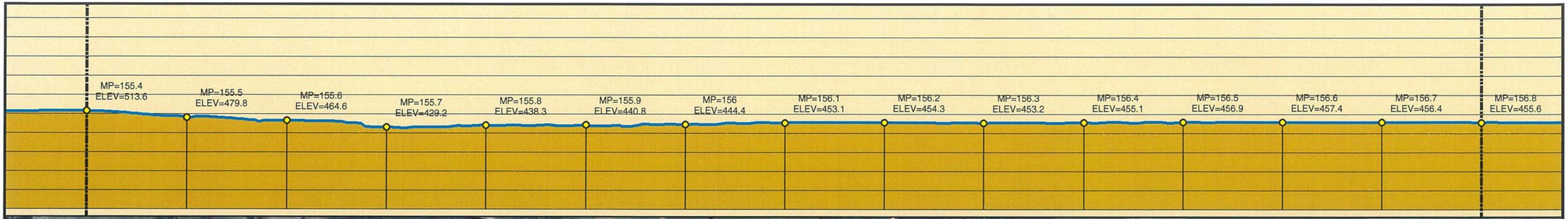
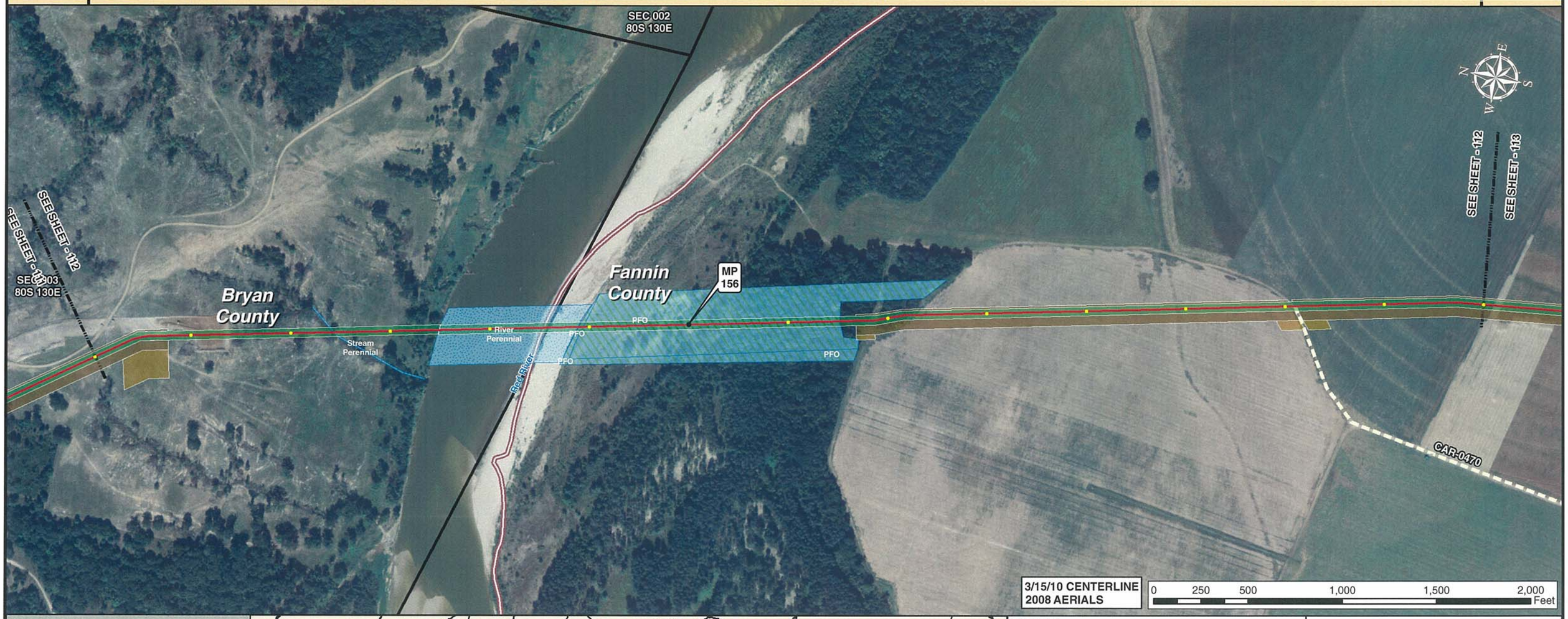
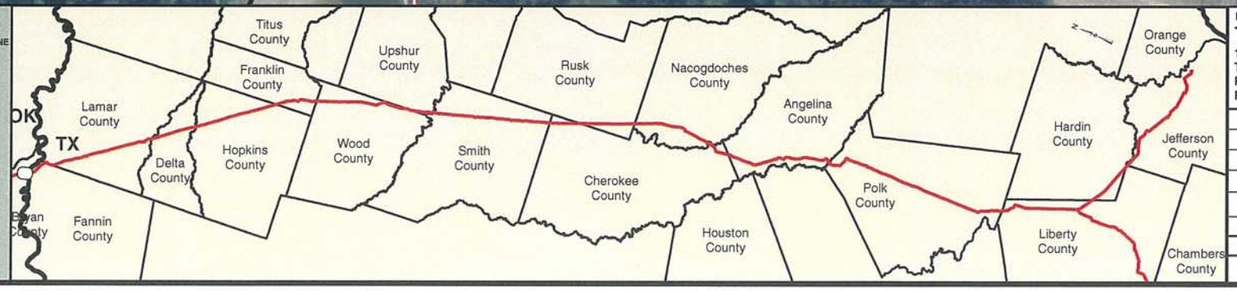




Legend

- 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

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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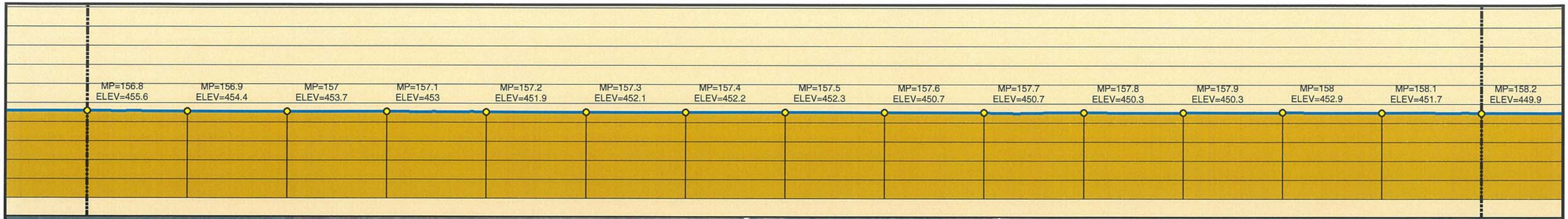
In business to deliver

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

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-48-ML-2002-P-112 -A	112	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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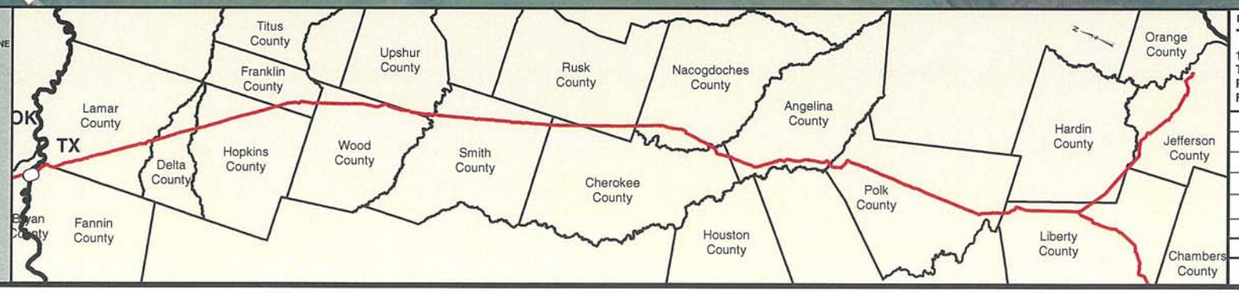
- COUNTY LINE
- SECTION LINE



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ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

FANNIN COUNTY, TEXAS

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

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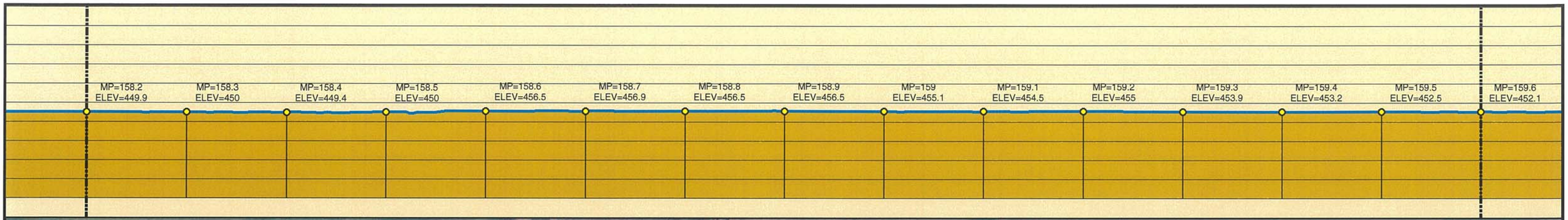
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-113 -A	113	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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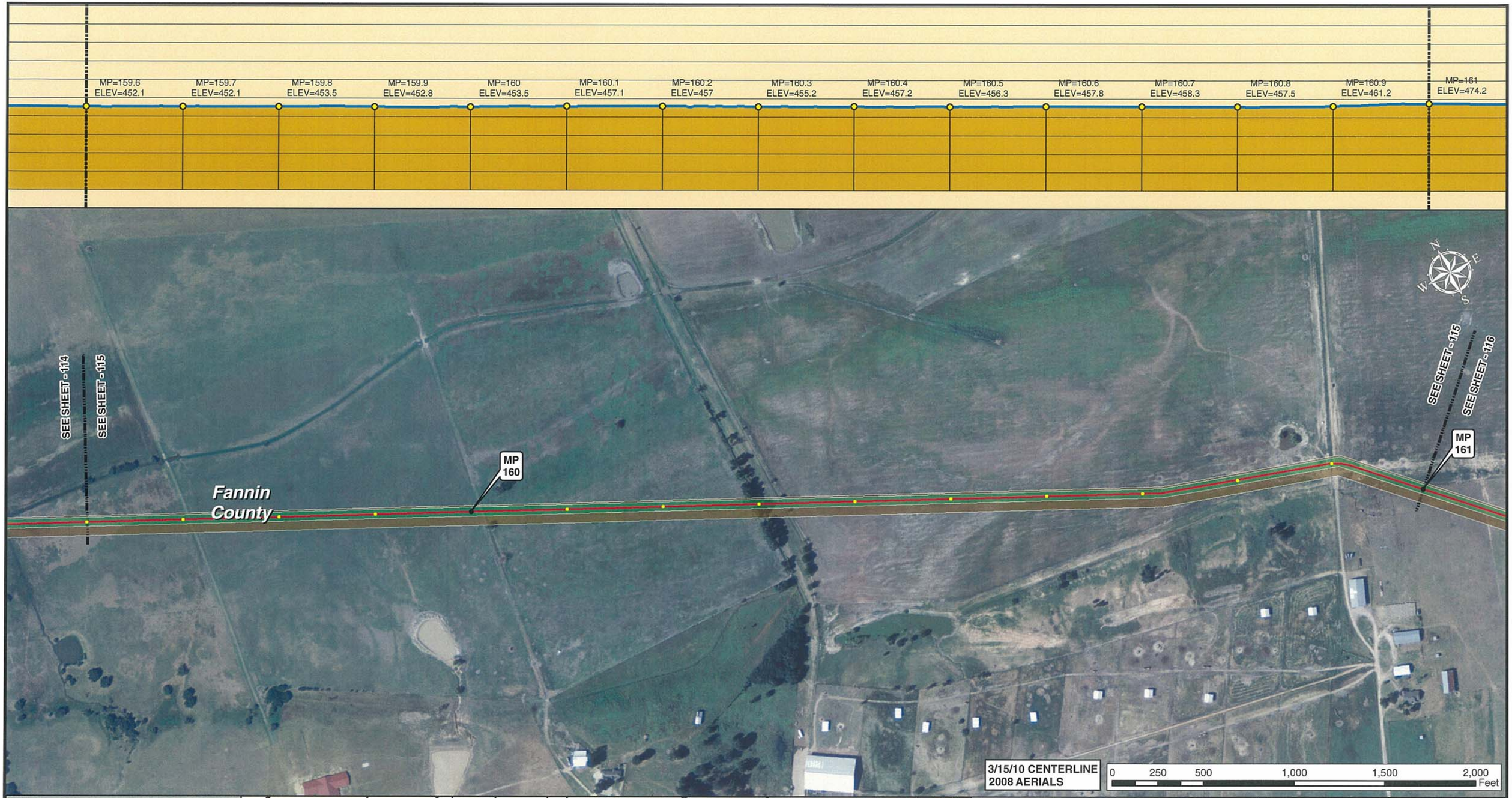
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

FANNIN COUNTY, TEXAS

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-48-ML-2002-P-114 -A	114	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
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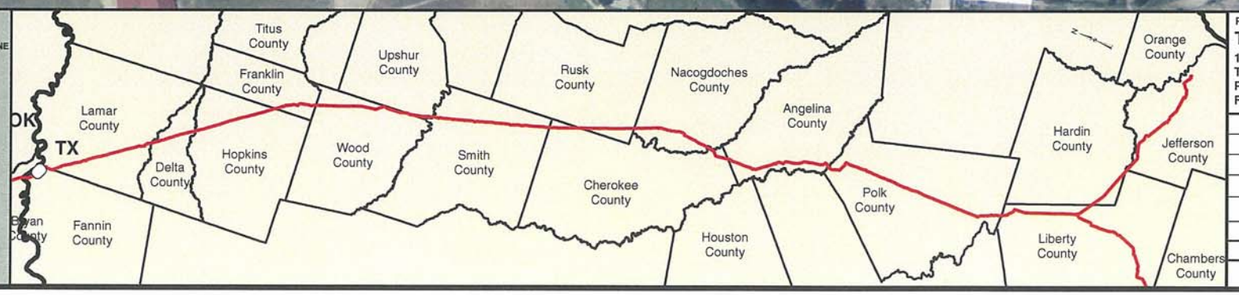
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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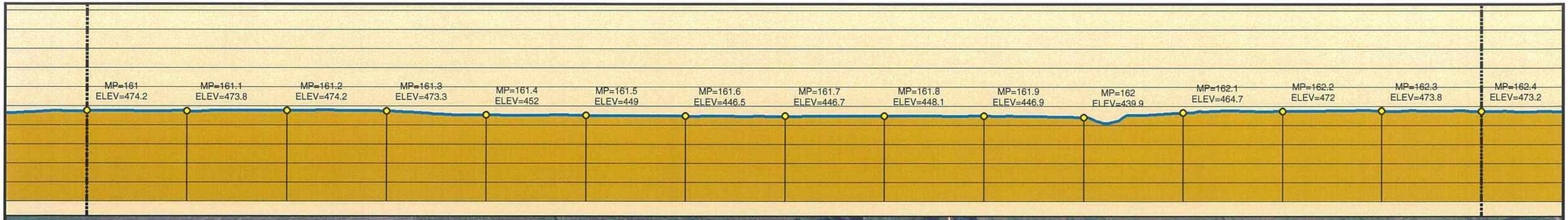
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

FANNIN COUNTY, TEXAS

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-48-ML-2002-P-115 -A	115	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
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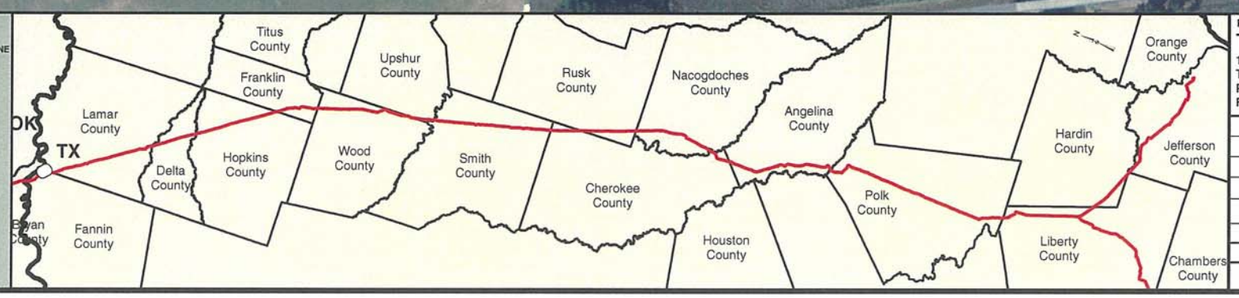
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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

