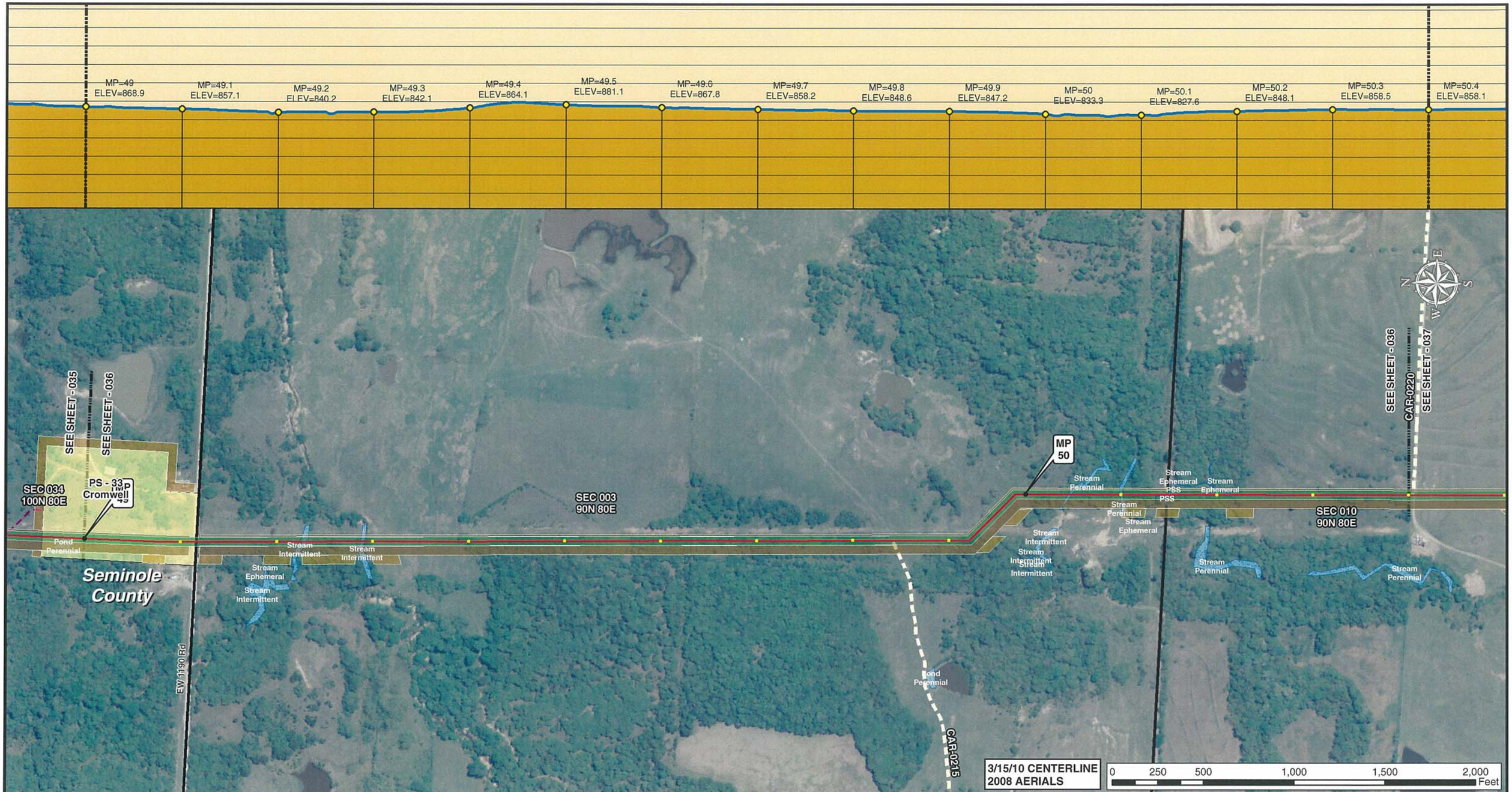

Legend

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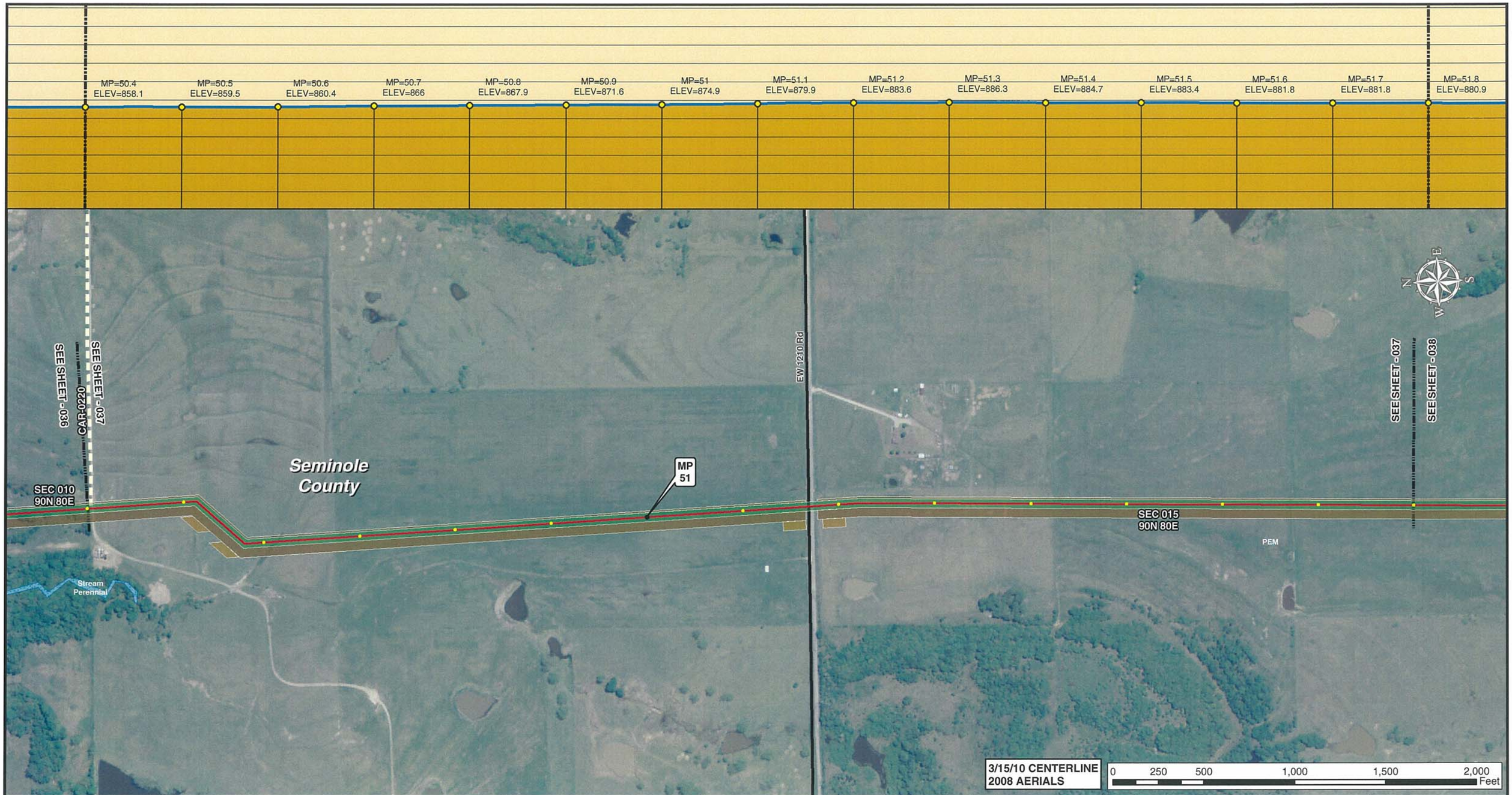
GS	SS	RG	50388X	XL-40-ML-2002-P-036 -A	036	2



Legend

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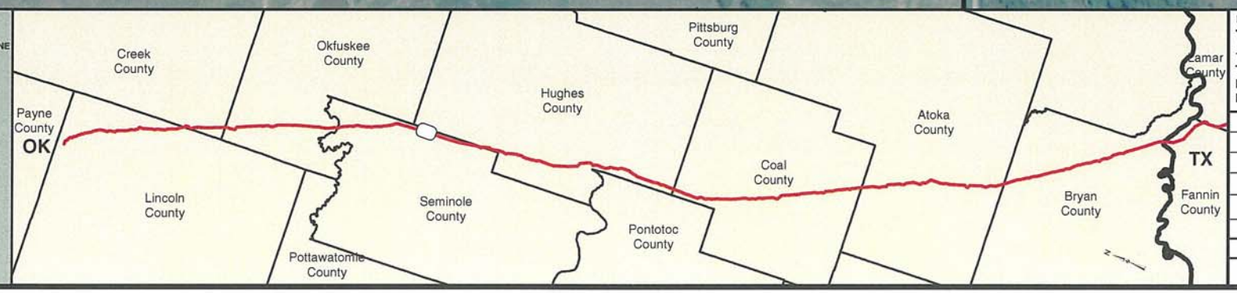

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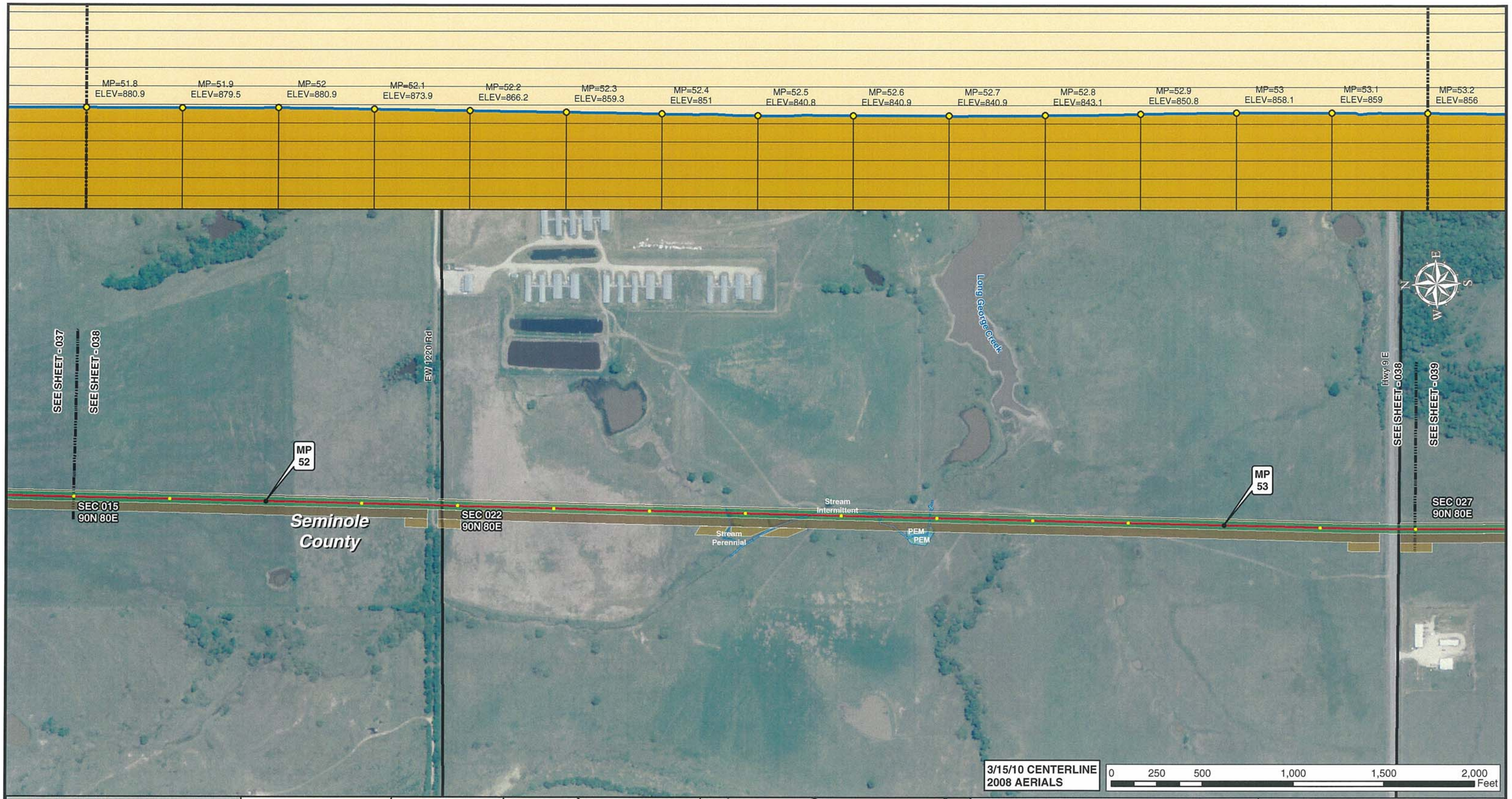
GS	SS	RG	50388X	XL-40-ML-2002-P-037 -A	037	2



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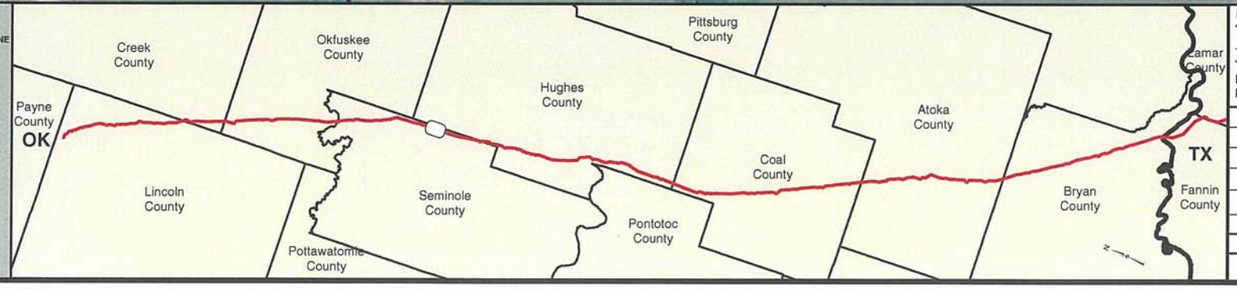

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GS	SS	RG	50388X	XL-40-ML-2002-P-038 -A	038	2

Legend

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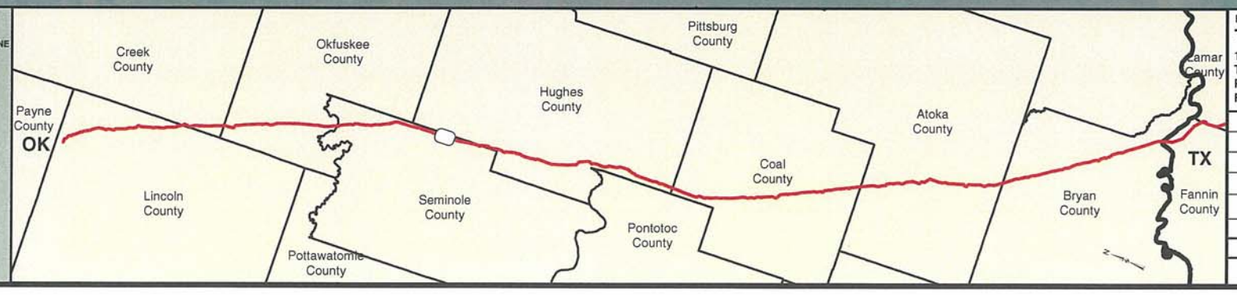

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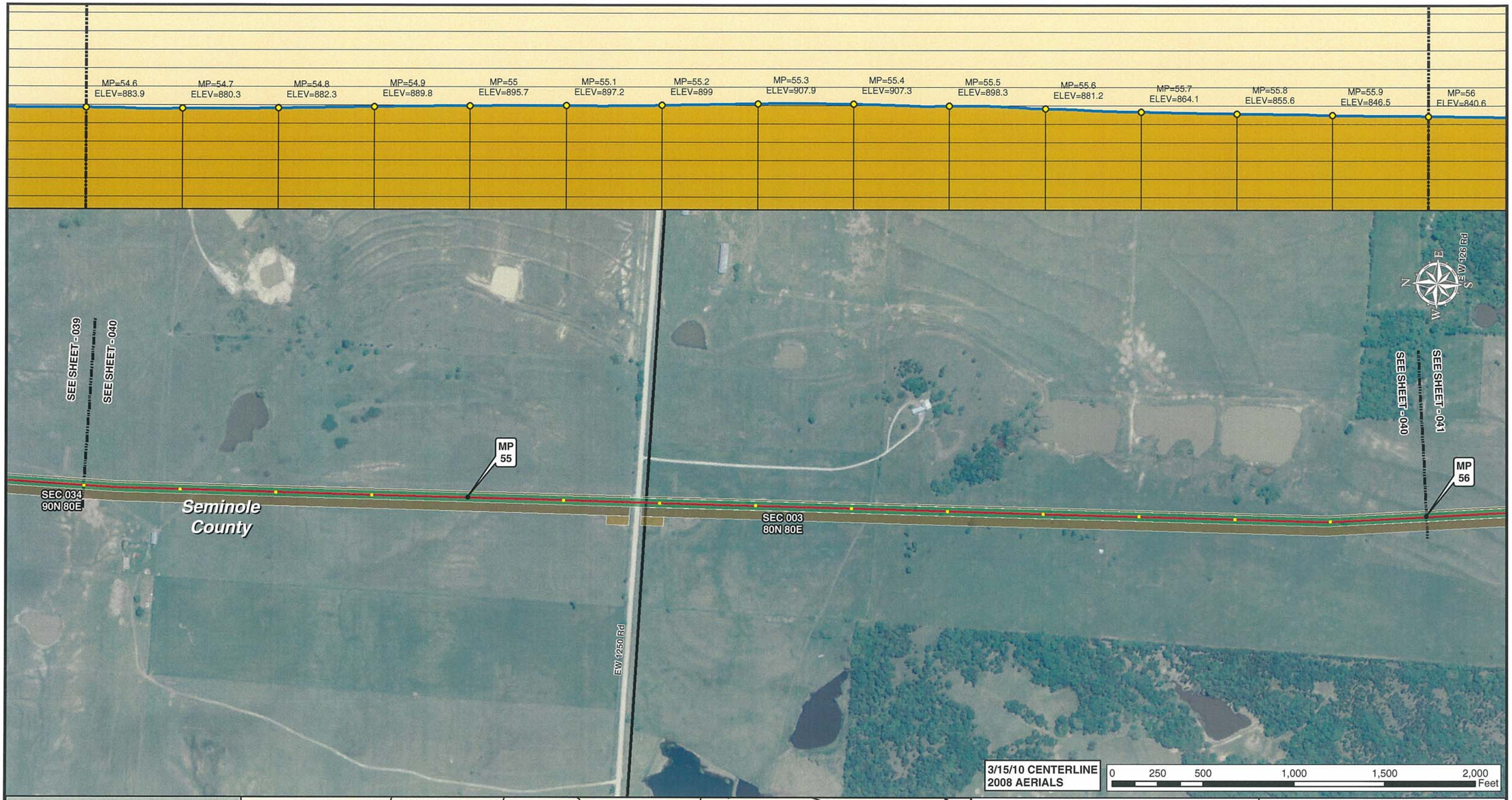
GS	SS	RG	50388X	XL-40-ML-2002-P-039 -A	039	2



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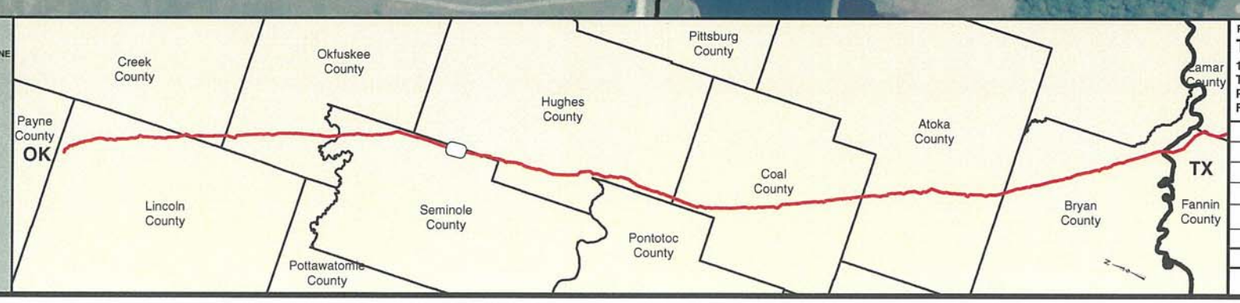

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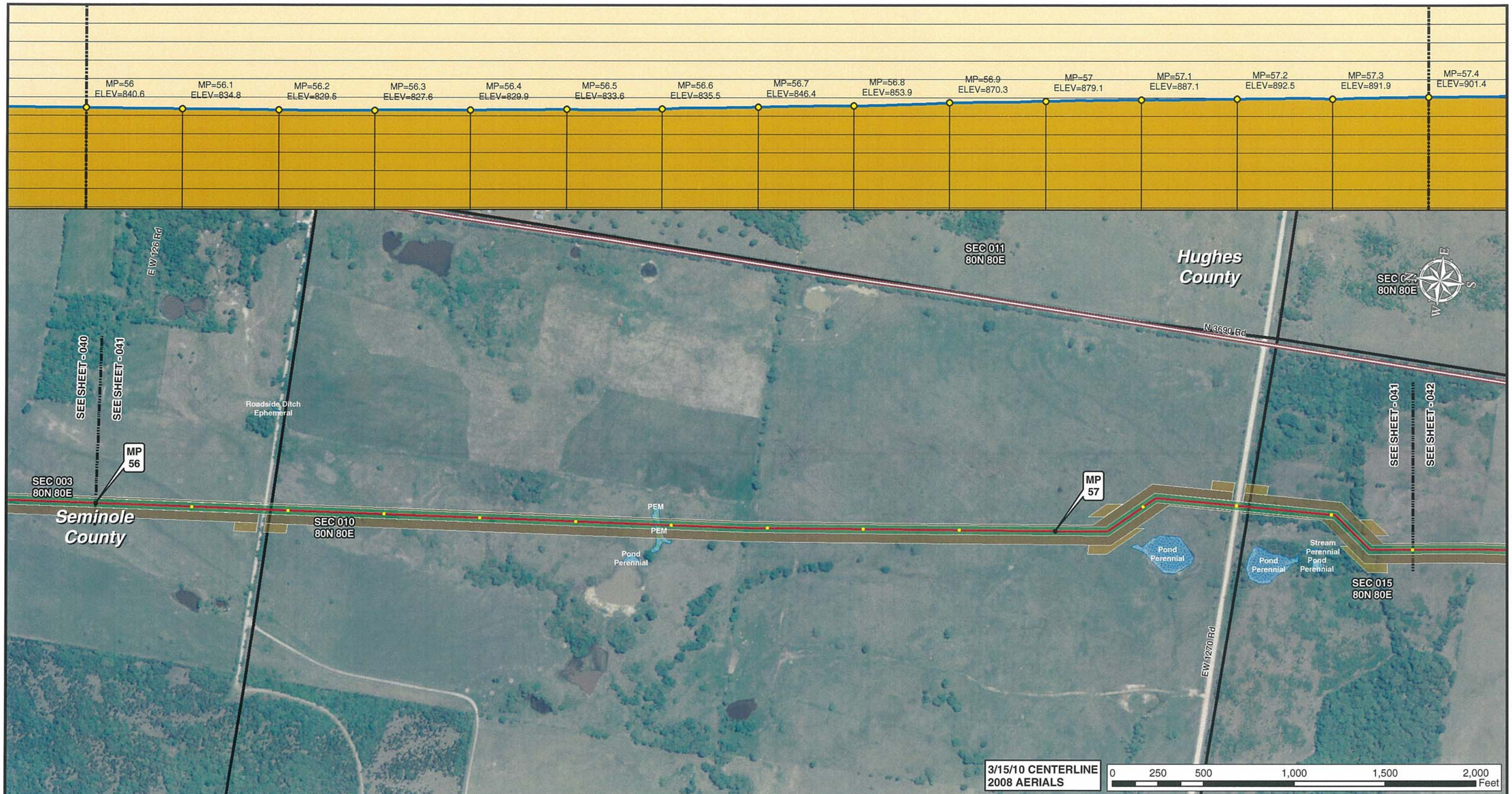

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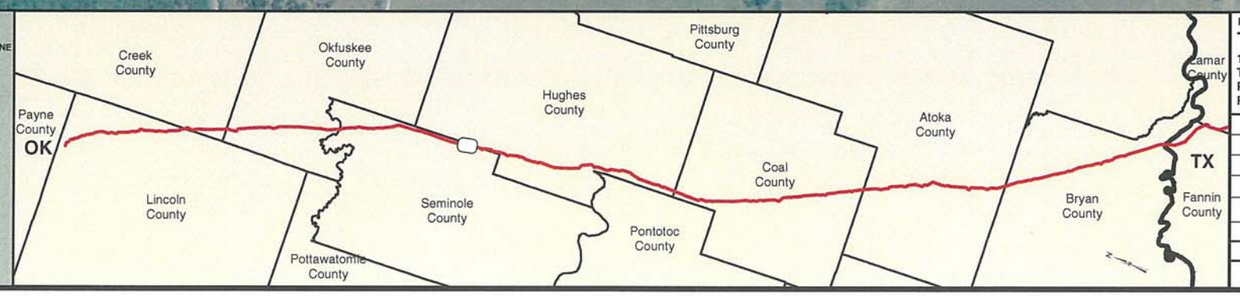

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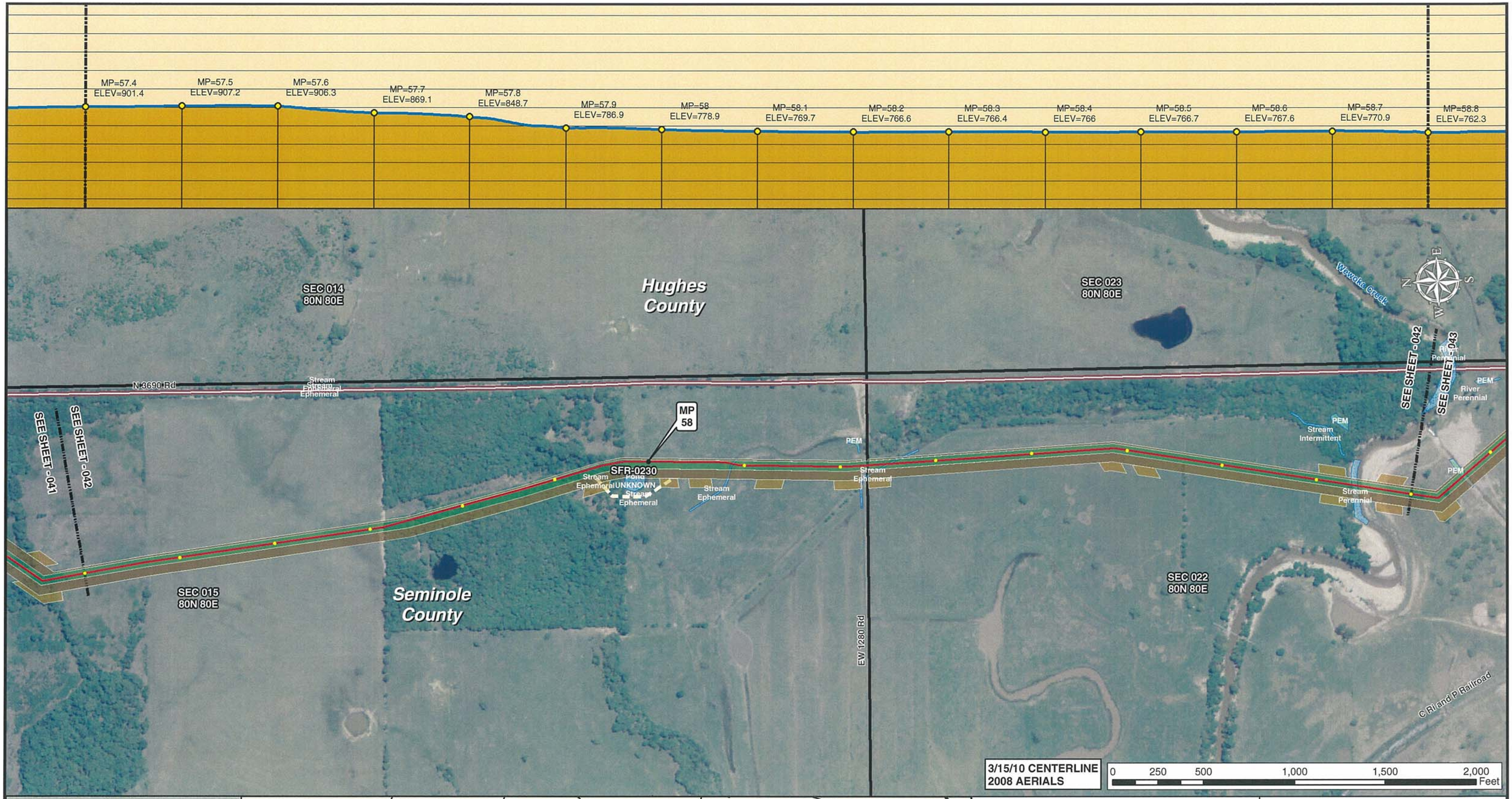
GS	SS	RG	50388X	XL-40-ML-2002-P-041 -A	041	2



Legend

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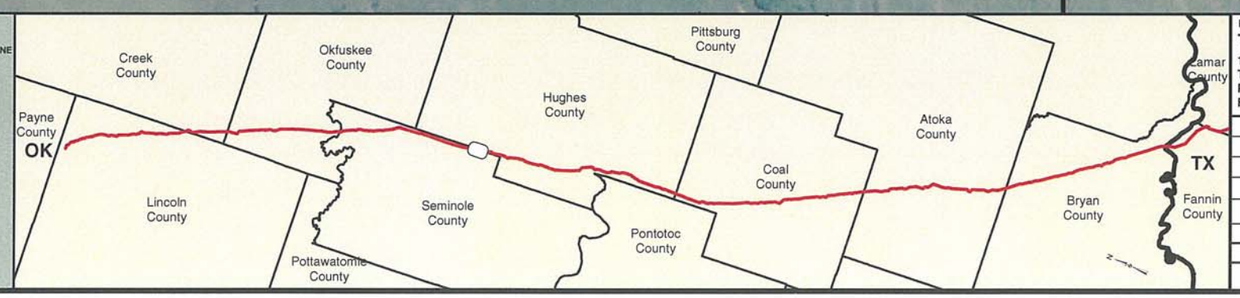

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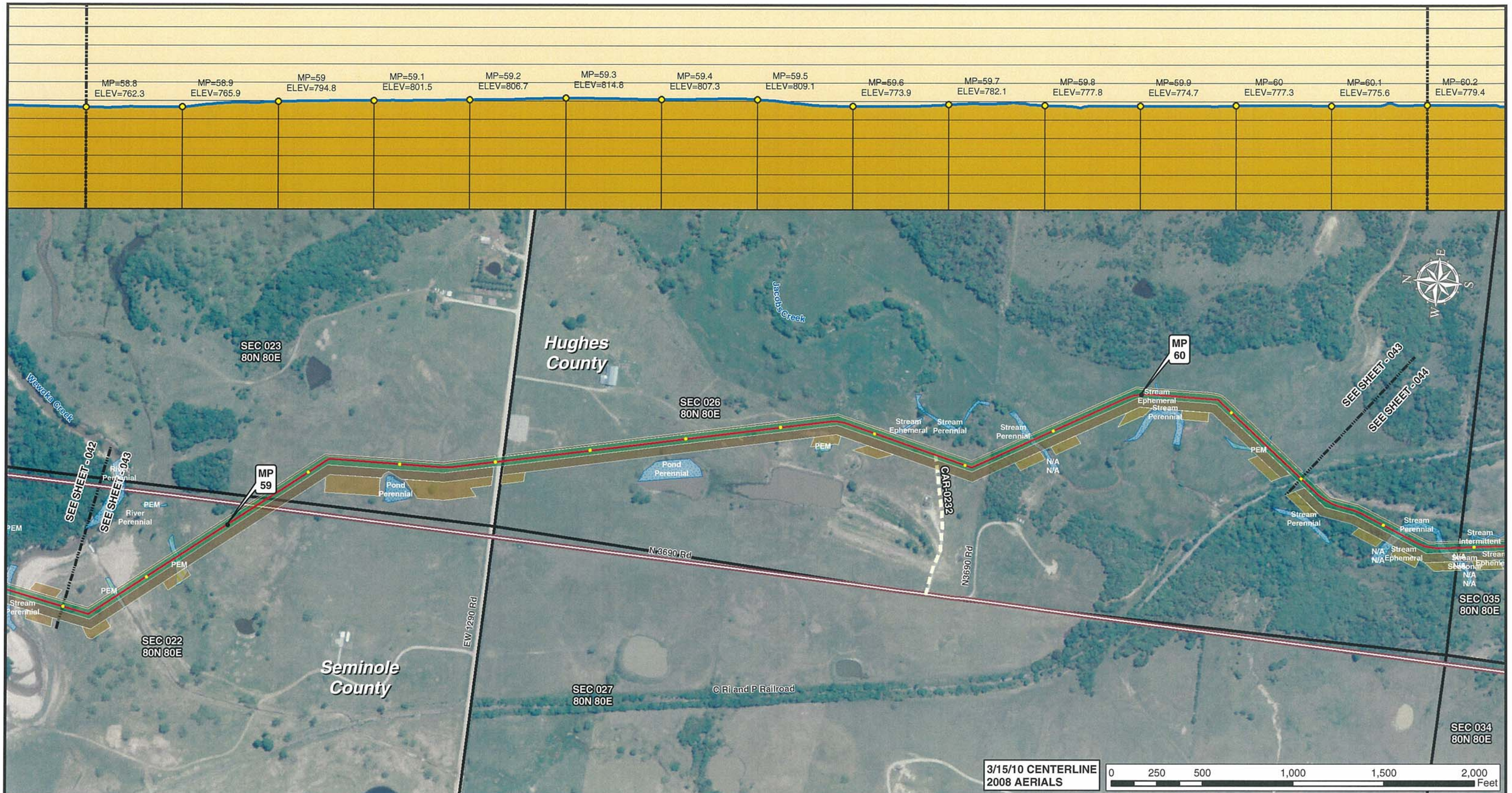
GS	SS	RG	50388X	XL-40-ML-2002-P-042 -A	042	2



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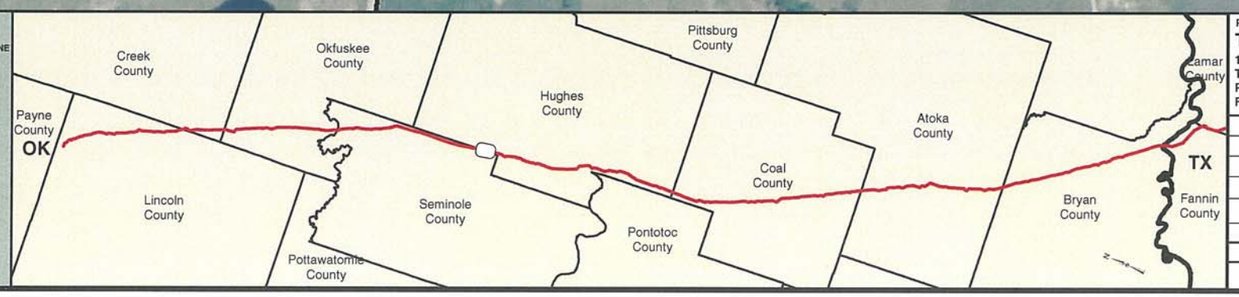

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HUGHES COUNTY, OKLAHOMA

MAP PARAMETERS
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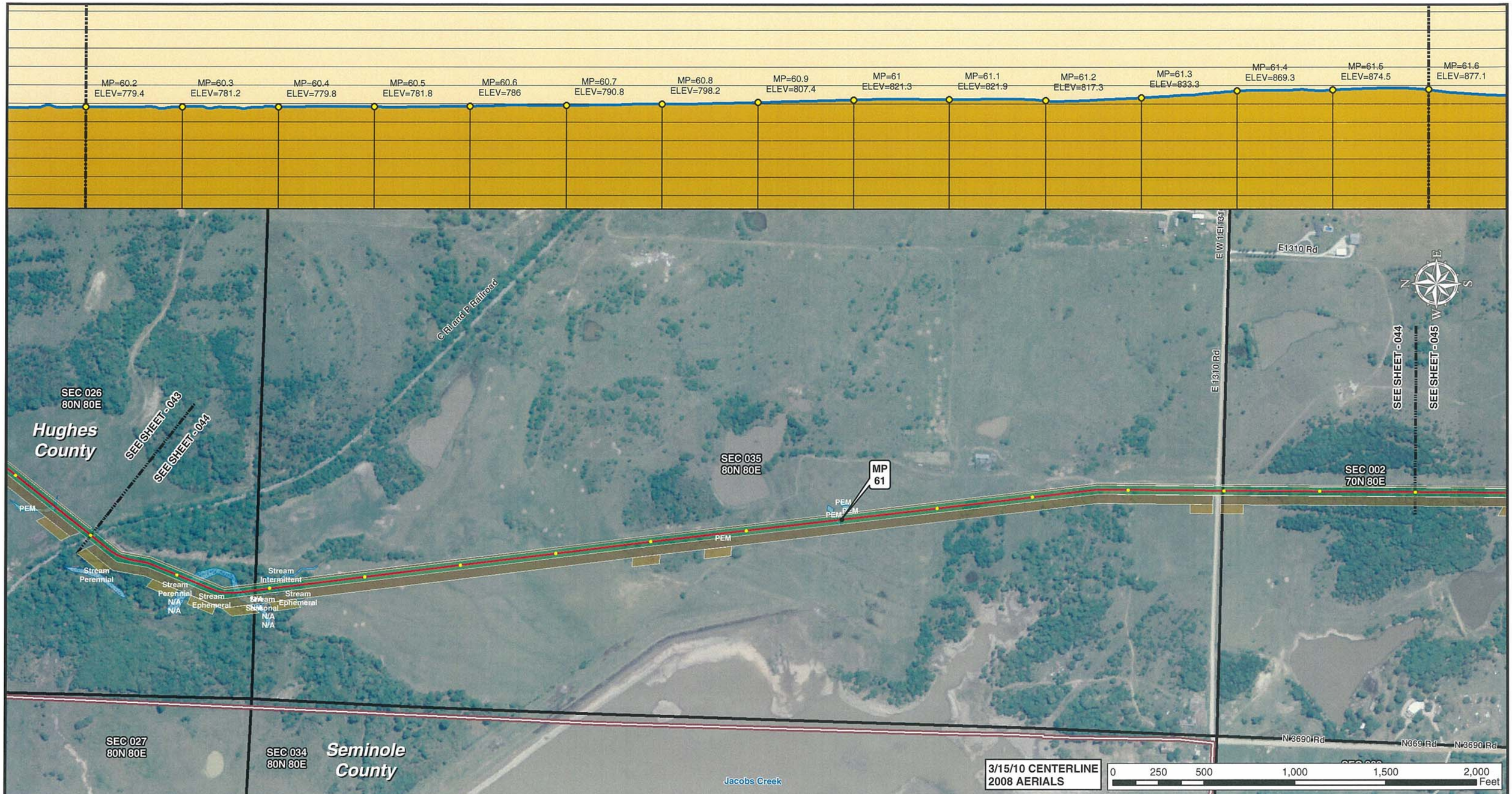

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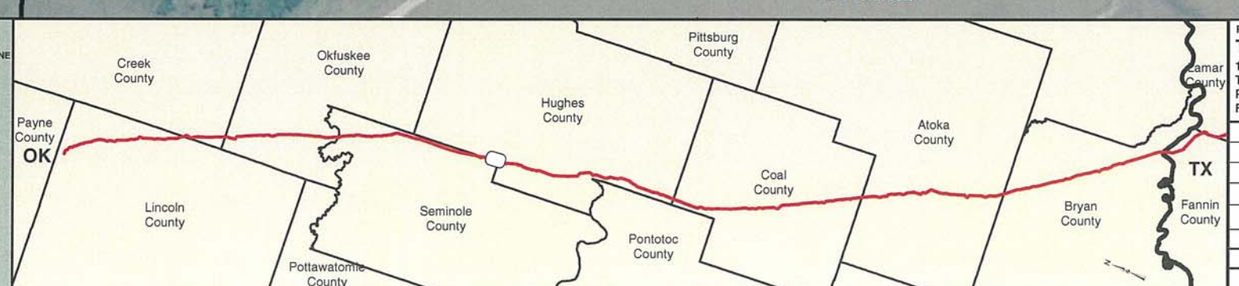

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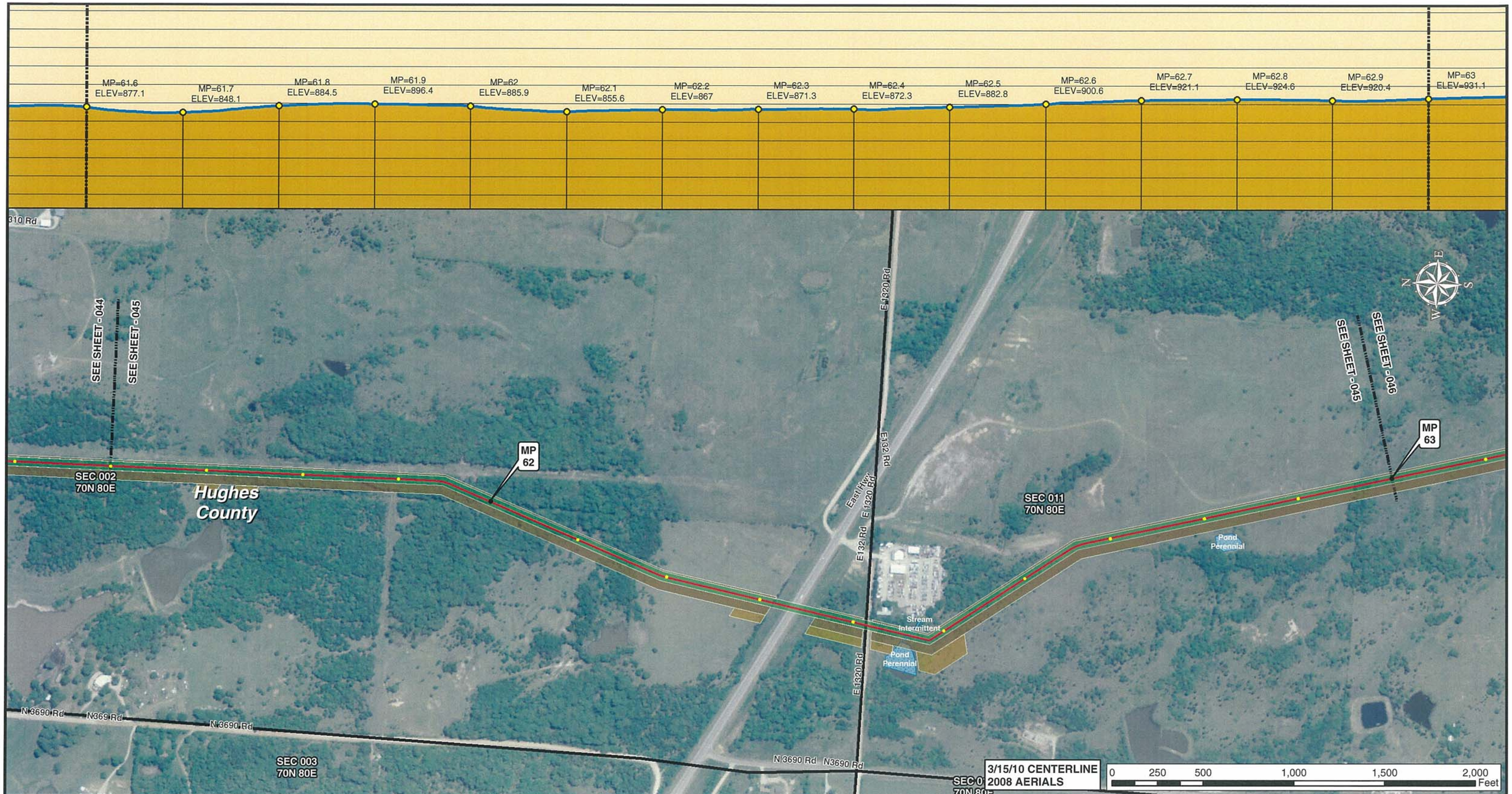