FANNIN COUNTY, TEXAS

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

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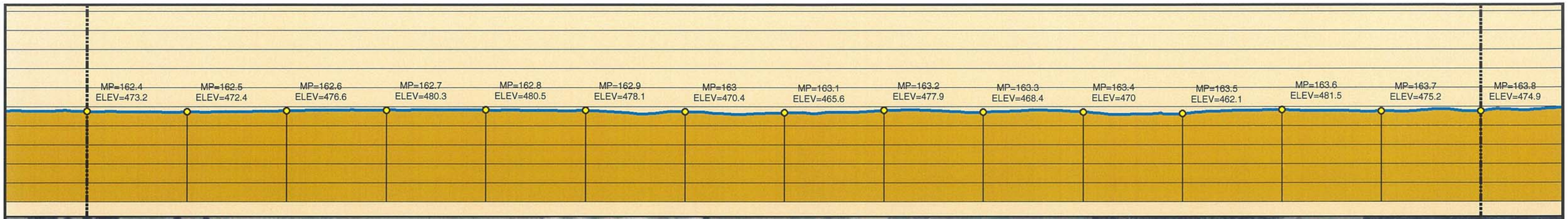
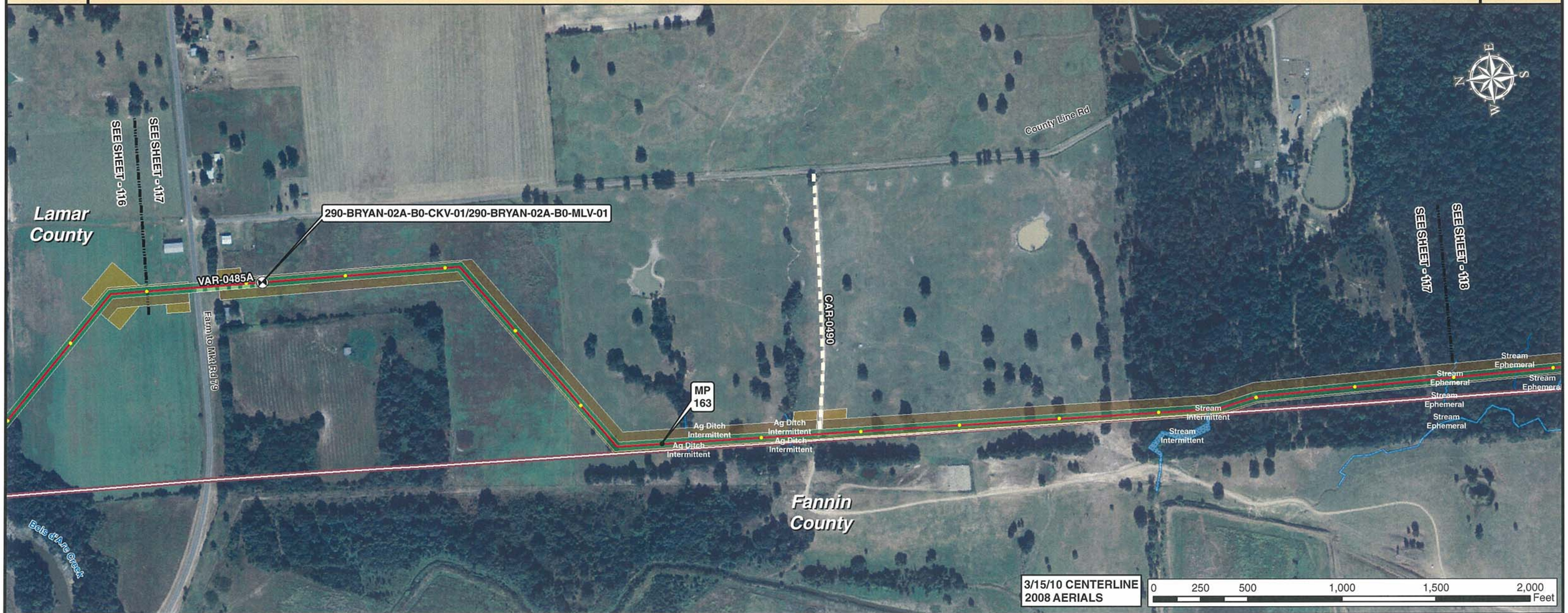
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-116 -A	116	2





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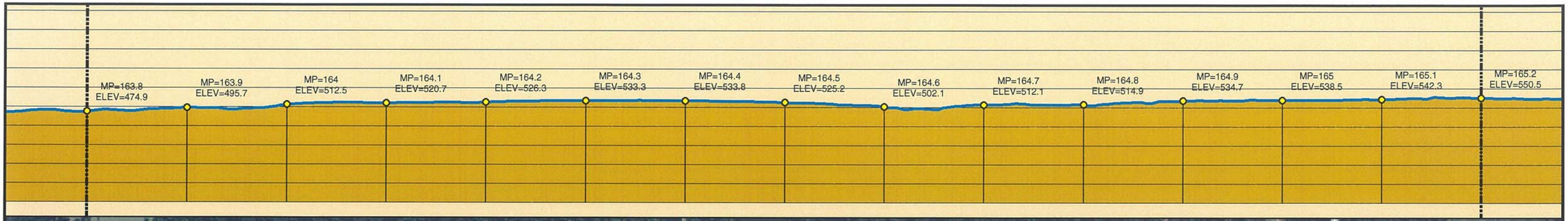
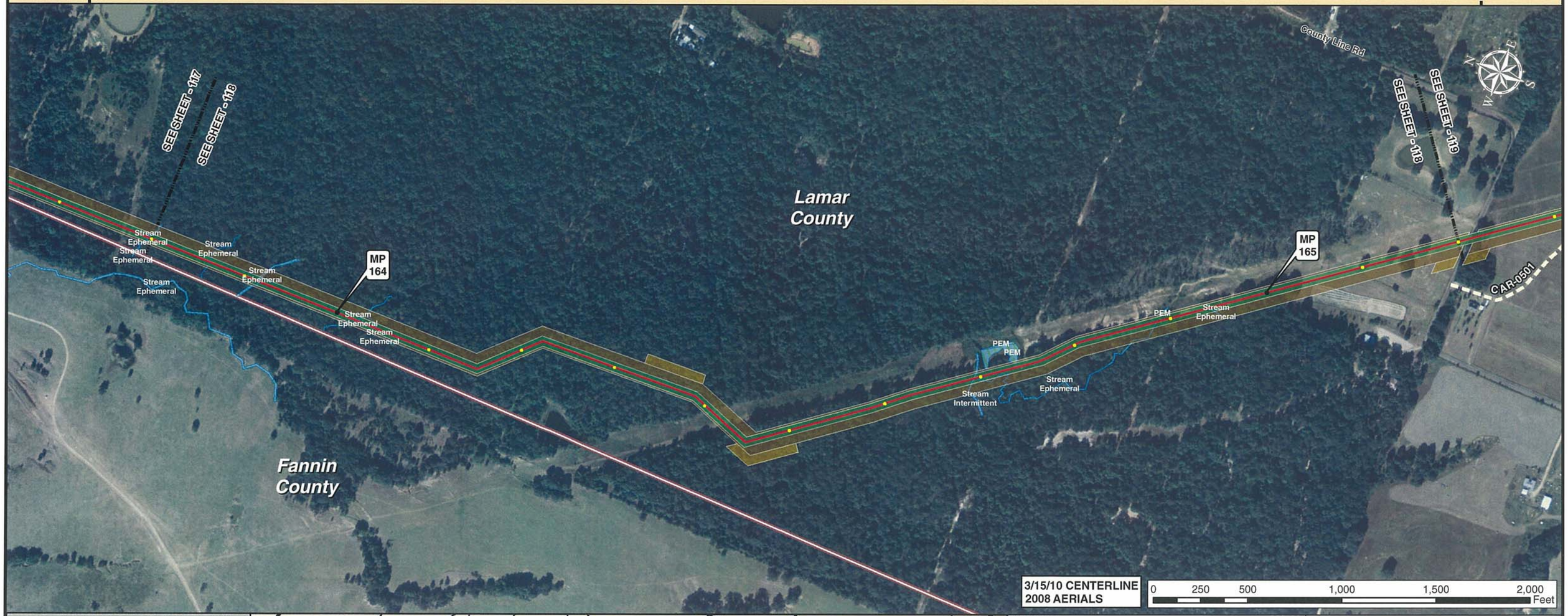
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LAMAR COUNTY, TEXAS

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-48-ML-2002-P-117 -A	117	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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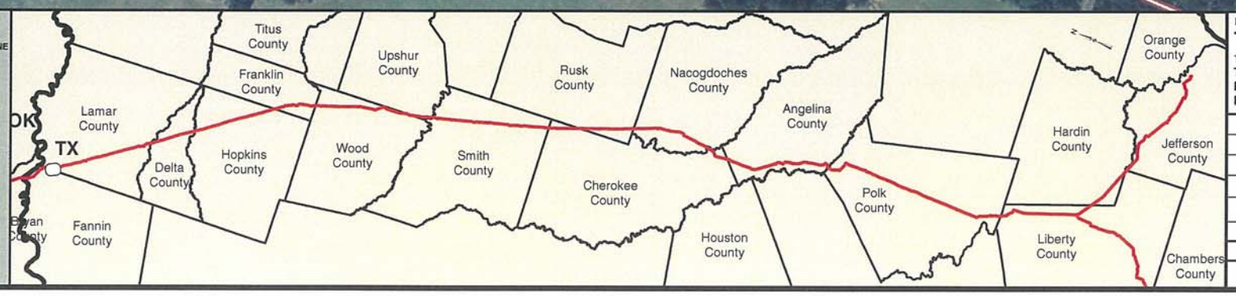
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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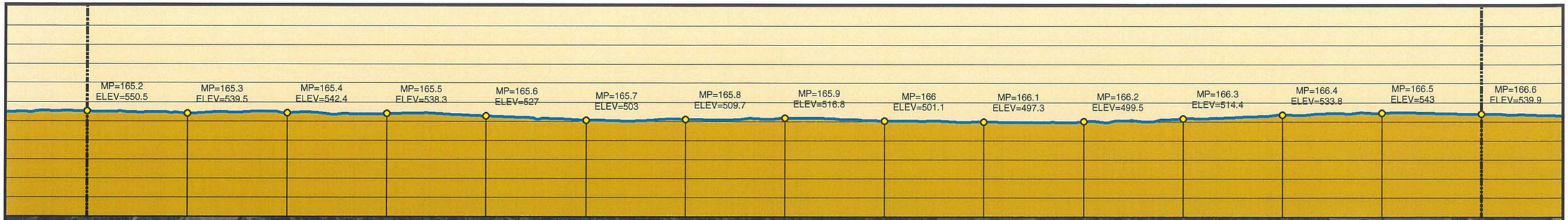
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

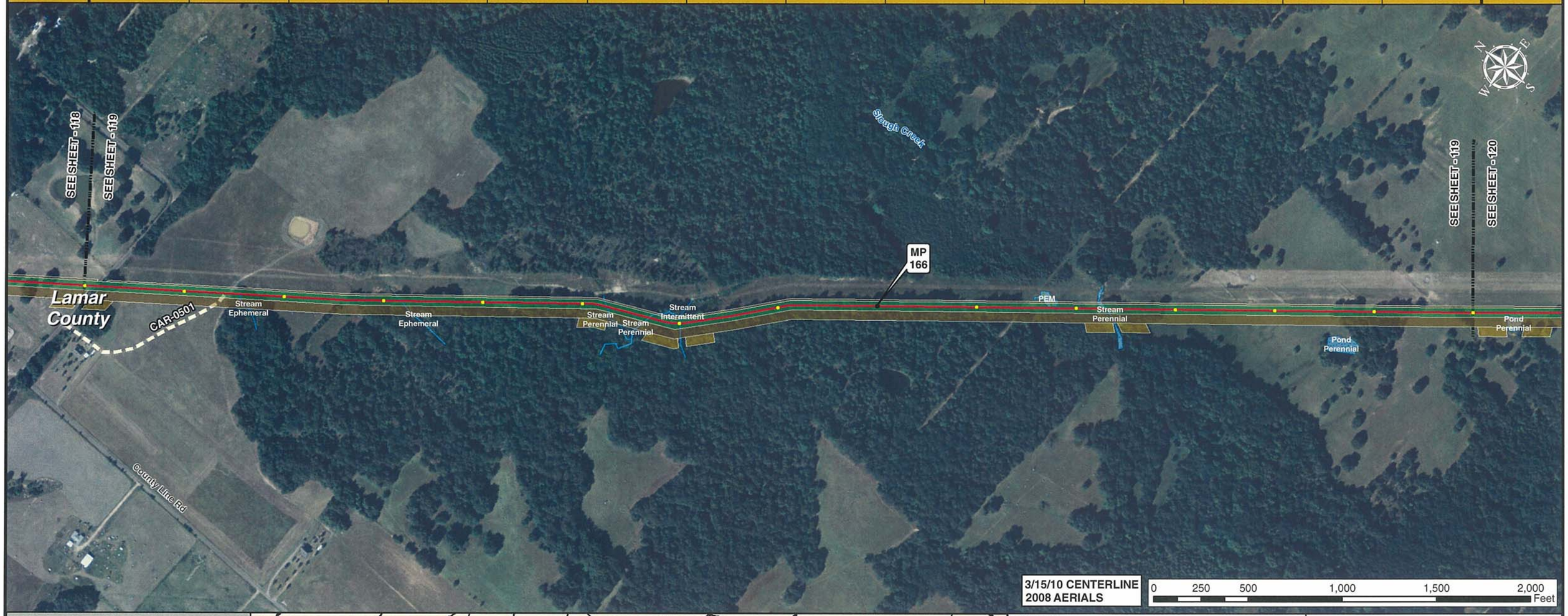
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LAMAR COUNTY, TEXAS

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-48-ML-2002-P-118 -A	118	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
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- KEYSTONE XL PROJECT
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KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LAMAR COUNTY, TEXAS

MAP PARAMETERS
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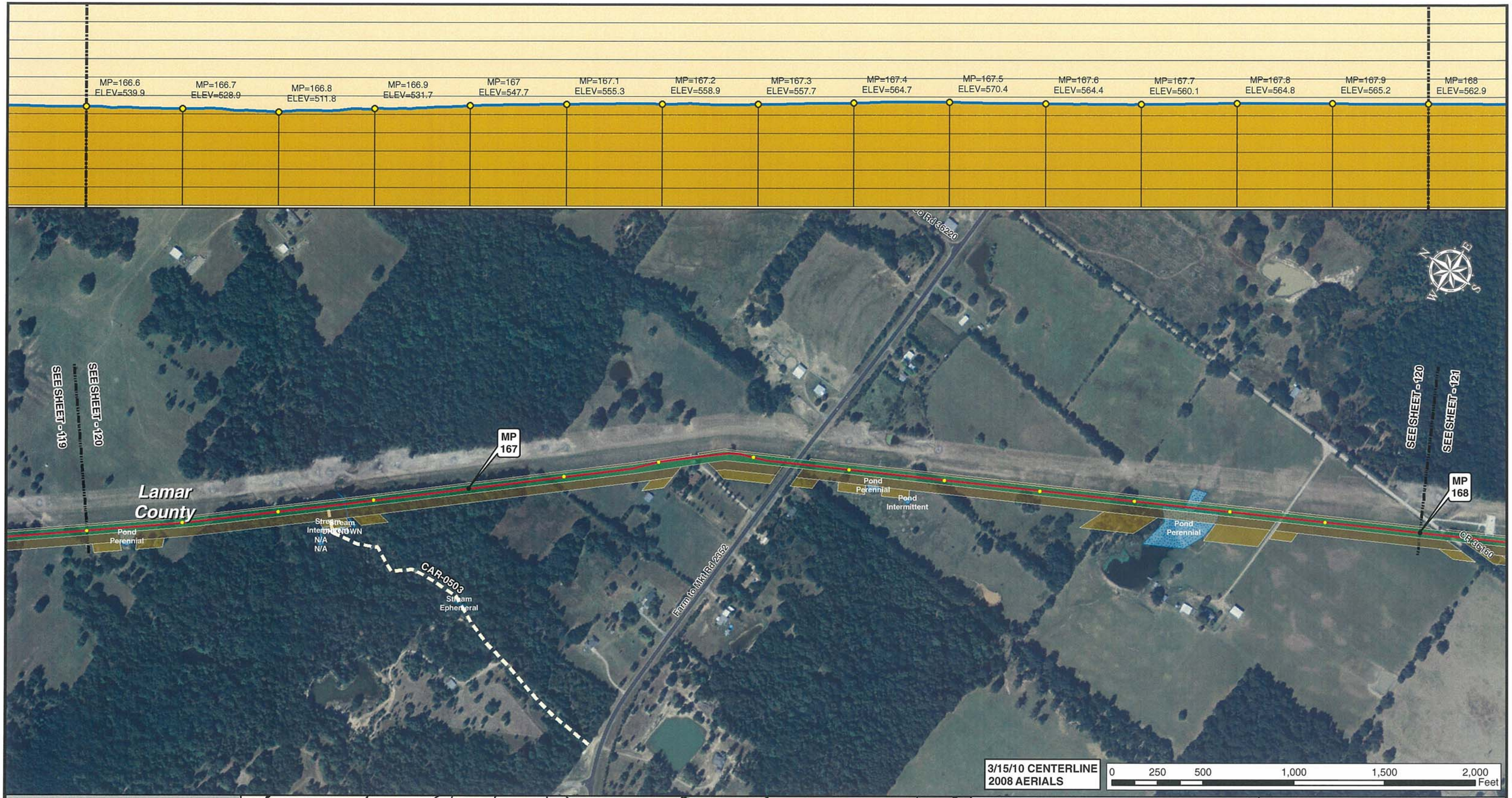
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-119 -A	119	2



Legend

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

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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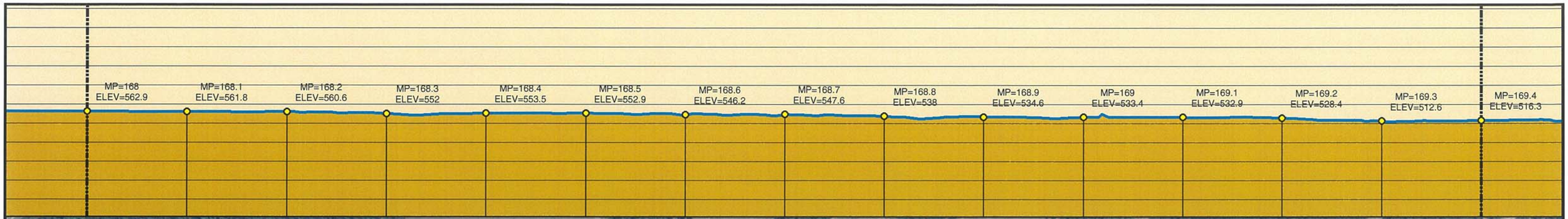

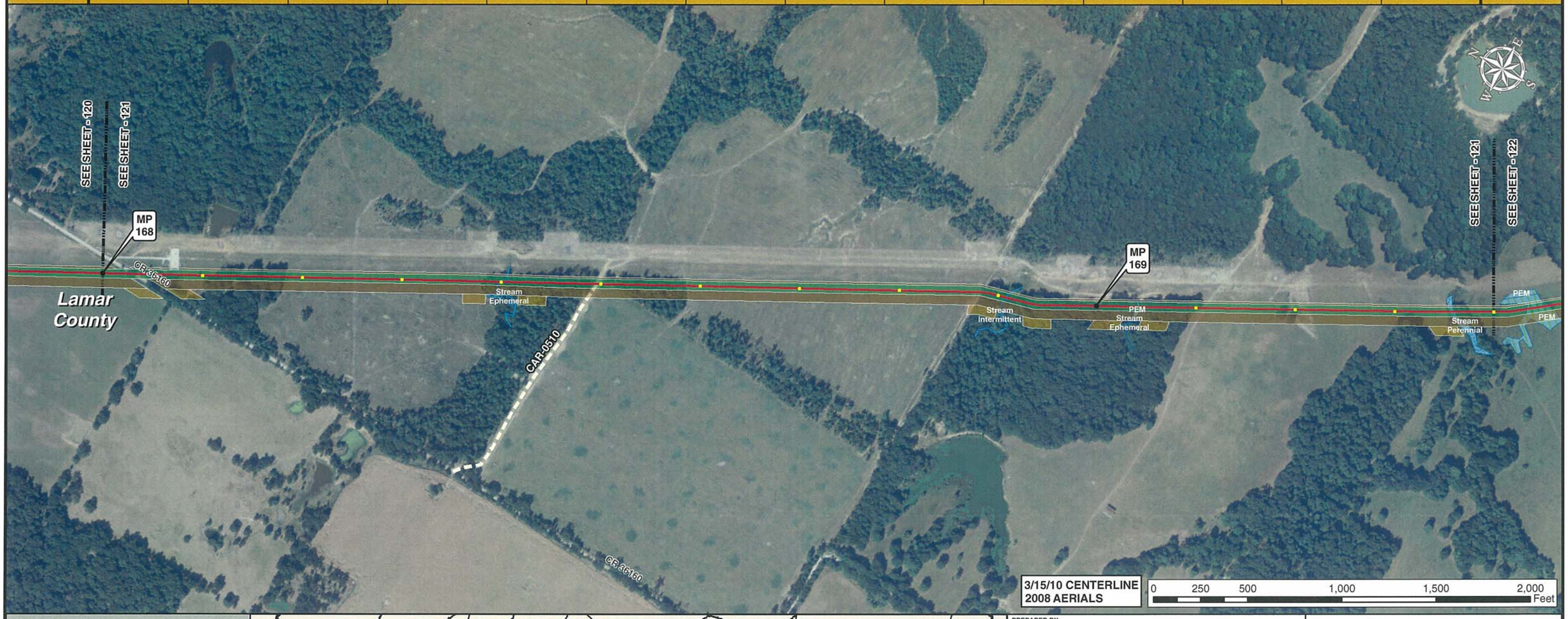

Legend

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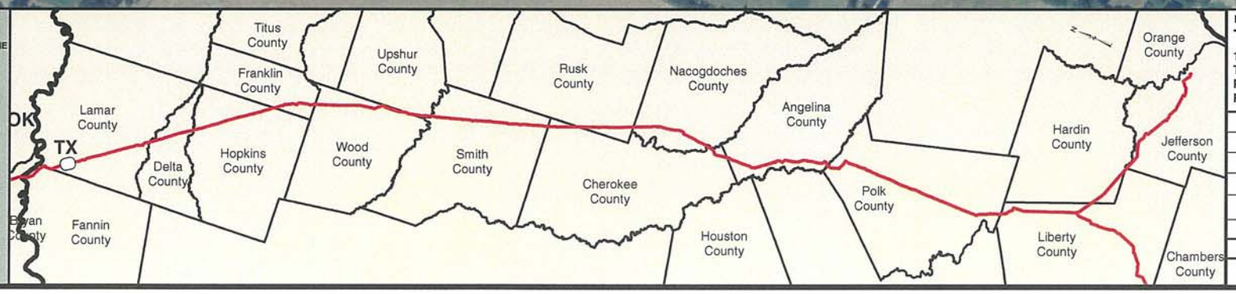

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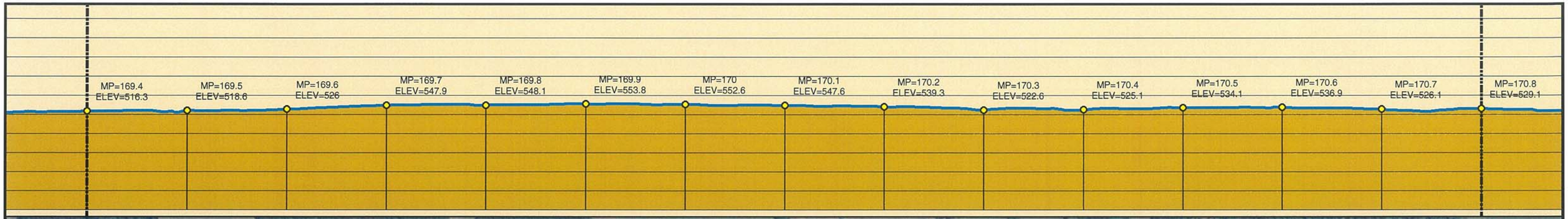
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LAMAR COUNTY, TEXAS

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-48-ML-2002-P-121 -A	121	2



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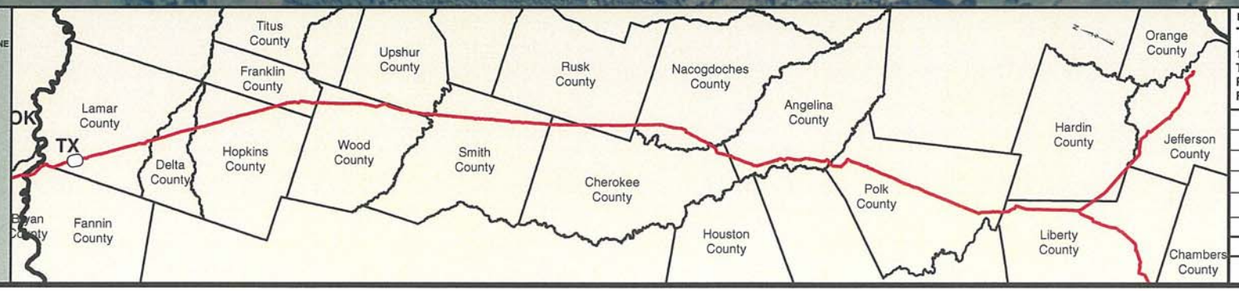
- COUNTY LINE
- SECTION LINE



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Fax: 1-850-385-5523
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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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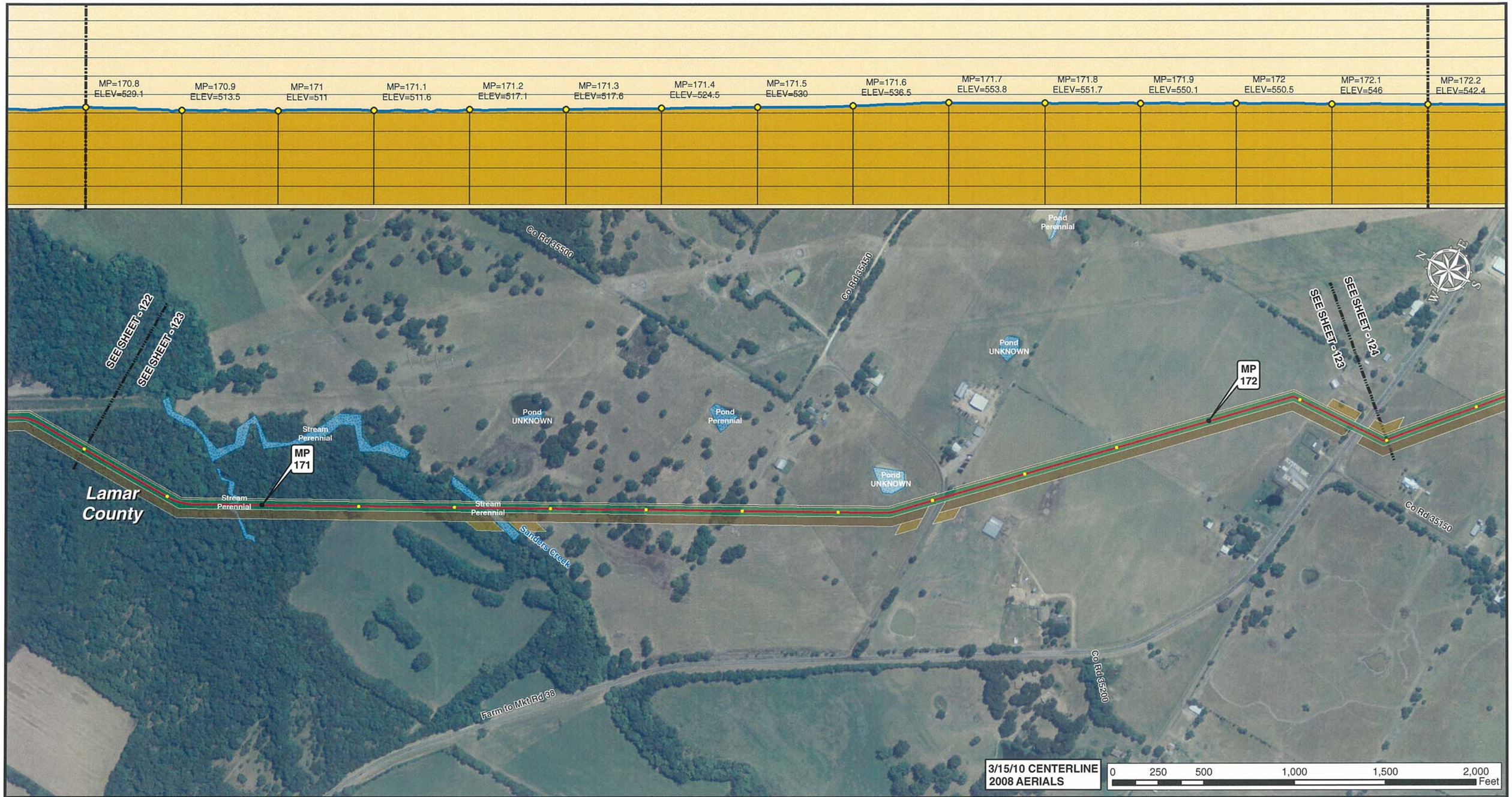
In business to deliver

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

LAMAR COUNTY, TEXAS

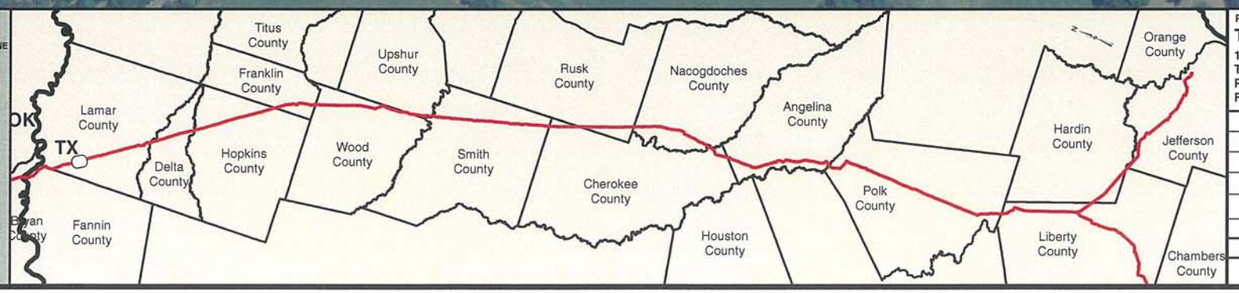
MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-122 -A	122	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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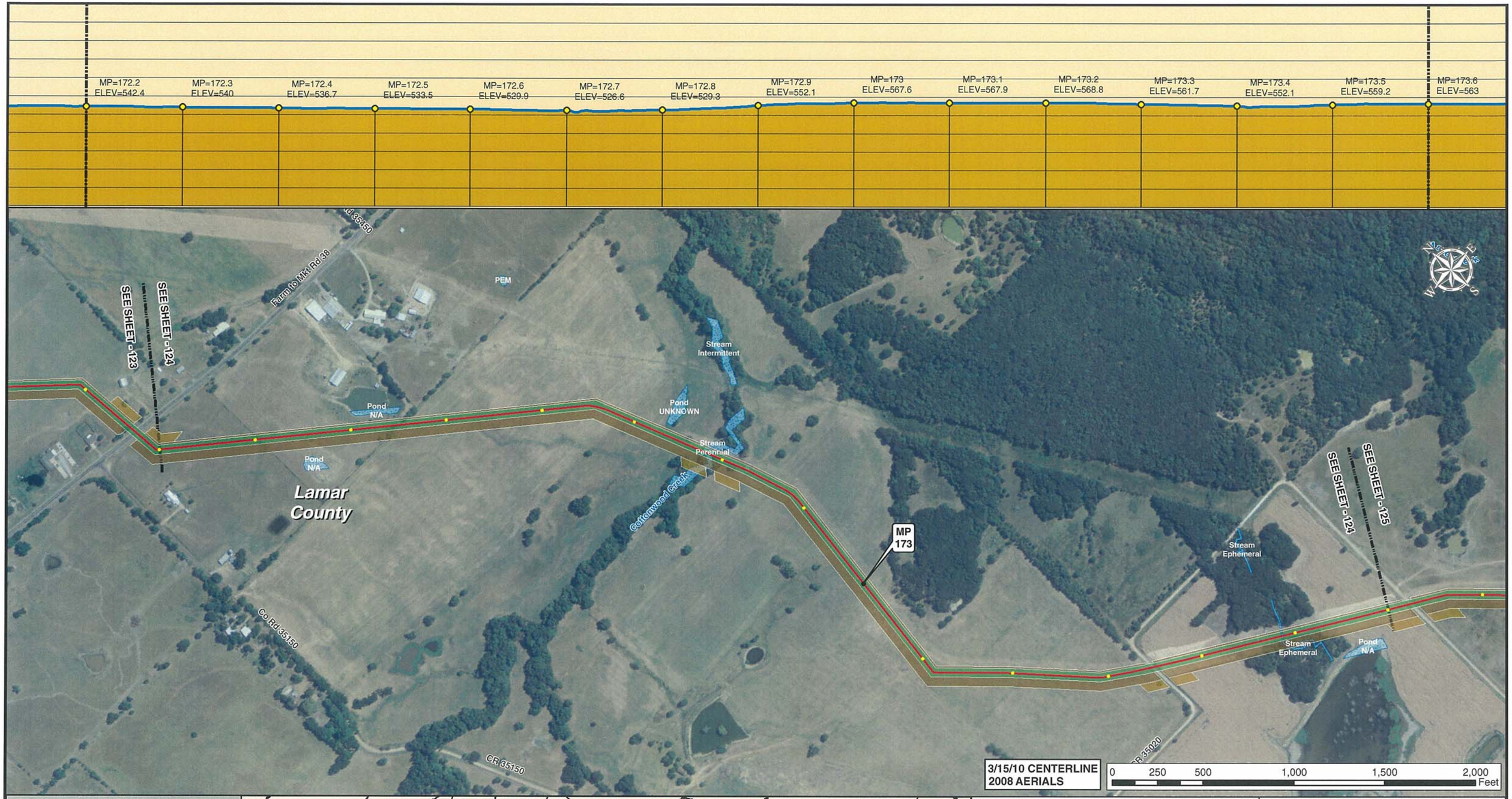
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
LAMAR COUNTY, TEXAS

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-48-ML-2002-P-123 -A	123	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
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CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
LAMAR COUNTY, TEXAS

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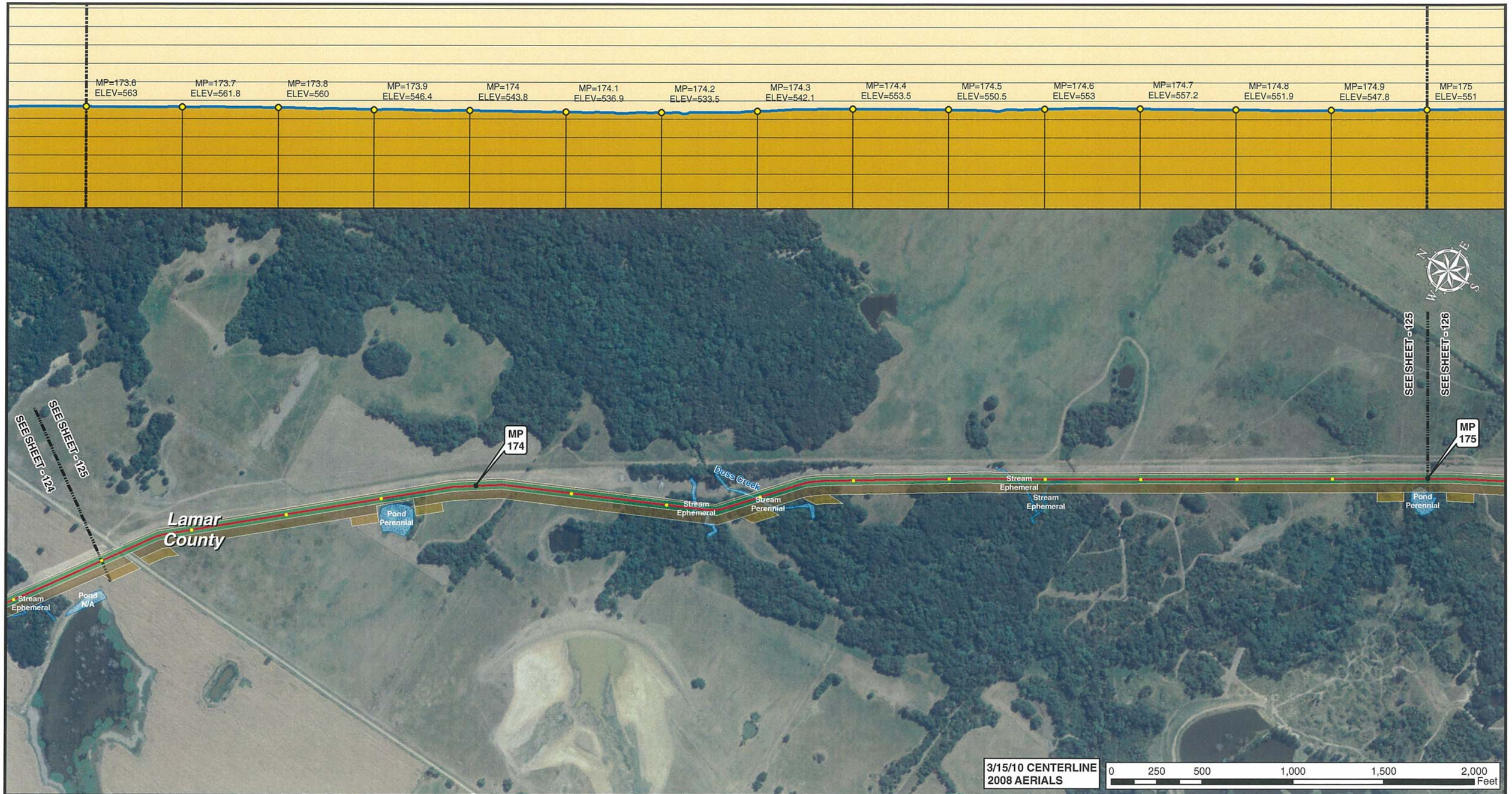
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-124 -A	124	2