3/15/10 CENTERLINE
2008 AERIALS

0 250 500 1,000 1,500 2,000 Feet

Legend

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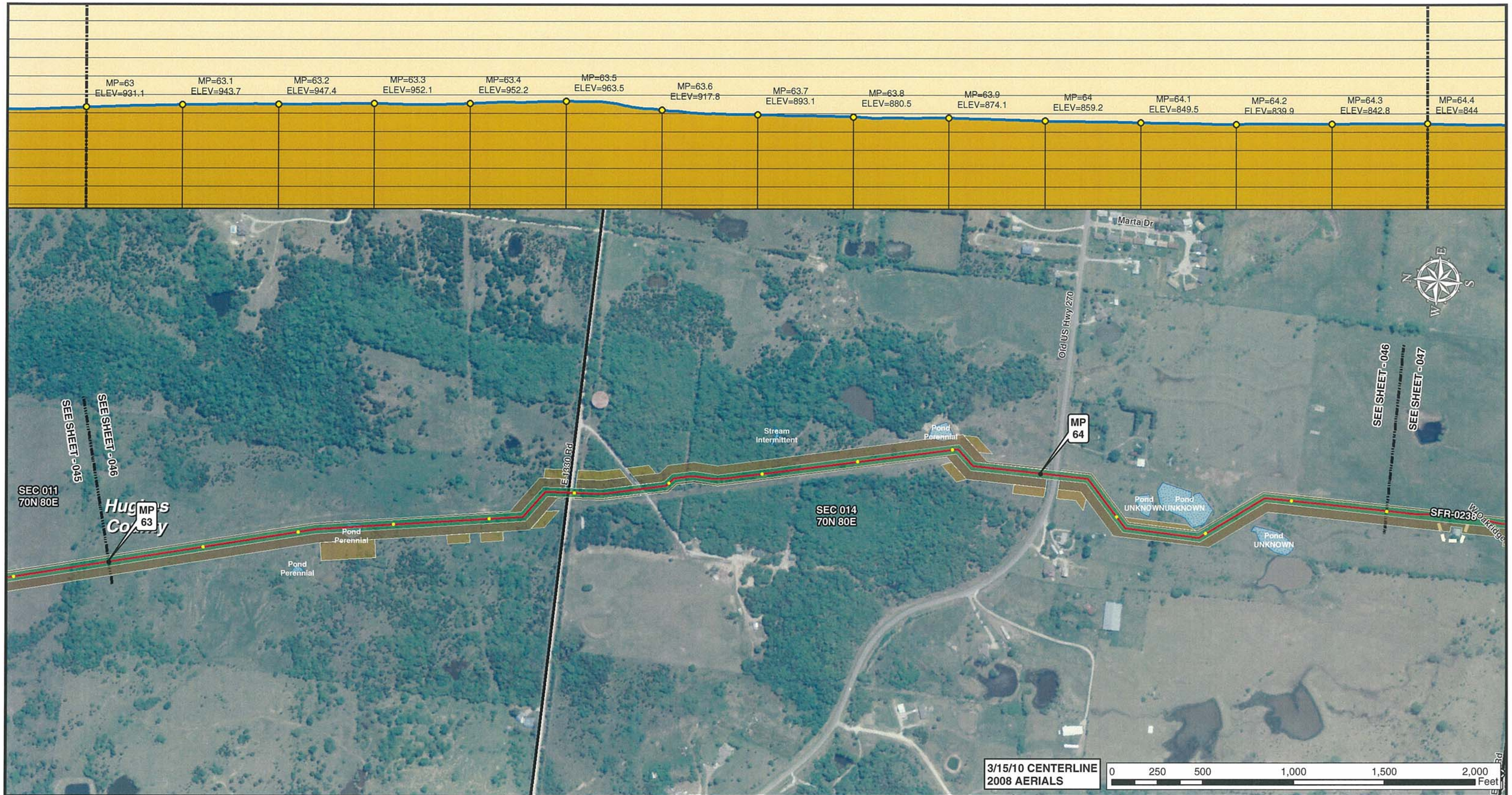
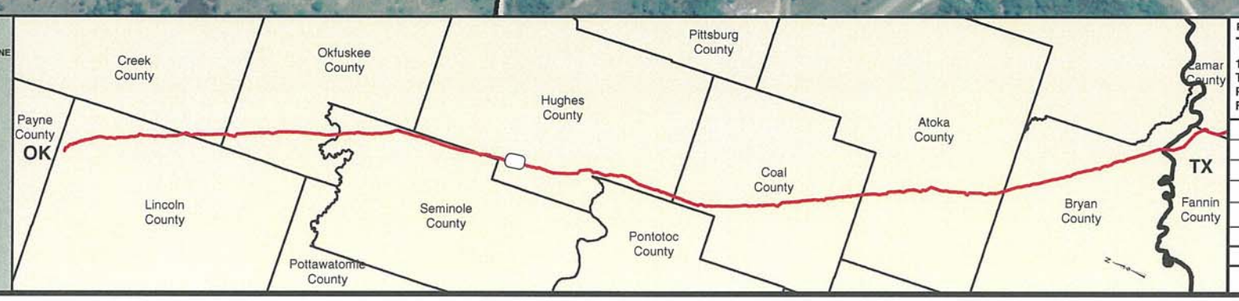
GS	SS	RG	50388X	XL-40-ML-2002-P-045 -A	045	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
- ACCESS ROAD
- TRANSMISSION LINE
- PUMP STATION
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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Trow

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1	ISSUED FOR SUPPLEMENTAL U.S. DEPT. OF STATE FILING (2.19.09 CL)	7.6.09
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

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KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

HUGHES COUNTY, OKLAHOMA

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
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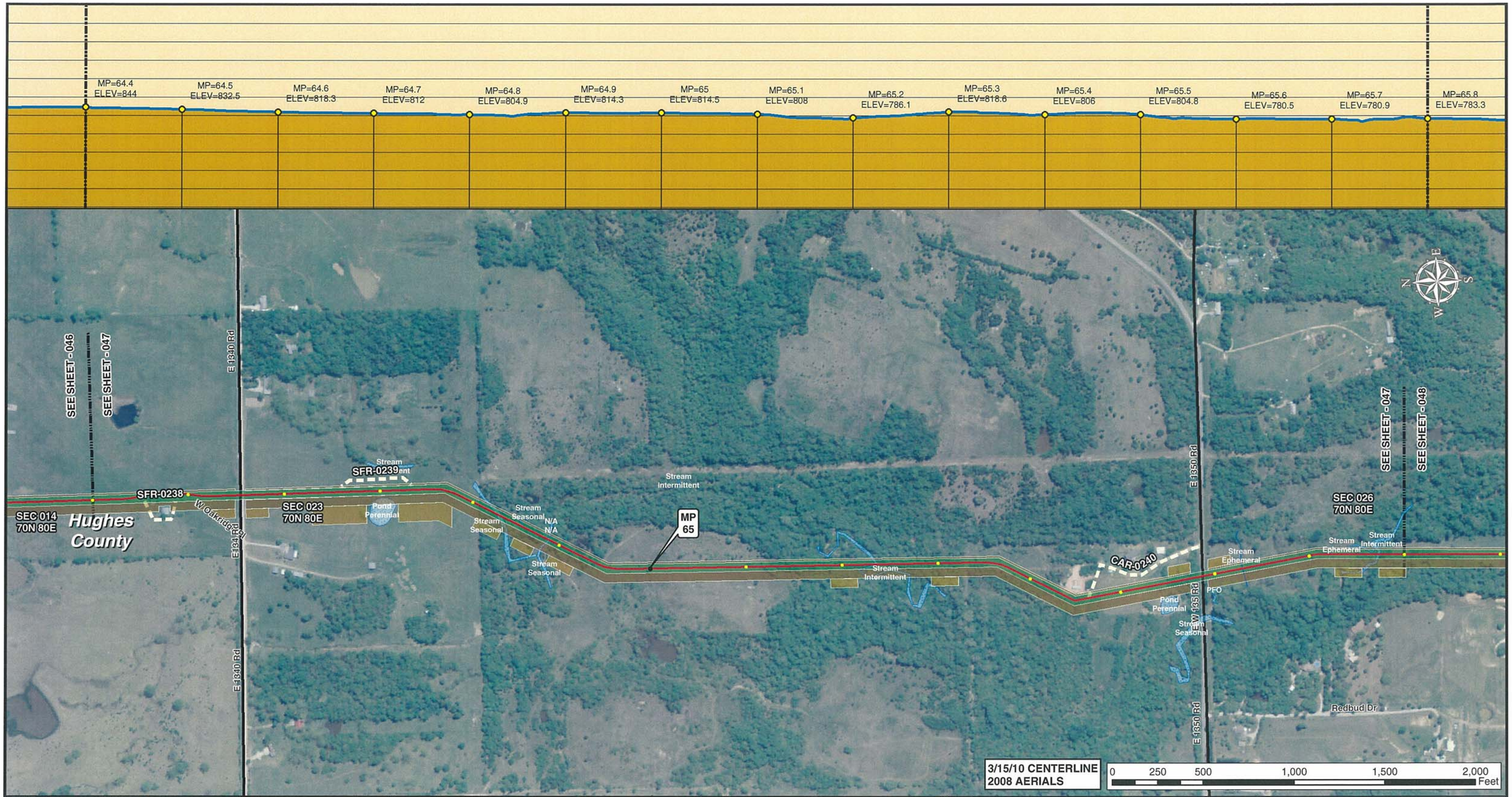

Legend

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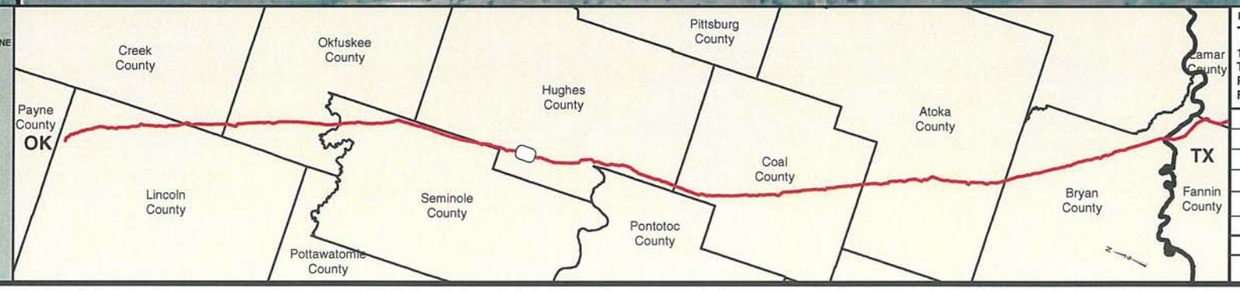

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HUGHES COUNTY, OKLAHOMA

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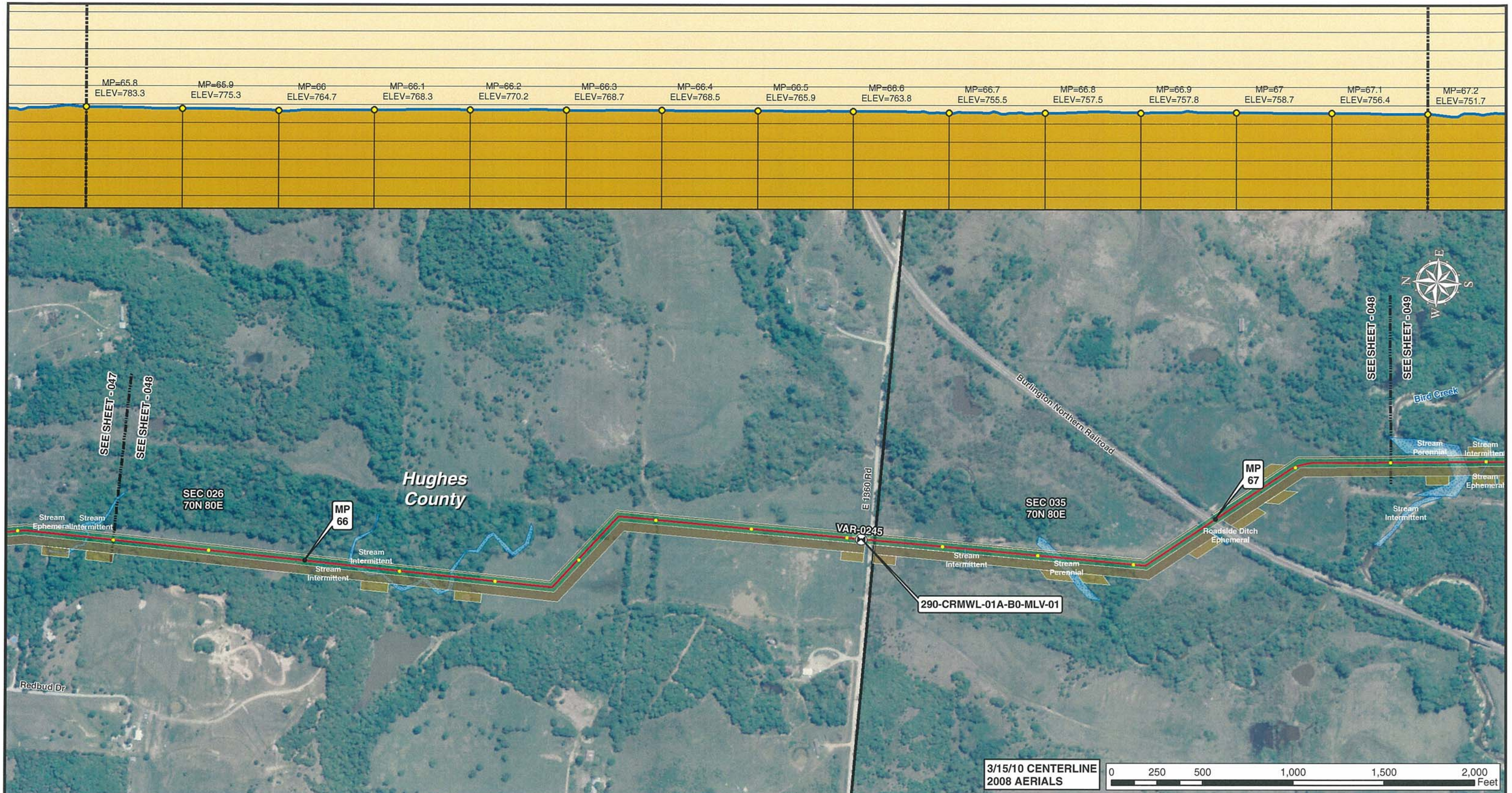

Legend

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- KEYSTONE XL PROJECT
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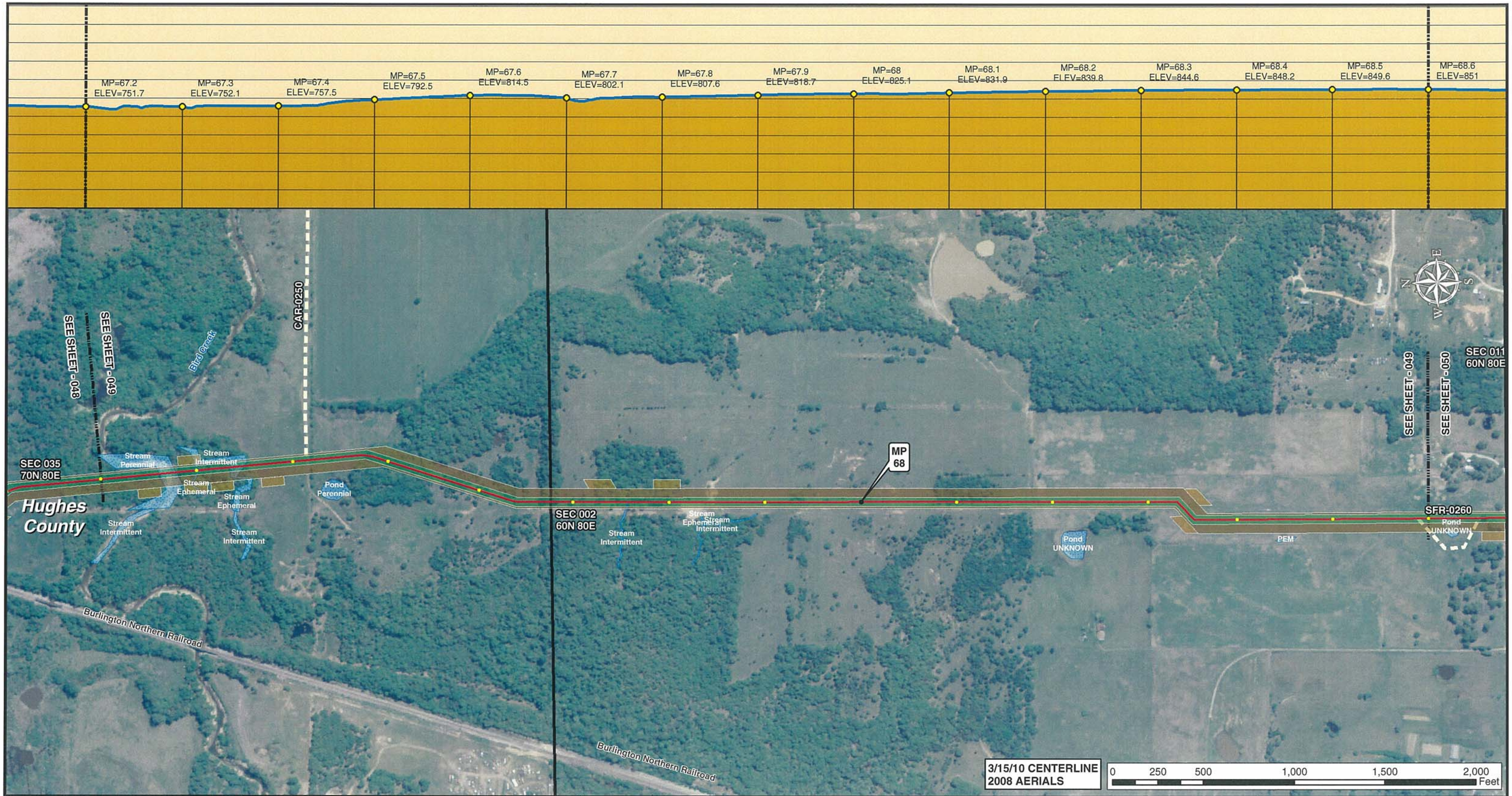

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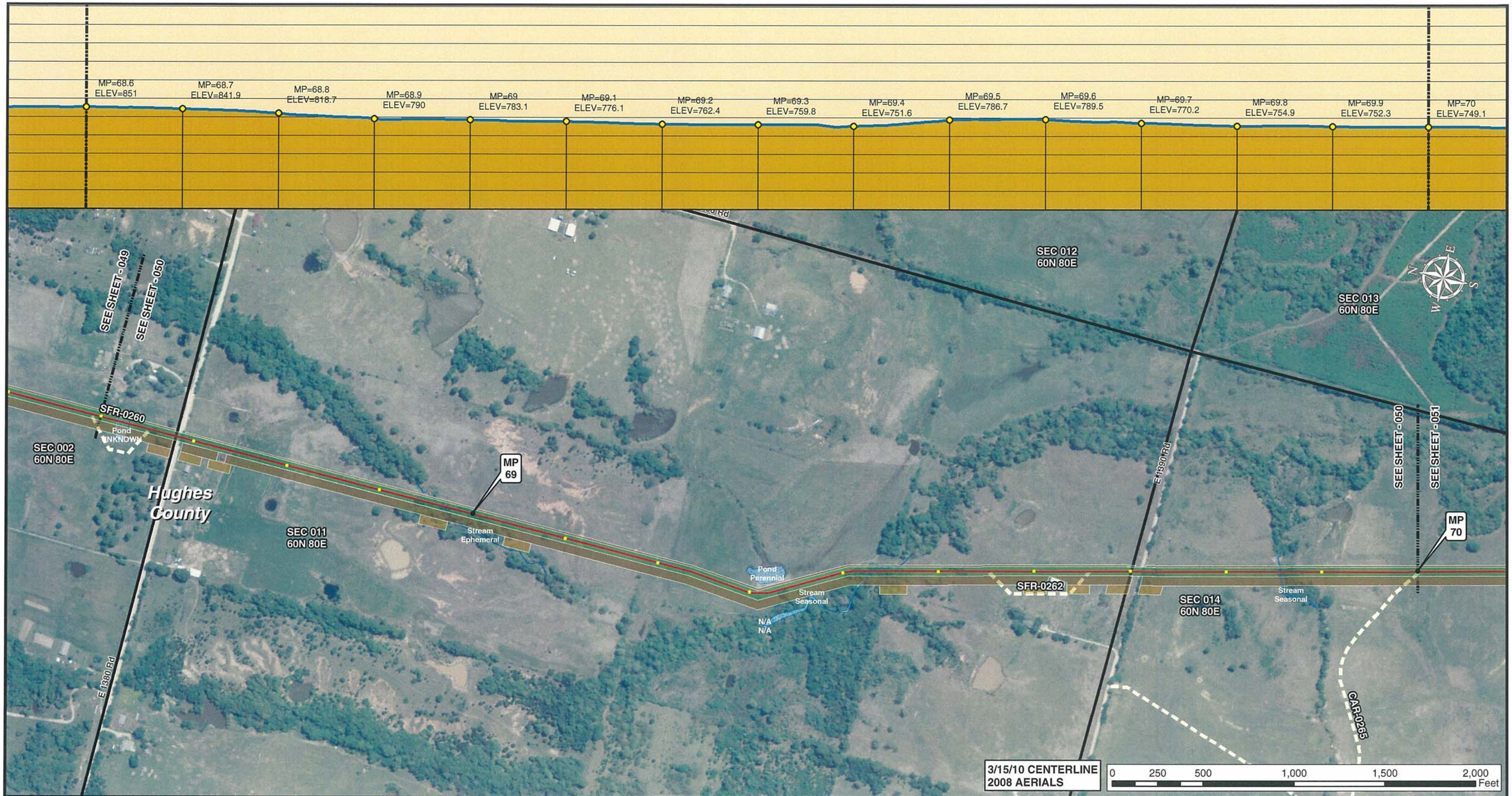

Legend

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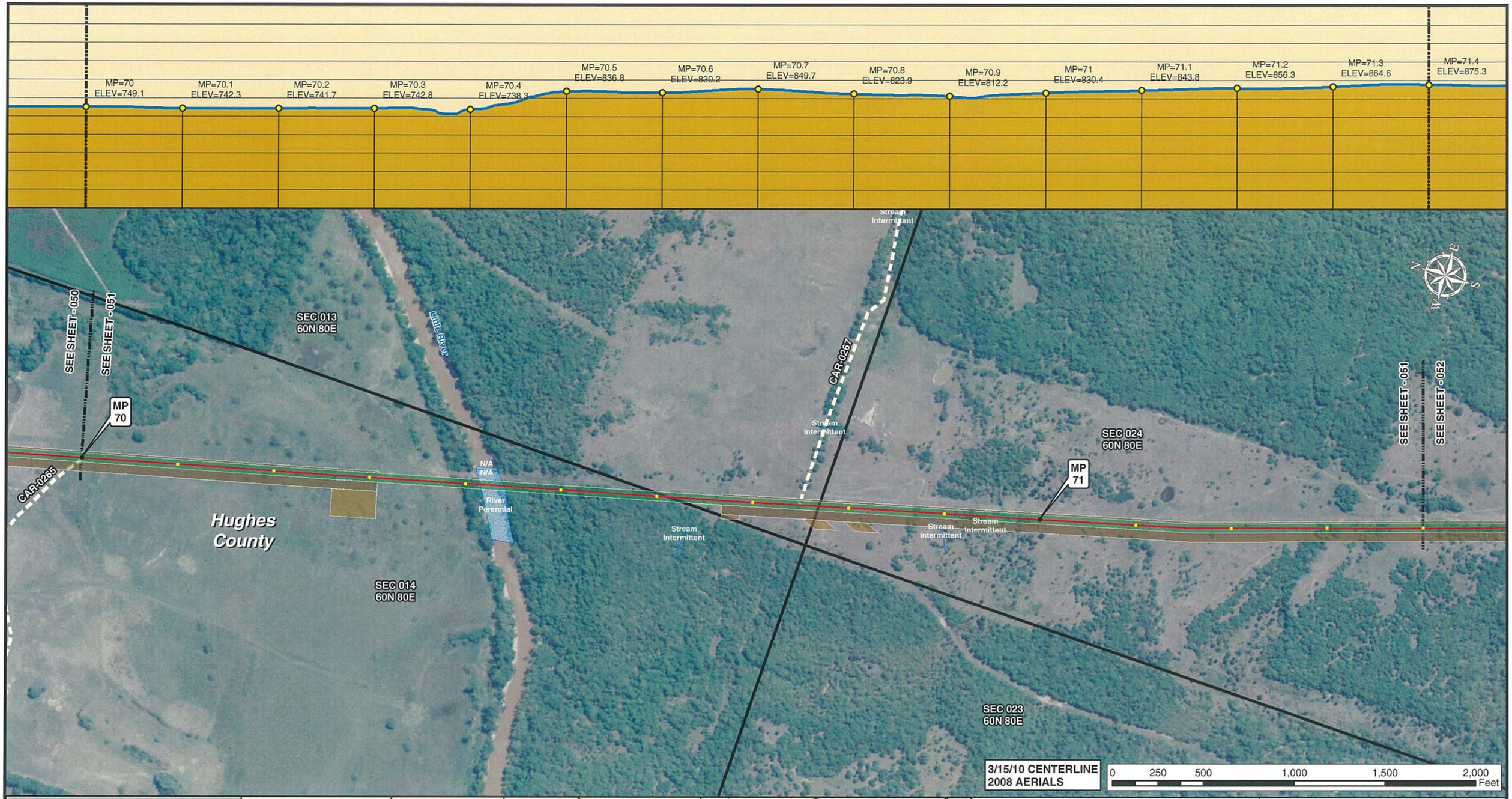

Legend

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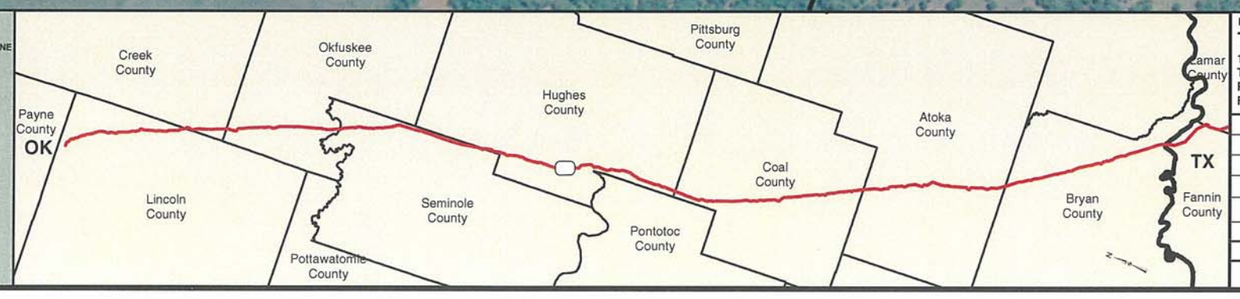

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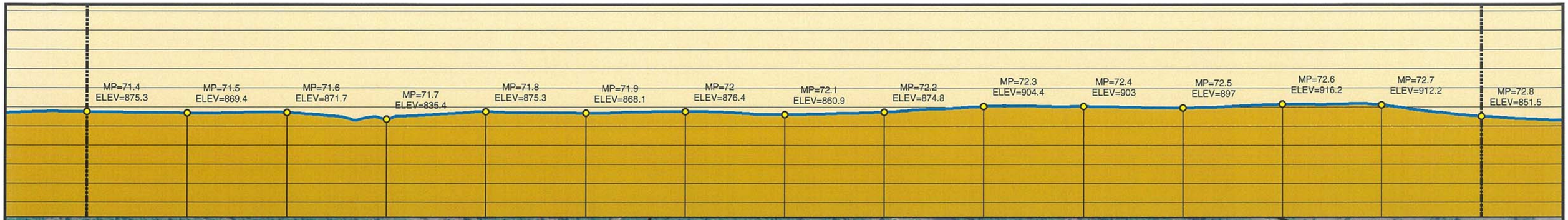
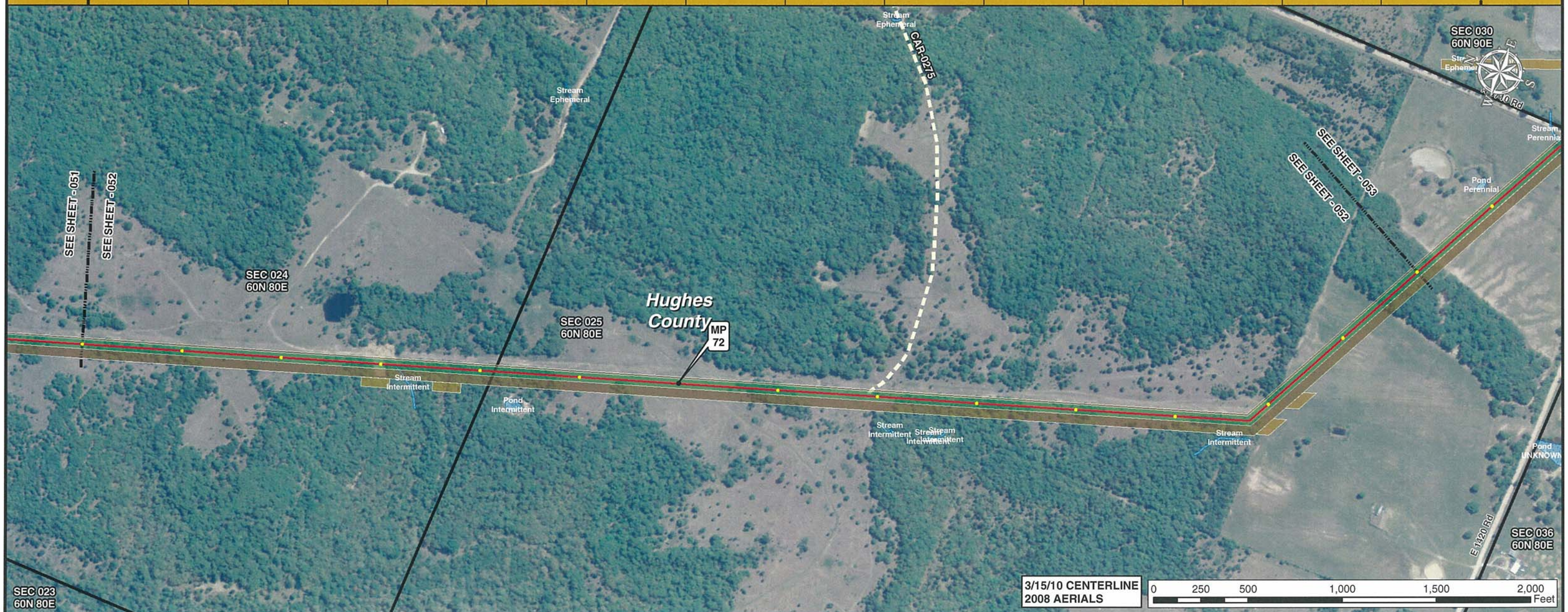
GS	SS	RG	50388X	XL-40-ML-2002-P-051 -A	051	2





Legend

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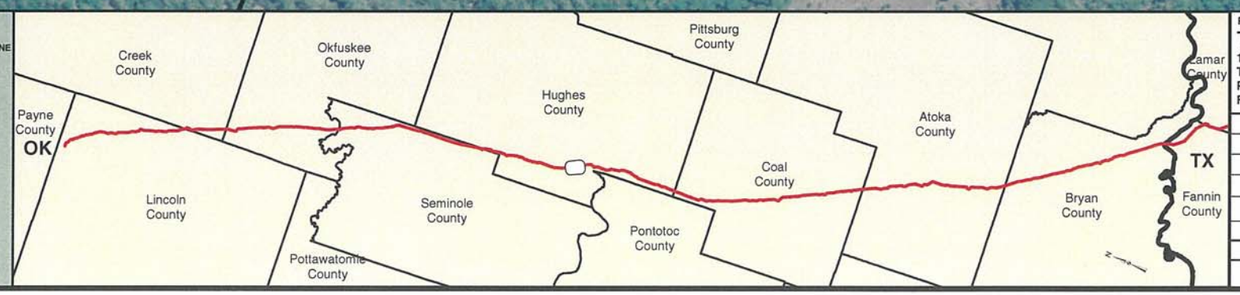

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HUGHES COUNTY, OKLAHOMA

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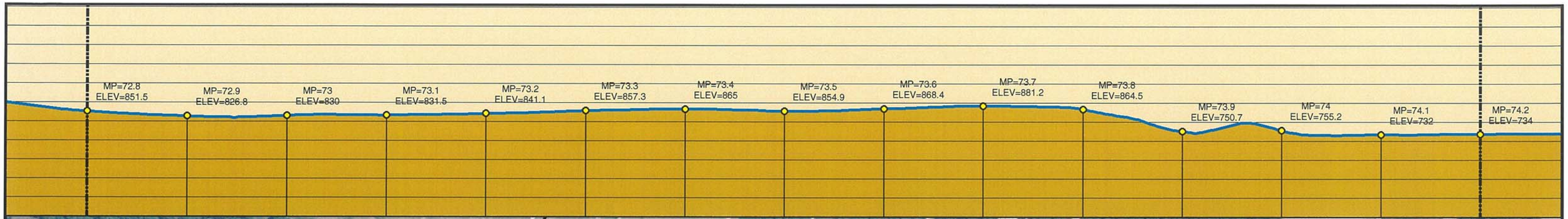

Legend

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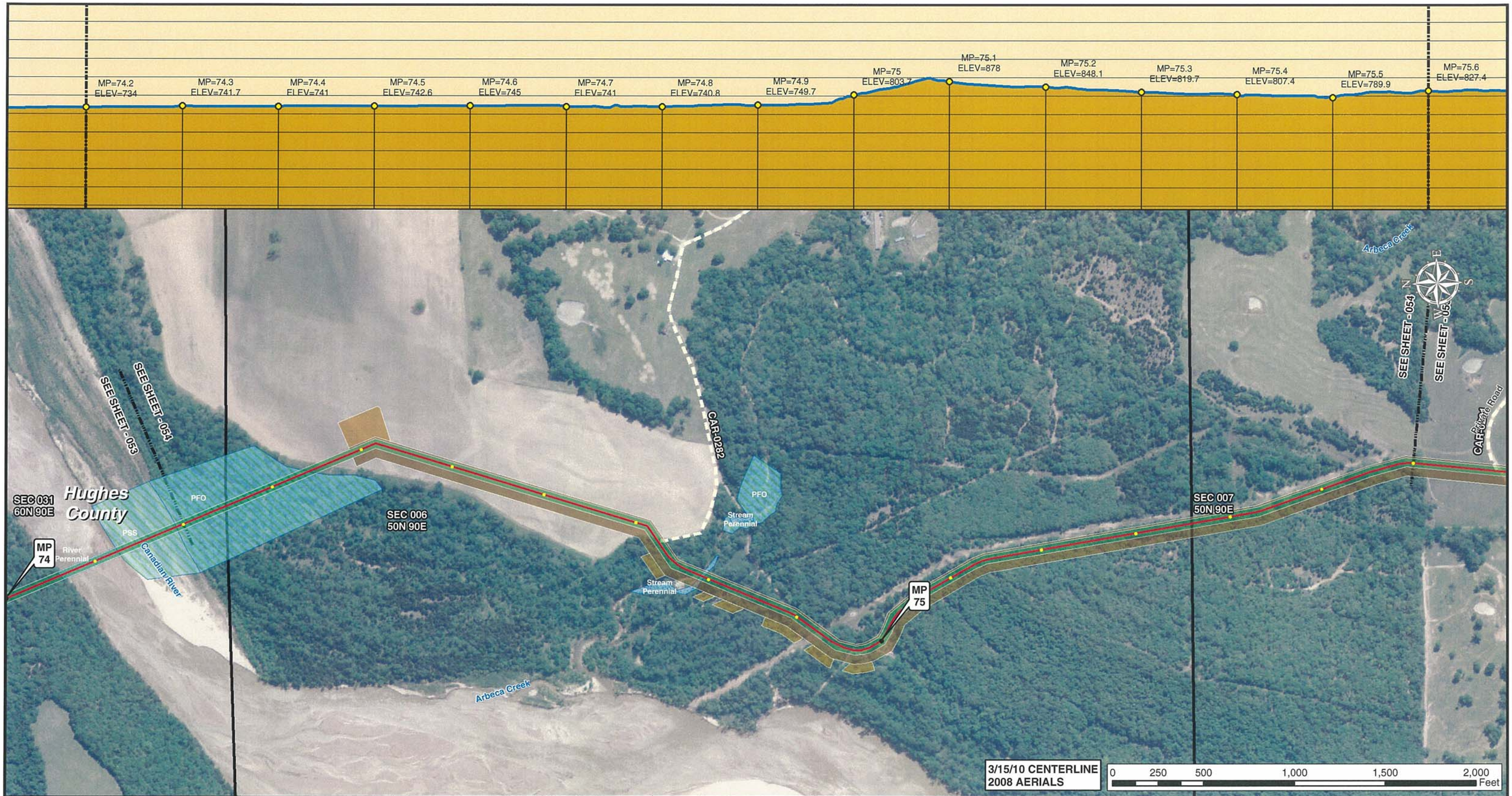

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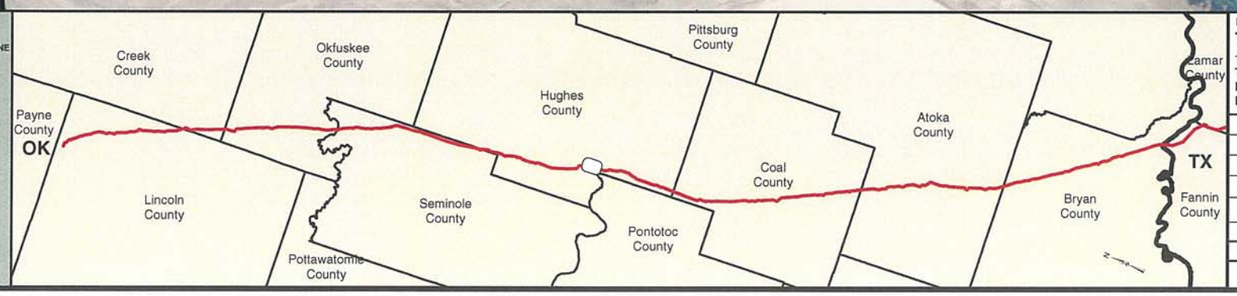

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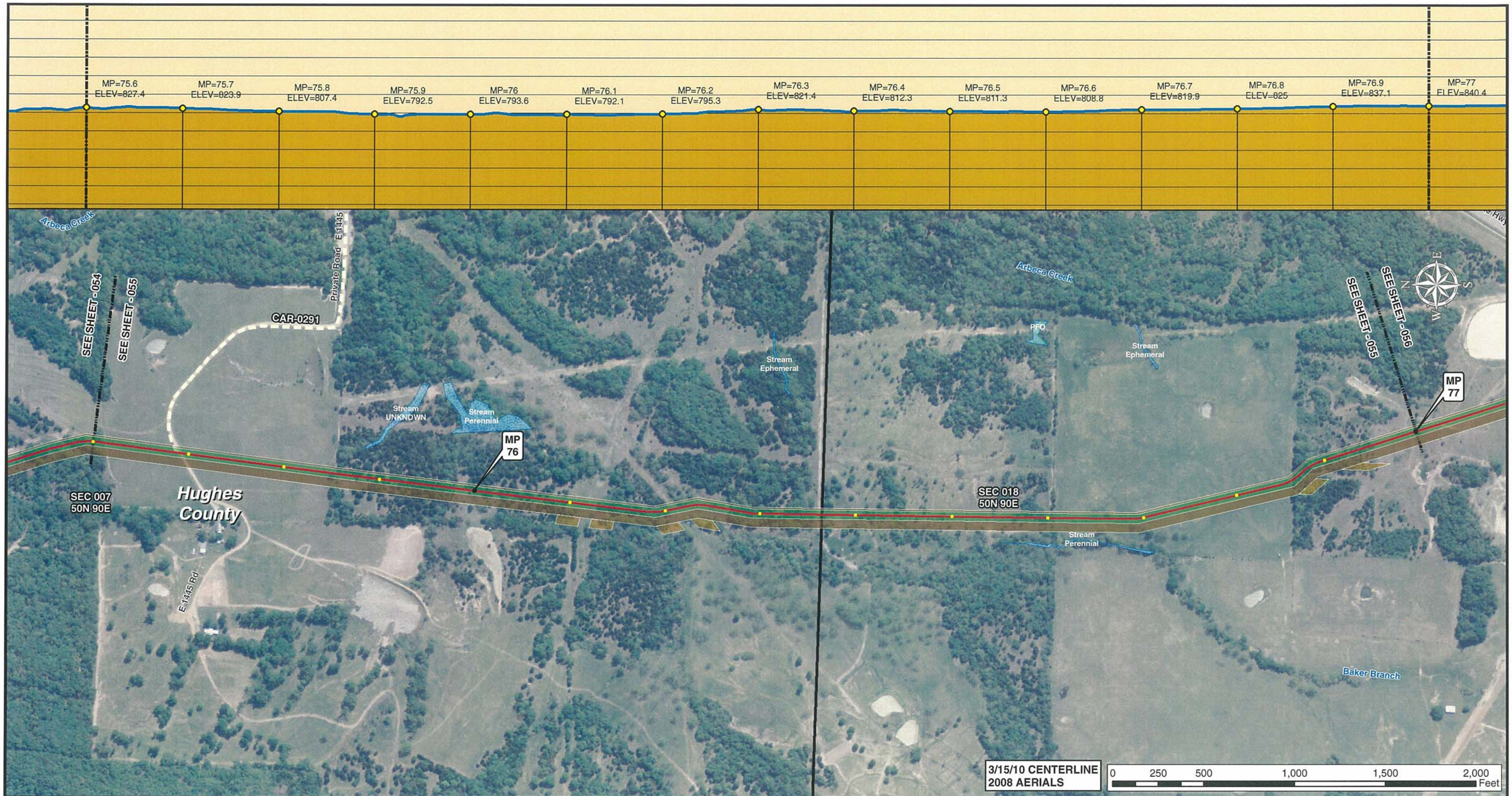