Legend

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- 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
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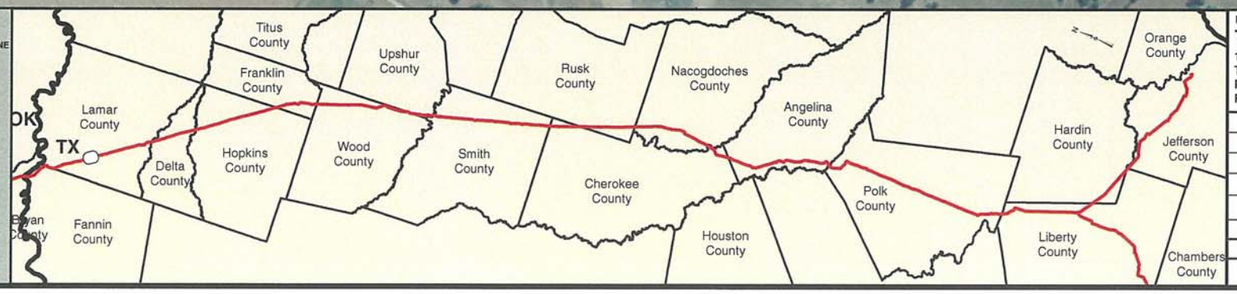
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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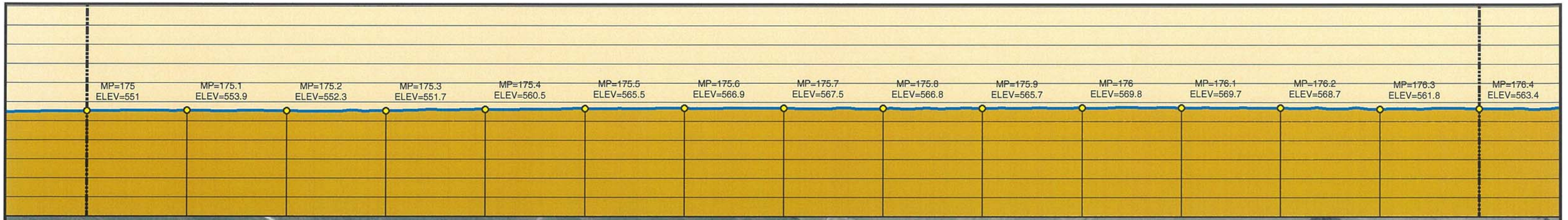
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LAMAR COUNTY, TEXAS

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-48-ML-2002-P-125 -A	125	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
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- ACCESS ROAD
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- RAILROAD SIDING
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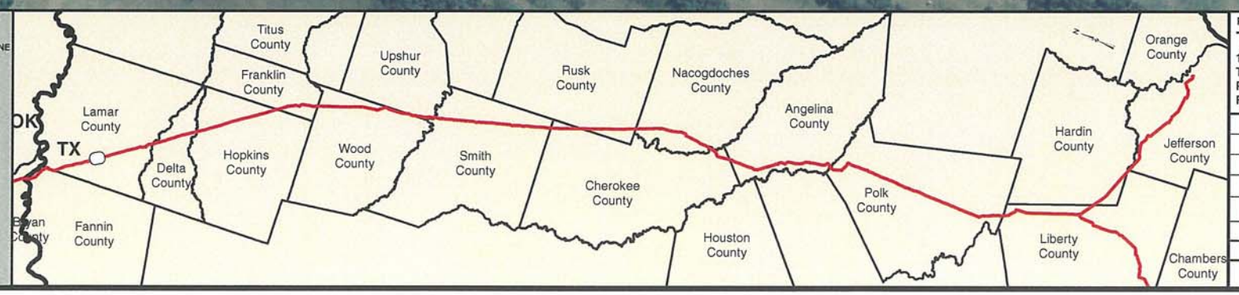
- WETLAND
- COUNTY LINE
- SECTION LINE



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CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LAMAR COUNTY, TEXAS

MAP PARAMETERS
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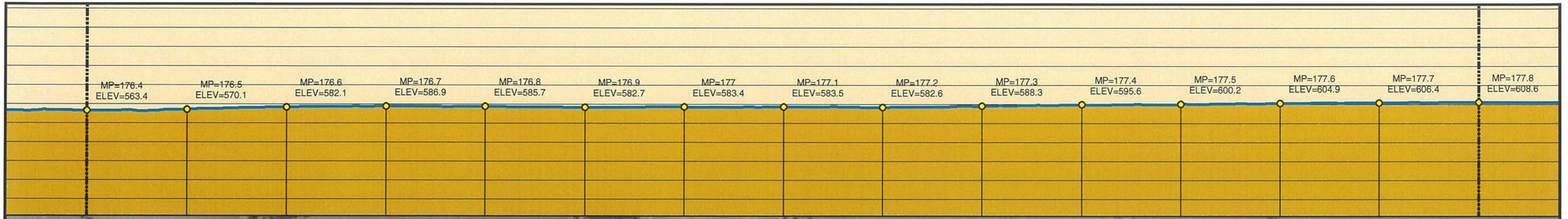
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-126 -A	126	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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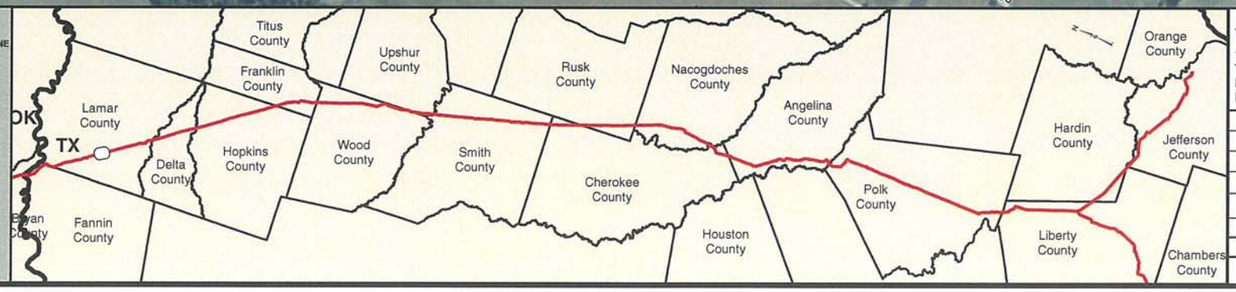
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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LAMAR COUNTY, TEXAS

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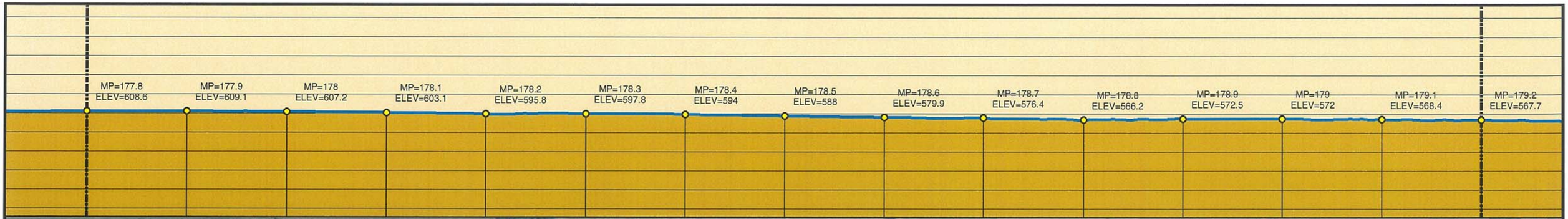
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-127 -A	127	2



Legend

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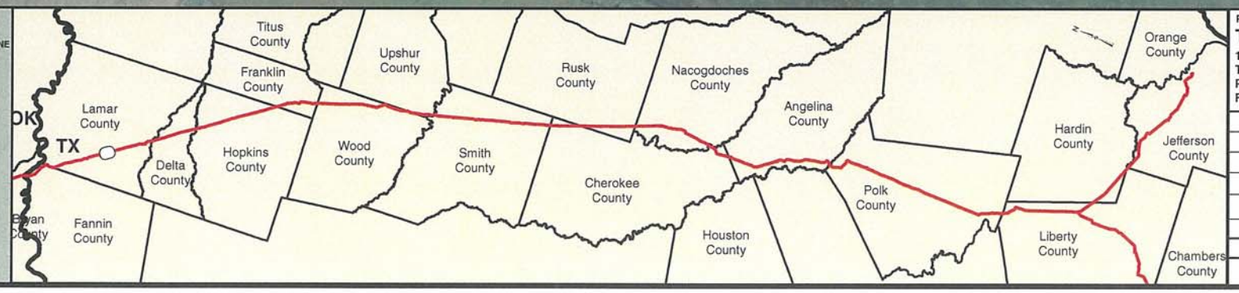
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LAMAR COUNTY, TEXAS

MAP PARAMETERS
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DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-128 -A	128	2

Legend

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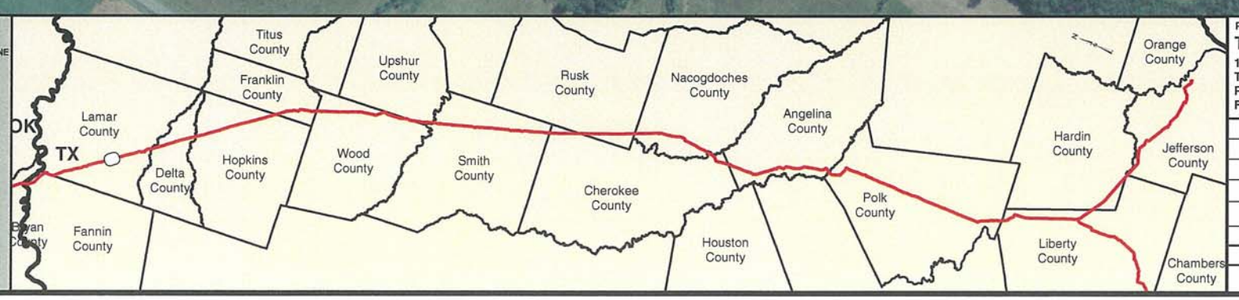
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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LAMAR COUNTY, TEXAS

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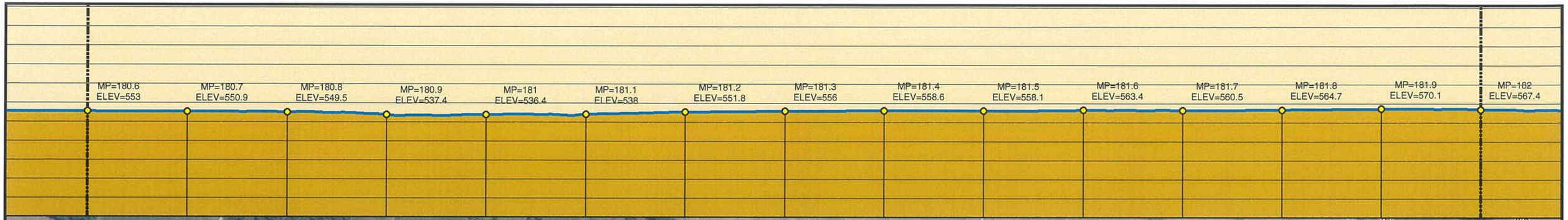
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-129 -A	129	2



Legend

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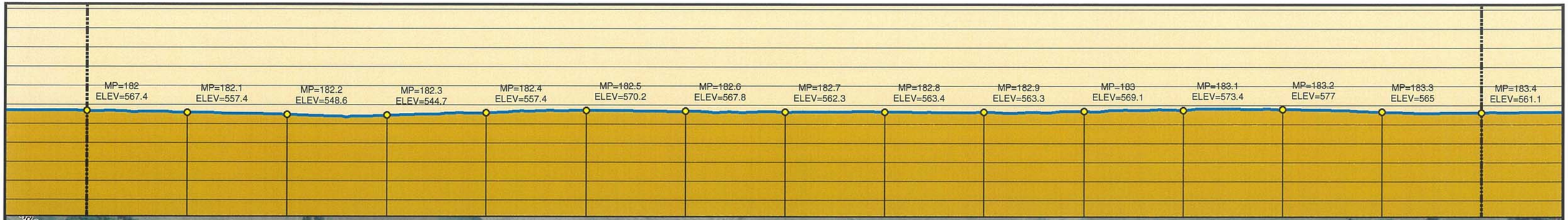
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LAMAR COUNTY, TEXAS

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-48-ML-2002-P-130 -A	130	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
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LAMAR COUNTY, TEXAS

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

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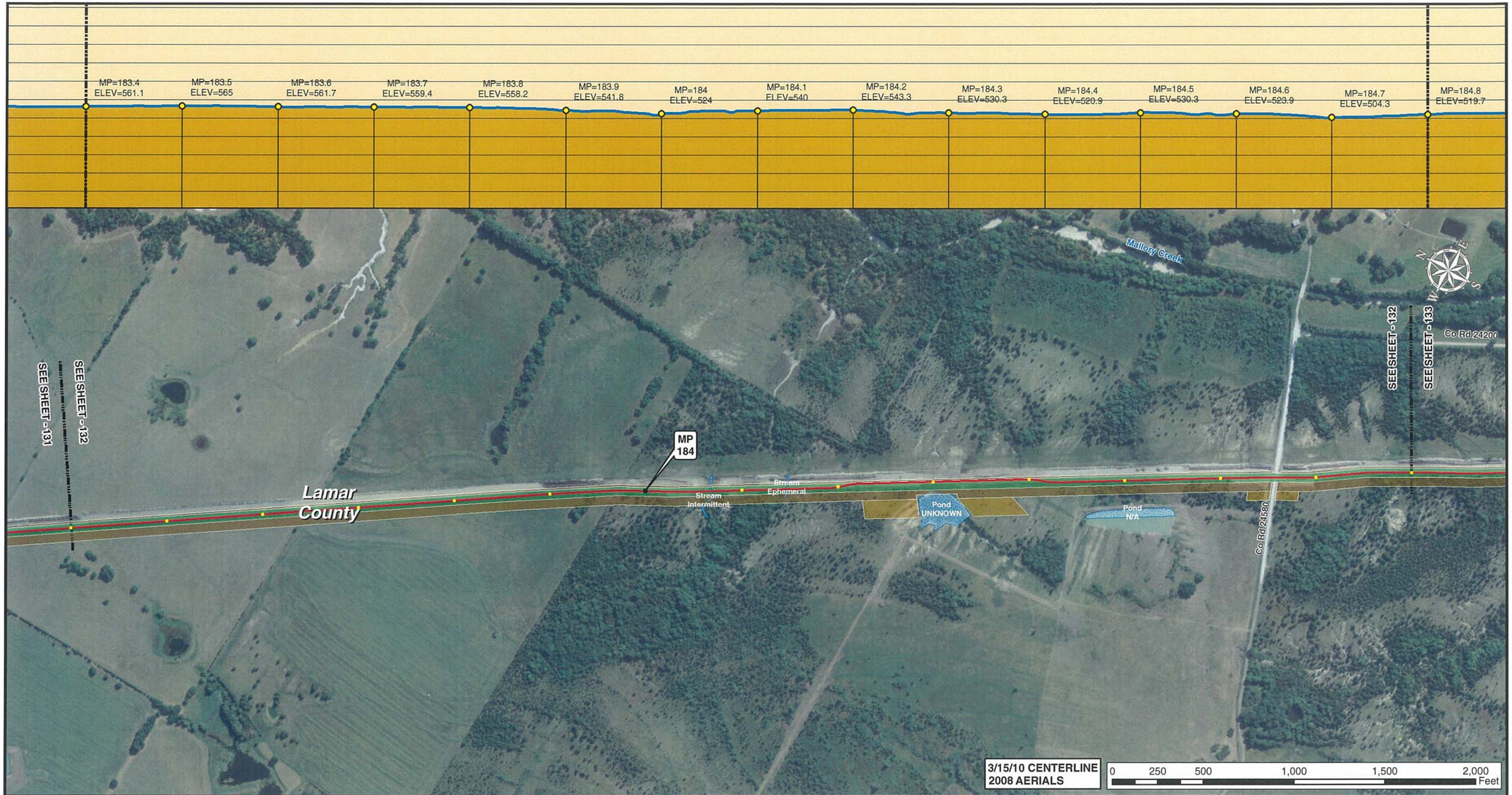
GS	SS	RG	50388X	XL-48-ML-2002-P-131 -A	131	2



Legend

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- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
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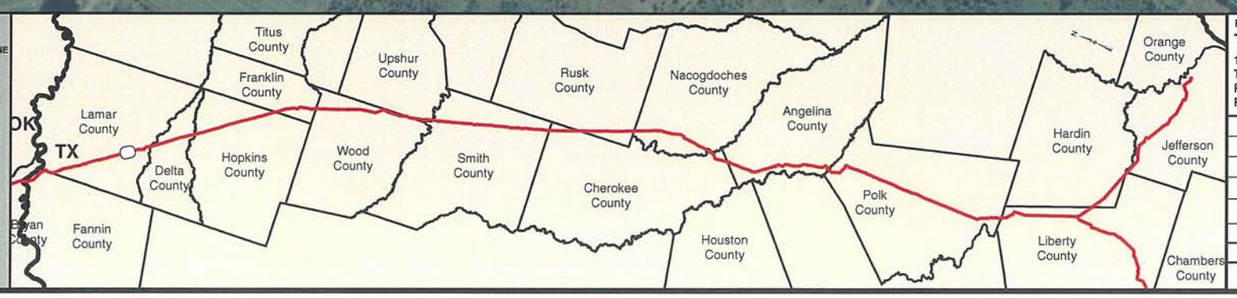