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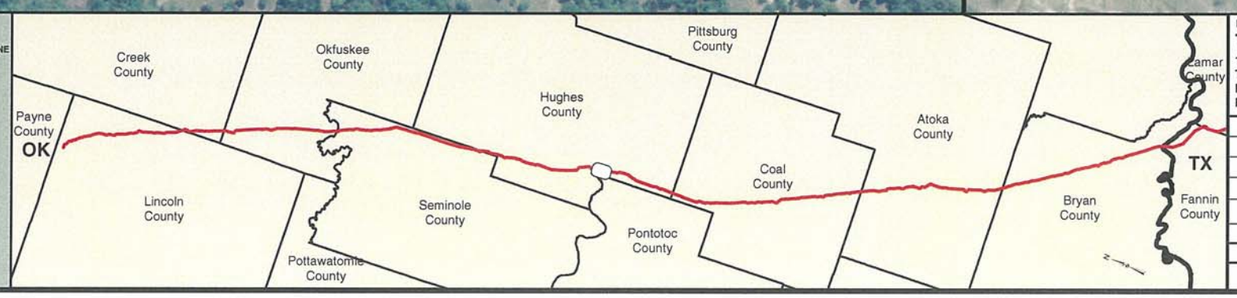

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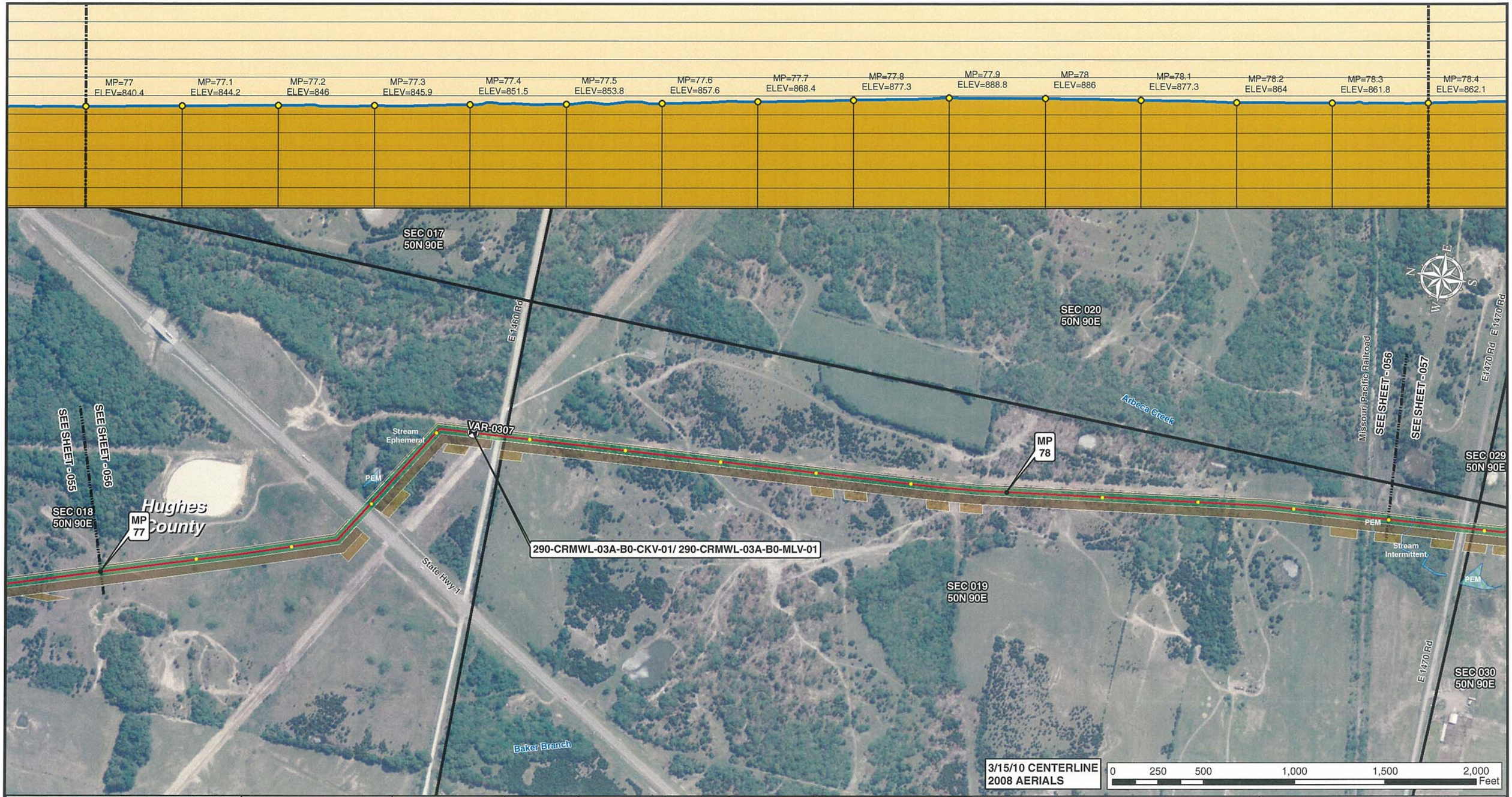

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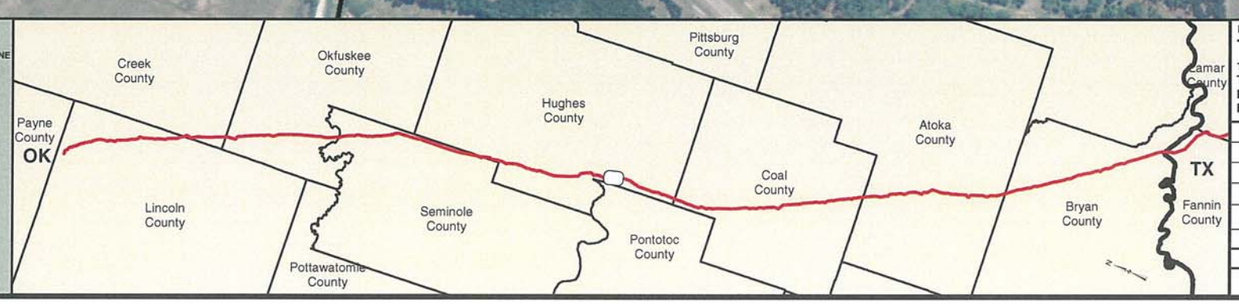

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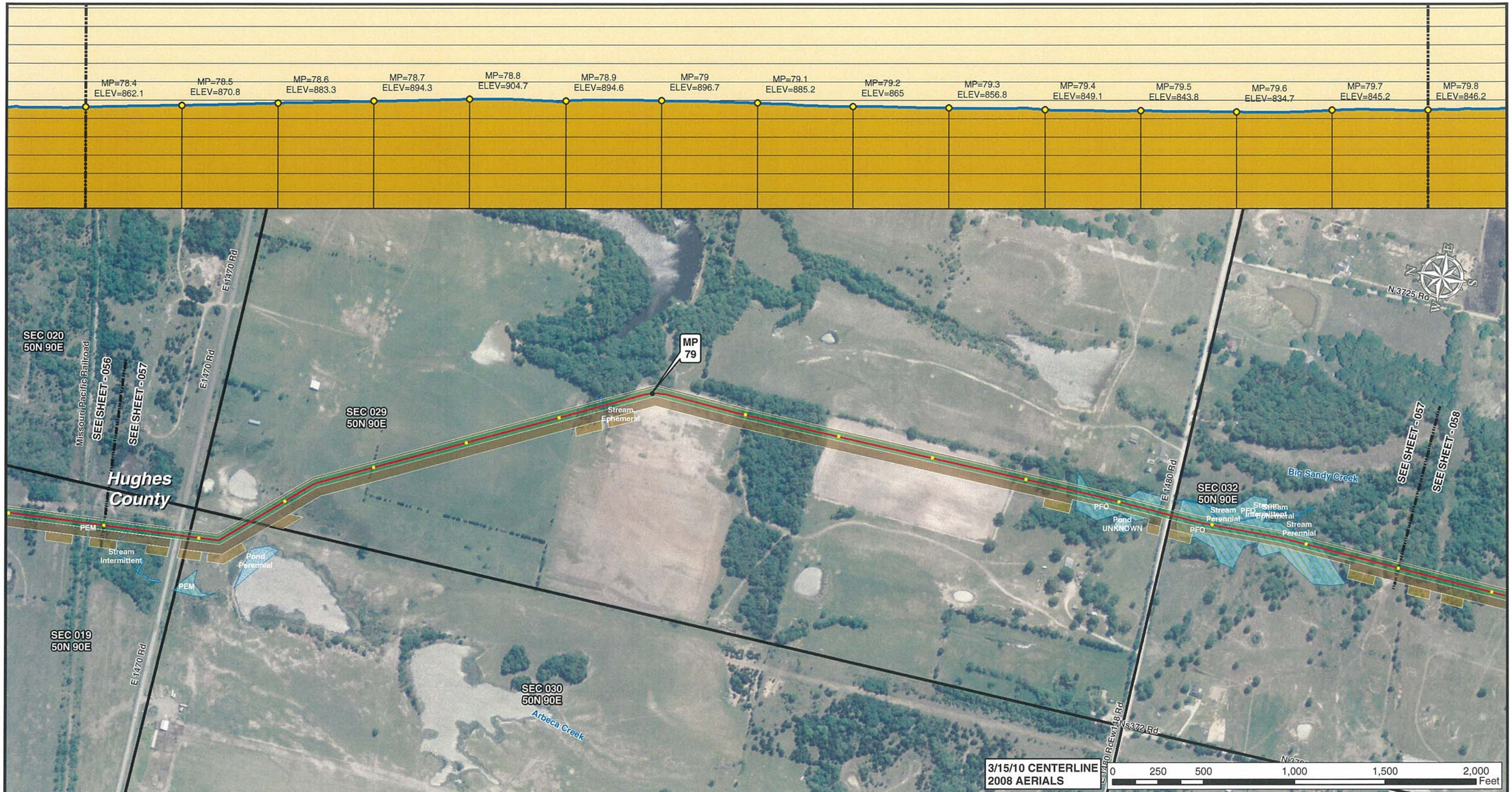

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- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
- ACCESS ROAD
- TRANSMISSION LINE
- PUMP STATION
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE

PREPARED BY:
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Tallahassee, Florida , USA 32308
Phone: 1-850-385-5441
Fax: 1-850-385-5523

Trow

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0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

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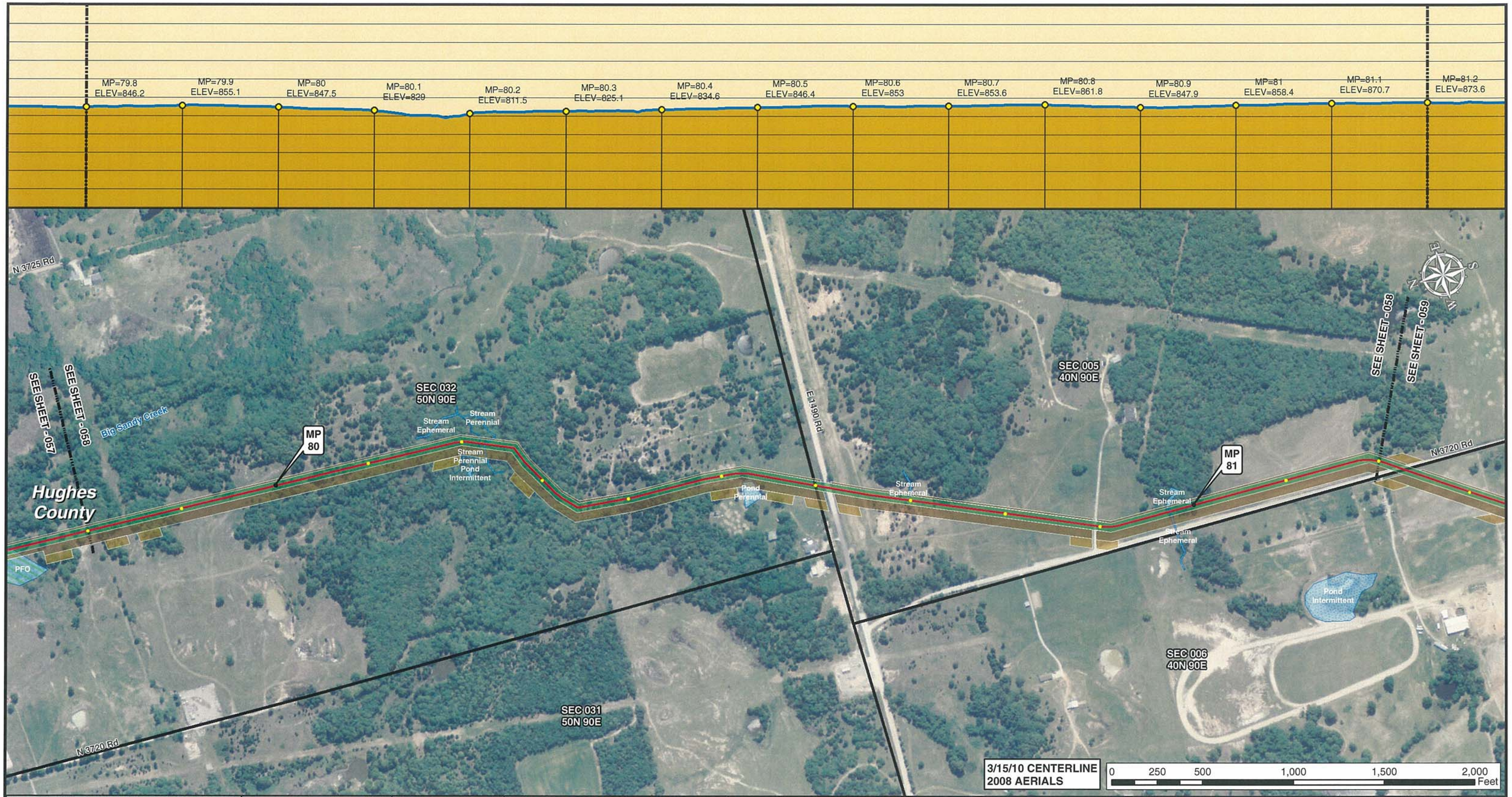
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

HUGHES COUNTY, OKLAHOMA

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-40-ML-2002-P-057 -A	057	2



Legend

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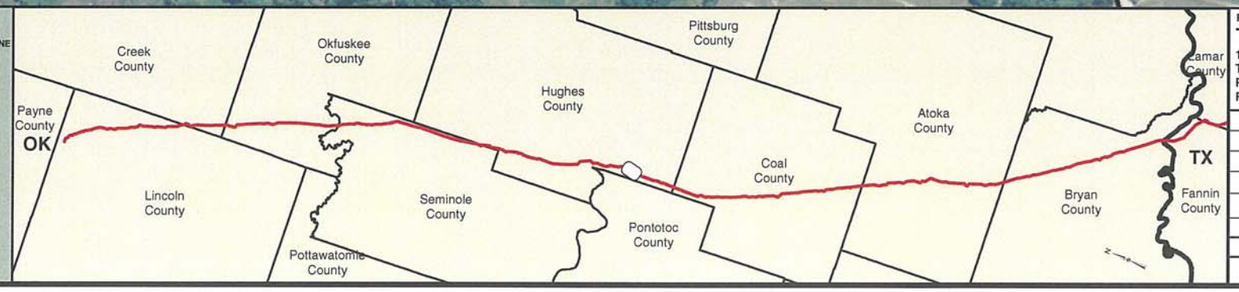

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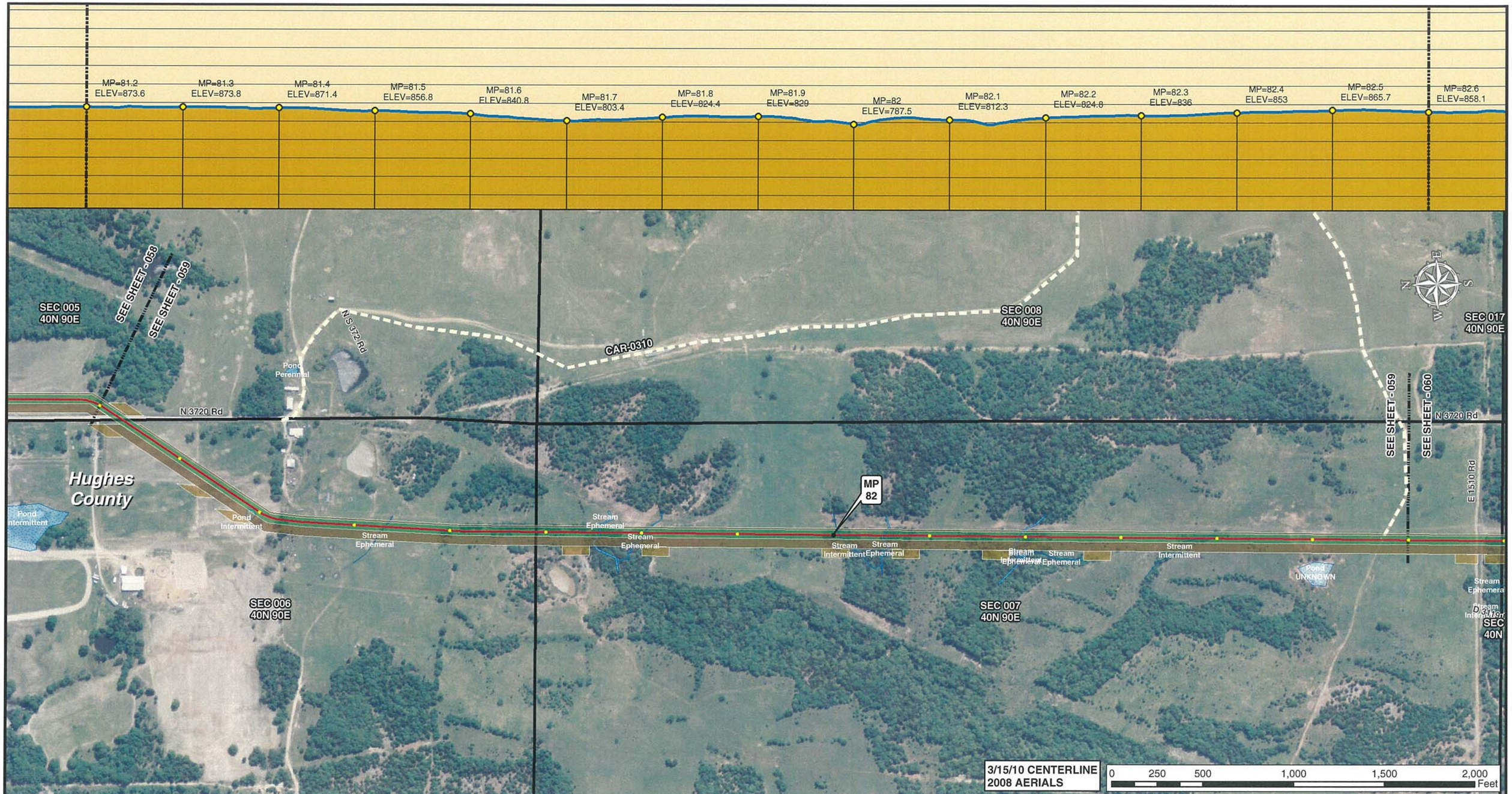

Legend

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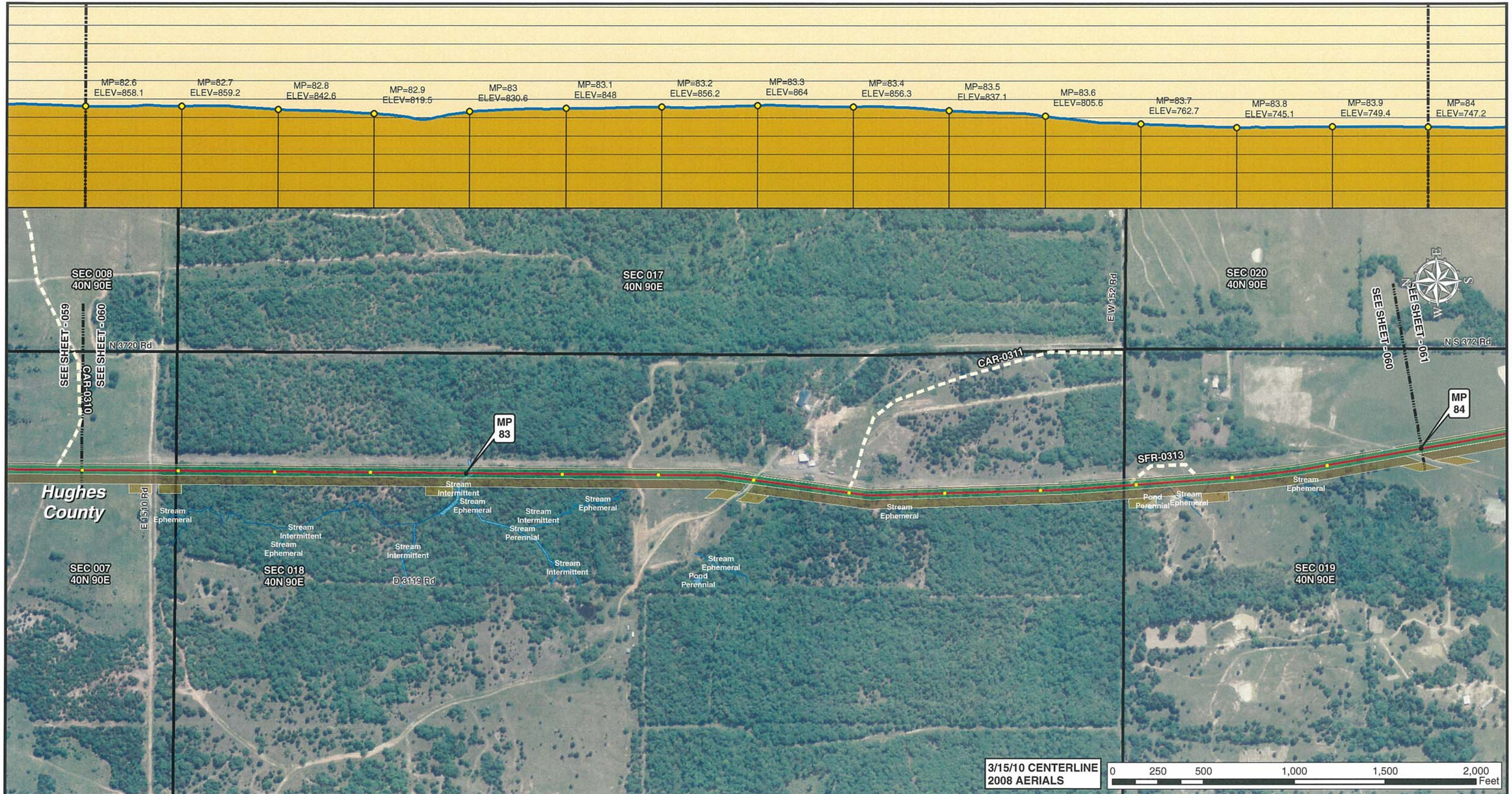

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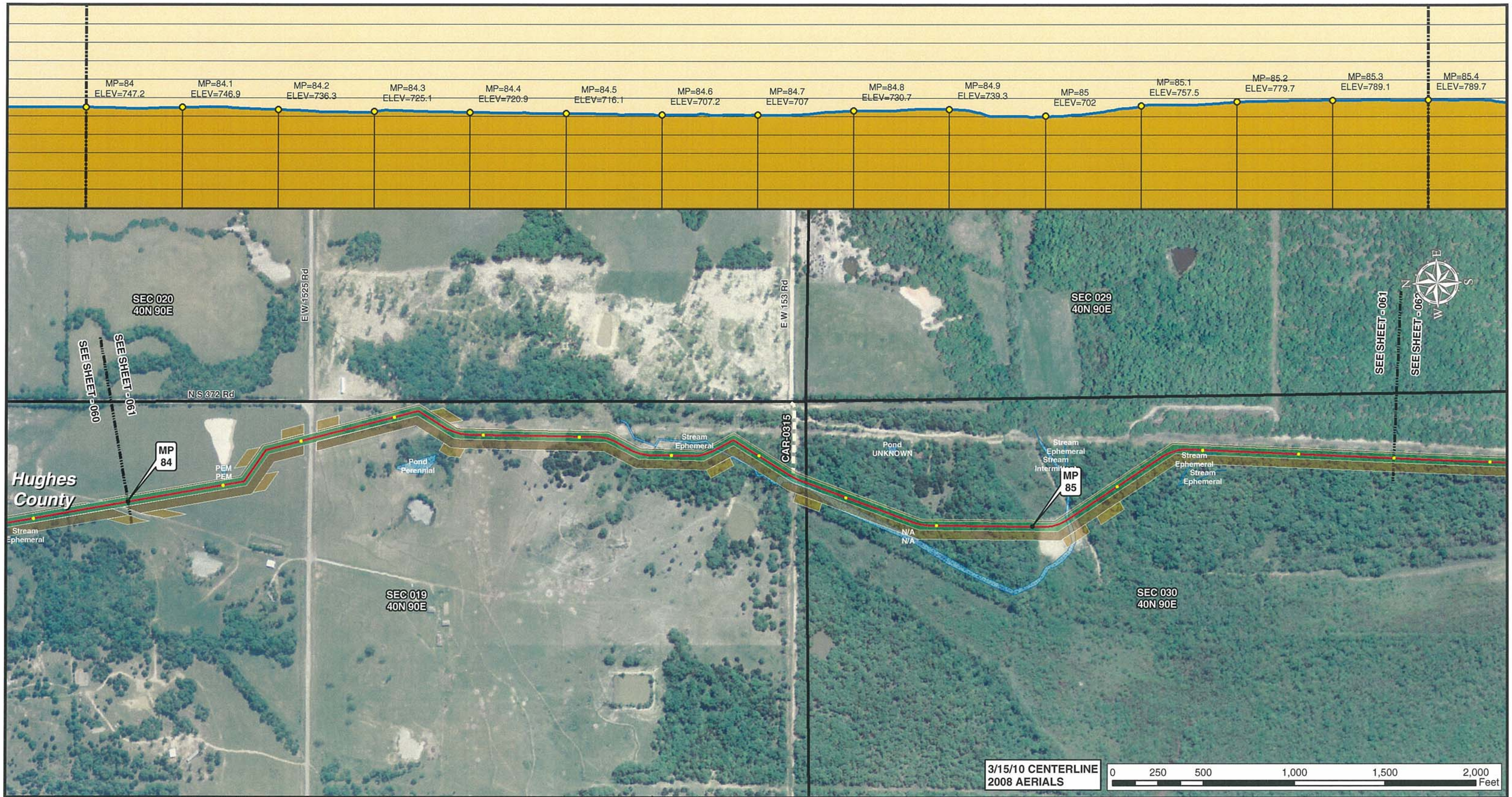

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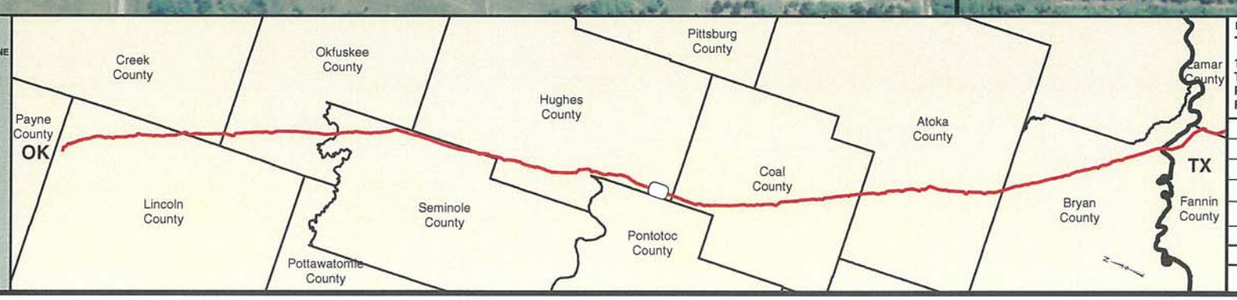

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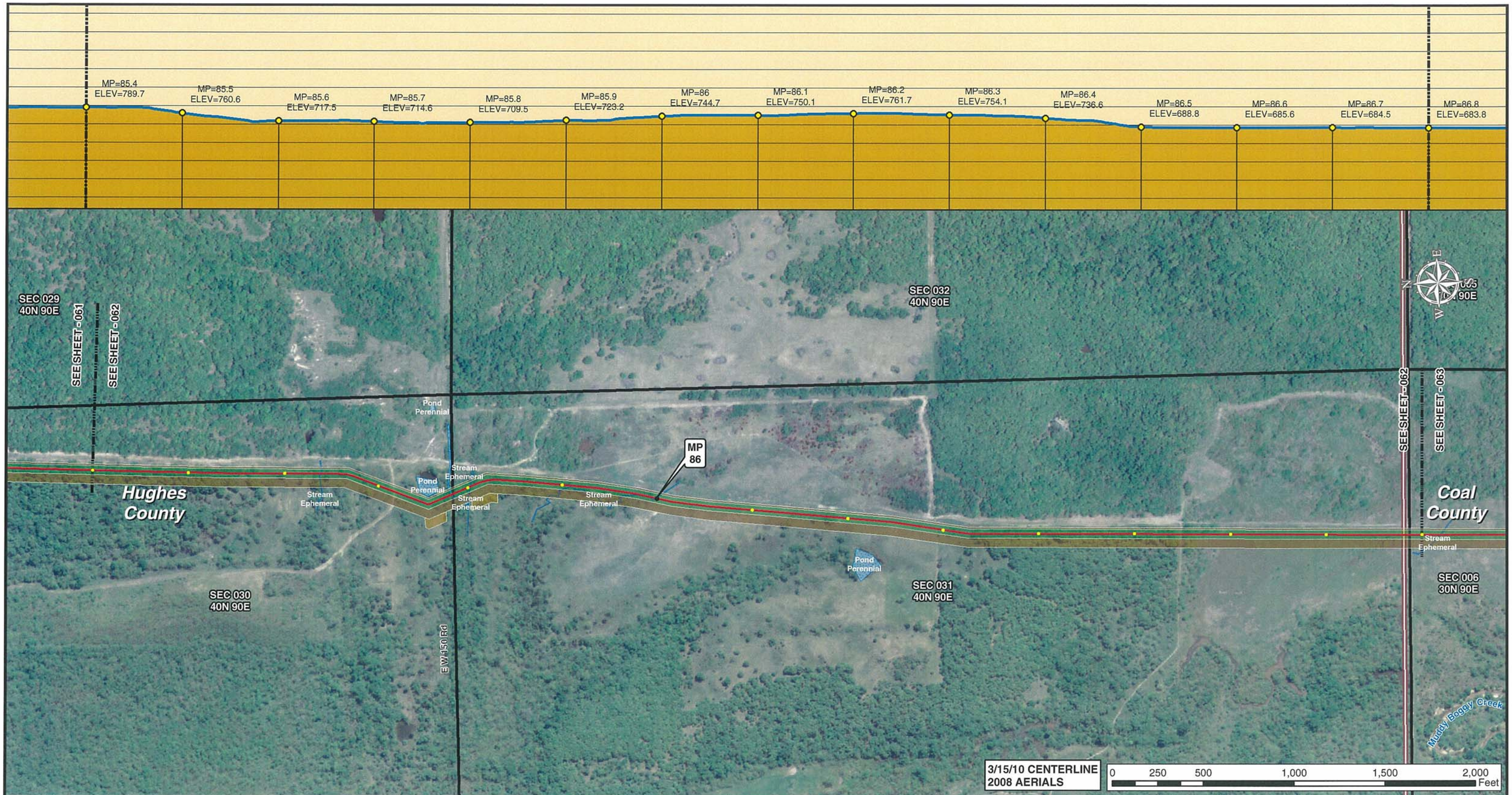

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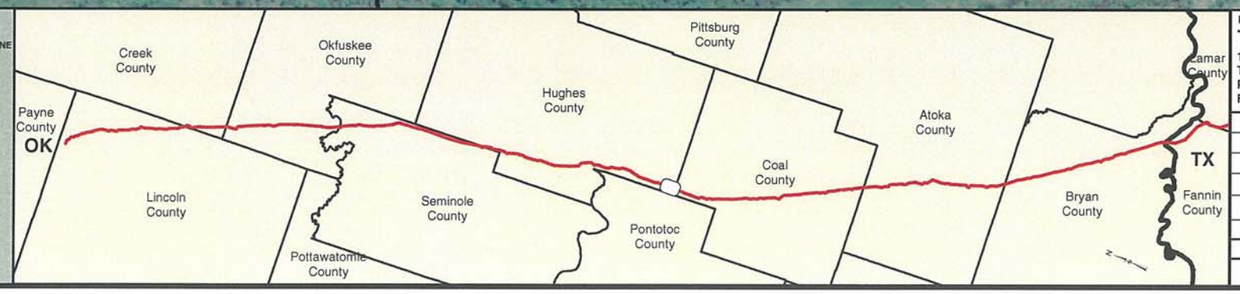

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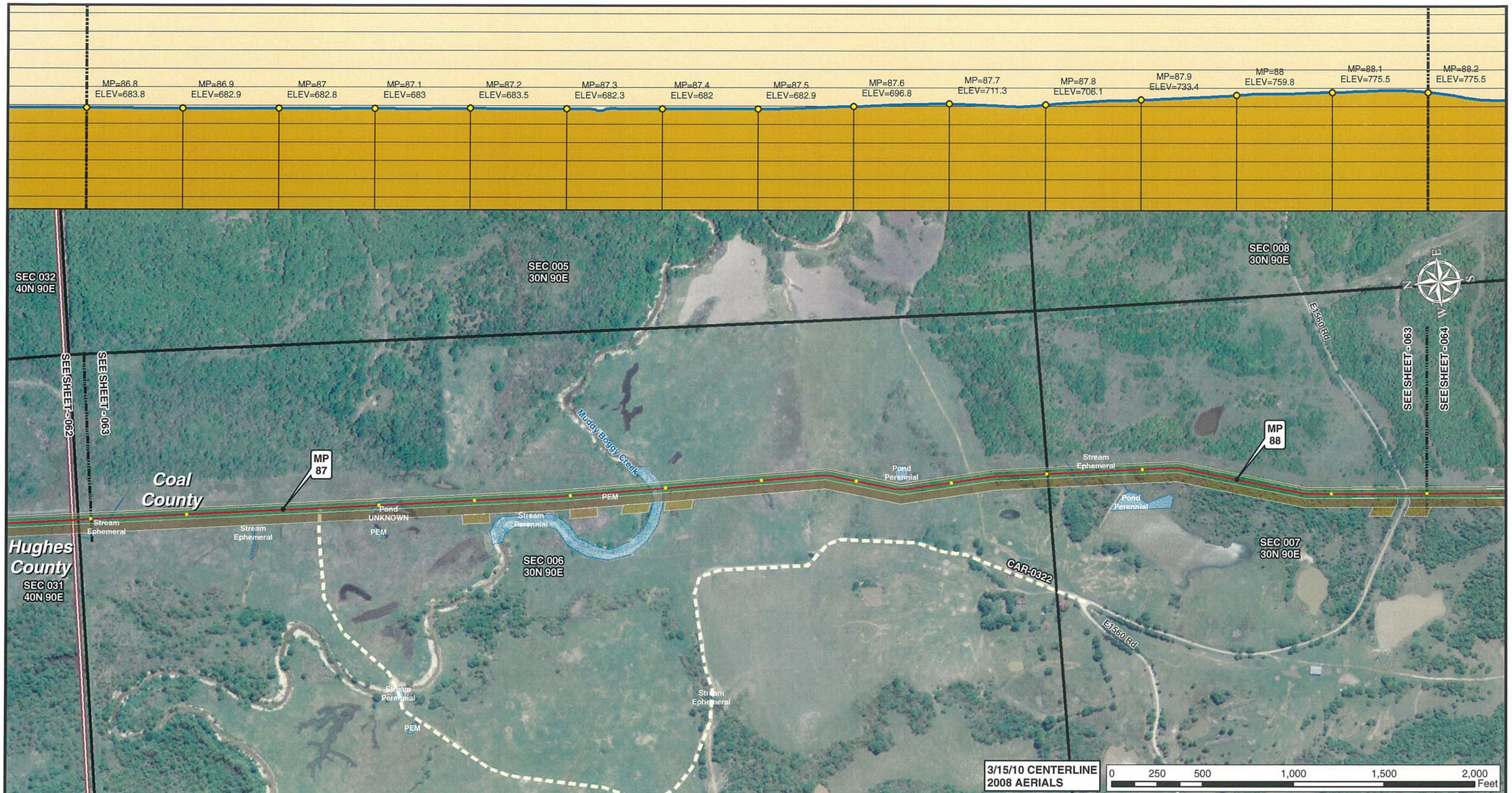
GS	SS	RG	50388X	XL-40-ML-2002-P-062 -A	062	2



Legend

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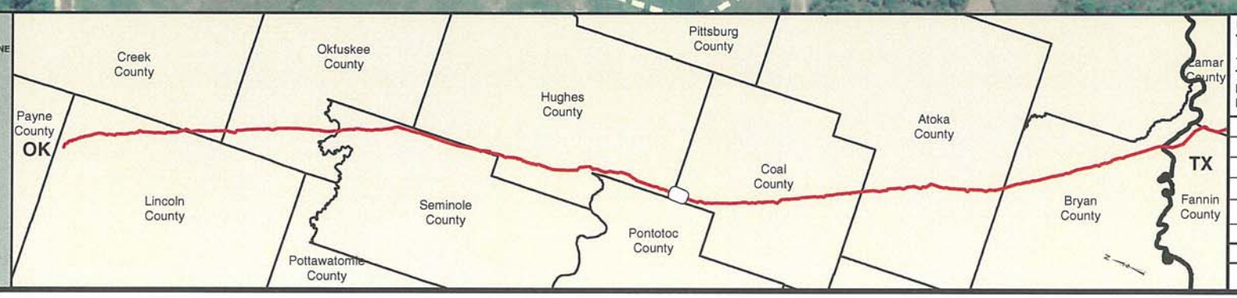

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KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

COAL COUNTY, OKLAHOMA

MAP PARAMETERS
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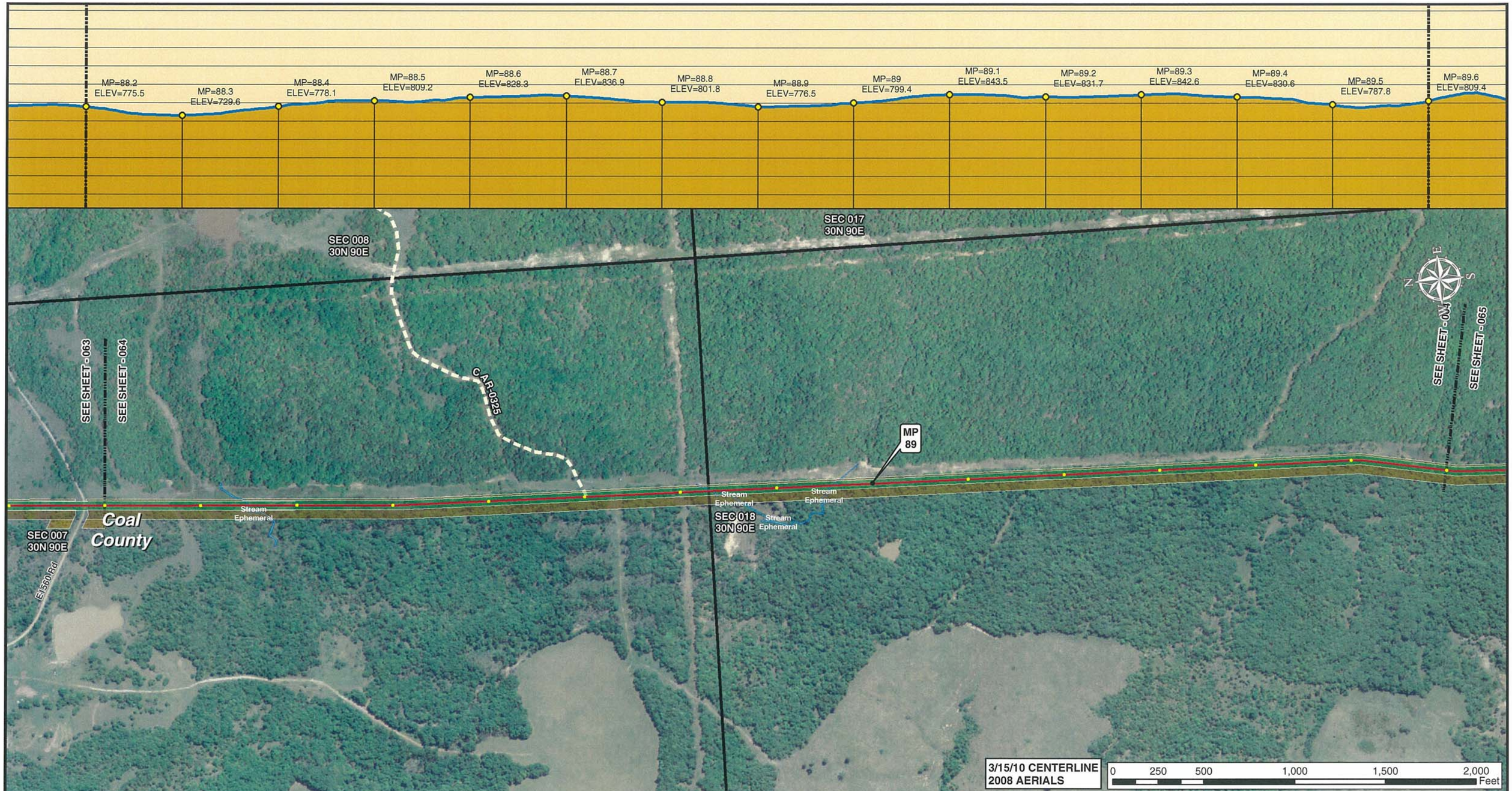
GS	SS	RG	50388X	XL-40-ML-2002-P-063 -A	063	2