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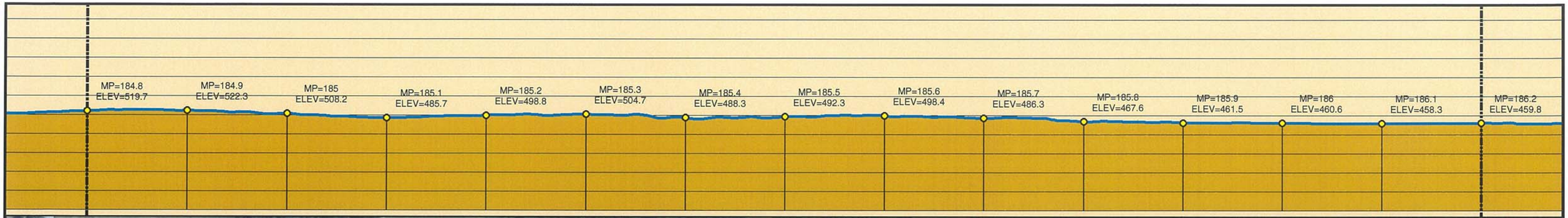
GS	SS	RG	50388X	XL-48-ML-2002-P-132 -A	132	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
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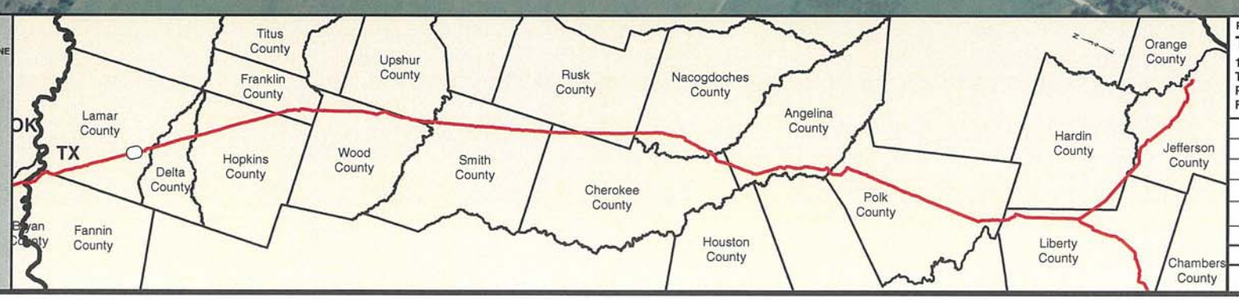

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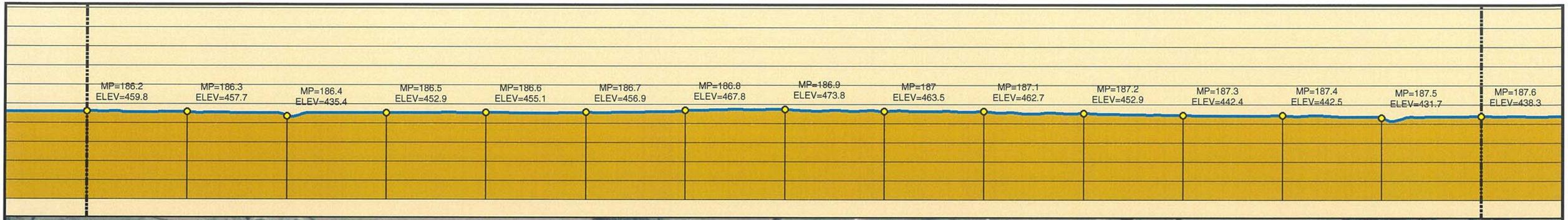
2	ISSUED FOR DEIS COMMENT SUBMITTAL TO U.S. DEPT. OF STATE (3.15.10 CL)	5.19.10
1	ISSUED FOR SUPPLEMENTAL U.S. DEPT. OF STATE FILING (2.19.09 CL)	7.6.09
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL.)	11.19.08

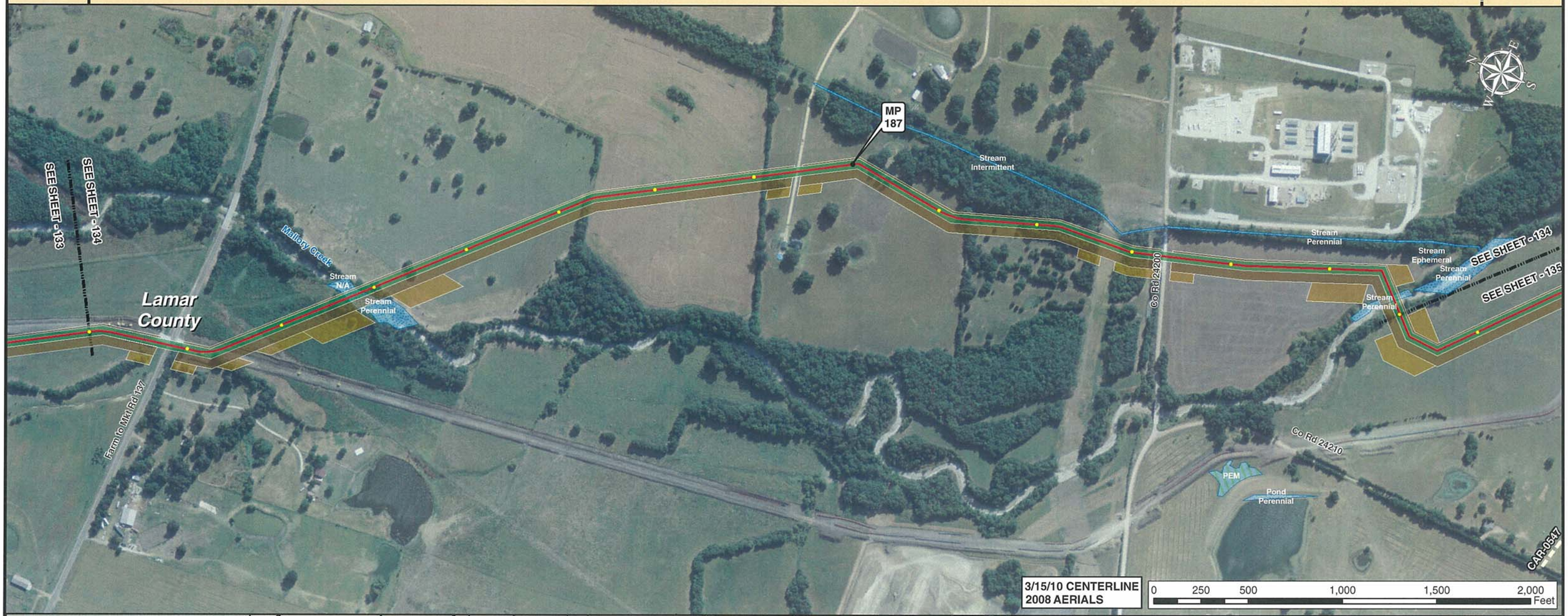
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LAMAR COUNTY, TEXAS

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-48-ML-2002-P-133 -A	133	2



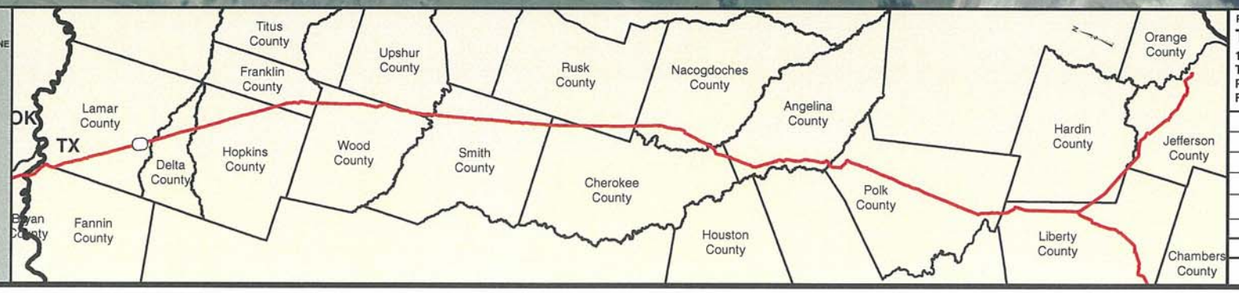


3/15/10 CENTERLINE
2008 AERIALS

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

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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Tallahassee, Florida , USA 32308
Phone: 1-850-385-5441
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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In business to deliver

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

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

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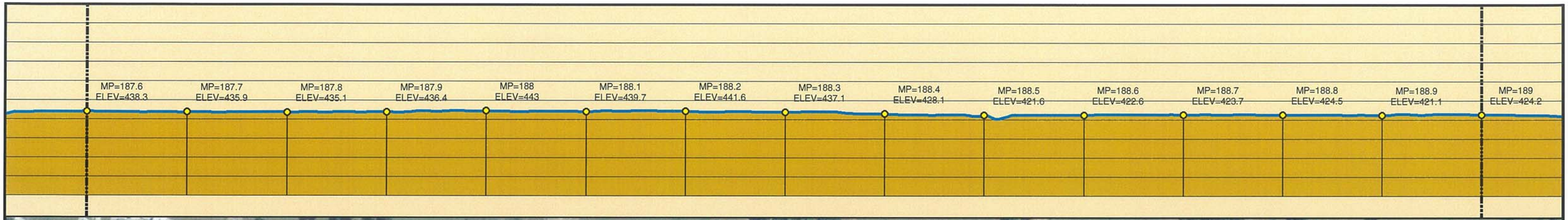
GS	SS	RG	50388X	XL-48-ML-2002-P-134 -A	134	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
- ACCESS ROAD
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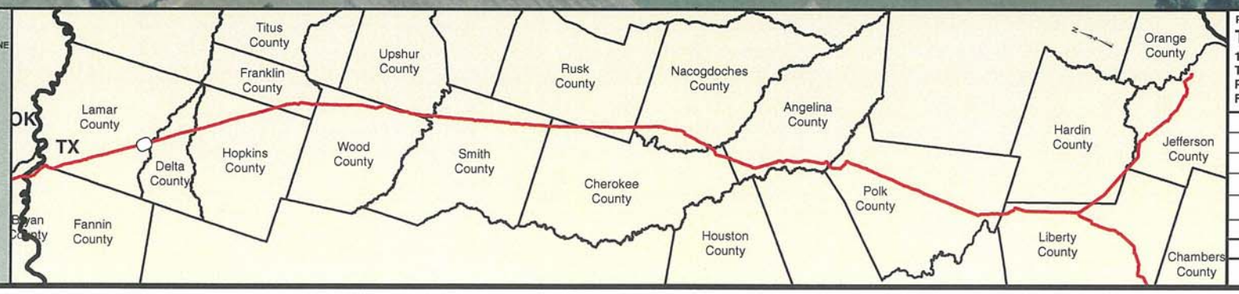
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LAMAR COUNTY, TEXAS

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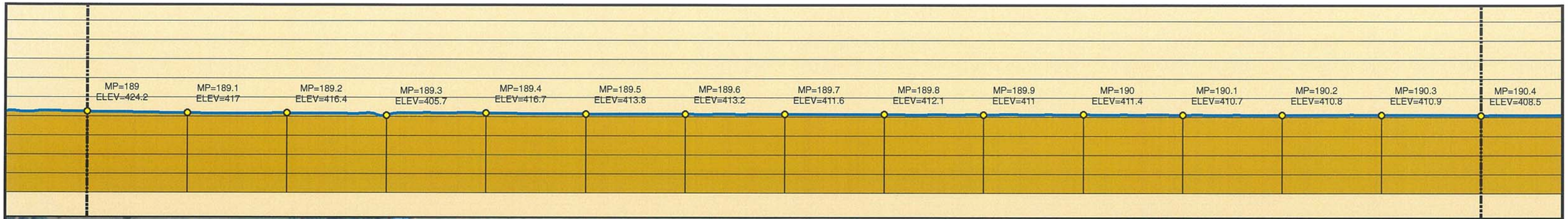
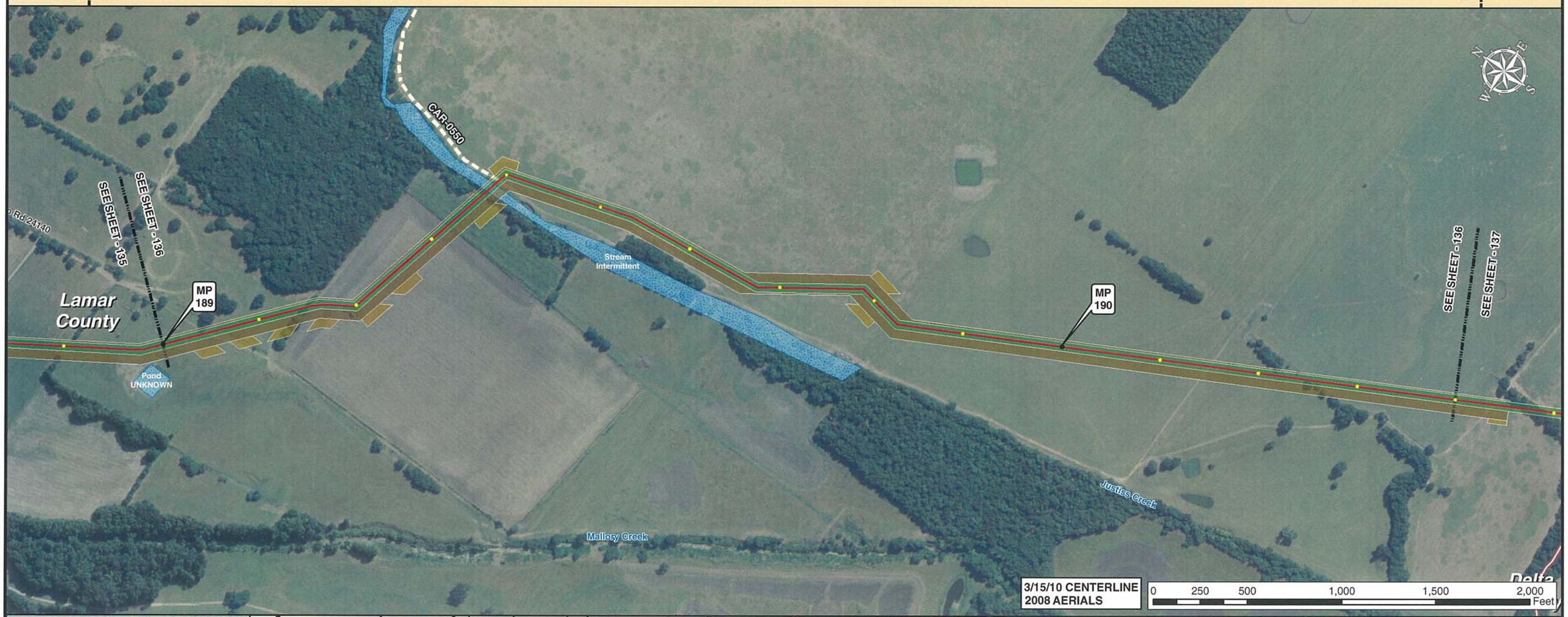
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-135 -A	135	2





Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
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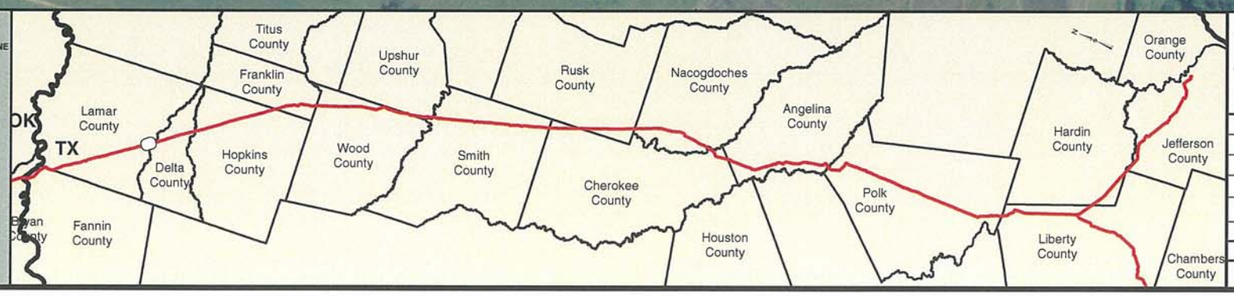
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE



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

LAMAR COUNTY, TEXAS

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

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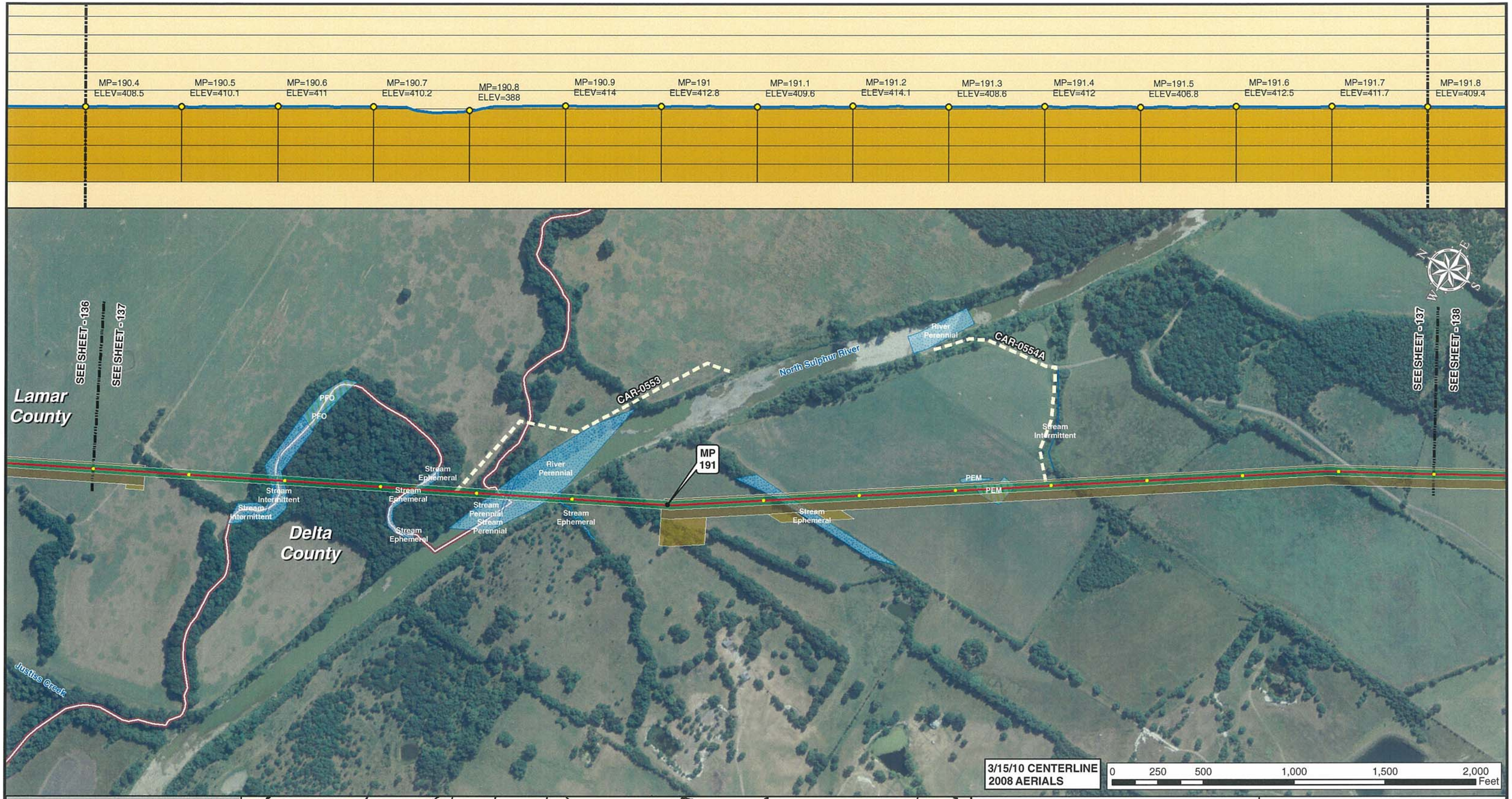
GS	SS	RG	50388X	XL-48-ML-2002-P-136 -A	136	2



Legend

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- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
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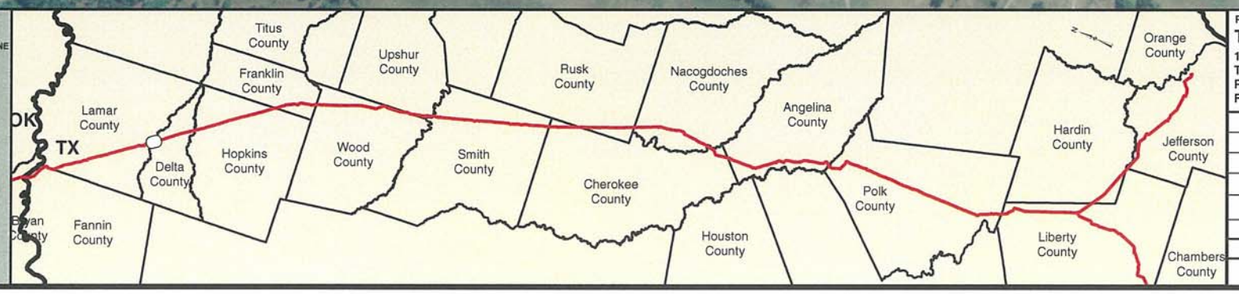

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CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

DELTA COUNTY, TEXAS

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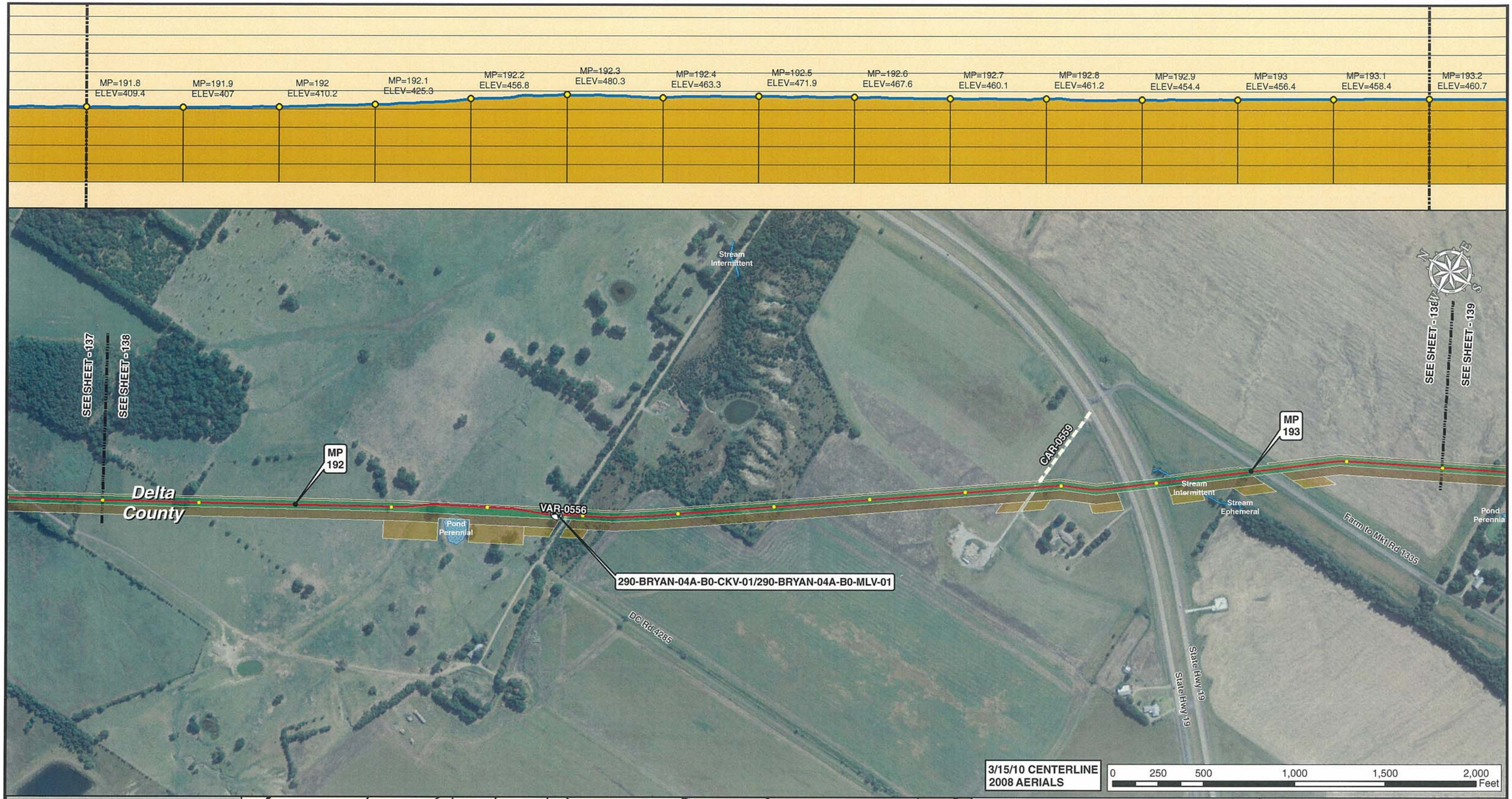
GS	SS	RG	50388X	XL-48-ML-2002-P-137 -A	137	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
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- WETLAND
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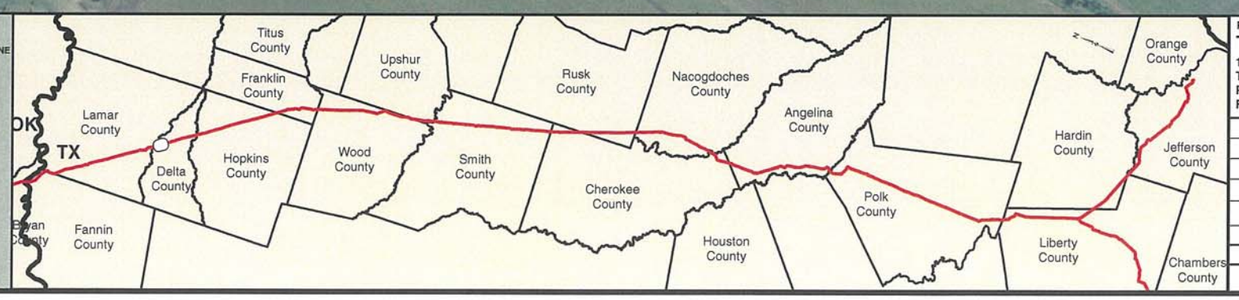

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KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
DELTA COUNTY, TEXAS

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
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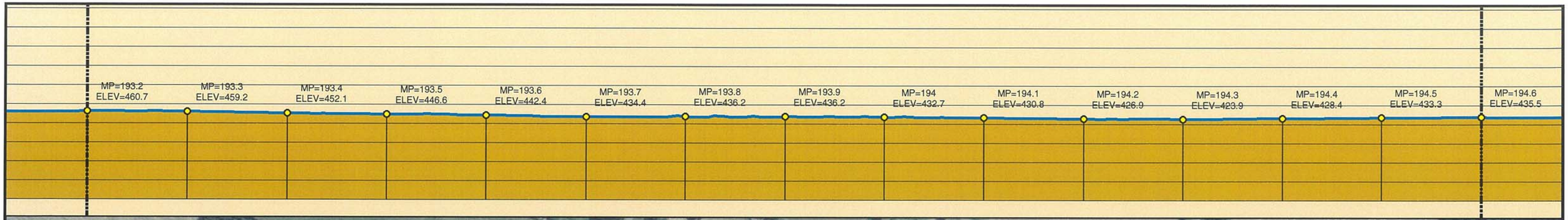
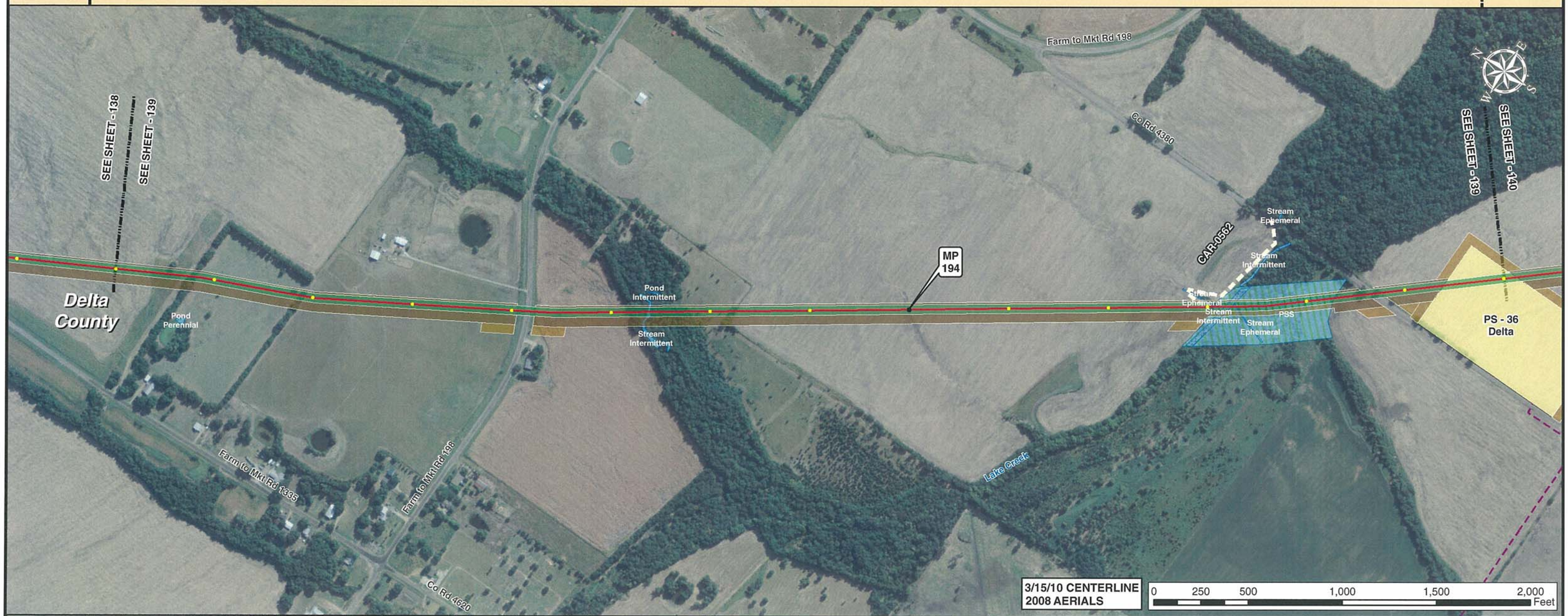
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-138 -A	138	2





Legend

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

DELTA COUNTY, TEXAS

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
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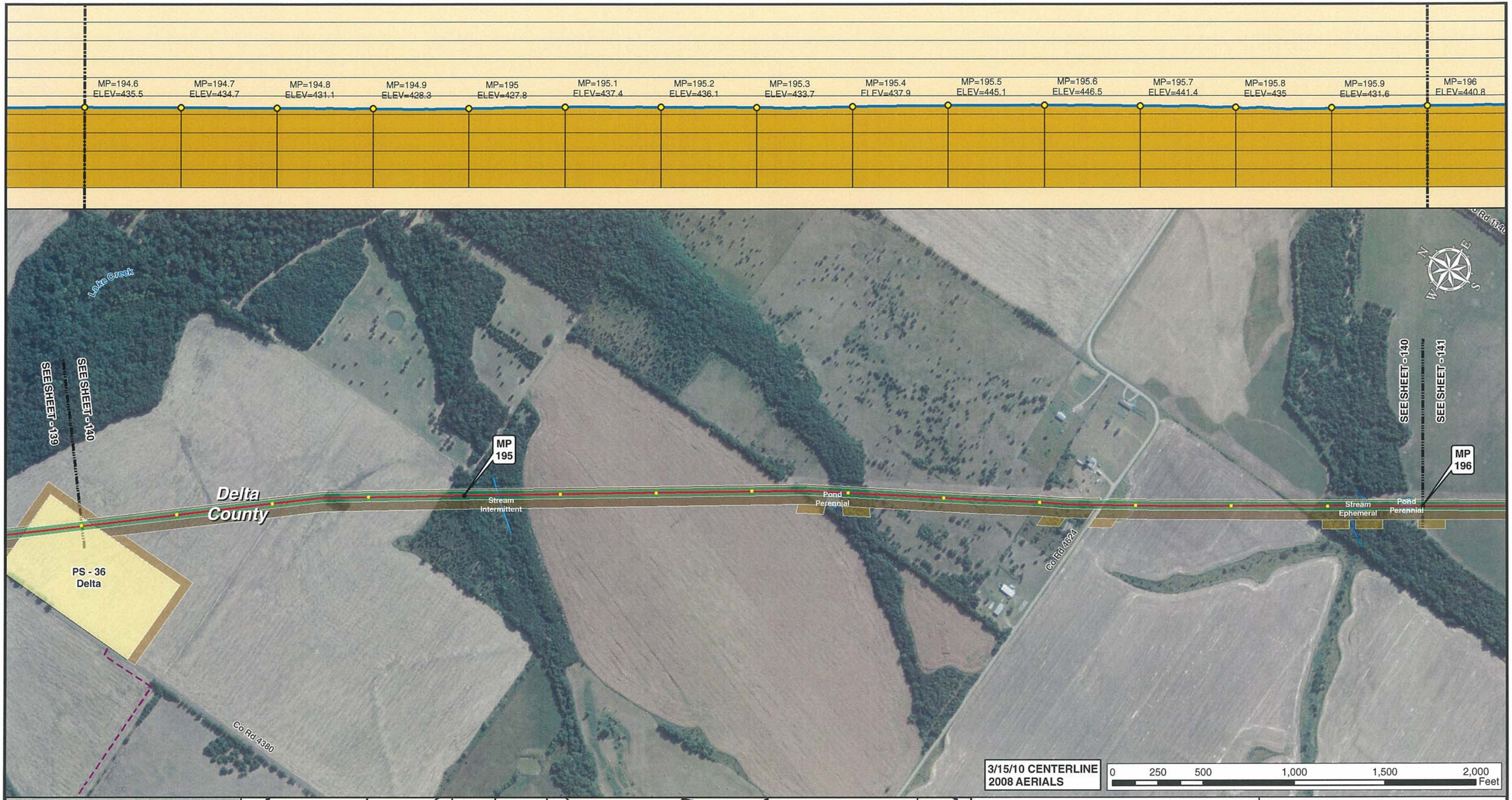
GS	SS	RG	50388X	XL-48-ML-2002-P-139 -A	139	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
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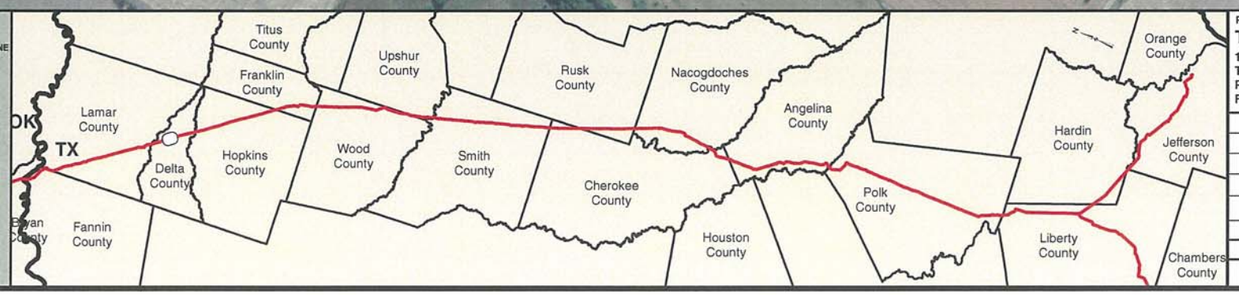