Legend

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COAL COUNTY, OKLAHOMA

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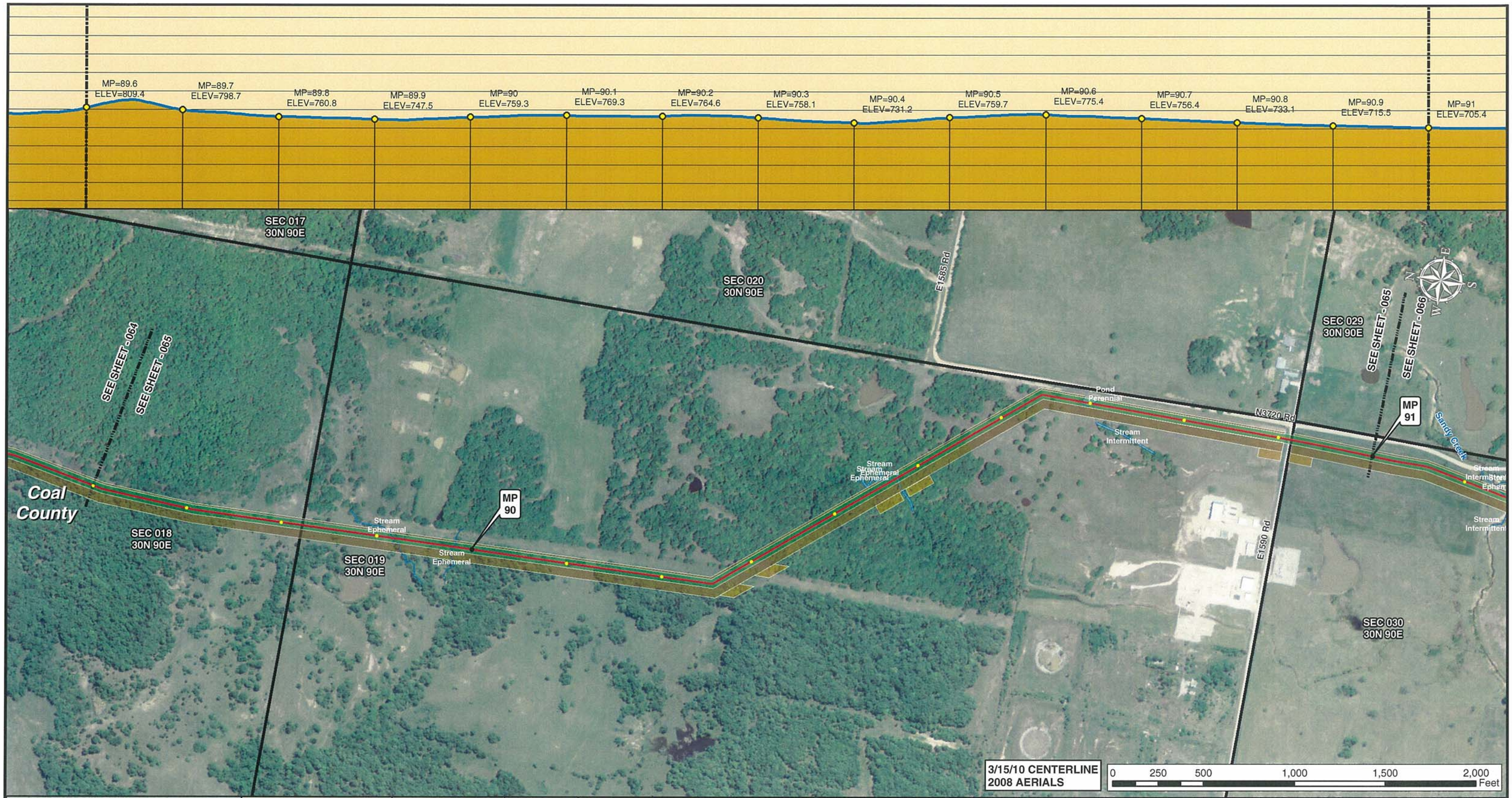

Legend

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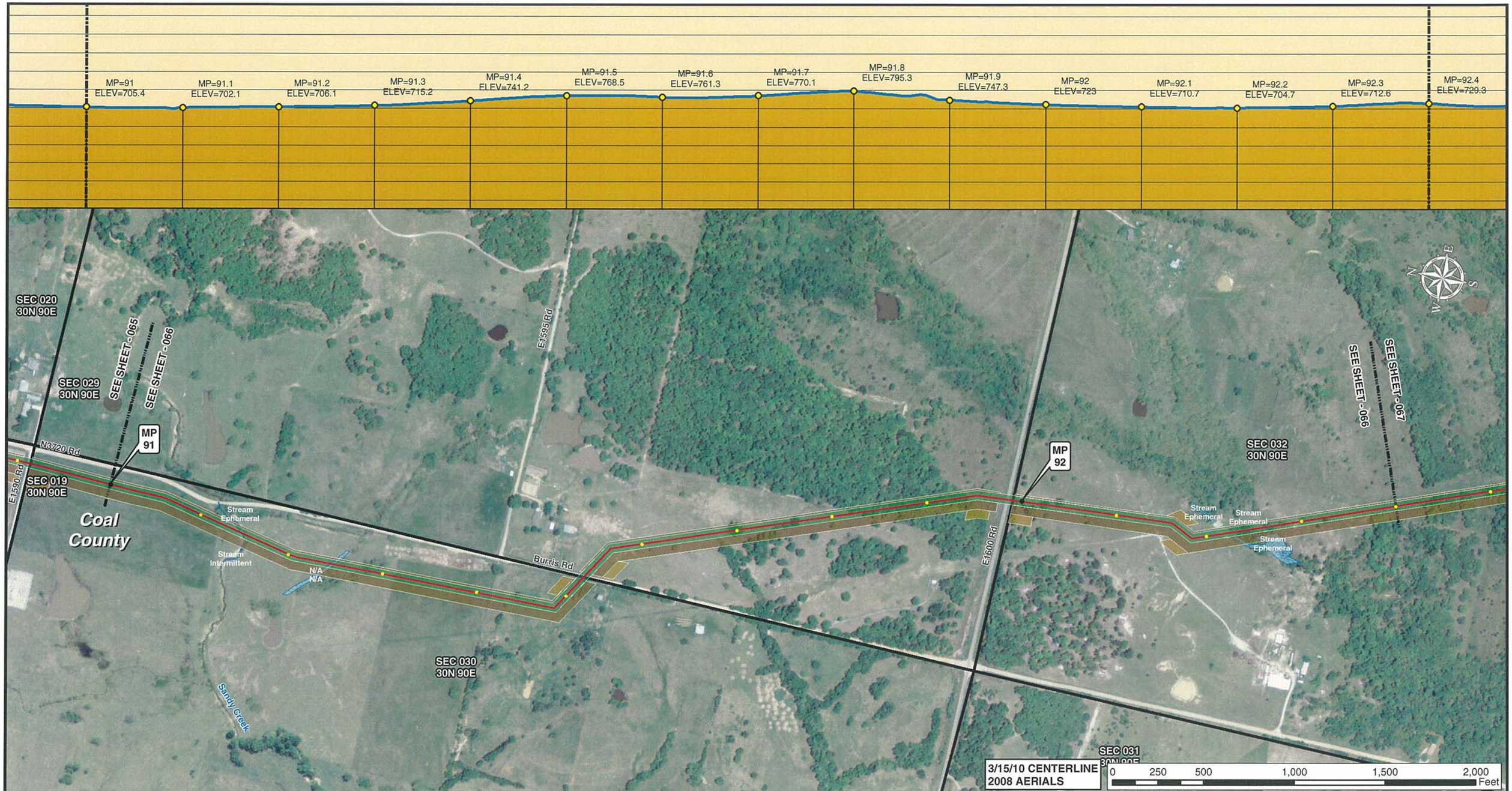
GS	SS	RG	50388X	XL-40-ML-2002-P-065 -A	065	2



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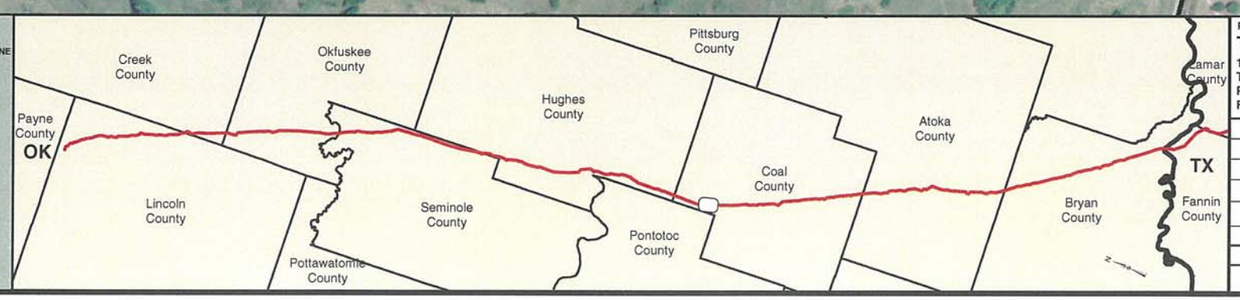

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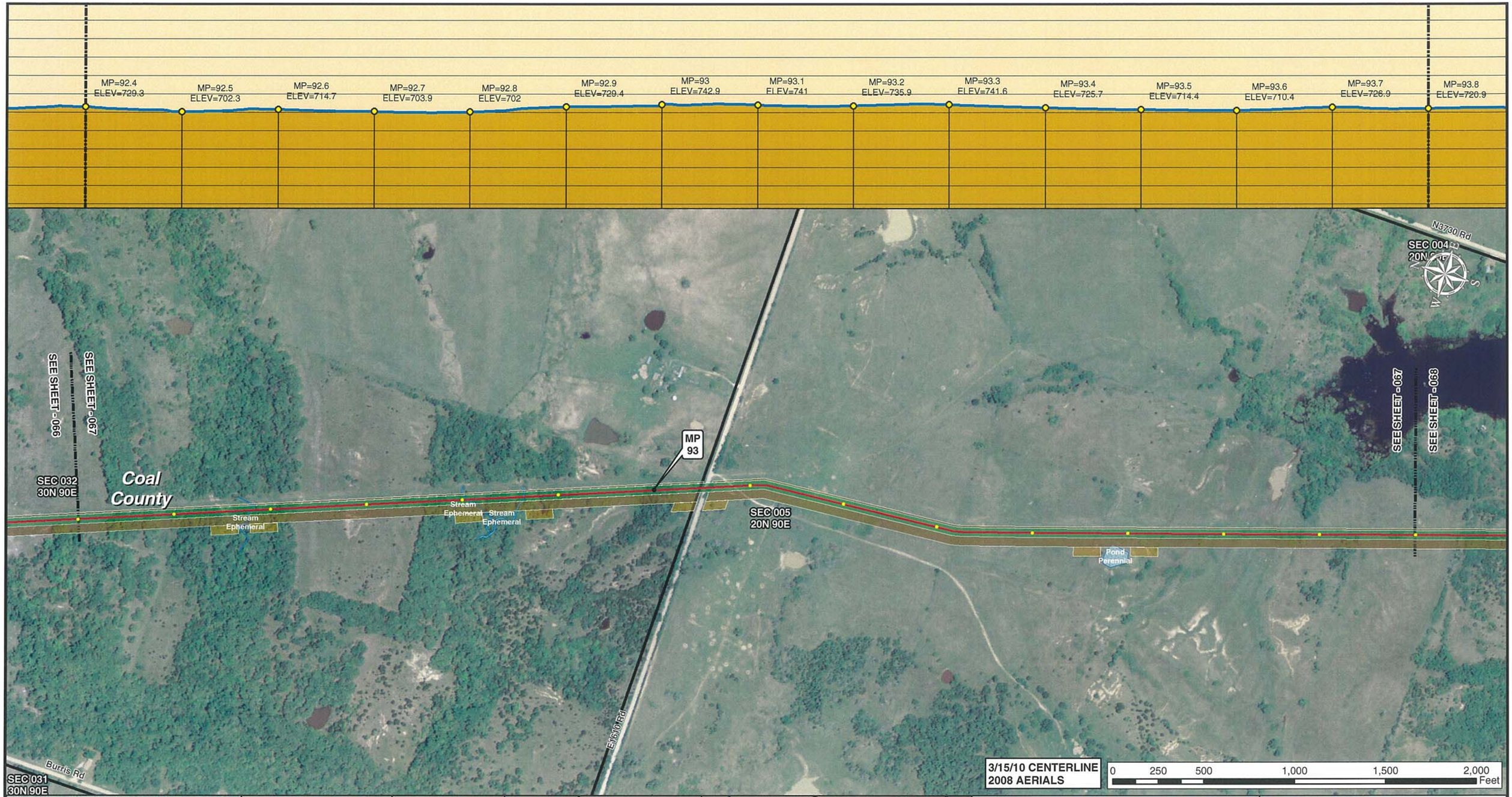

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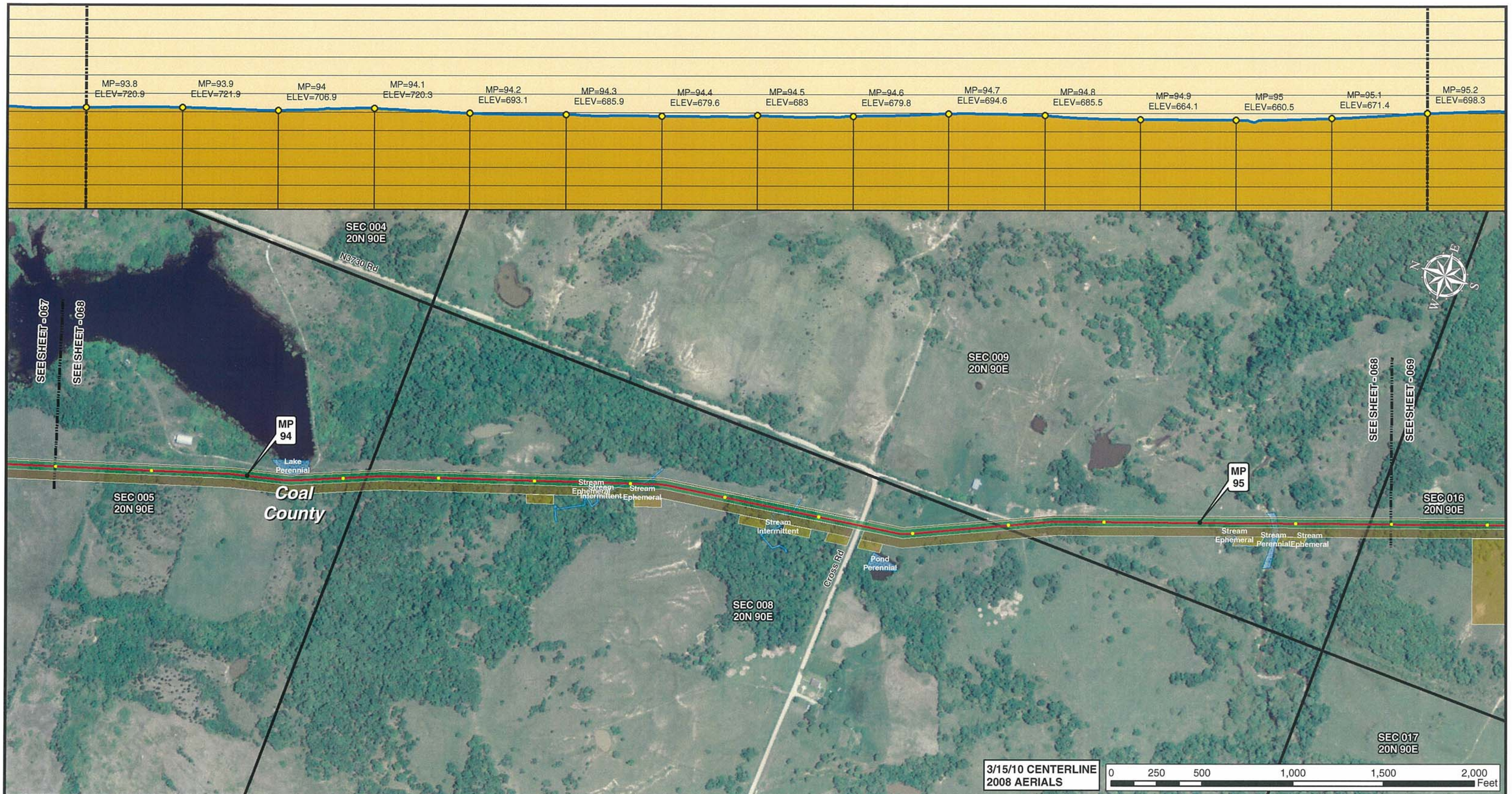

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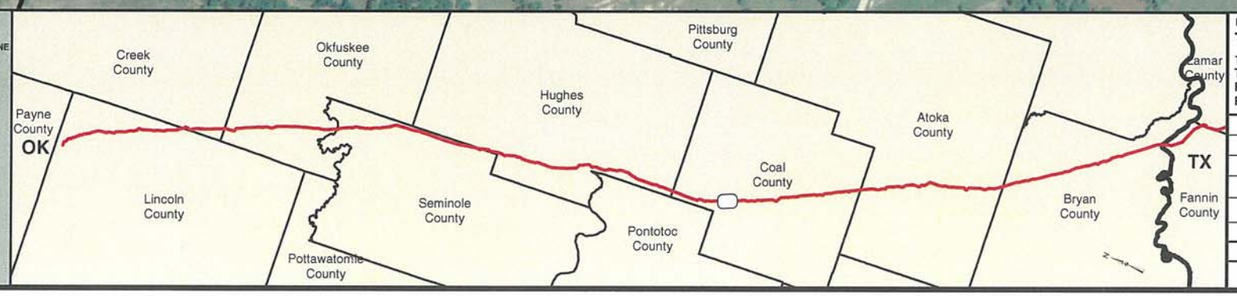

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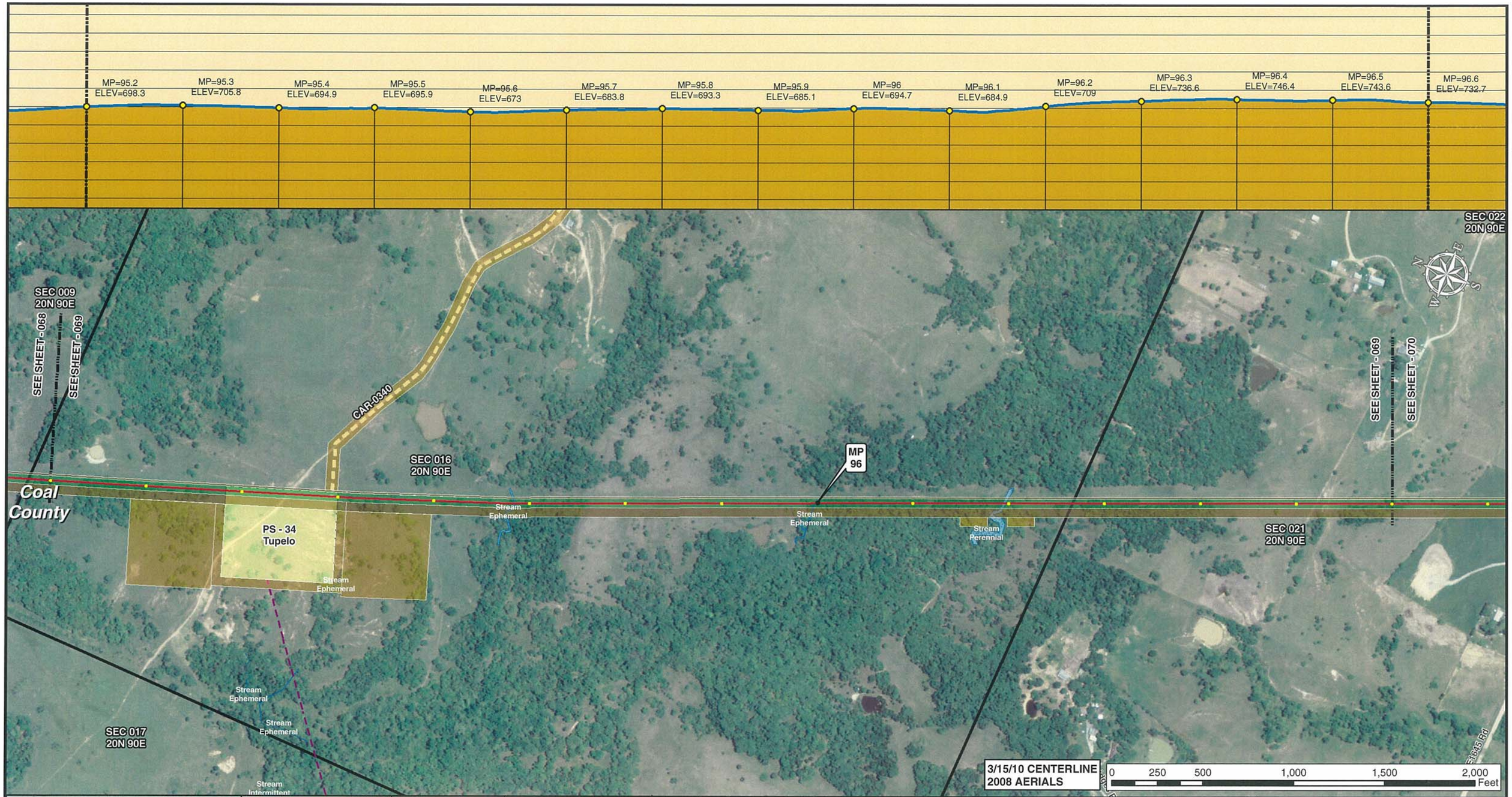
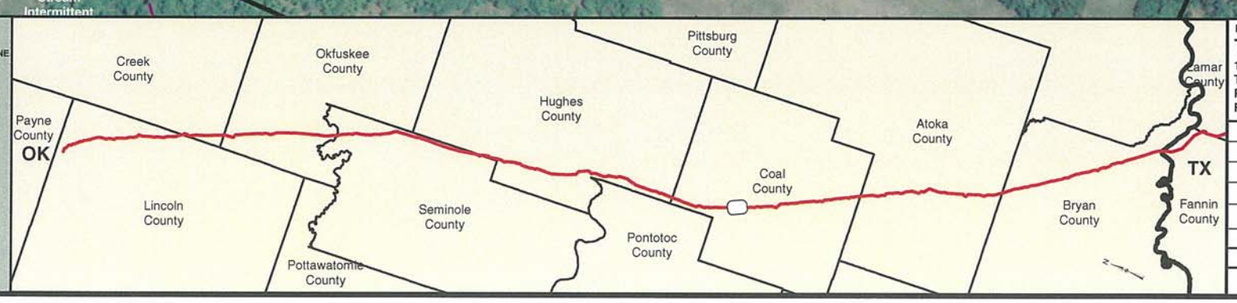
GS	SS	RG	50388X	XL-40-ML-2002-P-068 -A	068	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
- ACCESS ROAD
- TRANSMISSION LINE
- PUMP STATION
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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Fax: 1-850-385-5523
Trow

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0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

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KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

COAL COUNTY, OKLAHOMA

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
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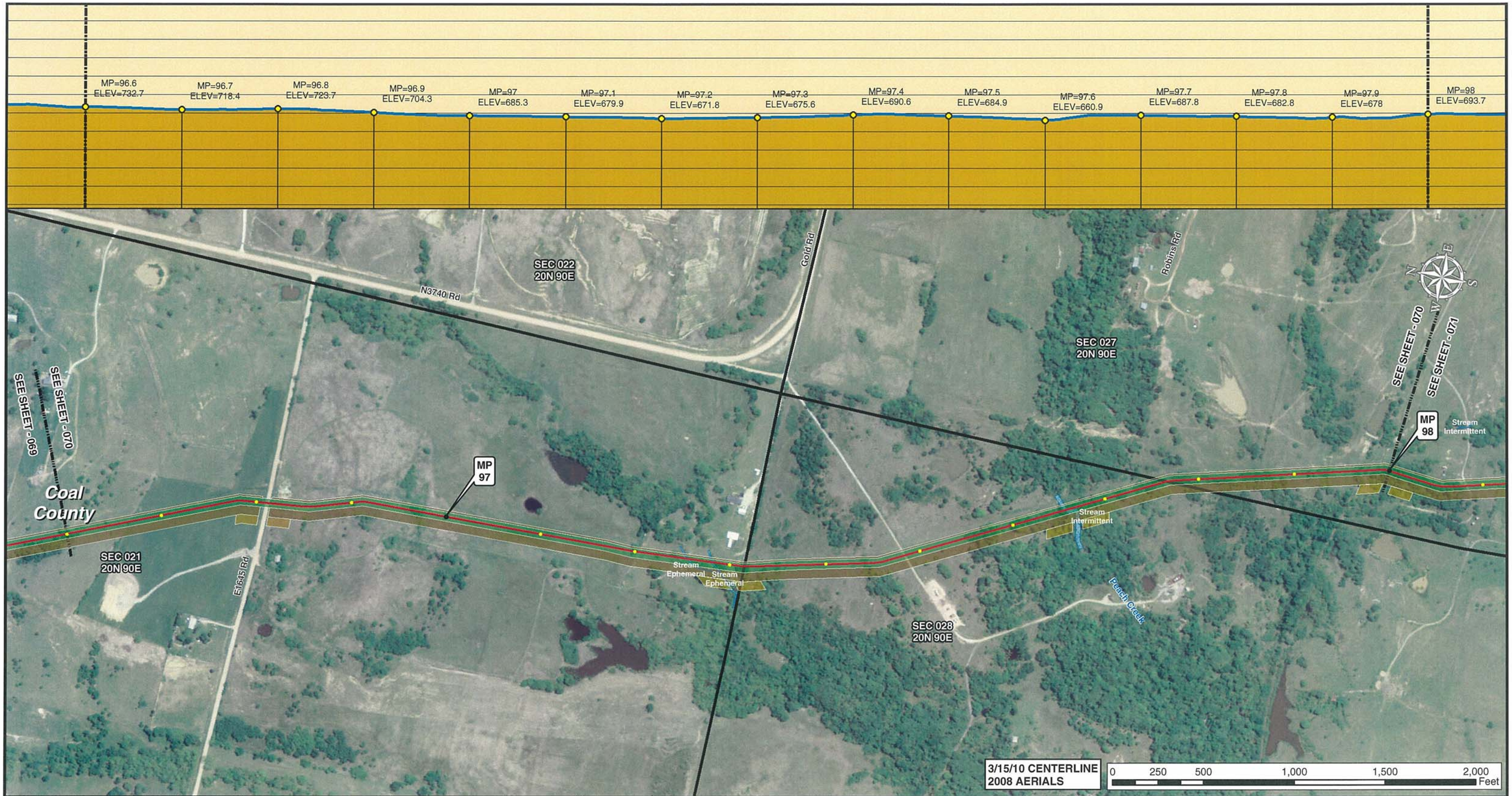

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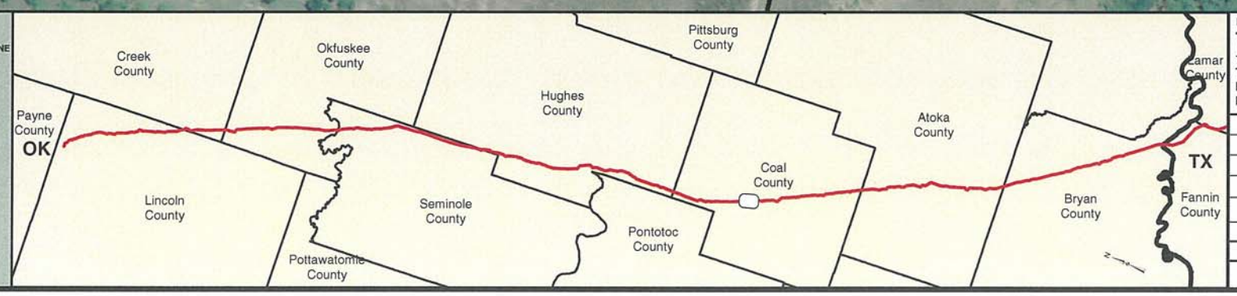

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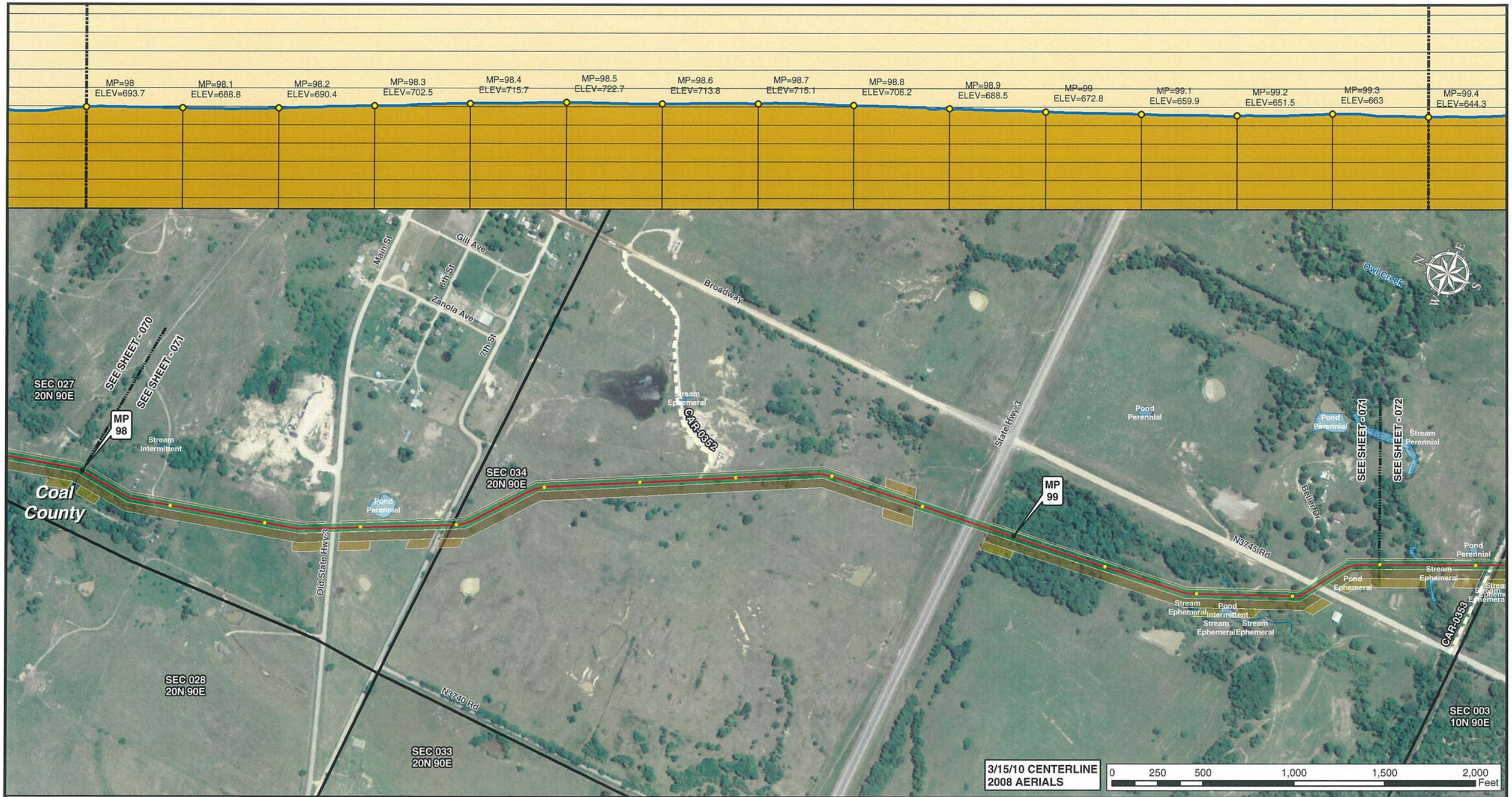

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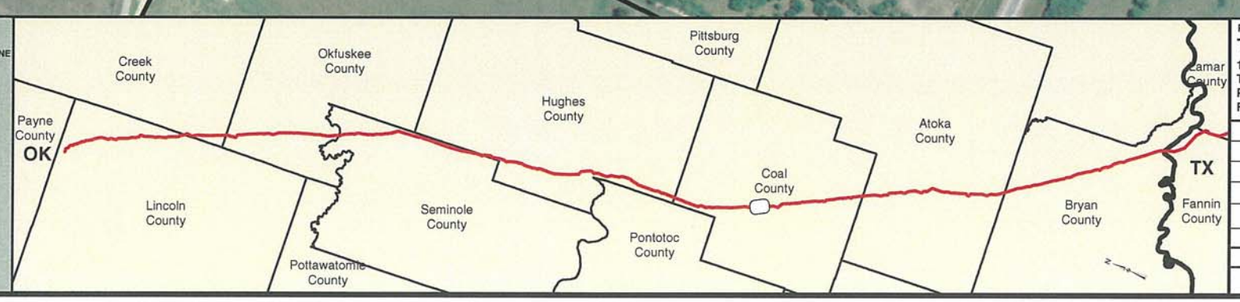

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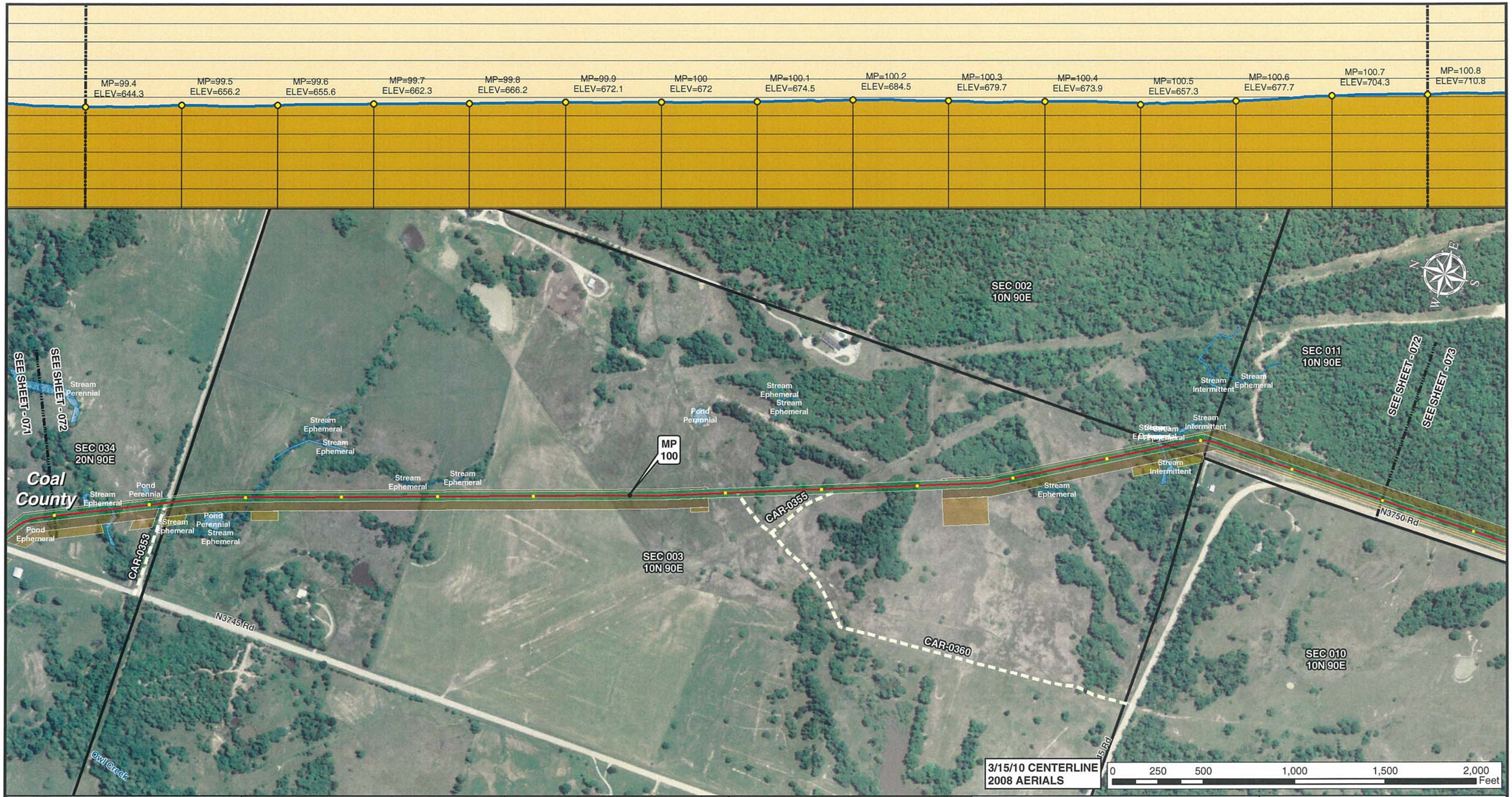
GS	SS	RG	50388X	XL-40-ML-2002-P-071 -A	071	2



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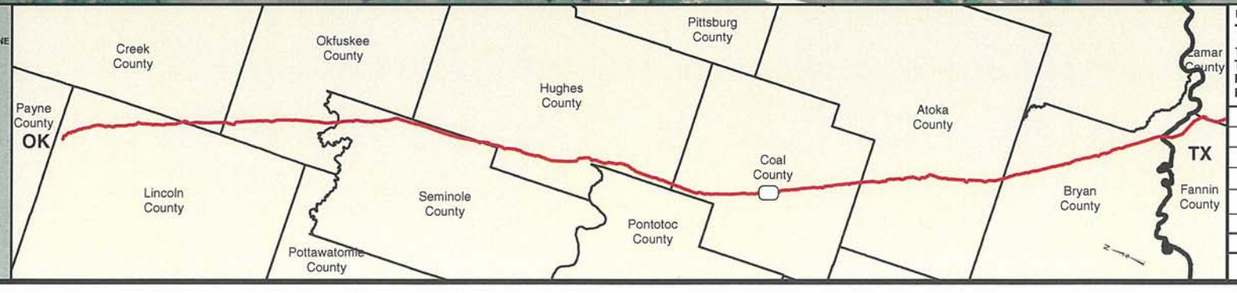

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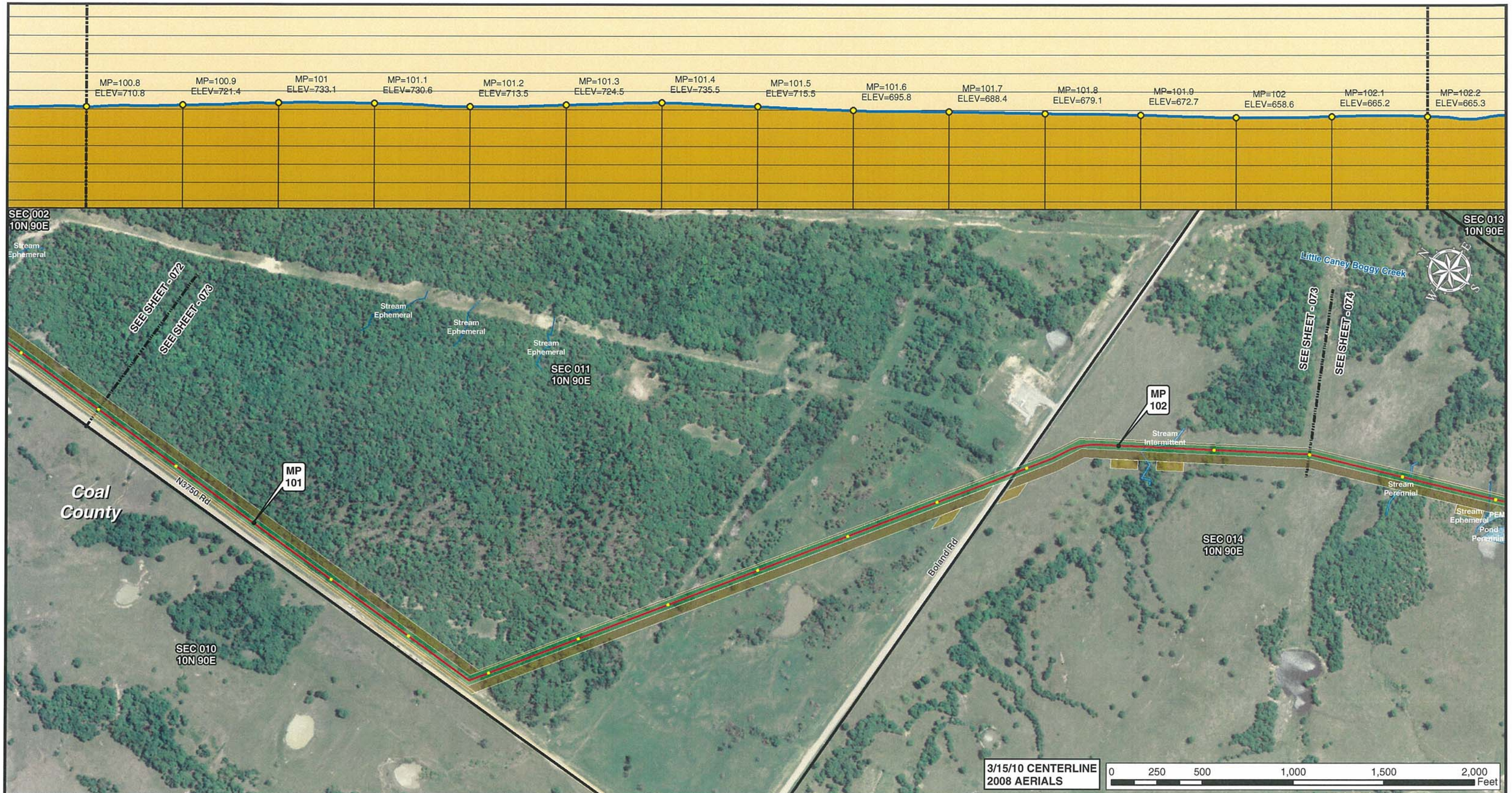
GS	SS	RG	50388X	XL-40-ML-2002-P-072 -A	072	2



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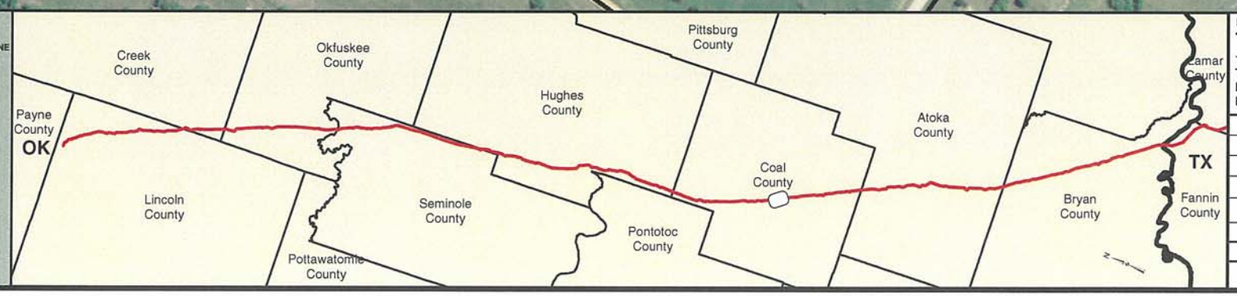