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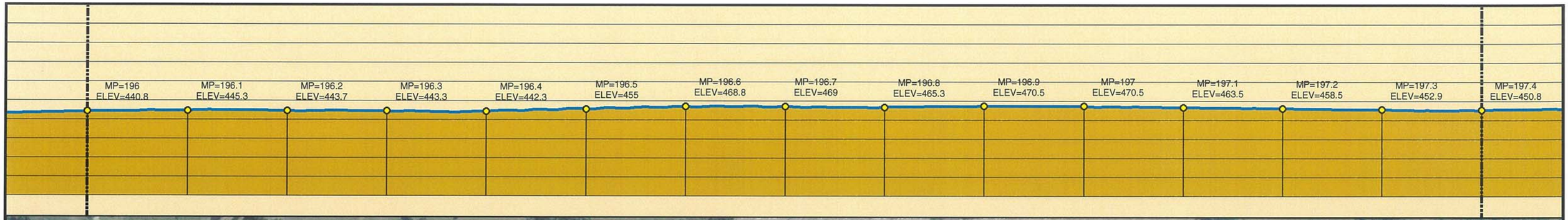

3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
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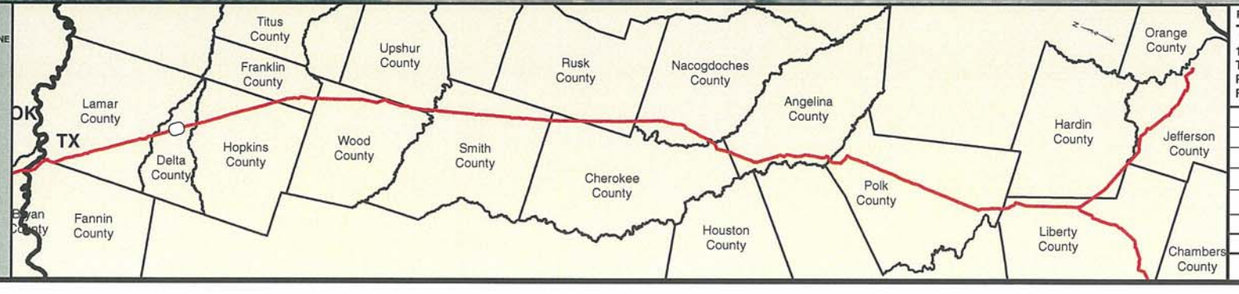

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DELTA COUNTY, TEXAS

MAP PARAMETERS
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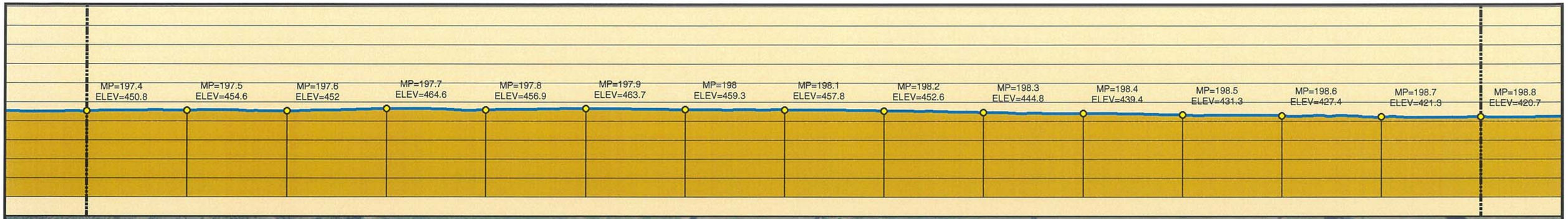
GS	SS	RG	50388X	XL-48-ML-2002-P-141 -A	141	2



Legend

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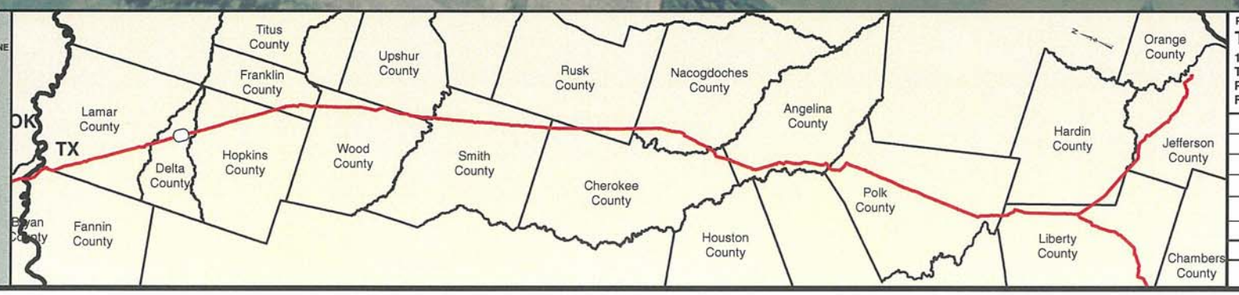

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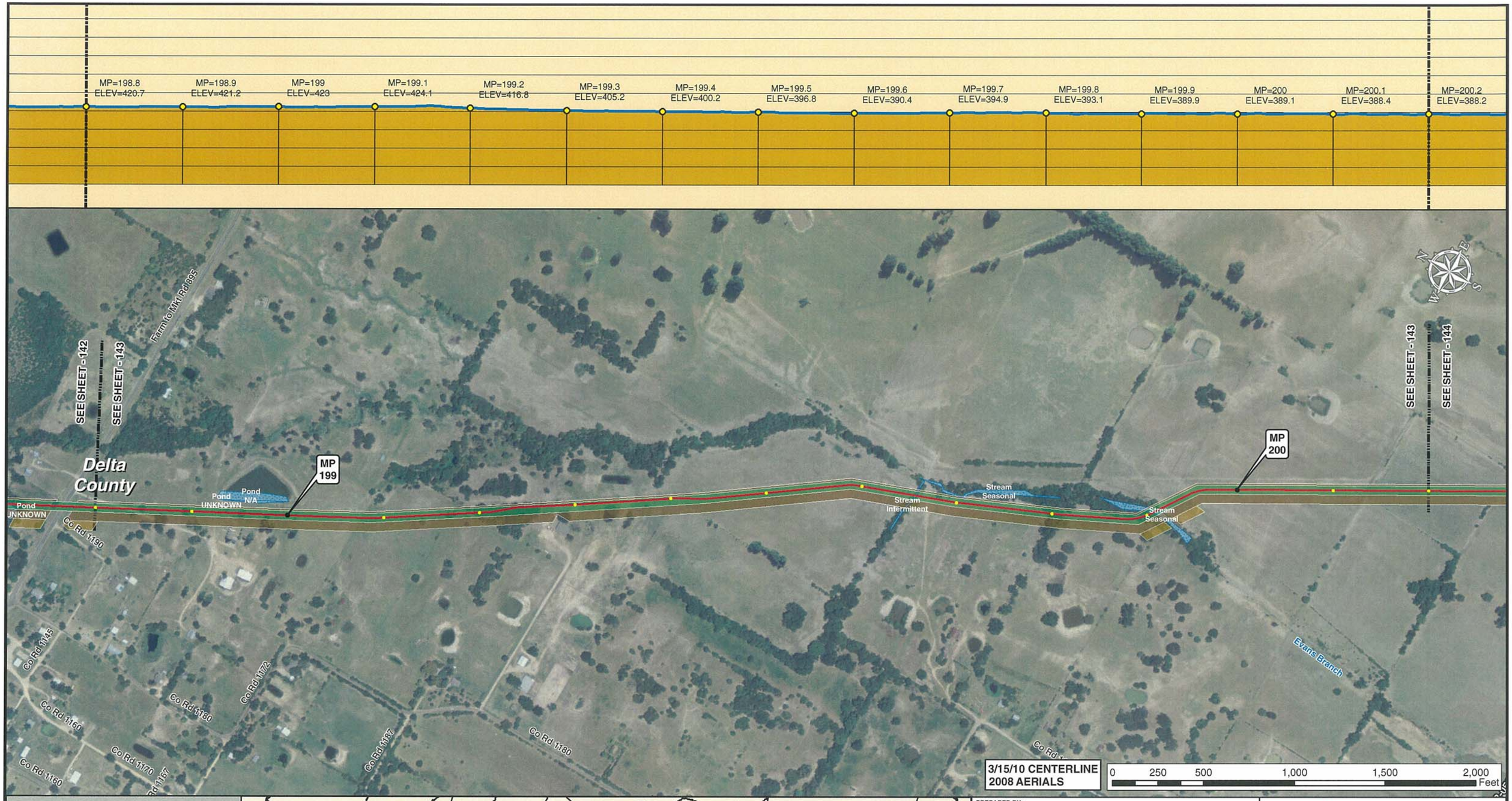
GS	SS	RG	50388X	XL-48-ML-2002-P-142 -A	142	2



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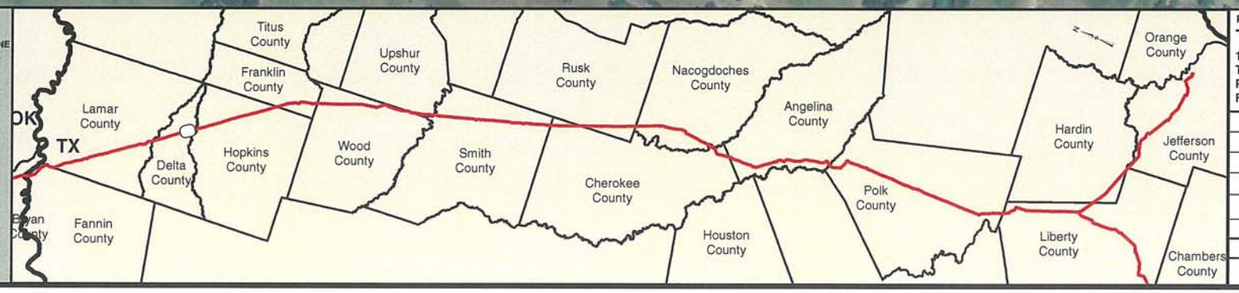

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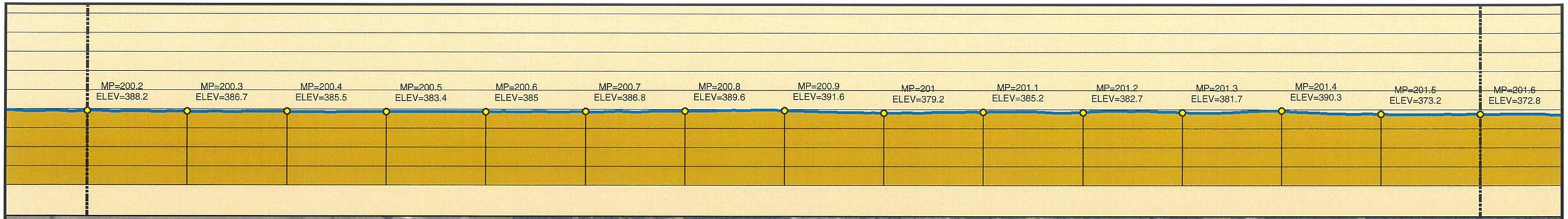
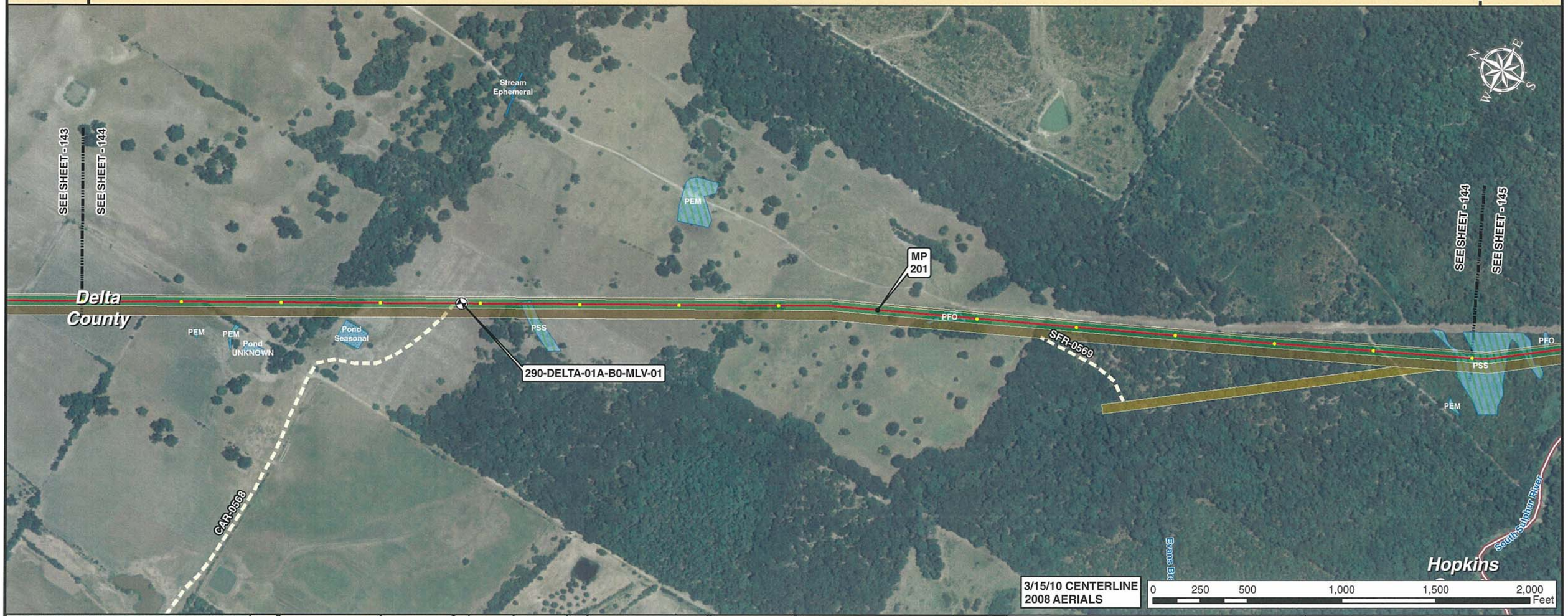
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-143 -A	143	2



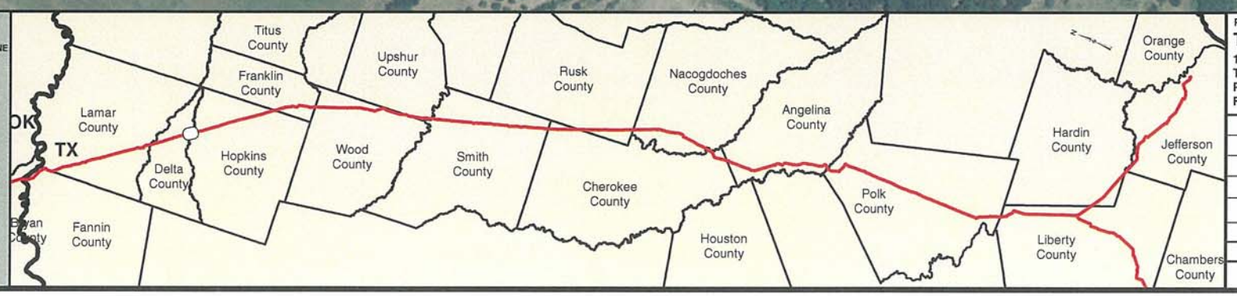


3/15/10 CENTERLINE
2008 AERIALS

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

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
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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

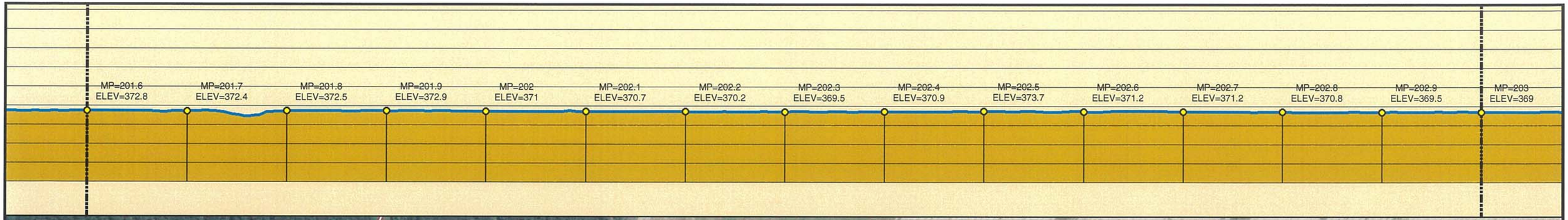
TransCanada
In business to deliver

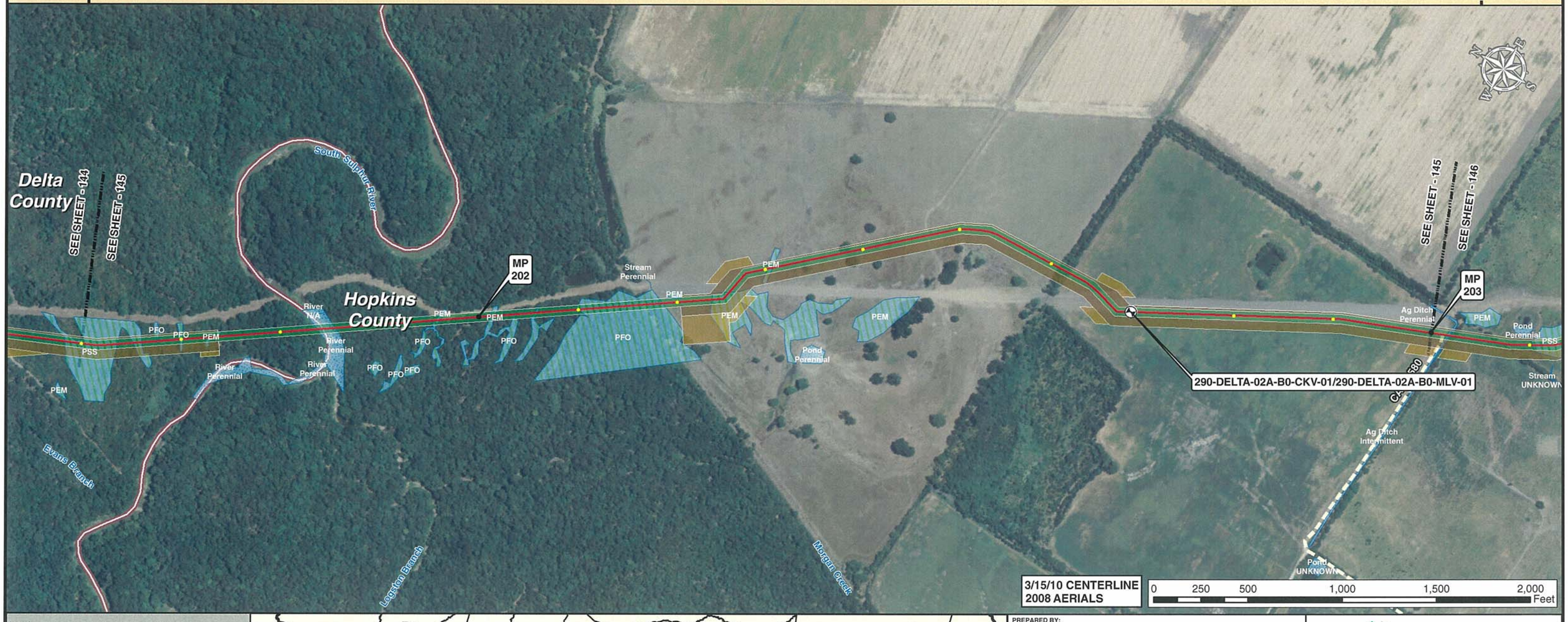
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