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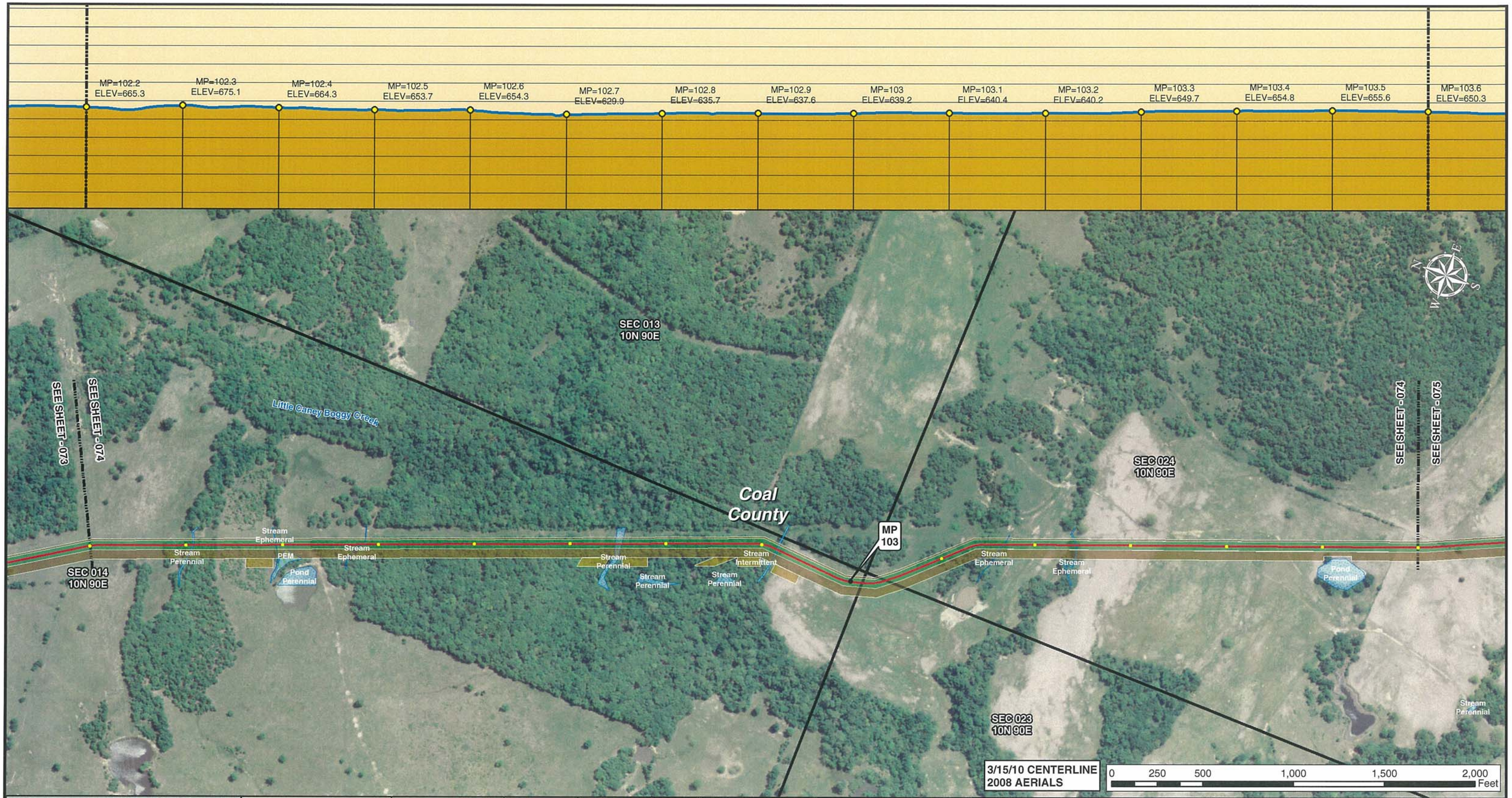

Legend

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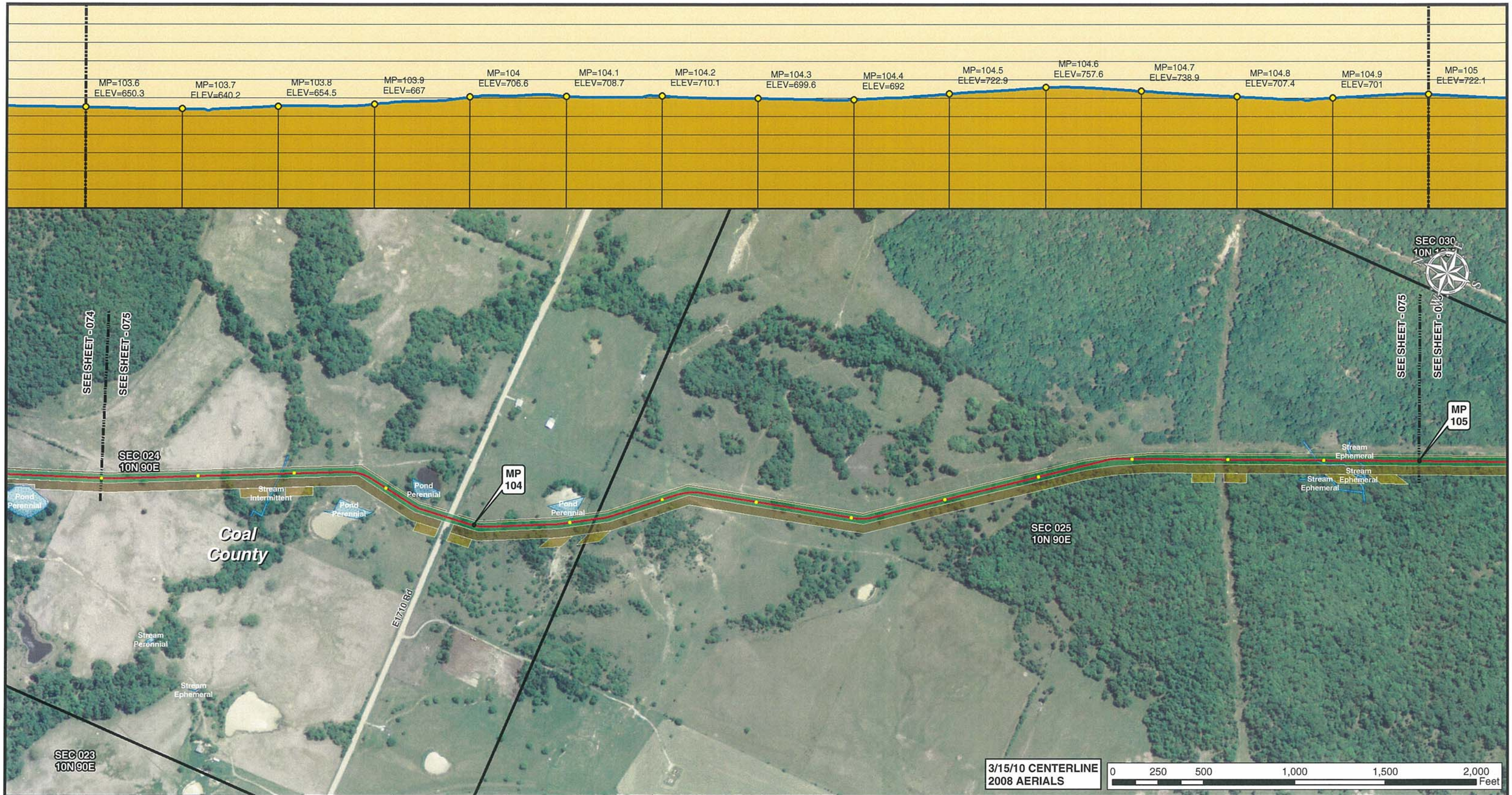
GS	SS	RG	50388X	XL-40-ML-2002-P-074 -A	074	2



Legend

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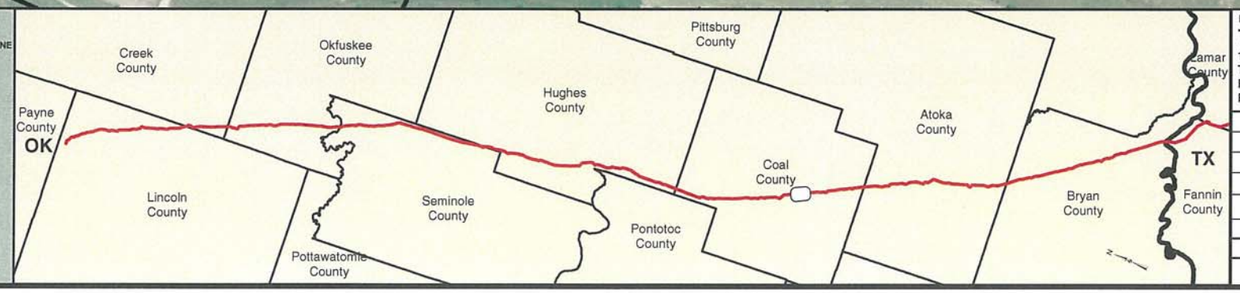

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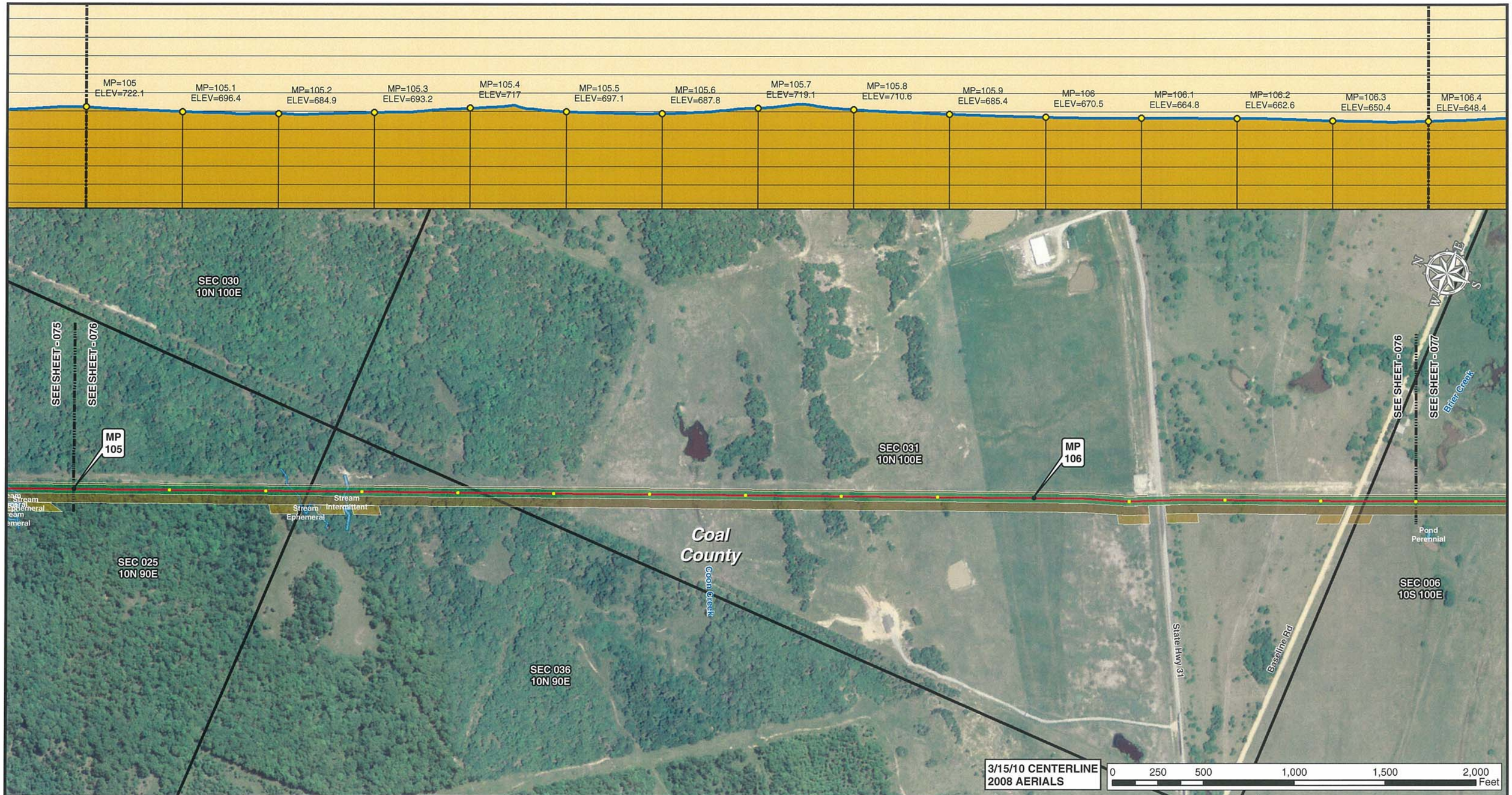

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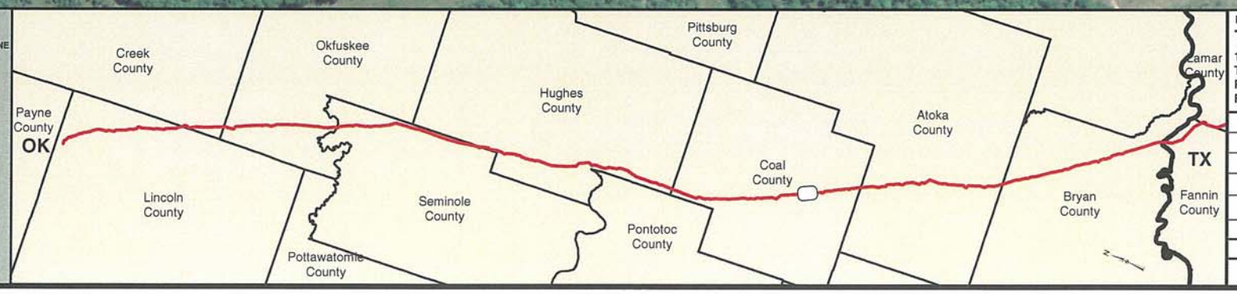

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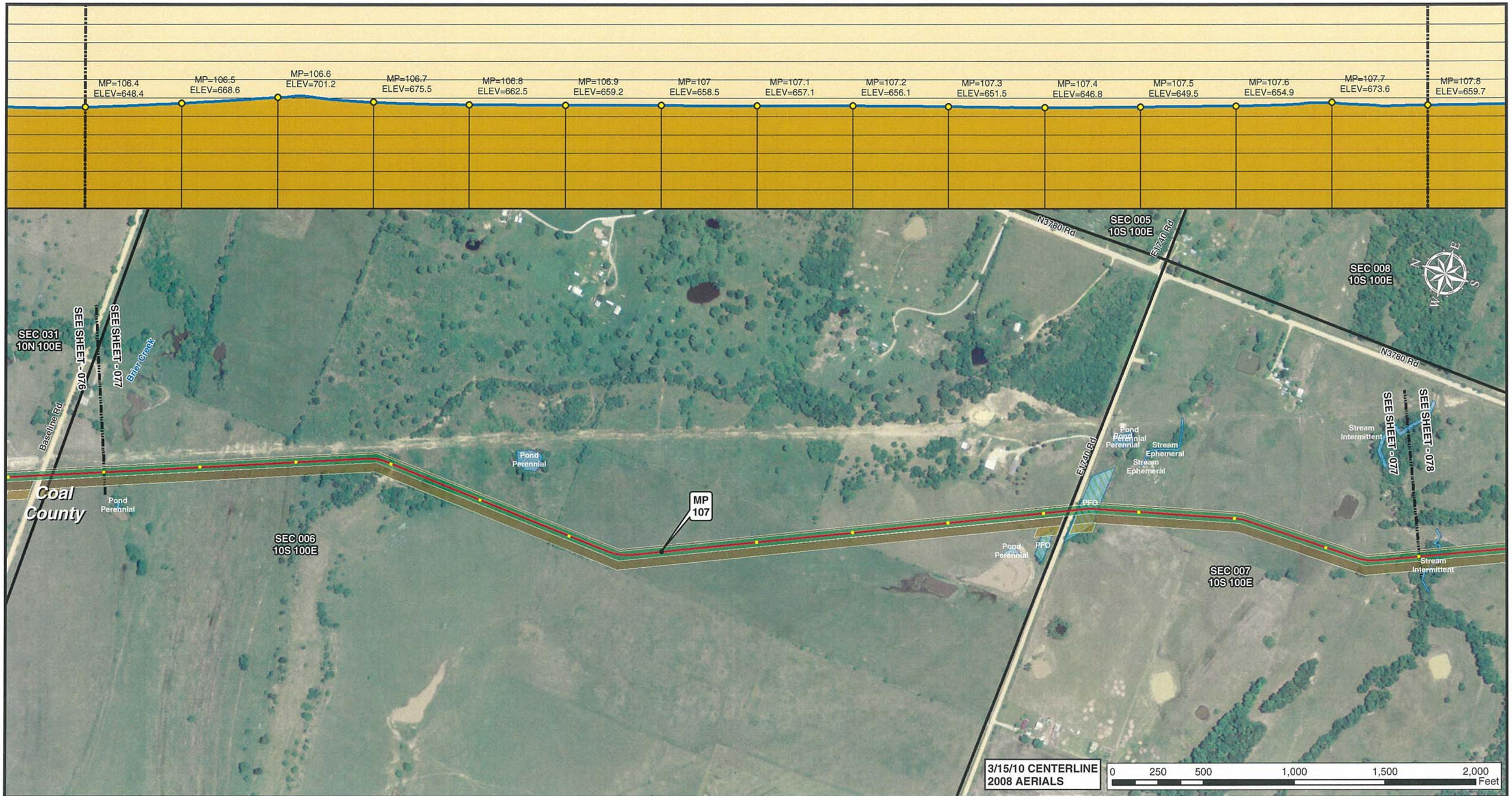

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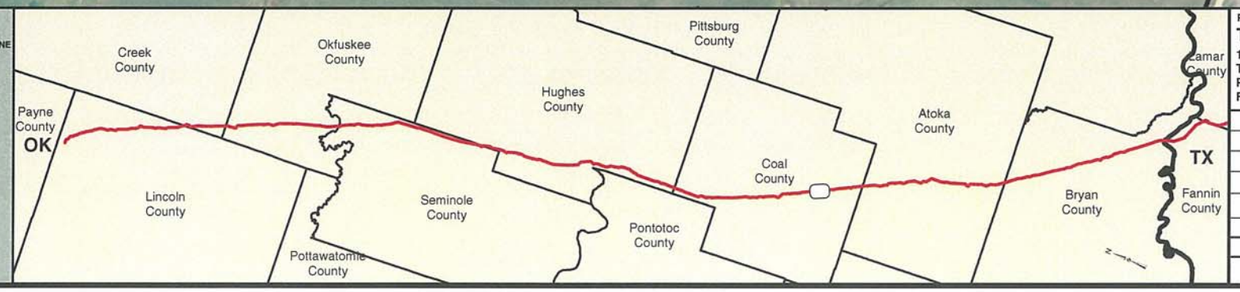

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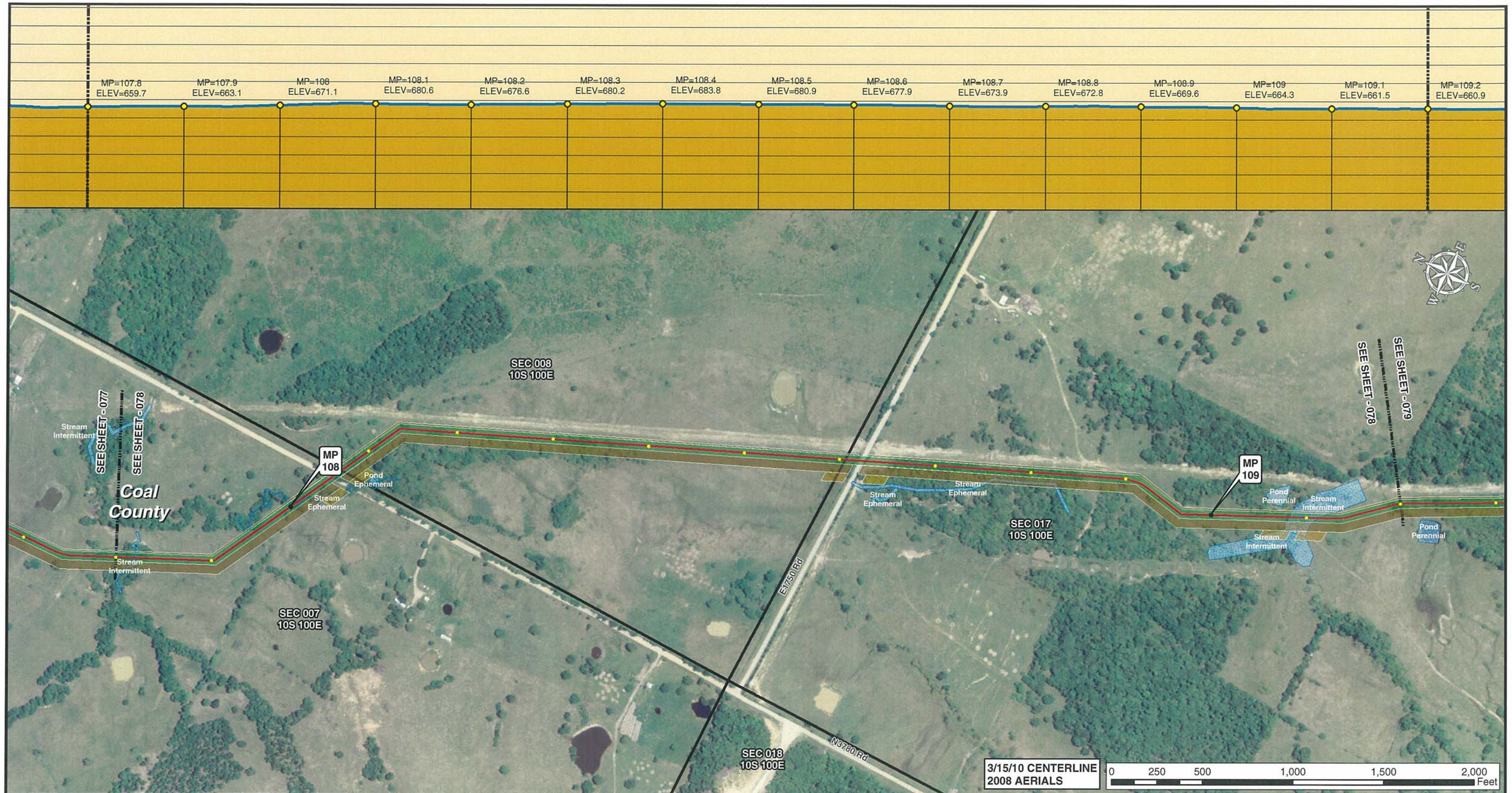

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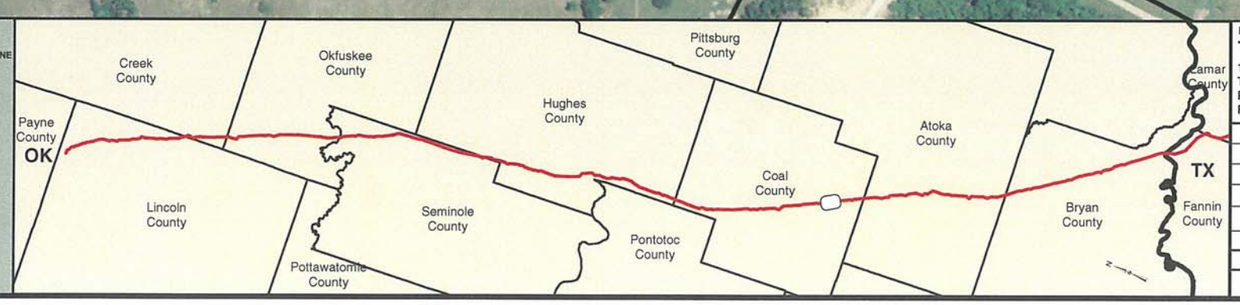

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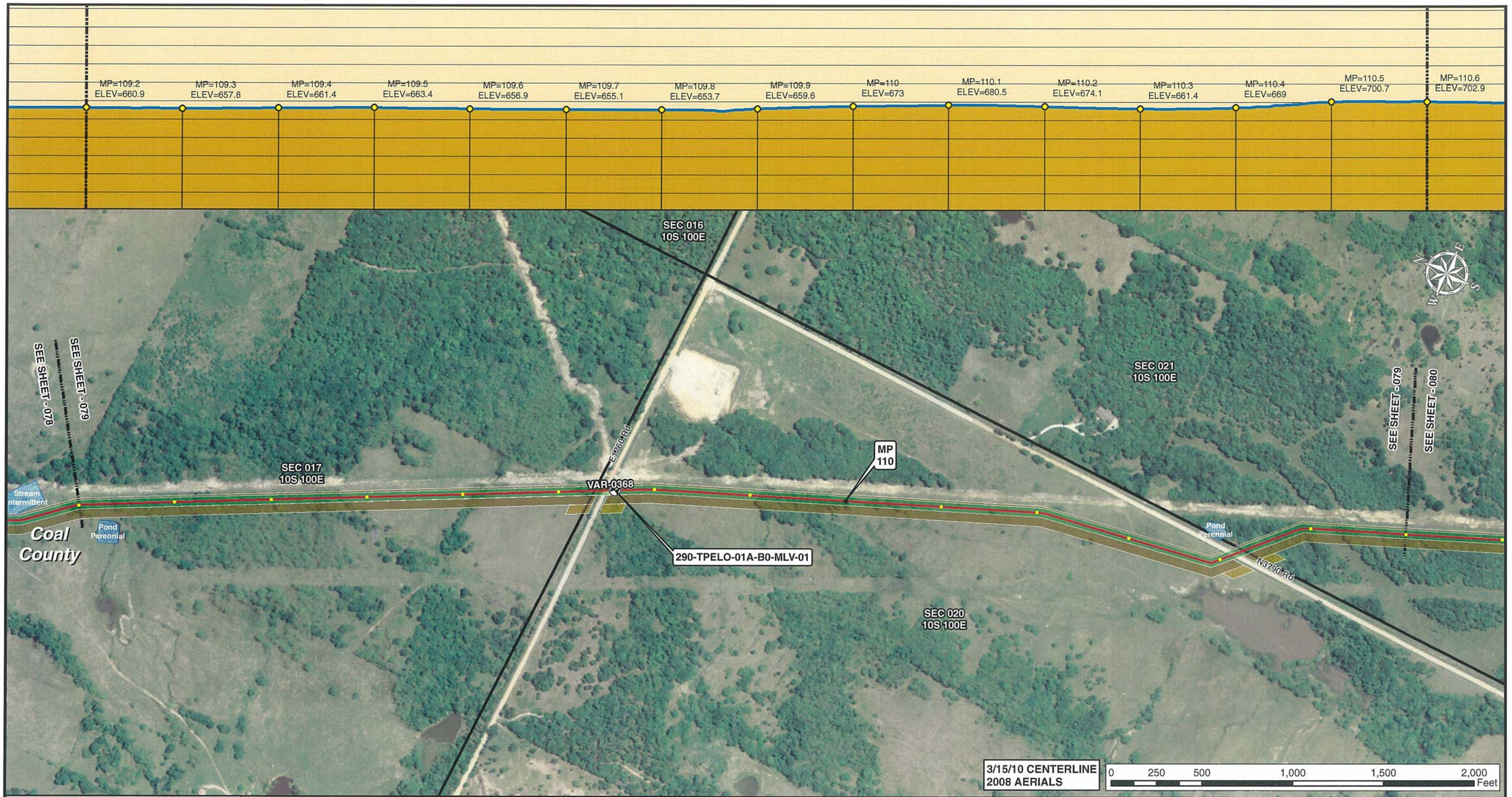

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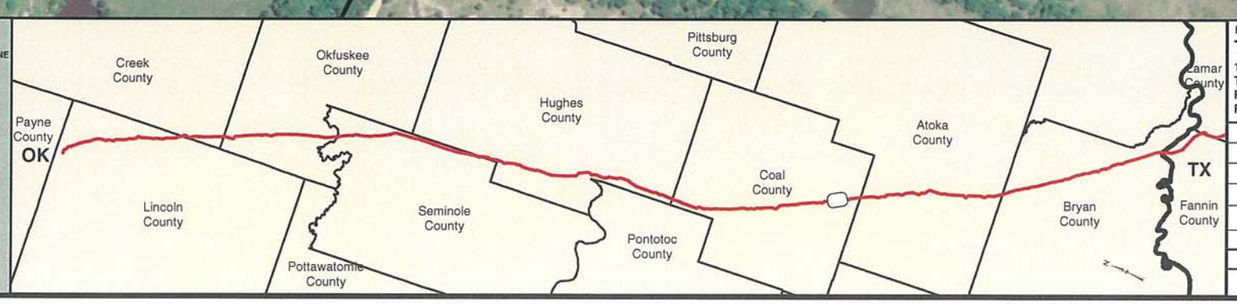

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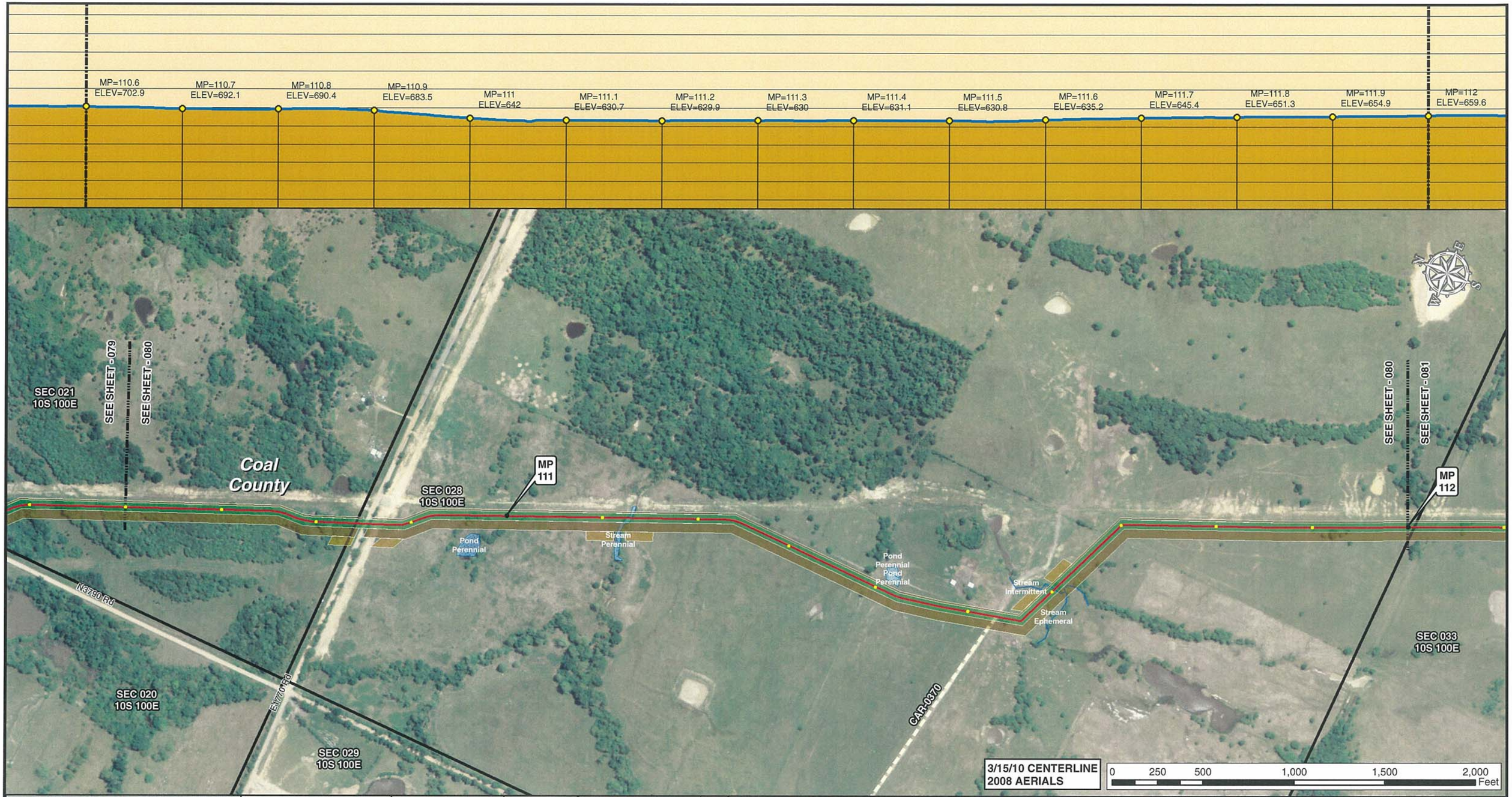
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

COAL COUNTY, OKLAHOMA

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-40-ML-2002-P-079 -A	079	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
- ACCESS ROAD
- TRANSMISSION LINE
- PUMP STATION
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE

PREPARED BY:
TROW ENGINEERING CONSULTANTS INC.
1300 Metropolitan Boulevard, Suite 200
Tallahassee, Florida , USA 32308
Phone: 1-850-385-5441
Fax: 1-850-385-5523
Trow

NO.	REVISION	DATE
2	ISSUED FOR DEIS COMMENT SUBMITTAL TO U.S. DEPT. OF STATE (3.15.10 CL)	5.19.10
1	ISSUED FOR SUPPLEMENTAL U.S. DEPT. OF STATE FILING (2.19.09 CL)	7.6.09
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

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In business to deliver

KEYSTONE XL PROJECT
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CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
COAL COUNTY, OKLAHOMA

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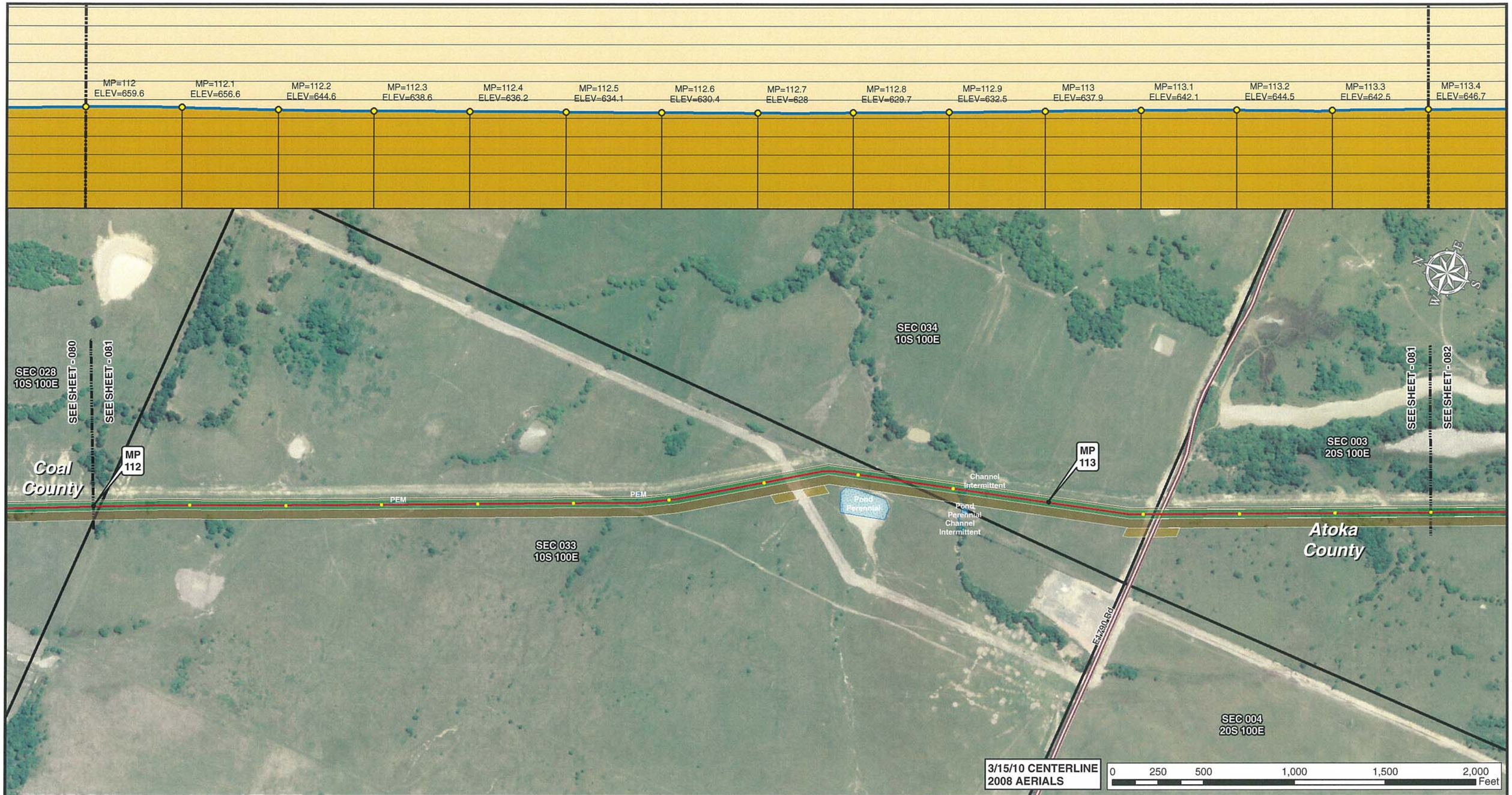

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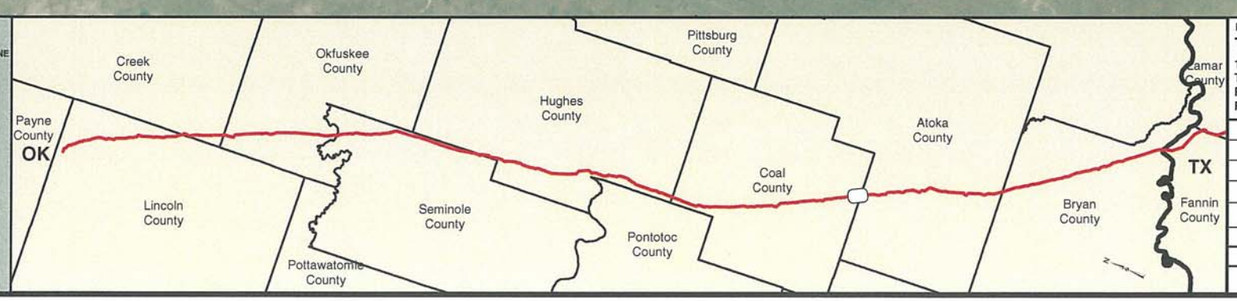

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COAL COUNTY, OKLAHOMA

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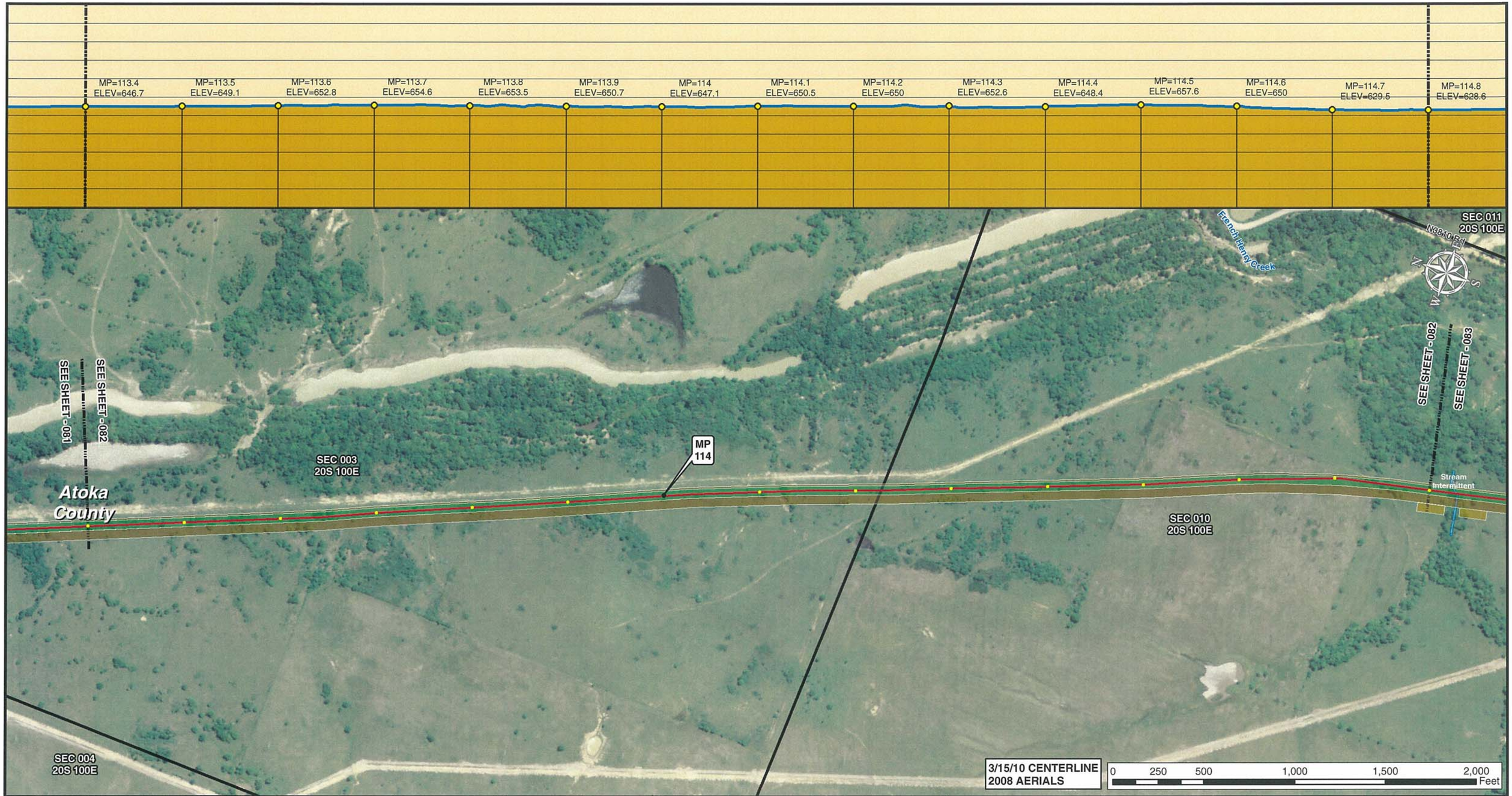

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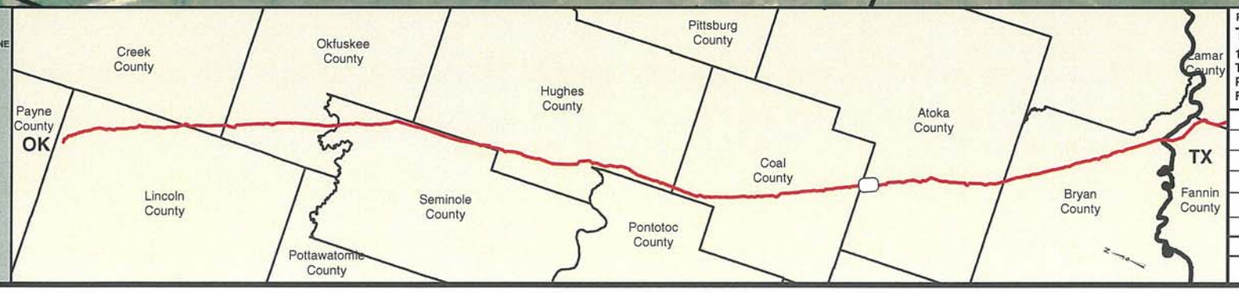

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ATOKA COUNTY, OKLAHOMA

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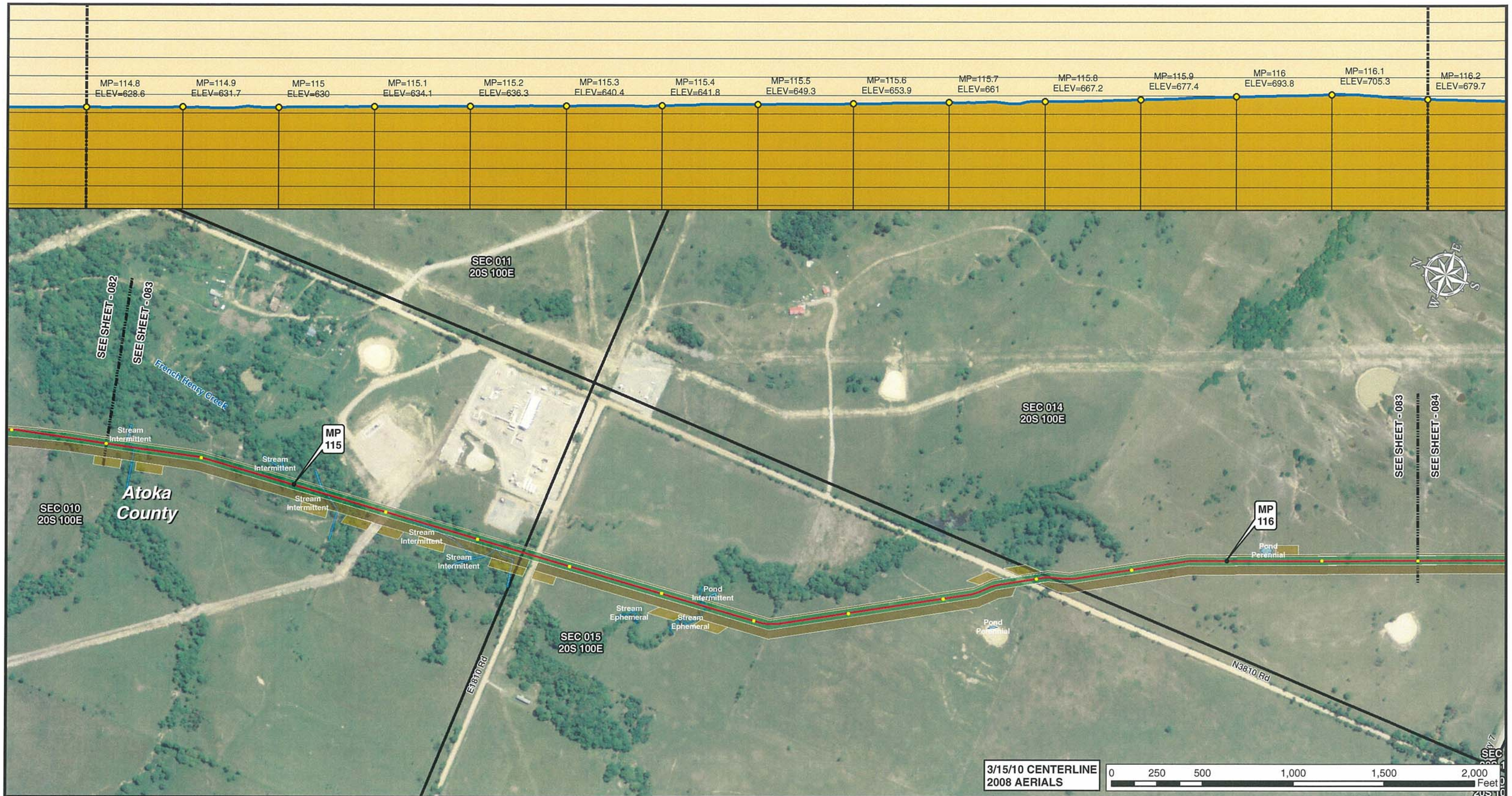

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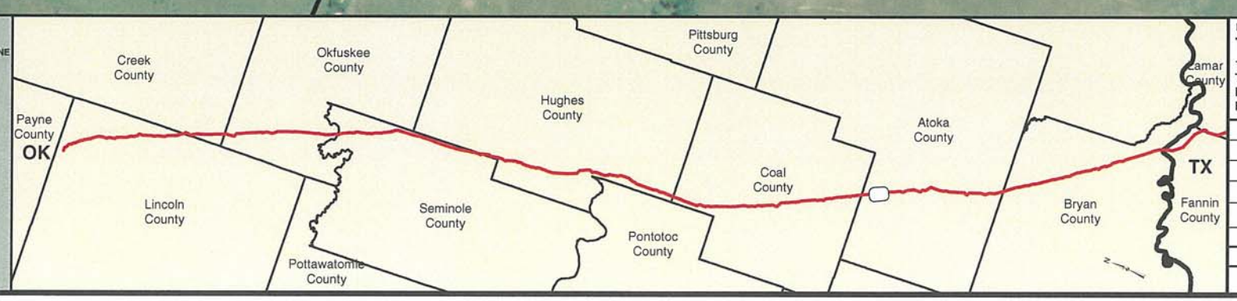

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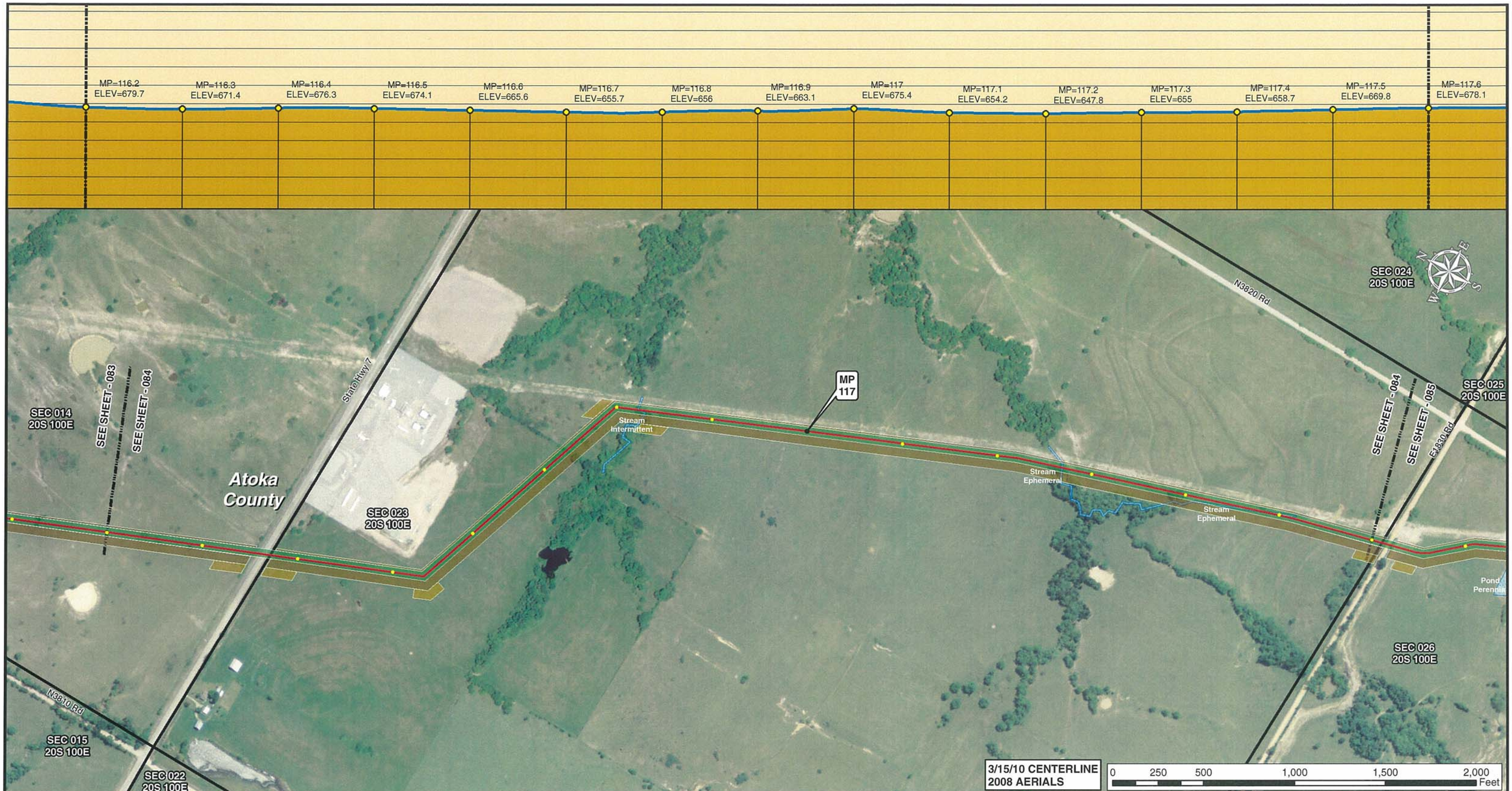

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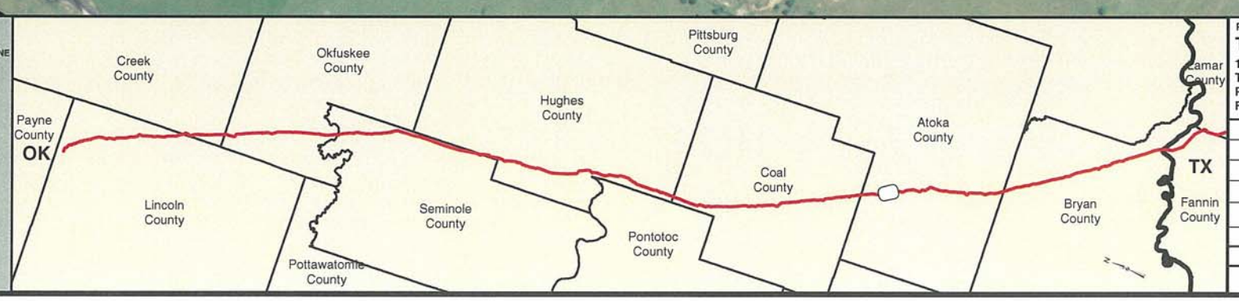

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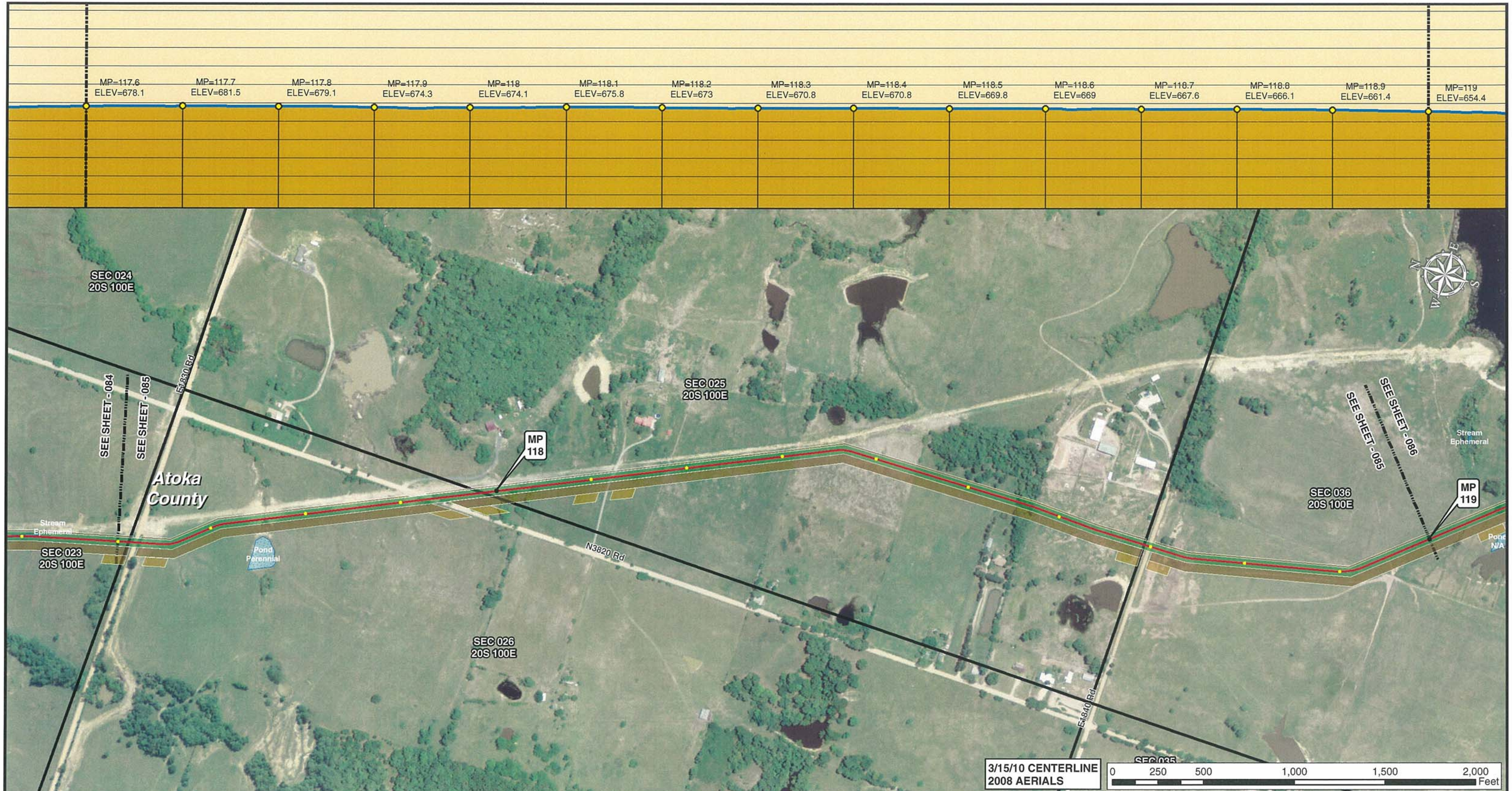

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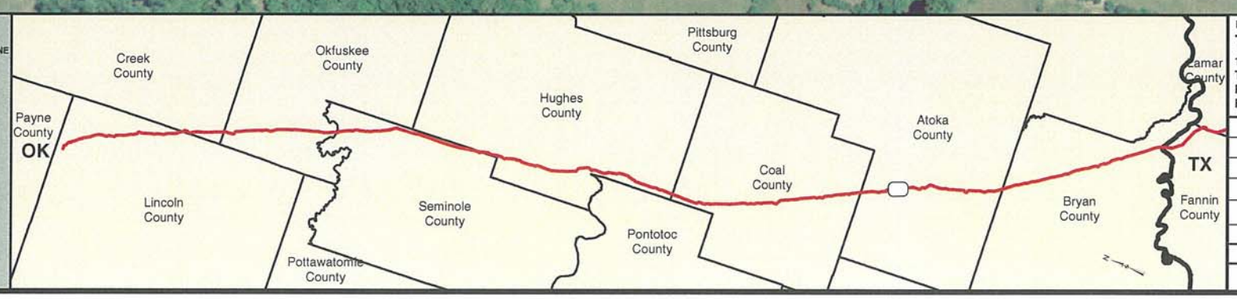

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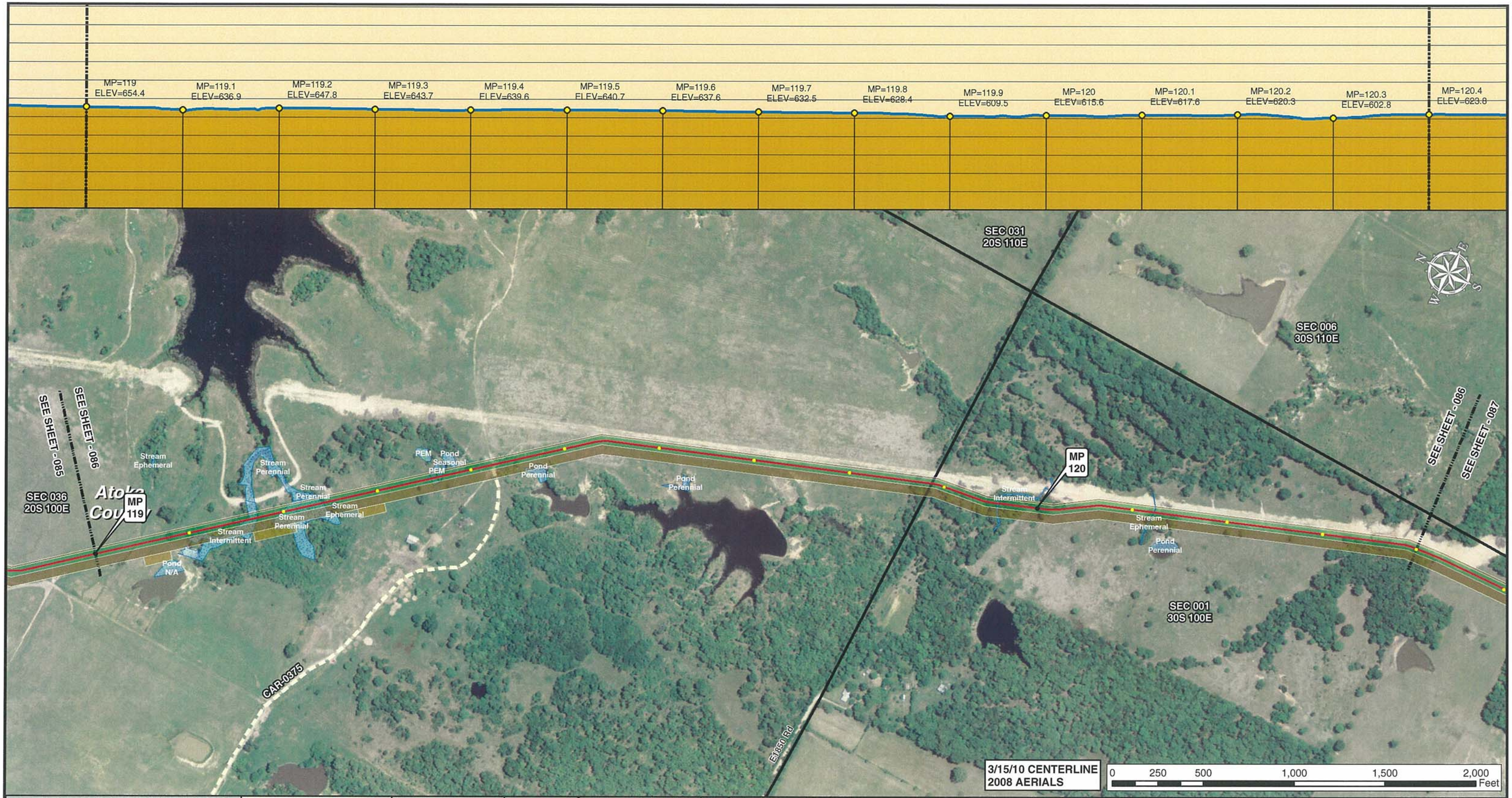

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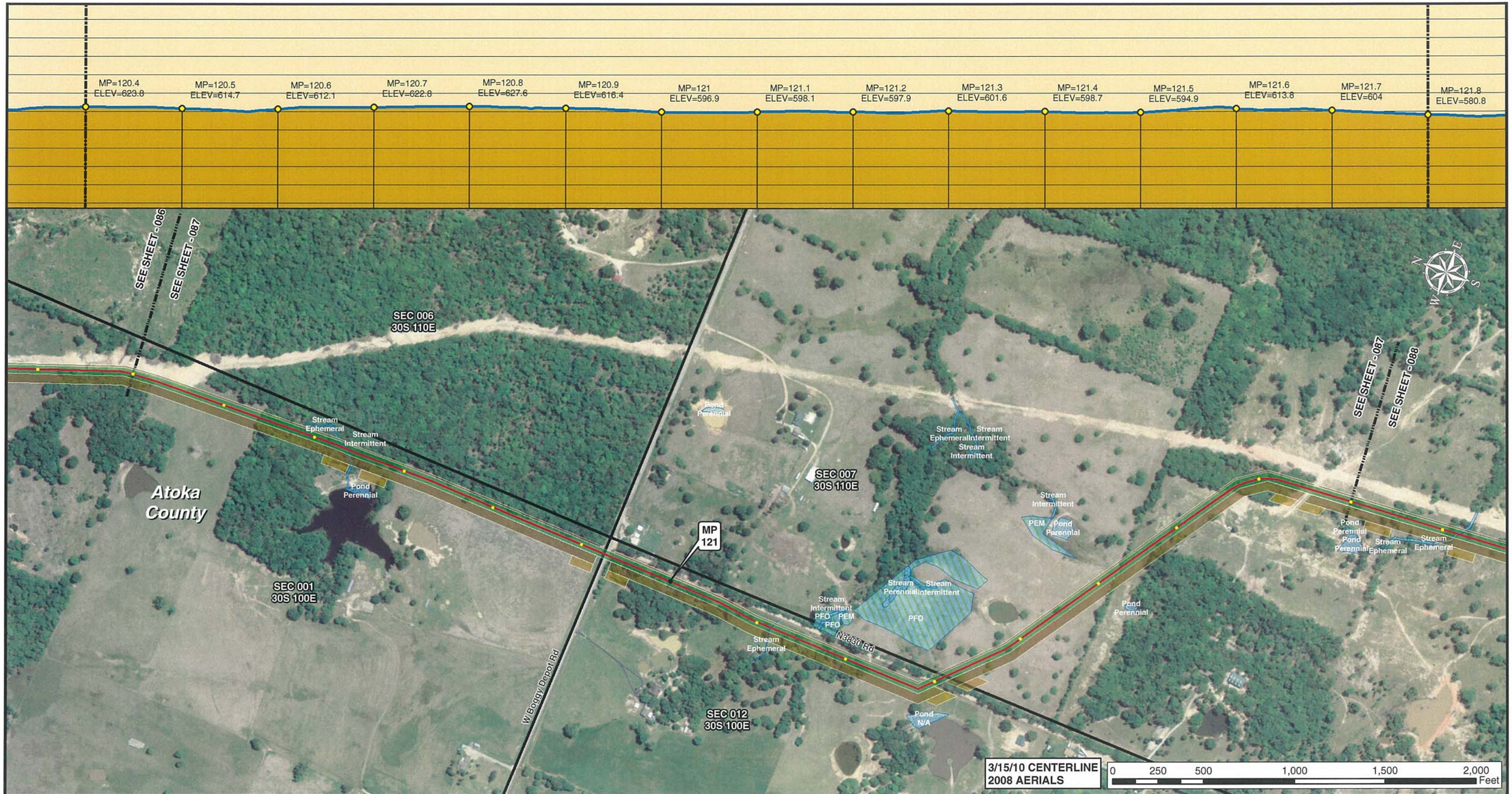

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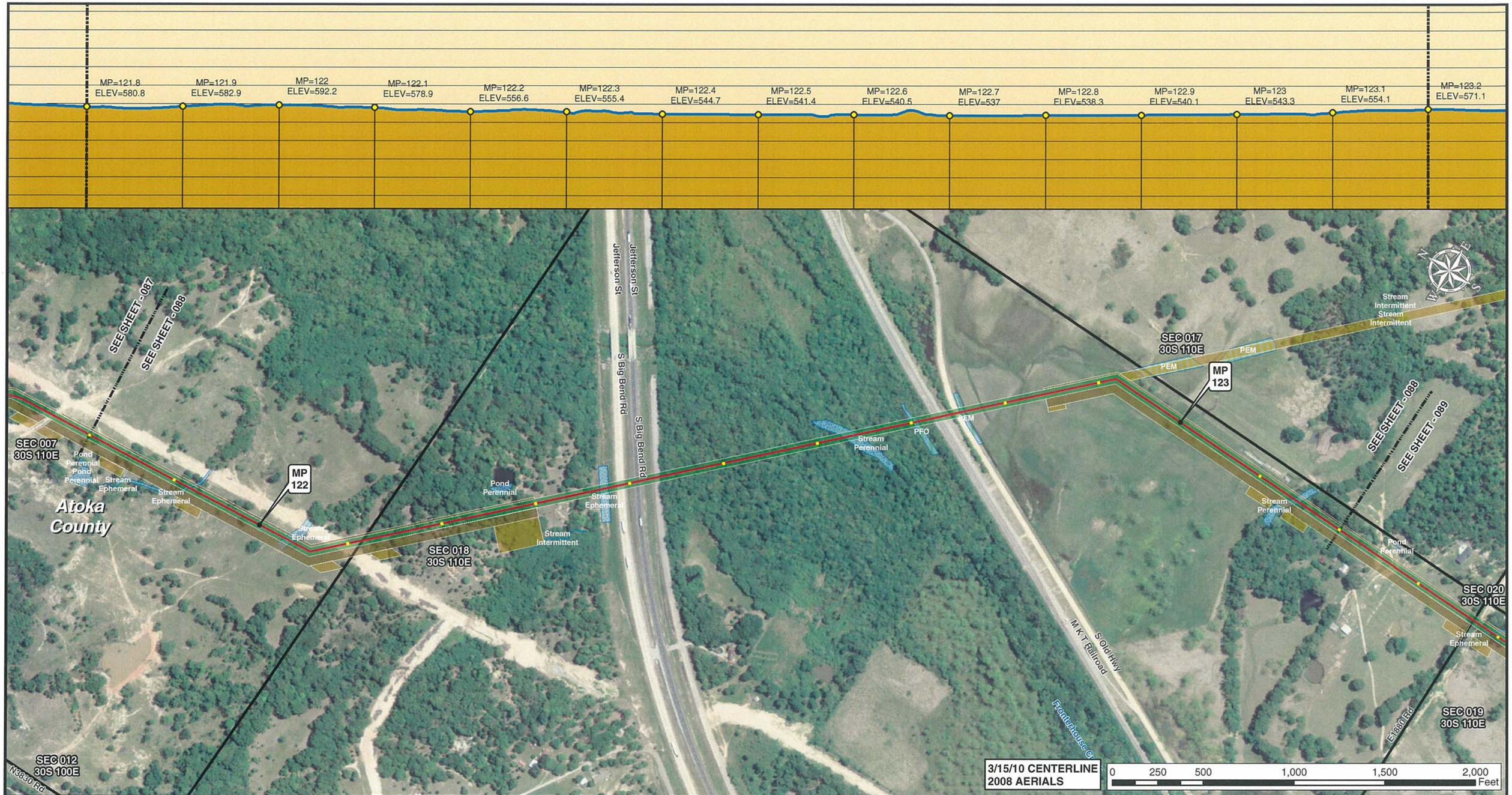
GS	SS	RG	50388X	XL-40-ML-2002-P-087 -A	087	2



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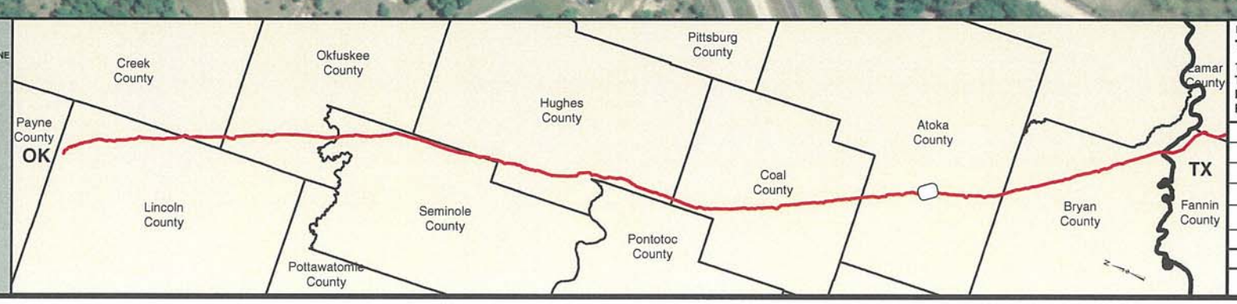

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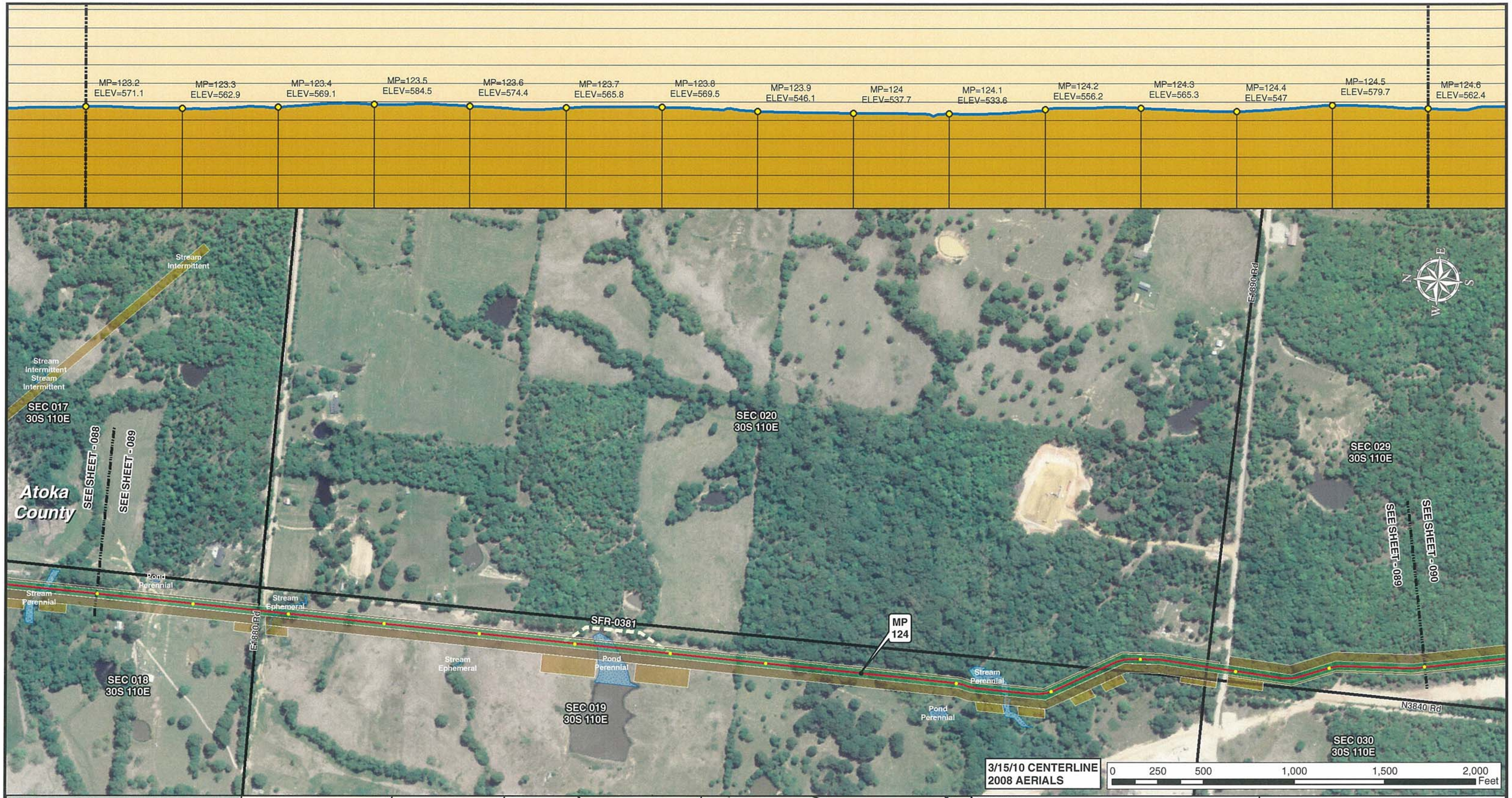

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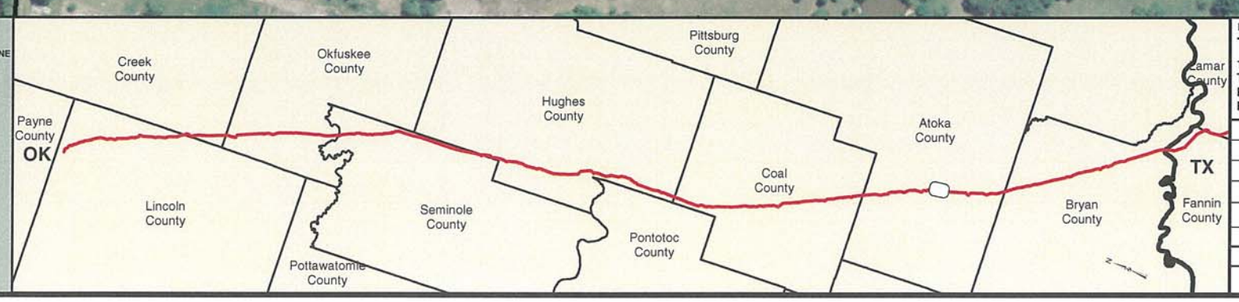

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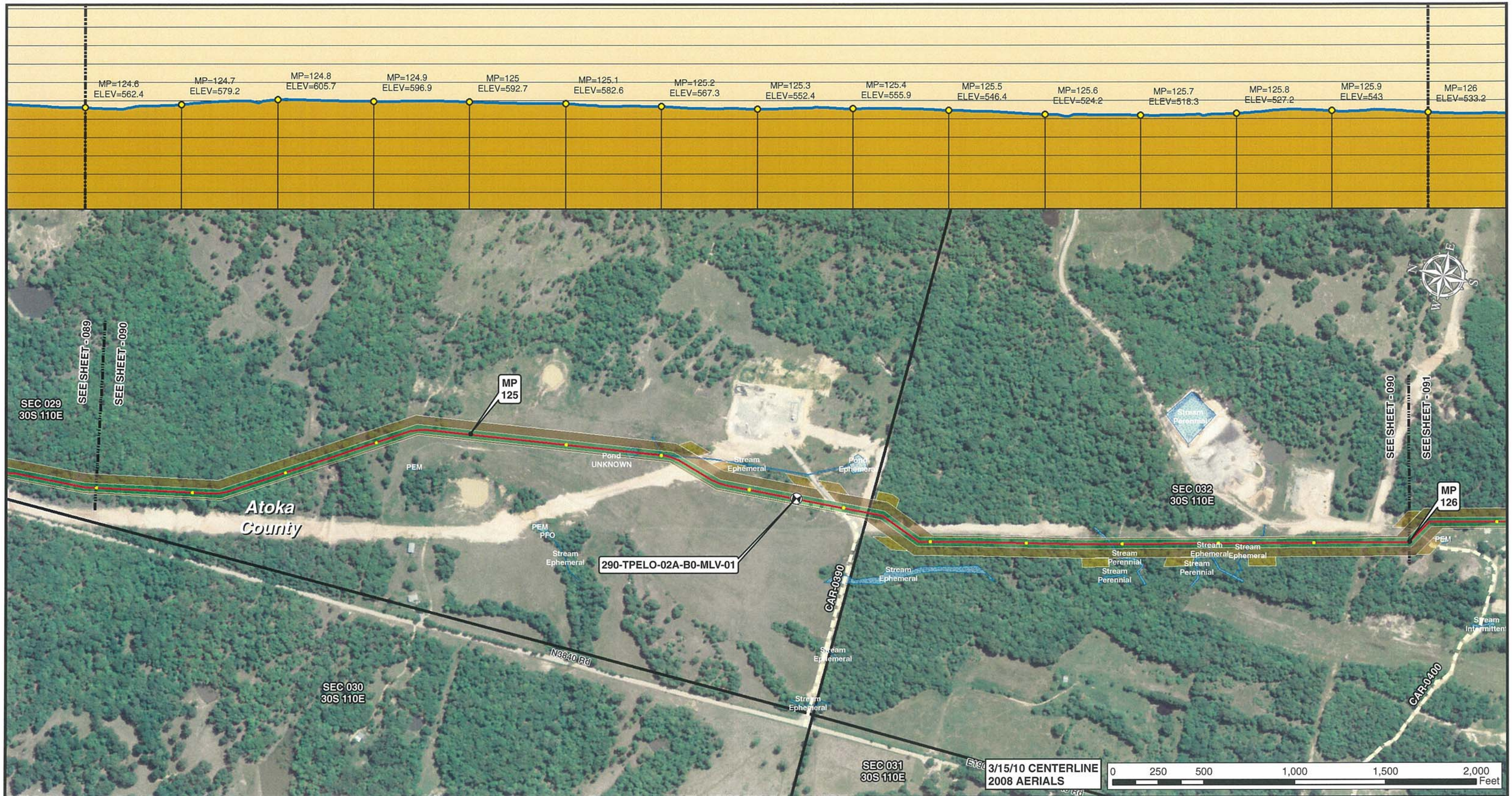

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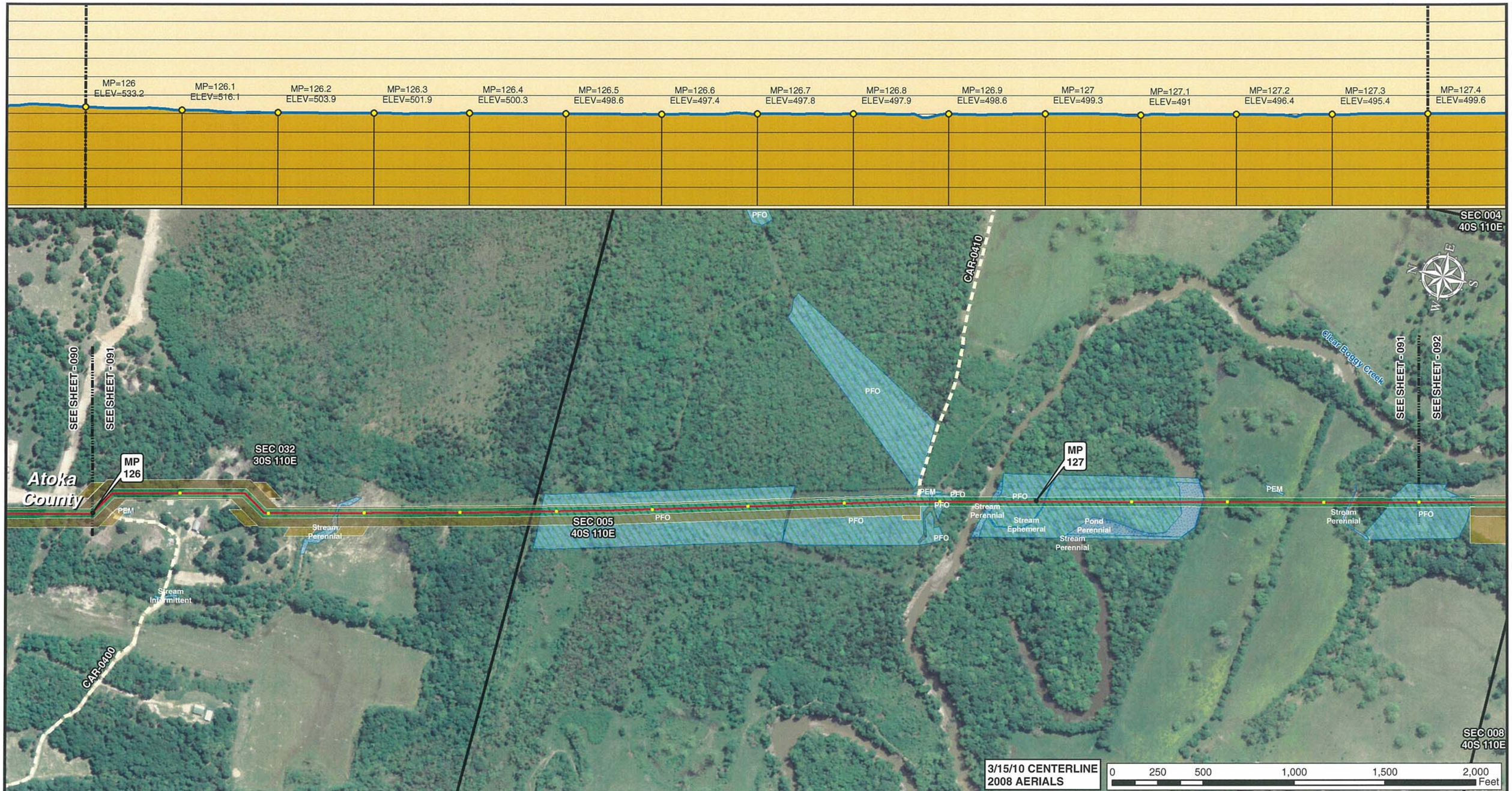

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- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
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PREPARED BY:
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0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

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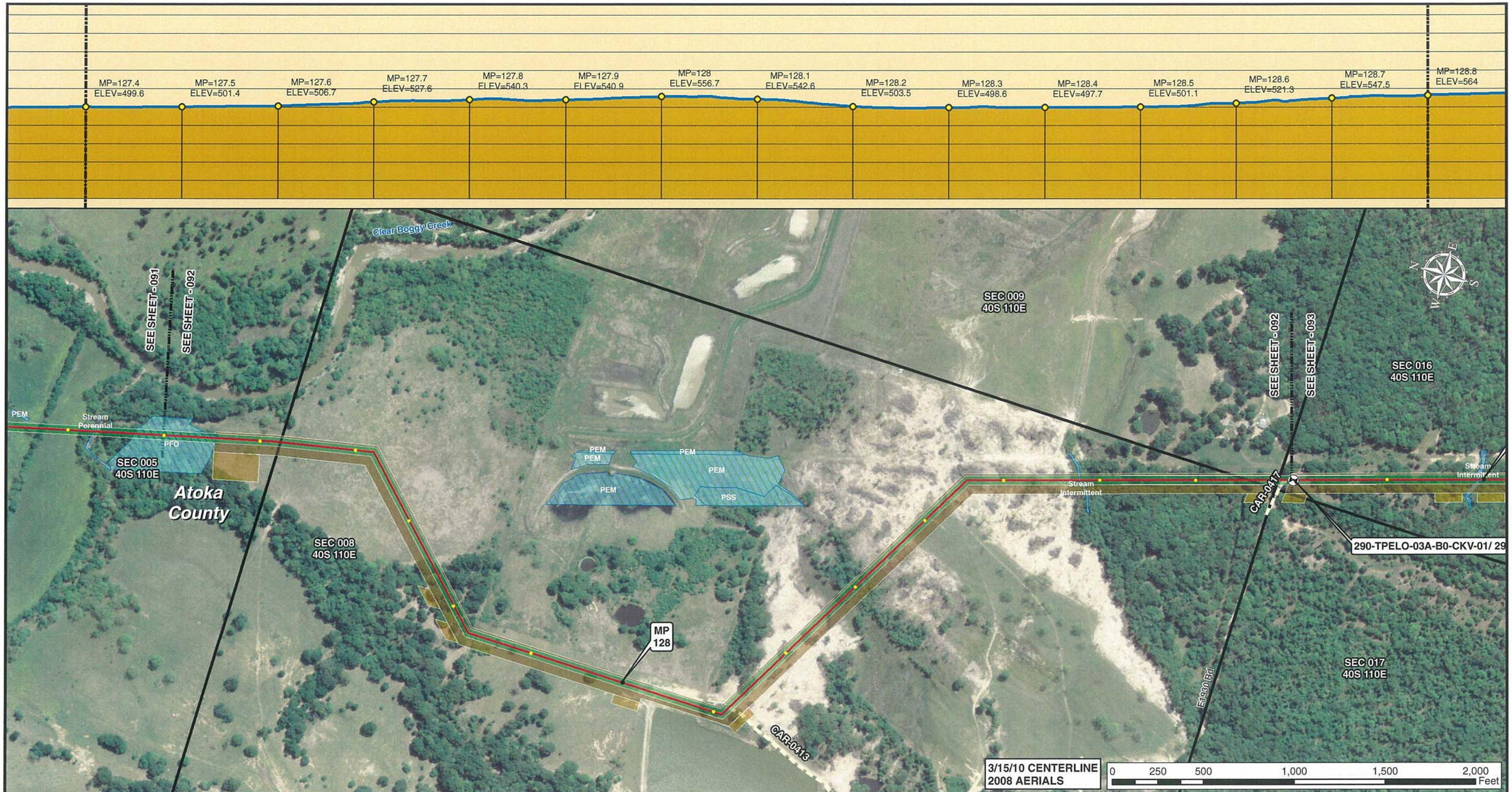
In business to deliver

KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

ATOKA COUNTY, OKLAHOMA

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-40-ML-2002-P-091 -A	091	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
- ACCESS ROAD
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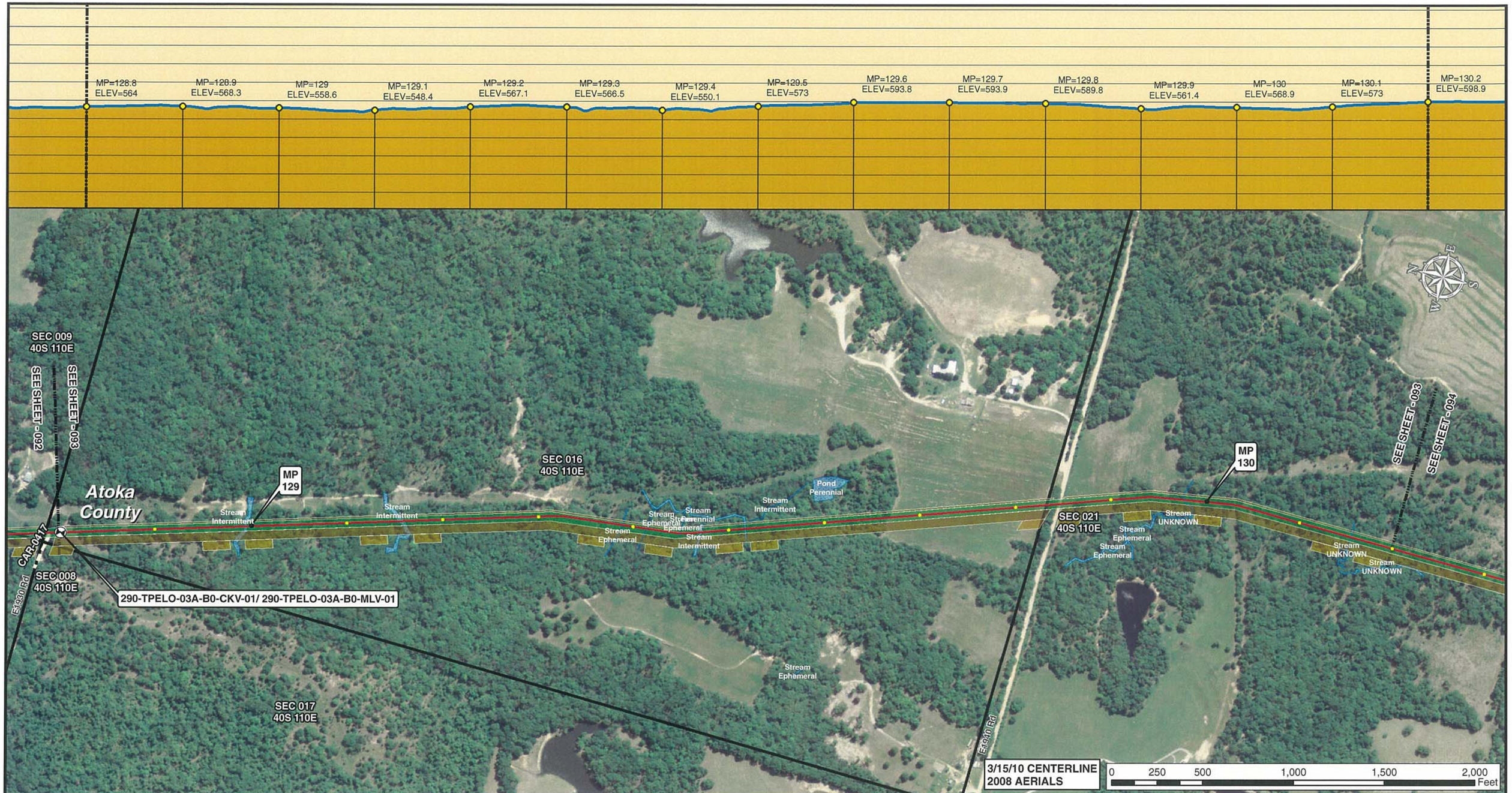

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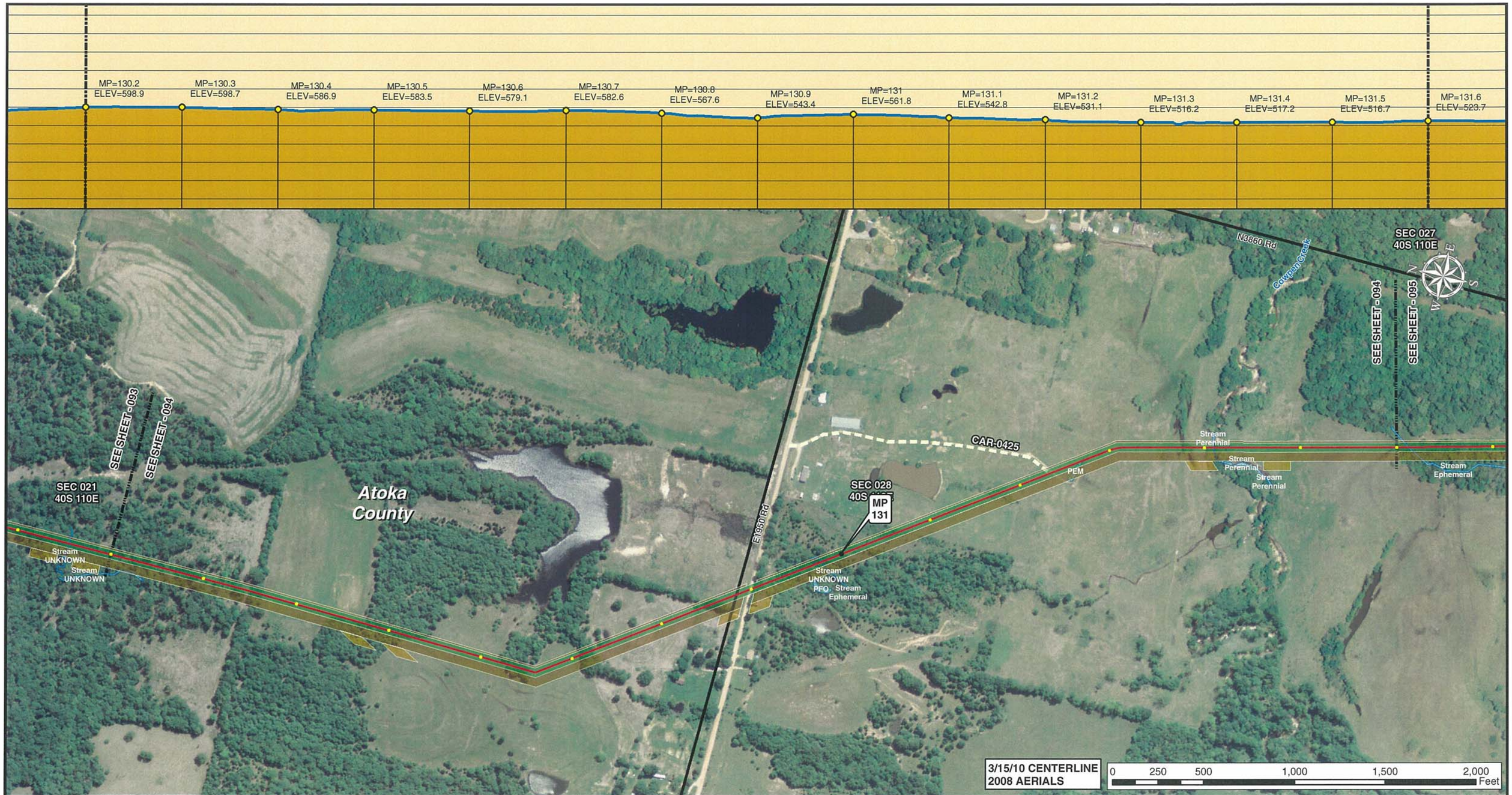

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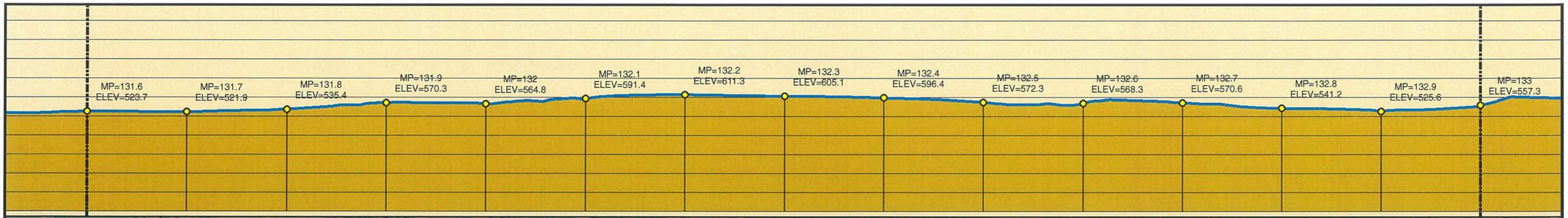

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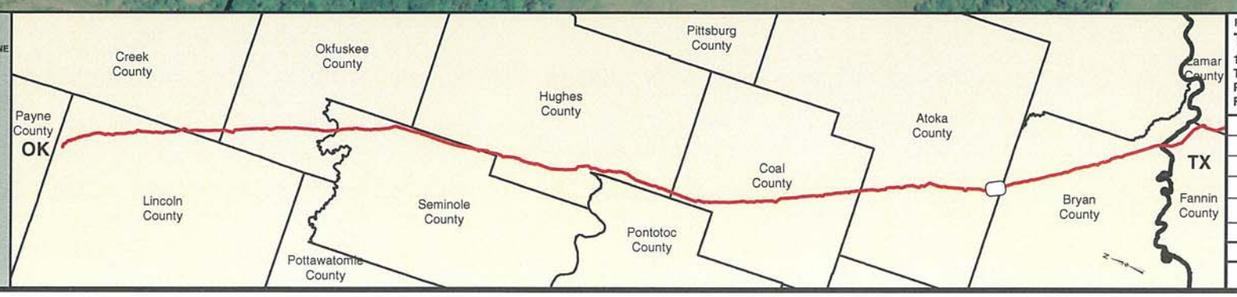

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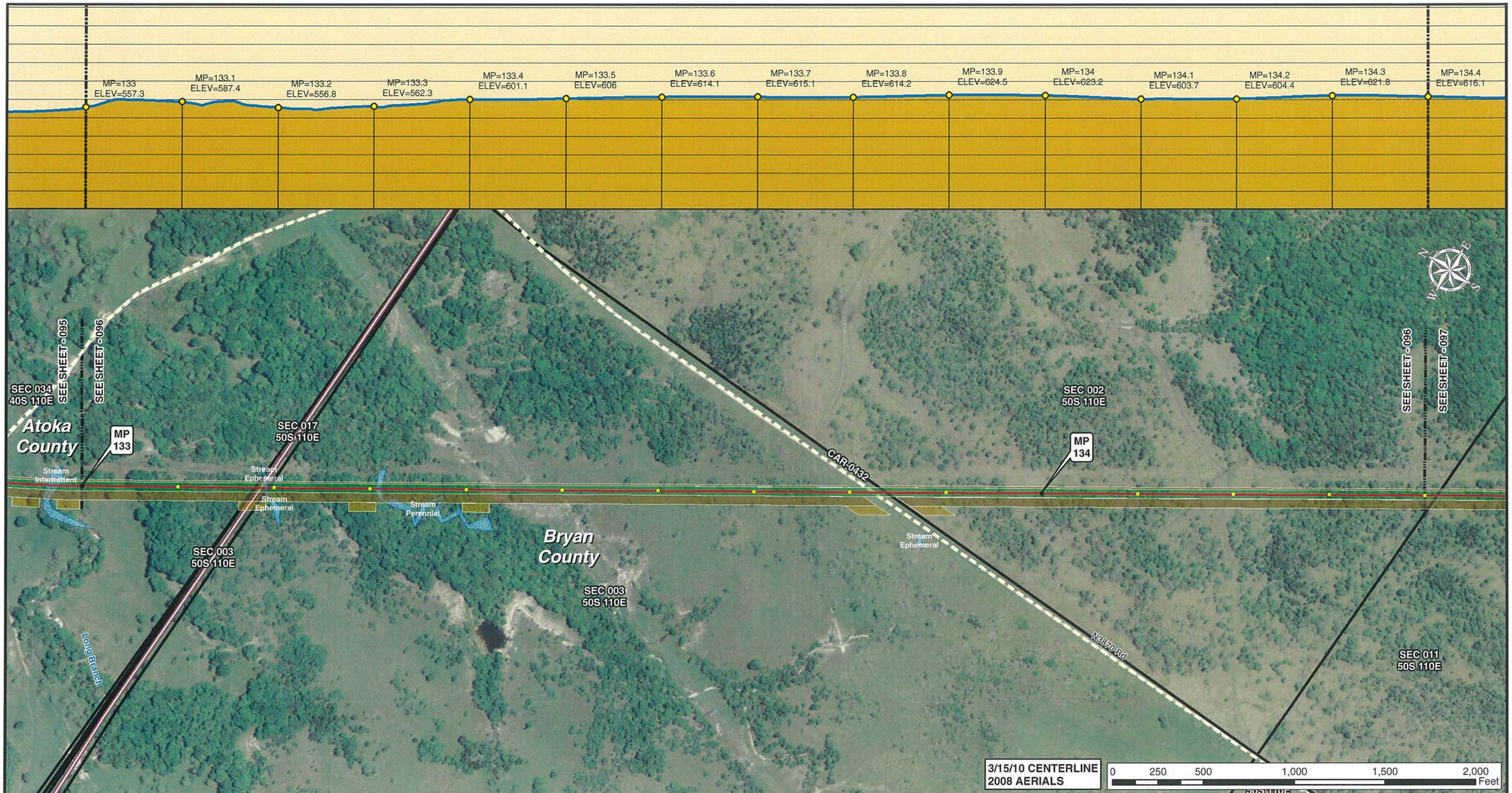

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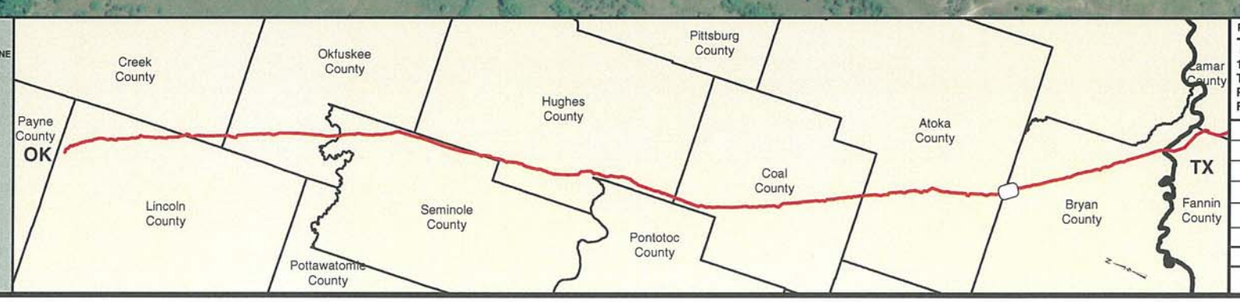

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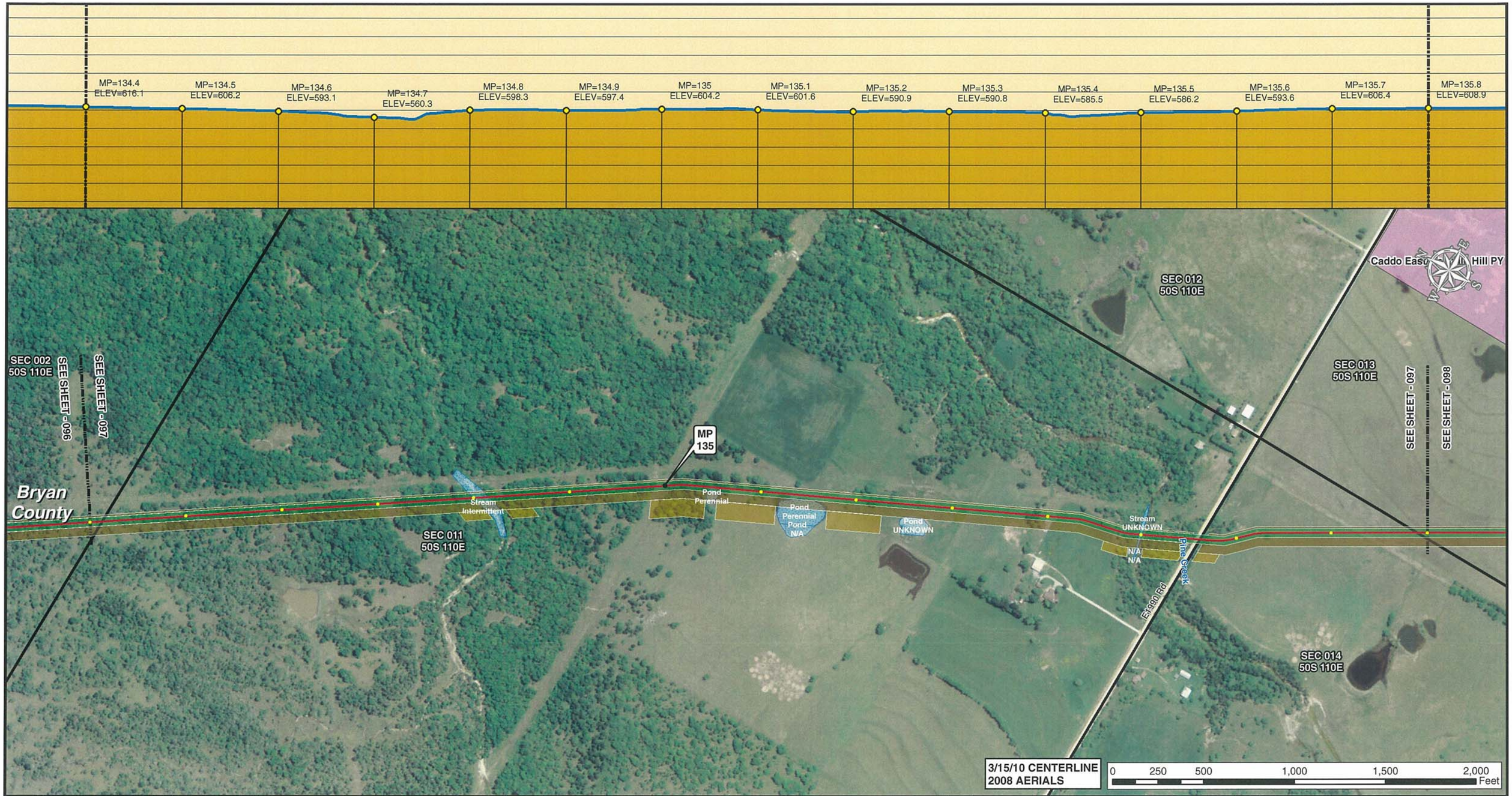

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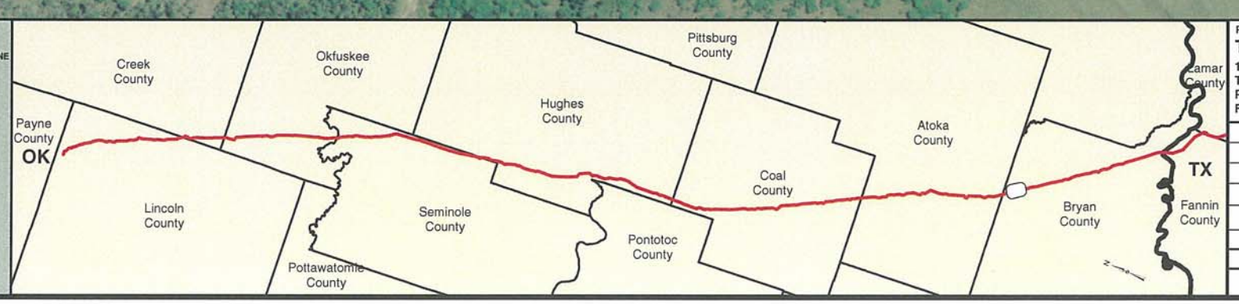

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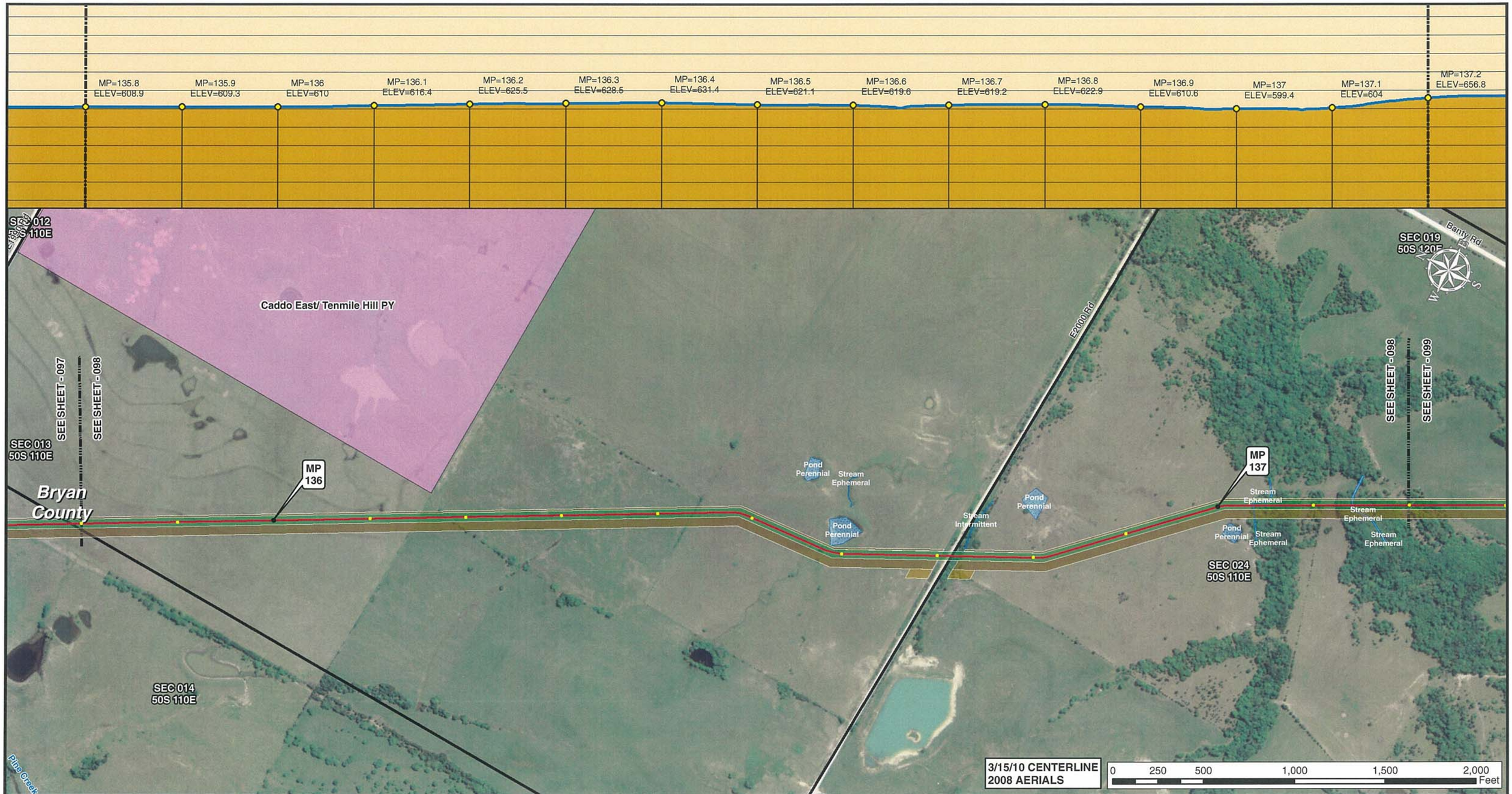

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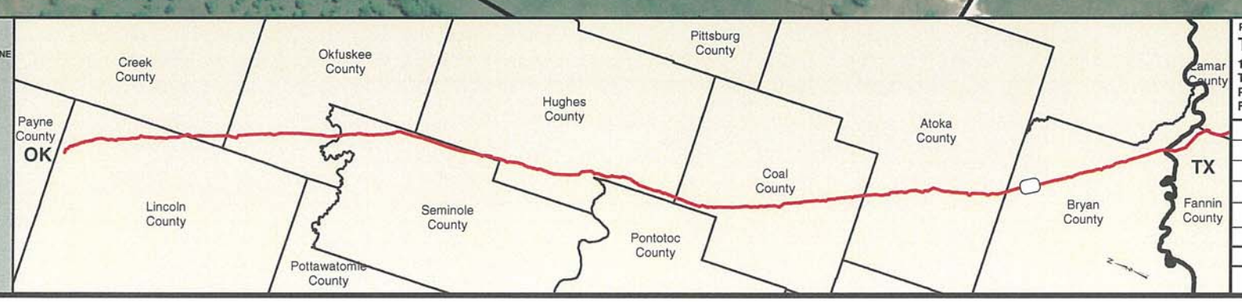

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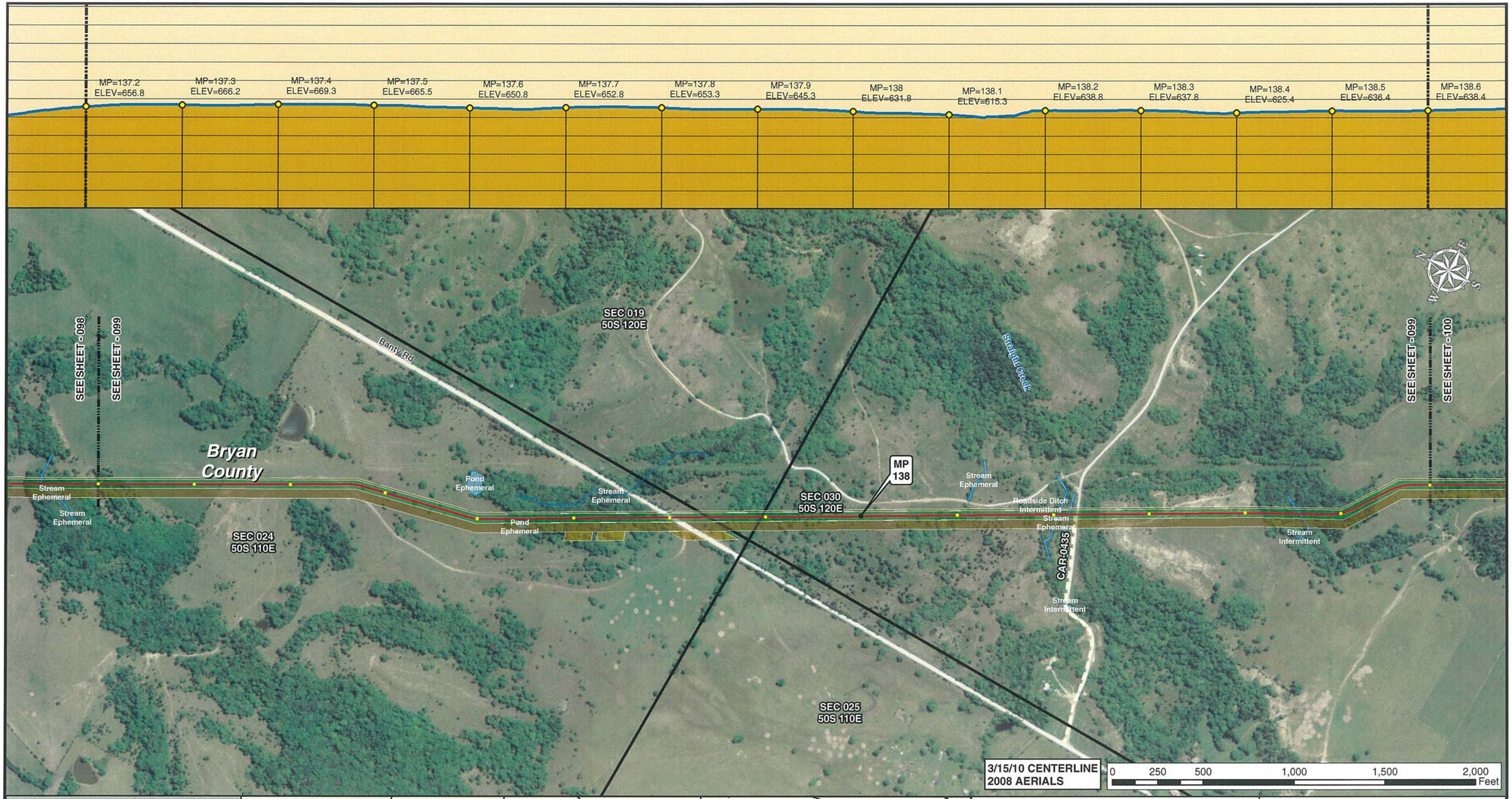

3/15/10 CENTERLINE
2008 AERIALS

0 250 500 1,000 1,500 2,000 Feet

Legend

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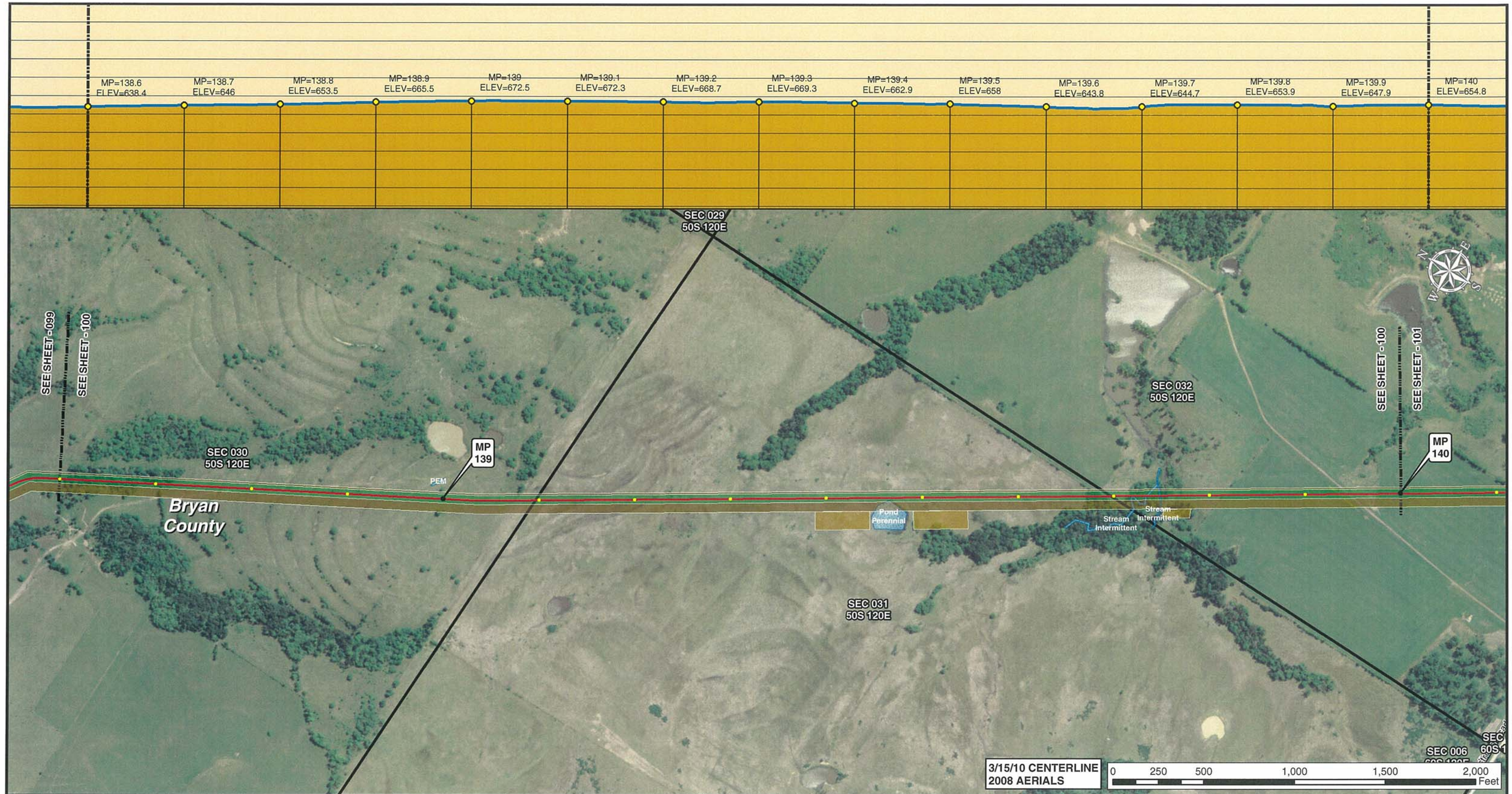

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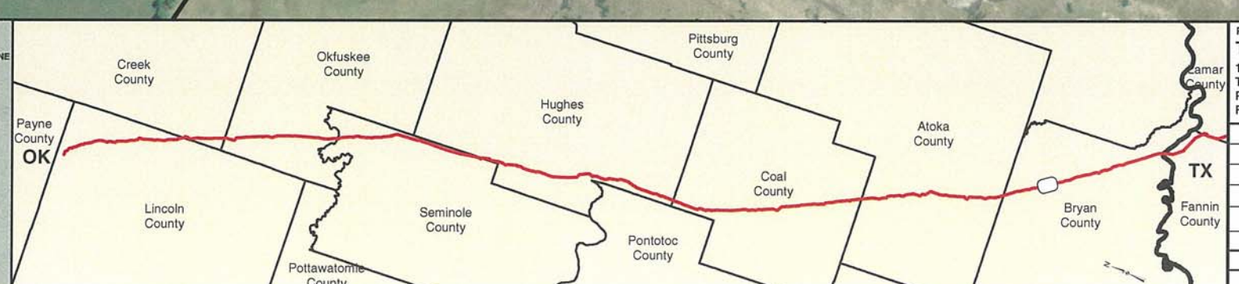

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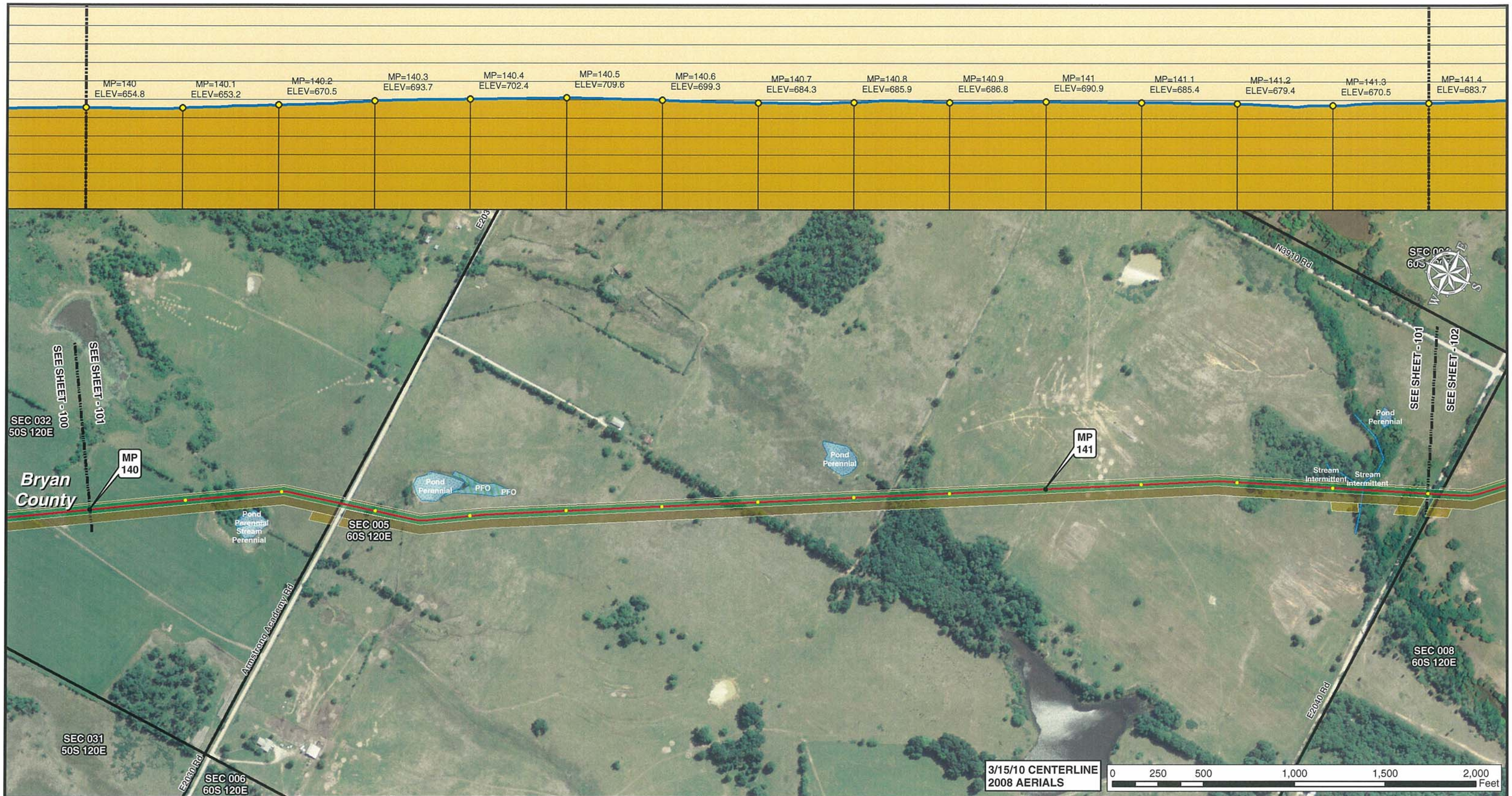

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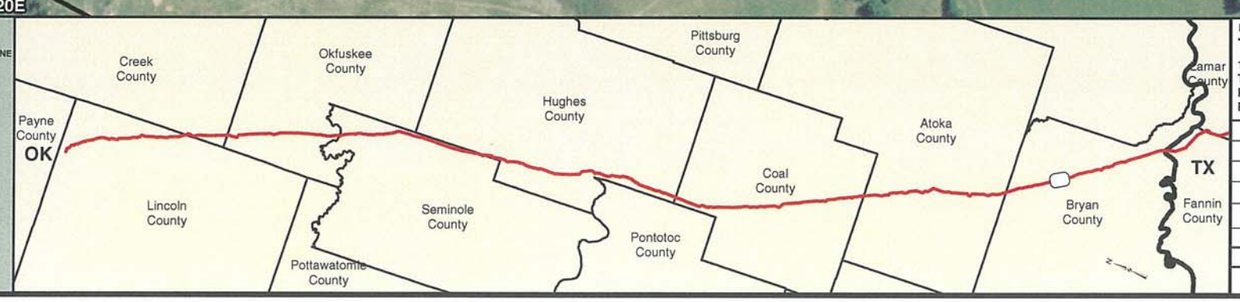

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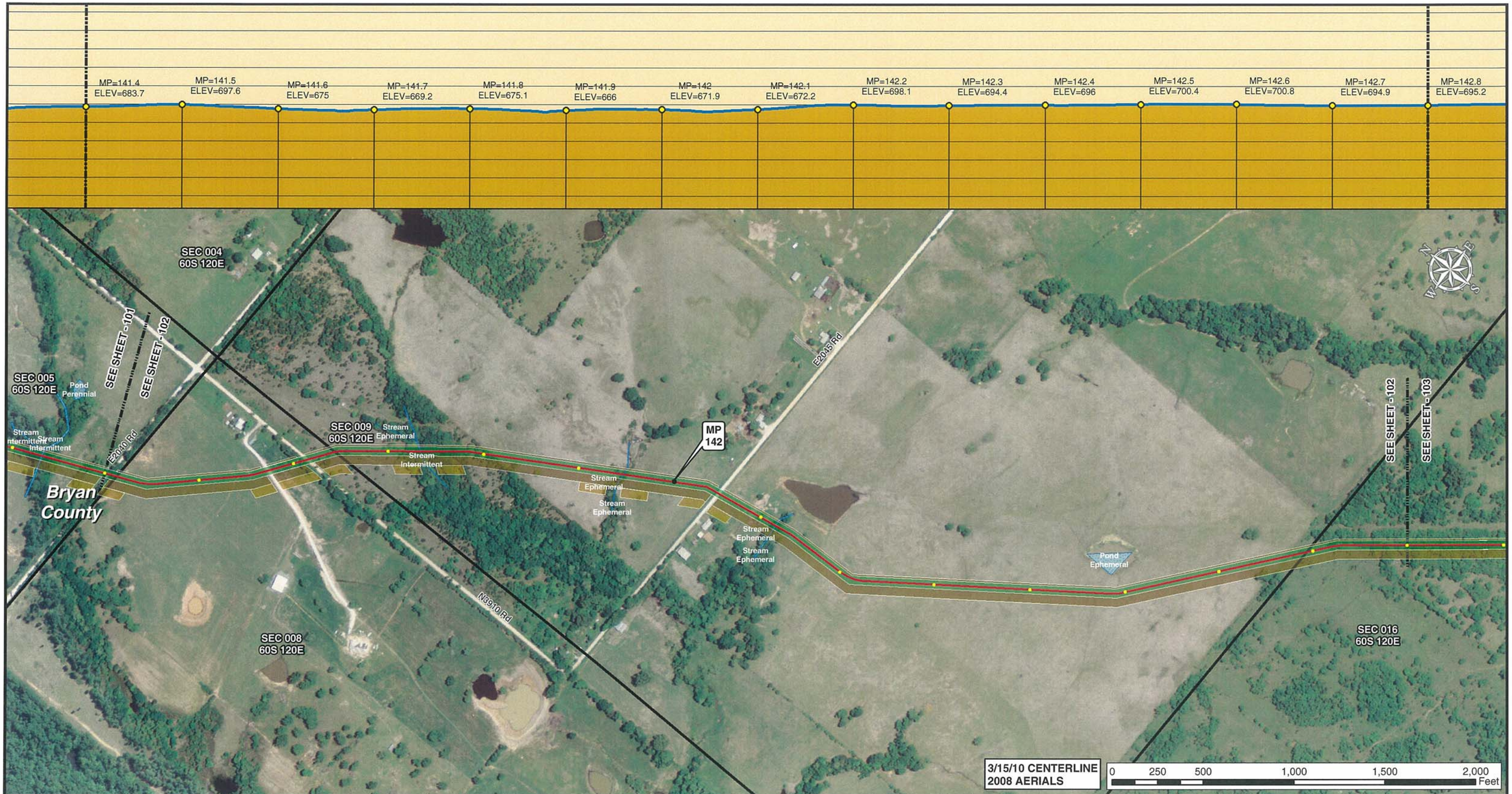

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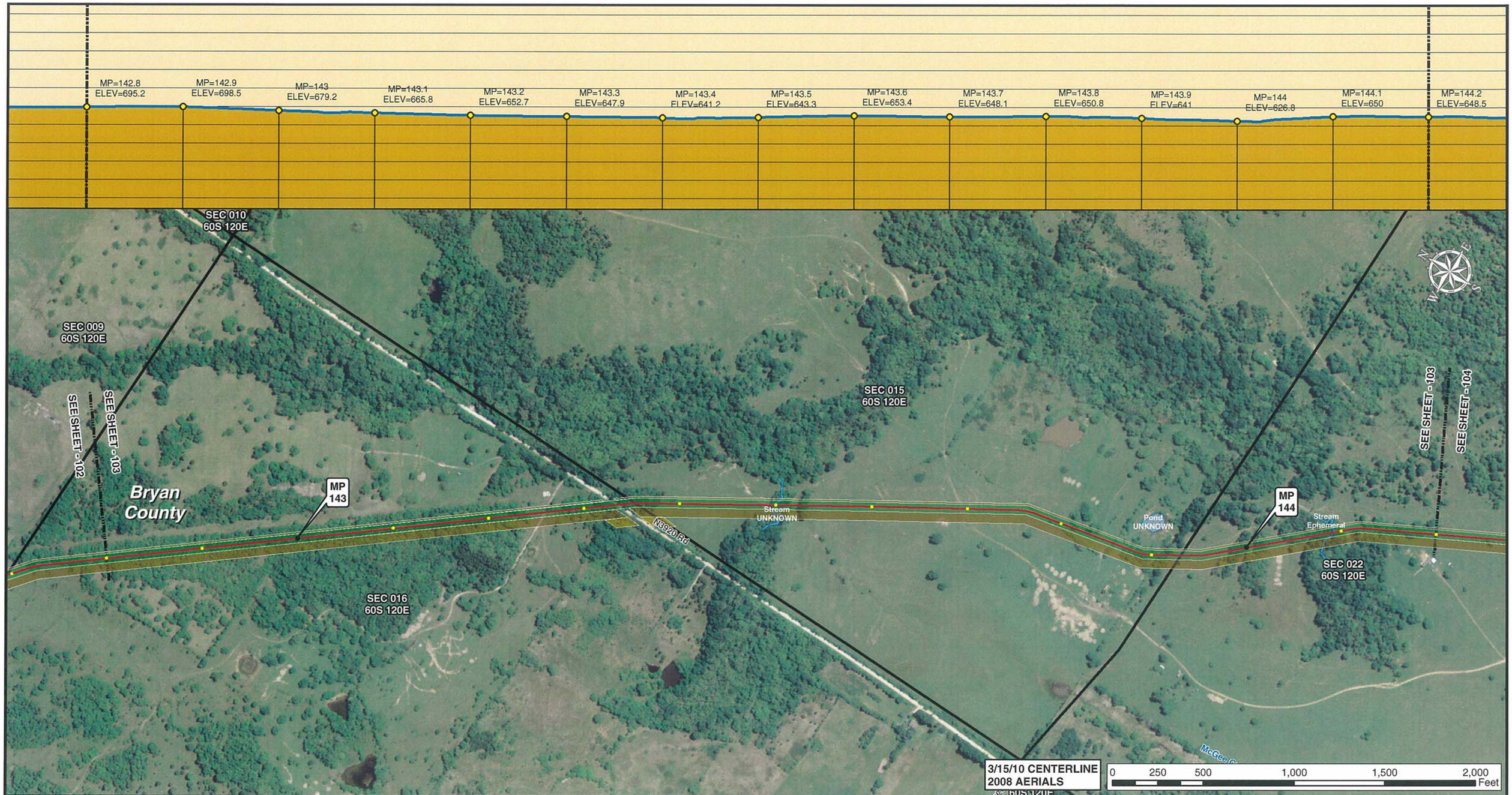
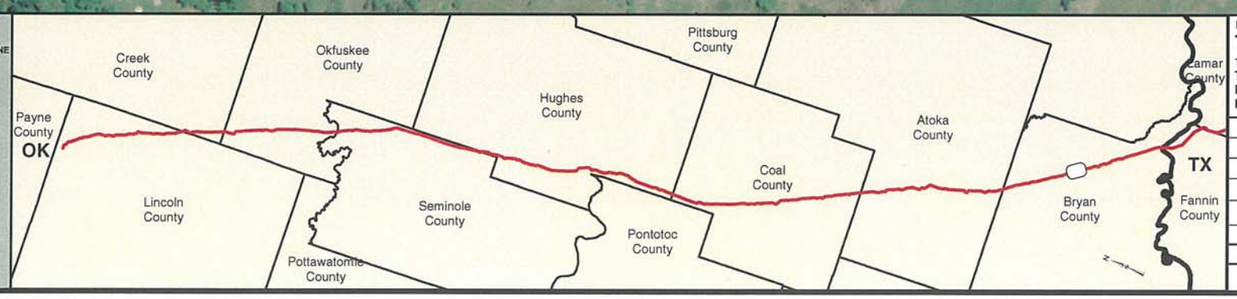
GS	SS	RG	50388X	XL-40-ML-2002-P-102 -A	102	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
- ACCESS ROAD
- TRANSMISSION LINE
- PUMP STATION
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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Trow

NO.	REVISION	DATE
2	ISSUED FOR DEIS COMMENT SUBMITTAL TO U.S. DEPT. OF STATE (3.15.10 CL)	5.19.10
1	ISSUED FOR SUPPLEMENTAL U.S. DEPT. OF STATE FILING (2.19.09 CL)	7.6.09
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

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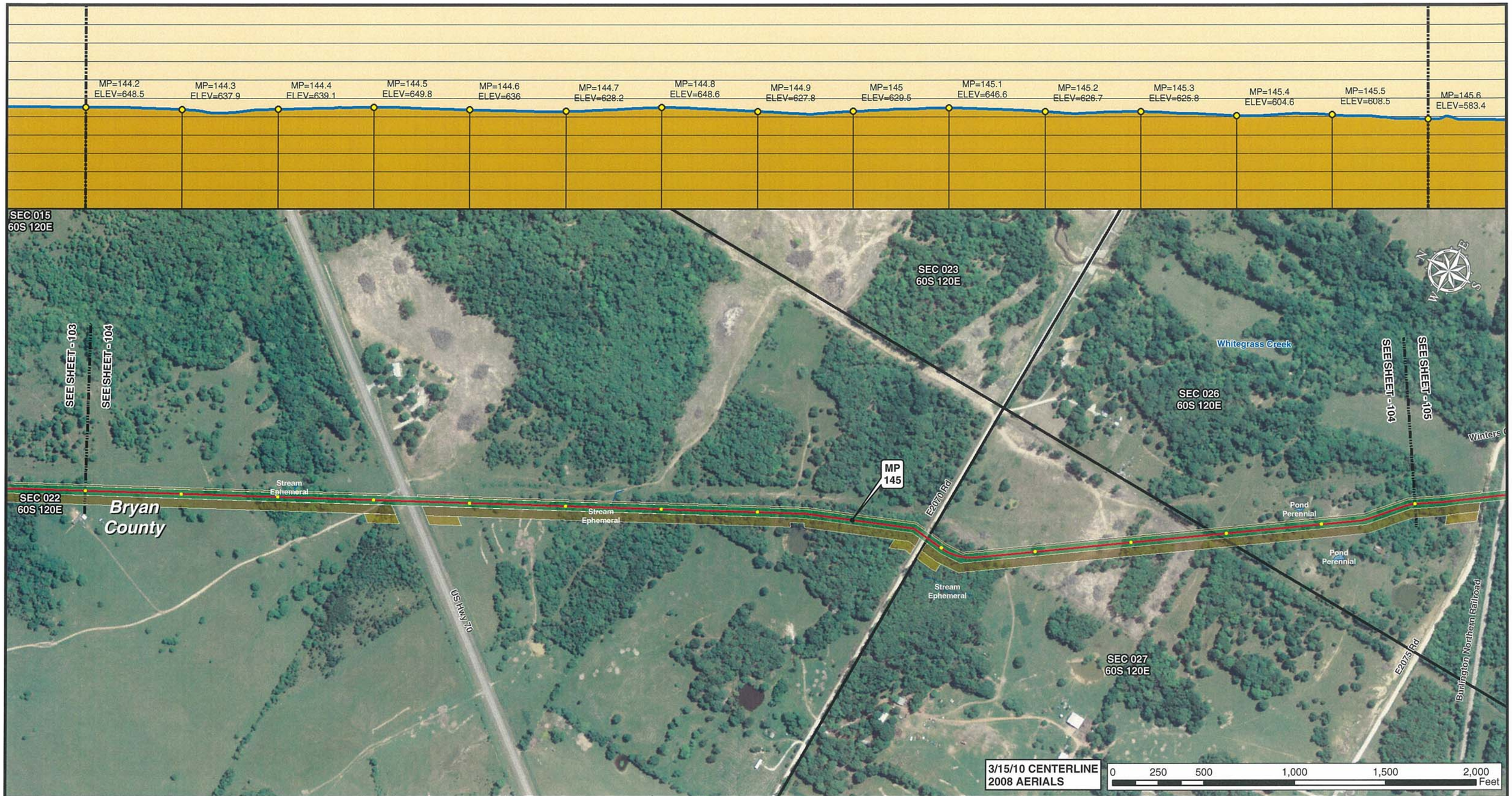
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

BRYAN COUNTY, OKLAHOMA

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-40-ML-2002-P-103 -A	103	2



Legend

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- KEYSTONE XL PROJECT
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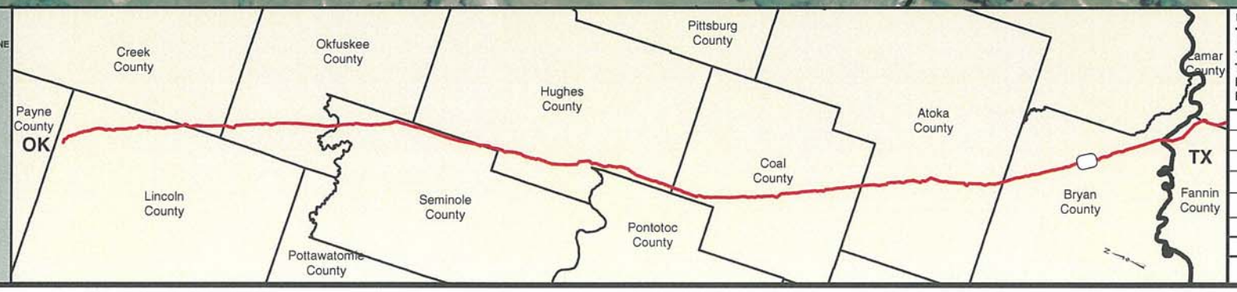

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KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

BRYAN COUNTY, OKLAHOMA

MAP PARAMETERS
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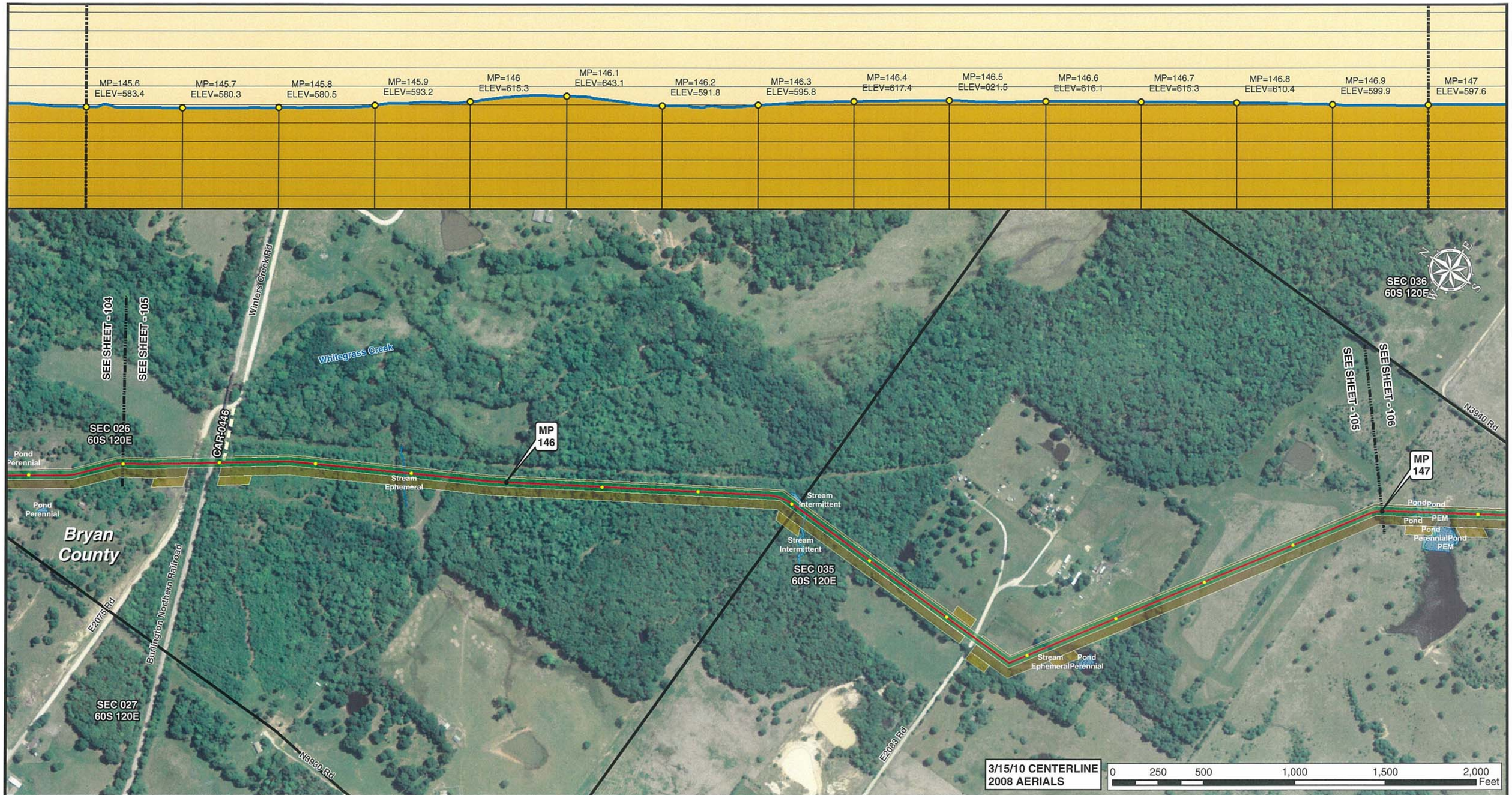
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-40-ML-2002-P-104 -A	104	2



Legend

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- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
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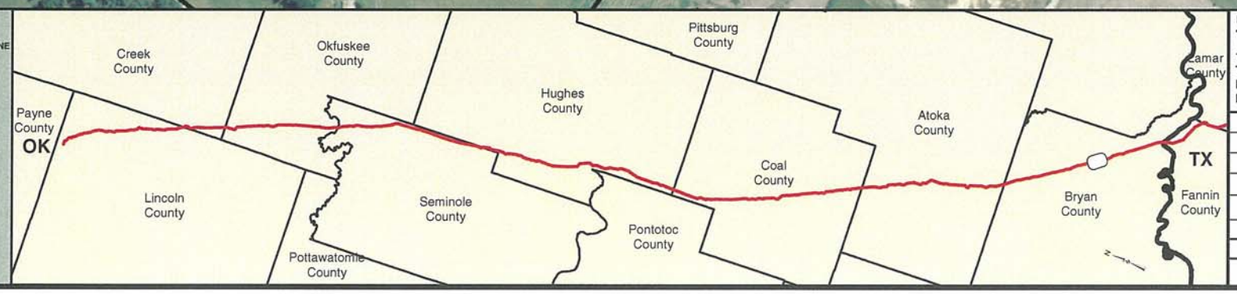
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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BRYAN COUNTY, OKLAHOMA

MAP PARAMETERS
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SCALE: 1:6,000; 1" = 500'

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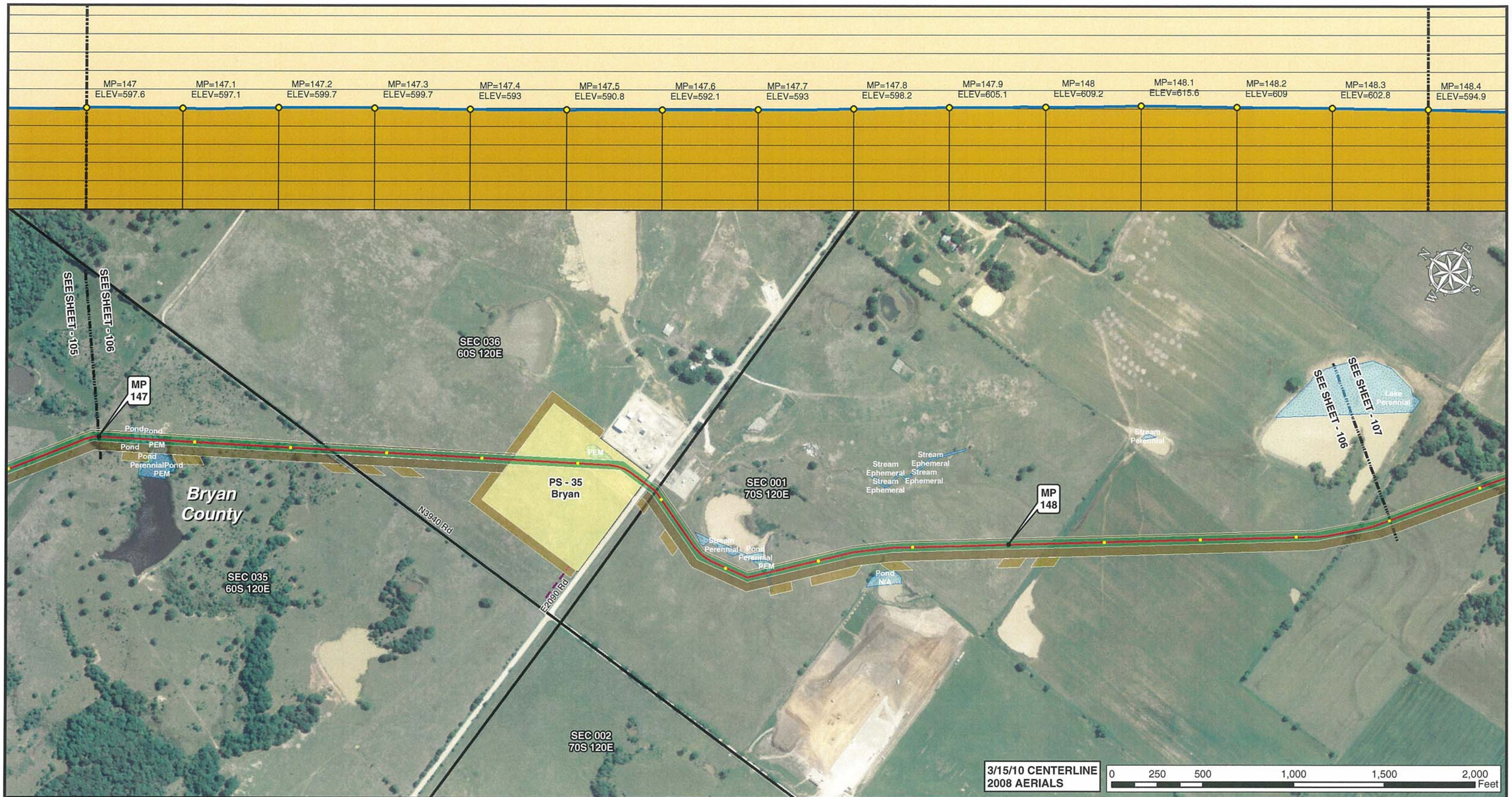
GS	SS	RG	50388X	XL-40-ML-2002-P-105 -A	105	2



Legend

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- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
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- CONTRACTOR YARD
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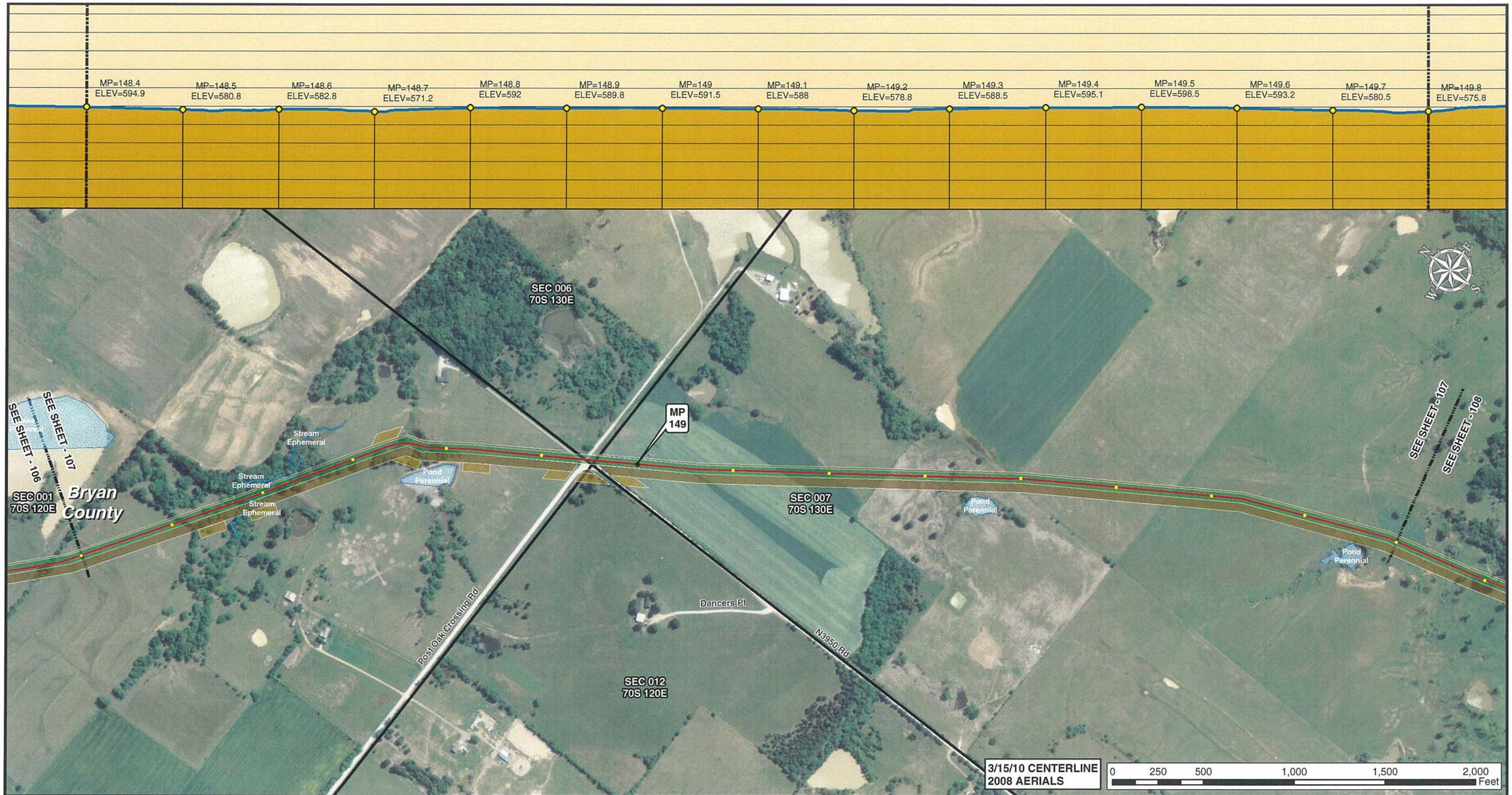
GS	SS	RG	50388X	XL-40-ML-2002-P-106 -A	106	2



Legend

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- VALVE
- KEYSTONE XL PROJECT
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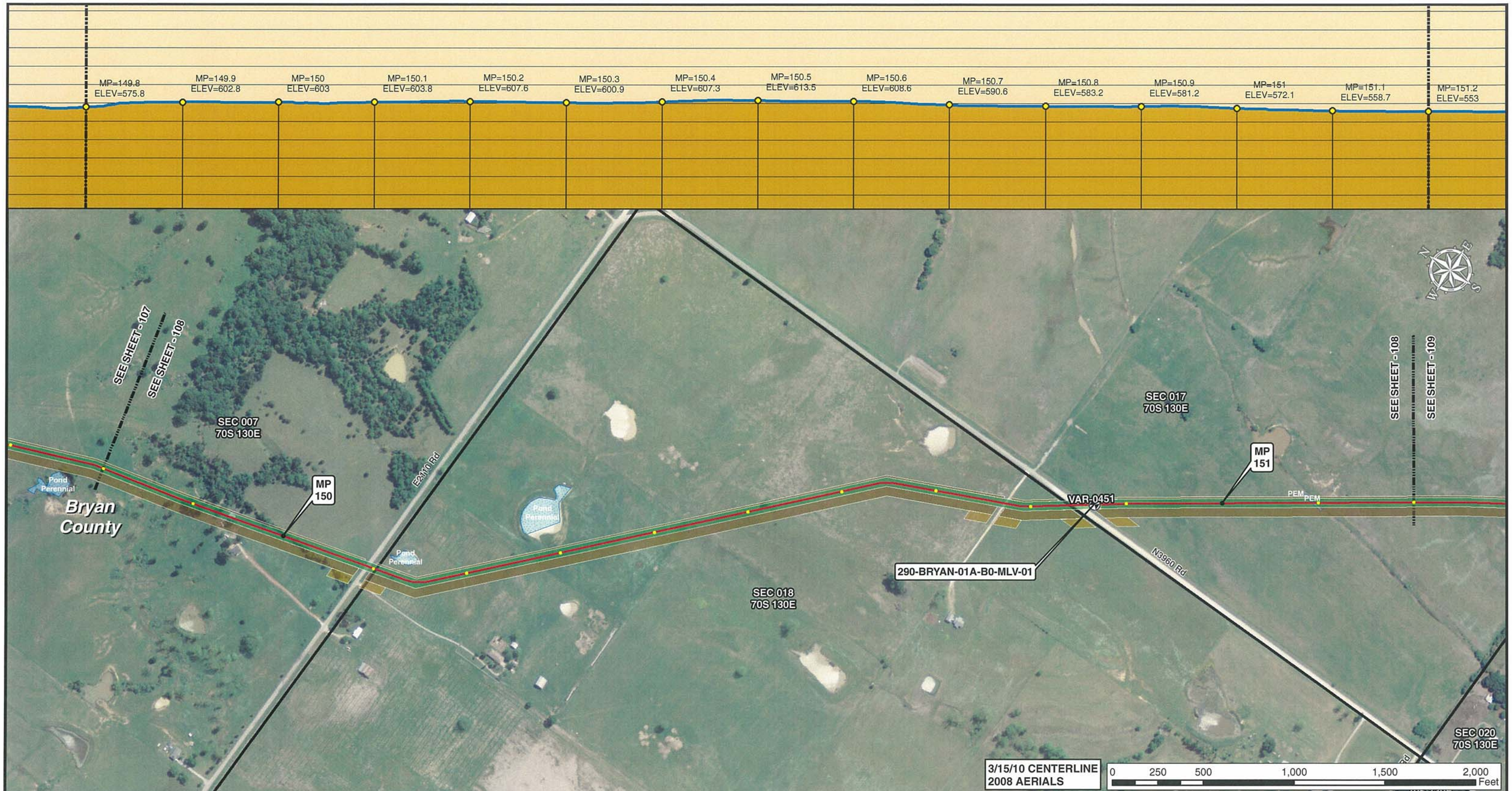
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-40-ML-2002-P-107 -A	107	2



Legend

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- VALVE
- KEYSTONE XL PROJECT
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MAP PARAMETERS
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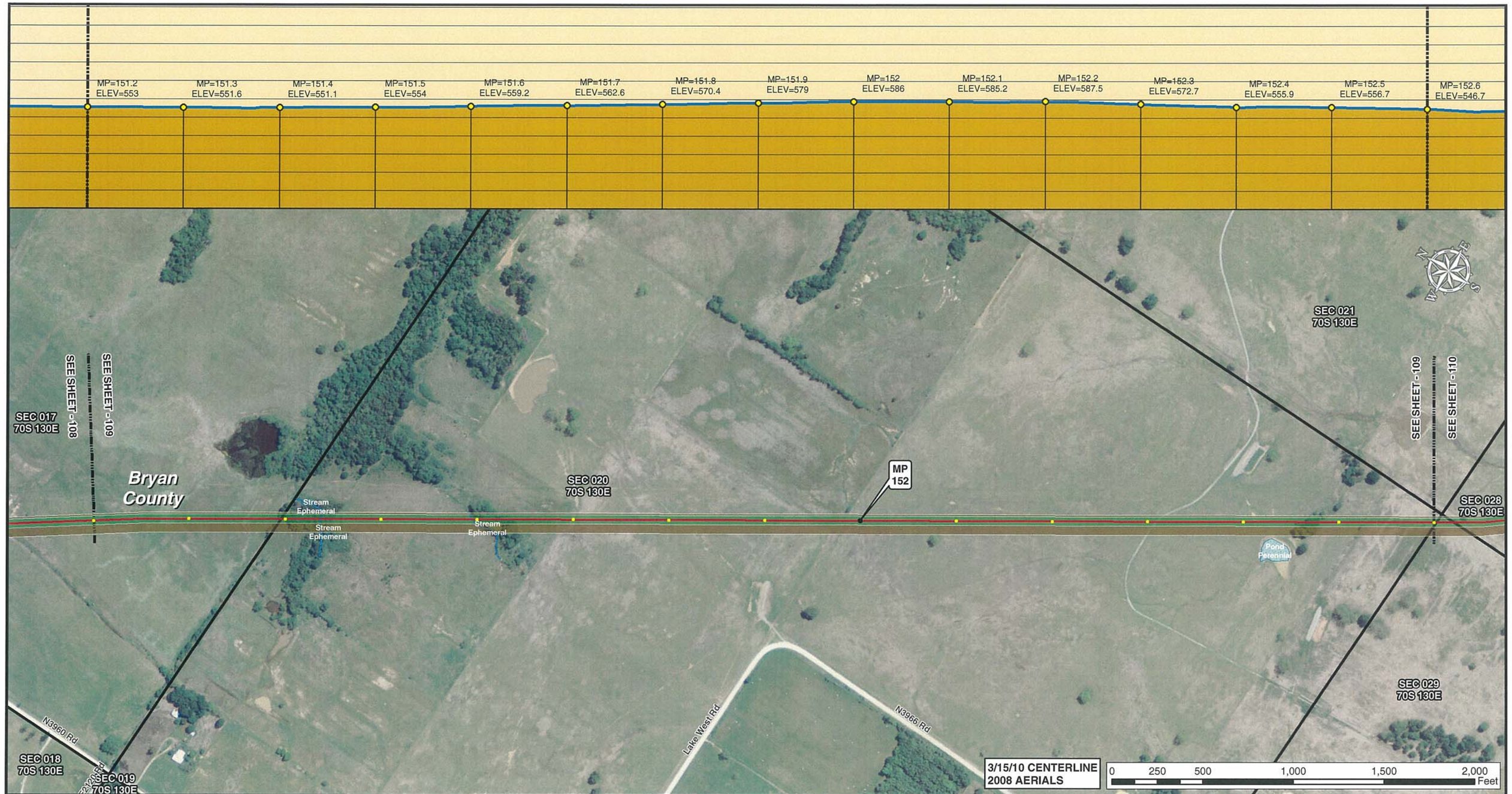
GS	SS	RG	50388X	XL-40-ML-2002-P-108 -A	108	2



Legend

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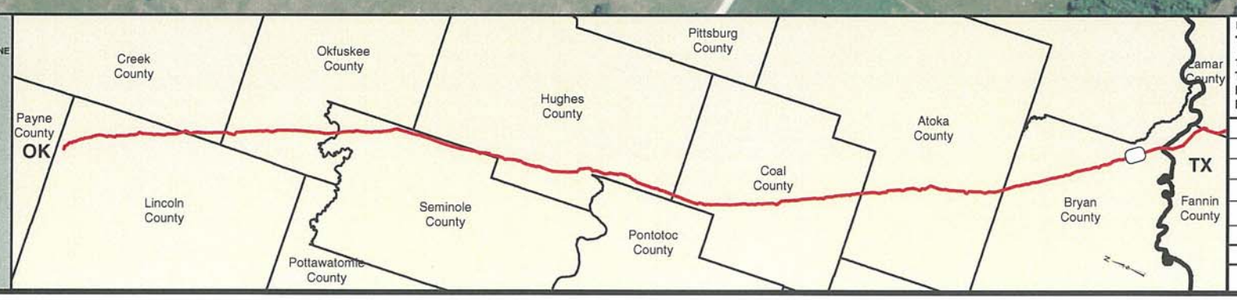

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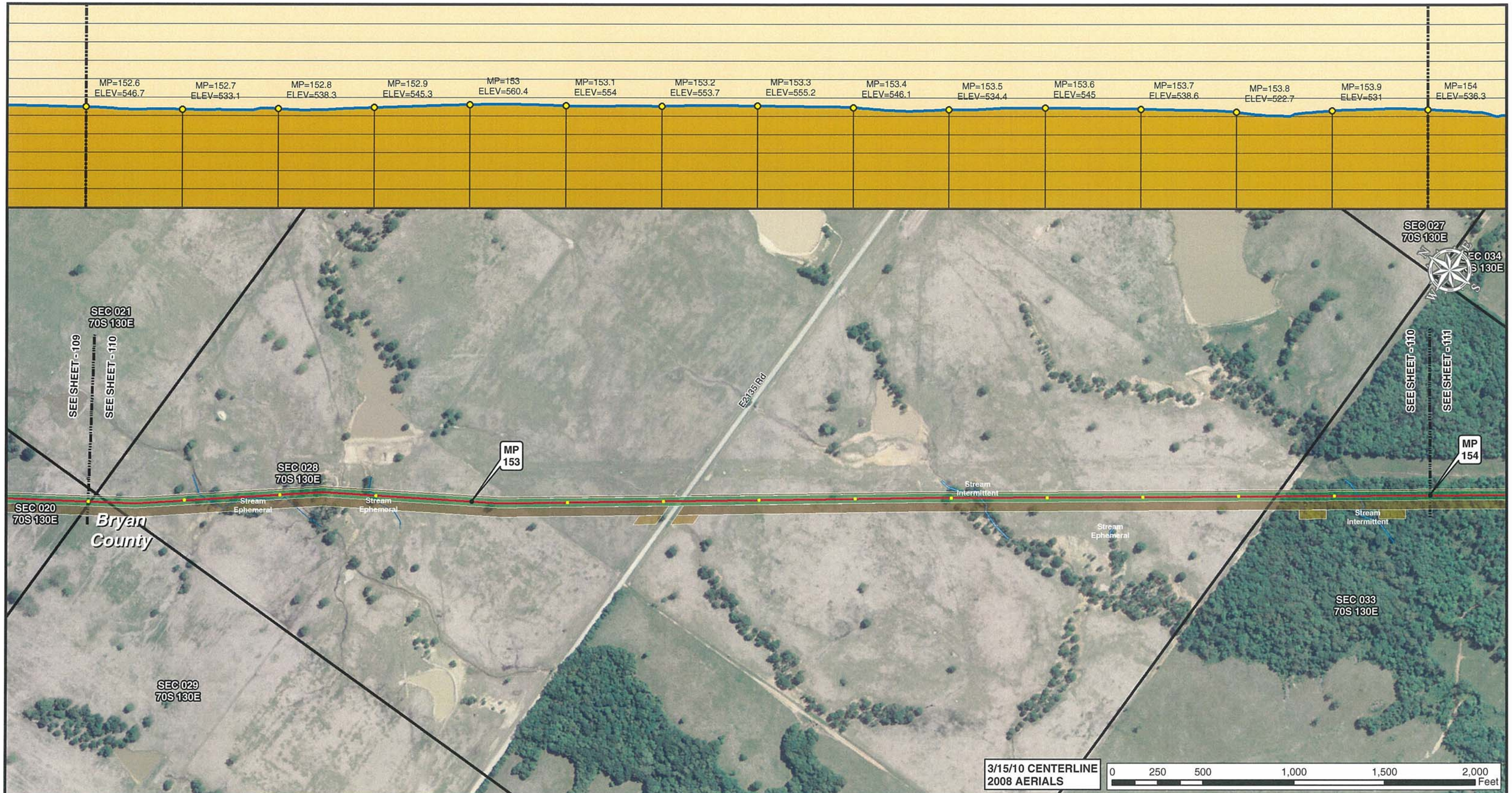
GS	SS	RG	50388X	XL-40-ML-2002-P-109 -A	109	2



Legend

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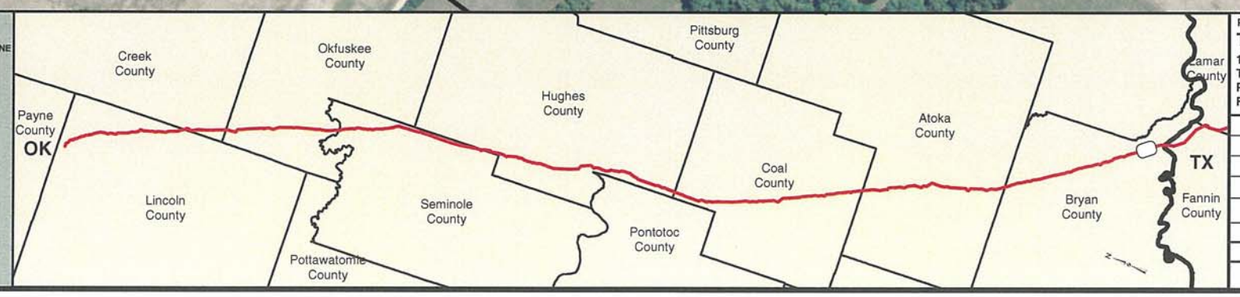

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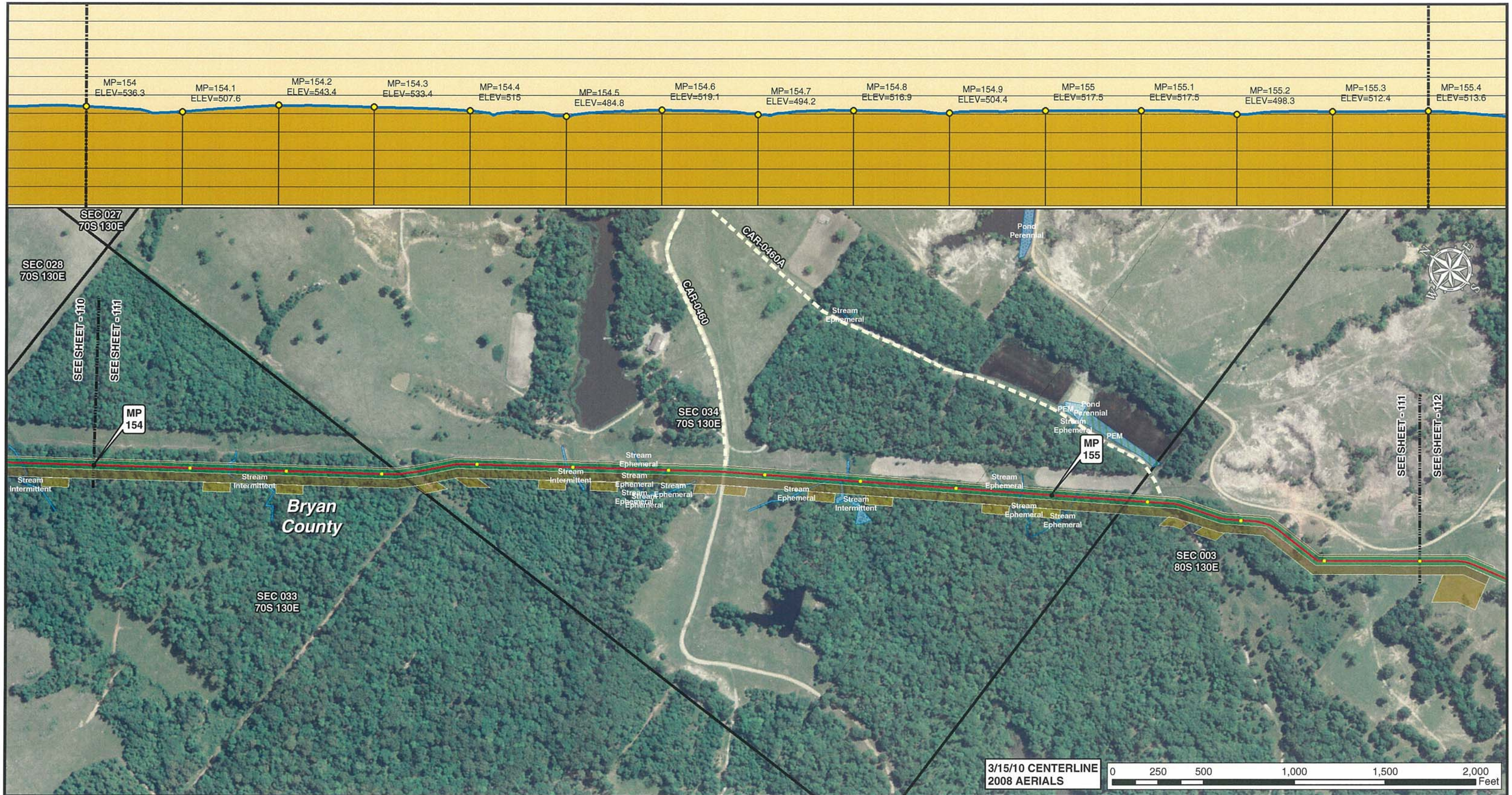
GS	SS	RG	50388X	XL-40-ML-2002-P-110 -A	110	2



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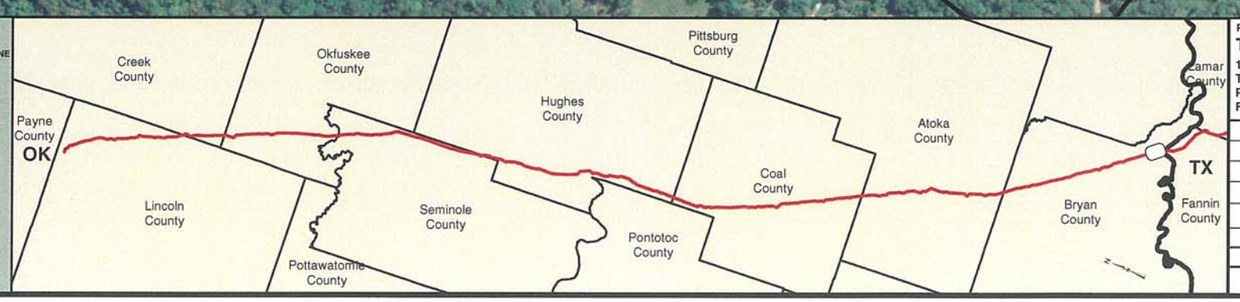

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