DELTA COUNTY, TEXAS

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

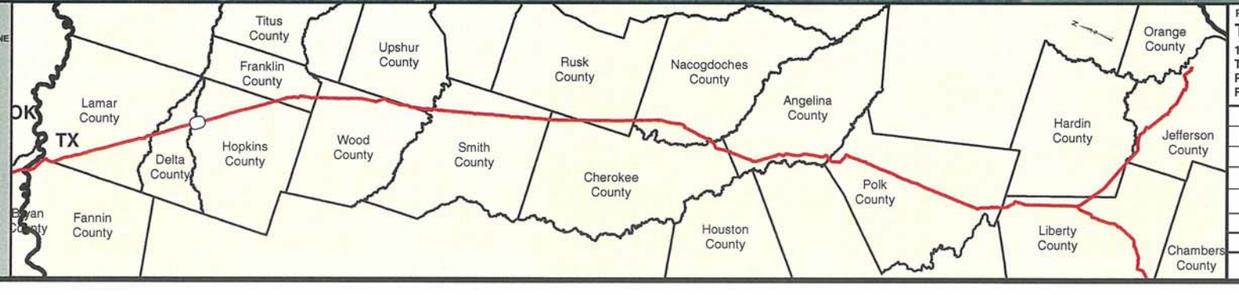
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-144 -A	144	2





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

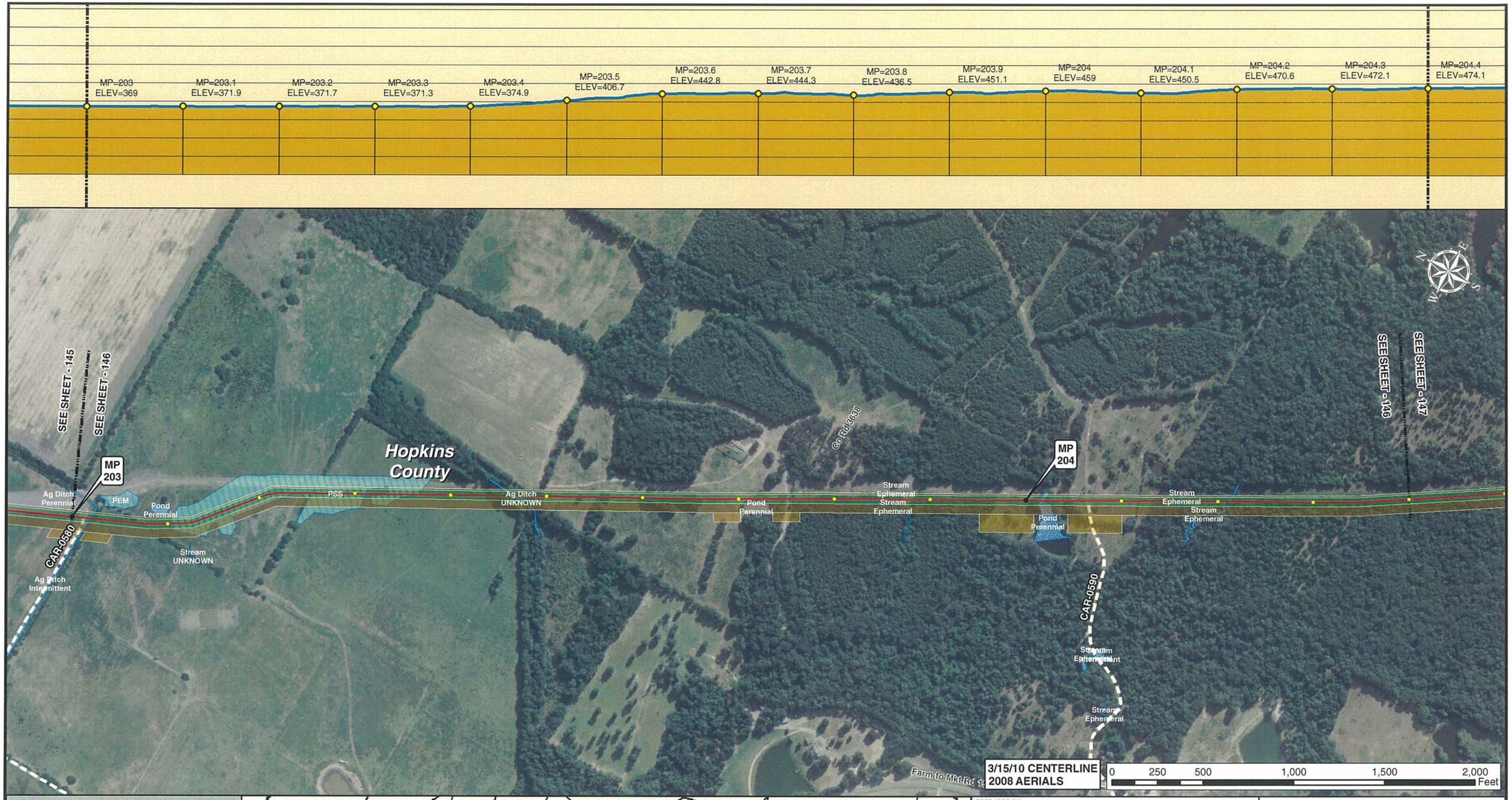
TransCanada
In business to deliver

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

HOPKINS COUNTY, TEXAS

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-48-ML-2002-P-145 -A	145	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
- SECTION LINE
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
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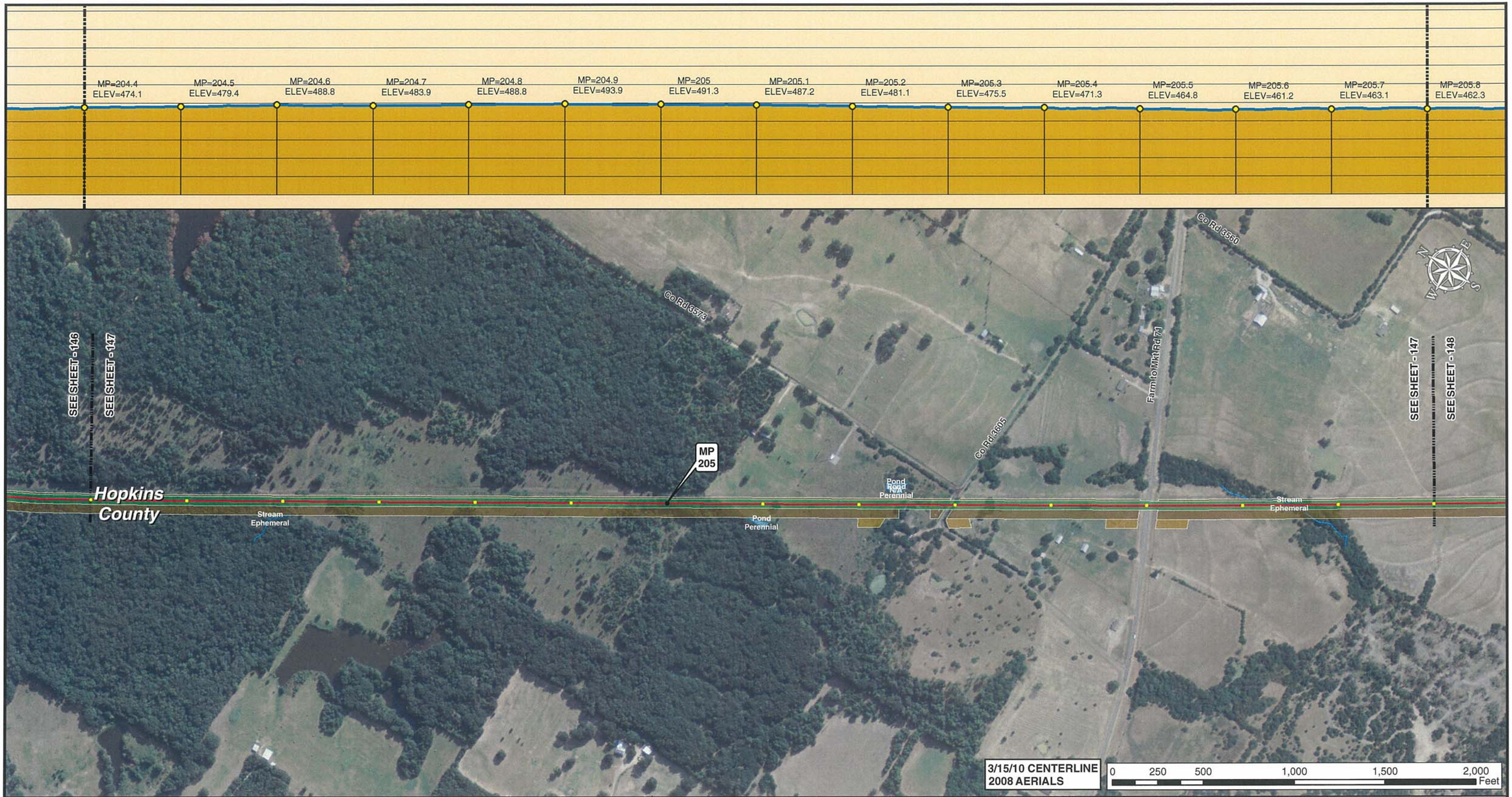
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

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

HOPKINS COUNTY, TEXAS

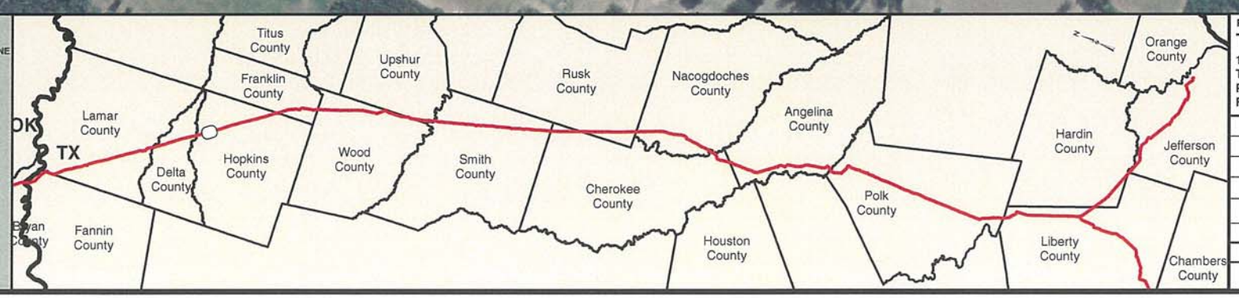
MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-146 -A	146	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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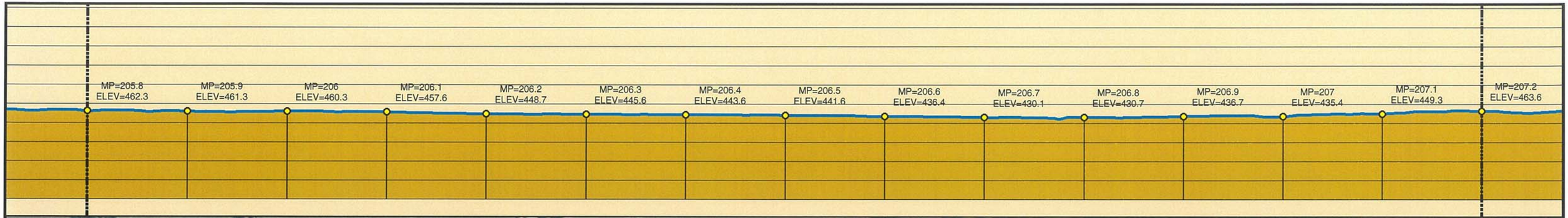
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

HOPKINS COUNTY, TEXAS

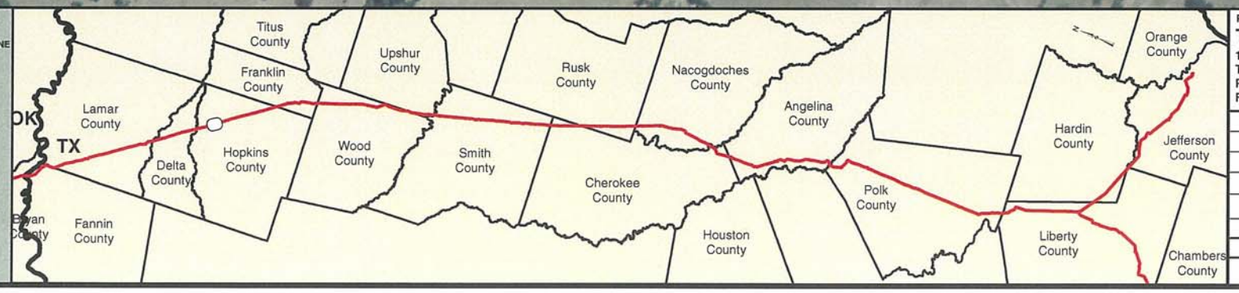
MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-147 -A	147	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
- SECTION LINE
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE



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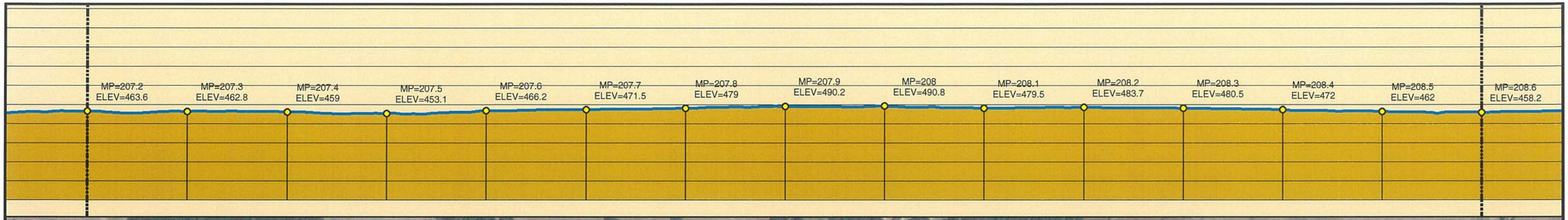
In business to deliver

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

HOPKINS COUNTY, TEXAS

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-48-ML-2002-P-148 -A	148	2

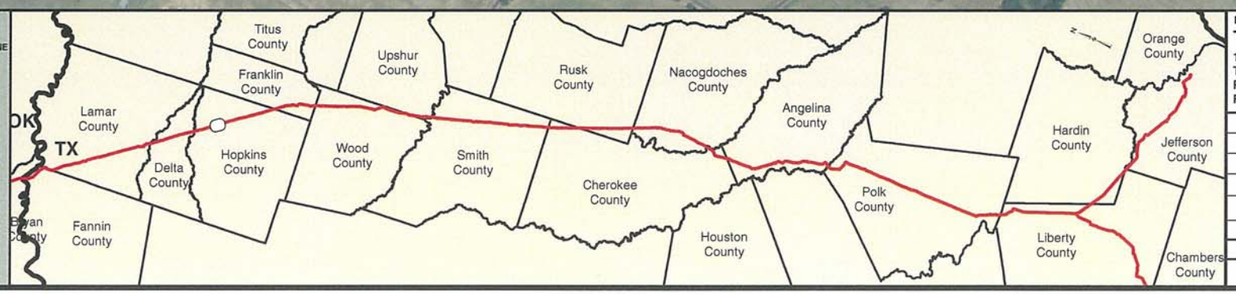


3/15/10 CENTERLINE
2008 AERIALS

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

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

HOPKINS COUNTY, TEXAS

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

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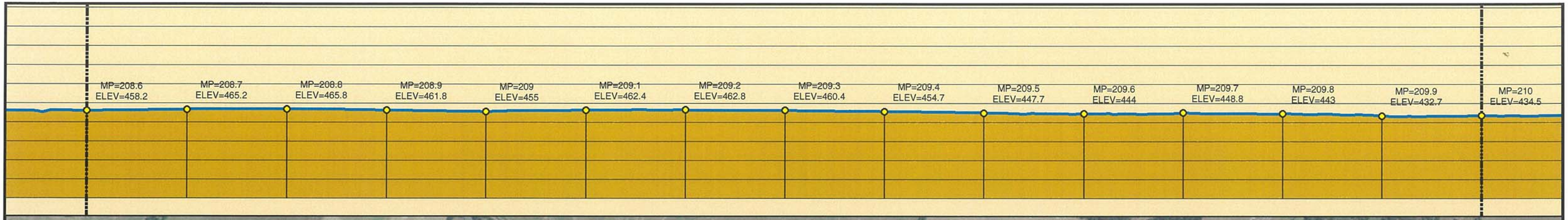
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-149 -A	149	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
- ACCESS ROAD
- TRANSMISSION LINE
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- CONTRACTOR YARD
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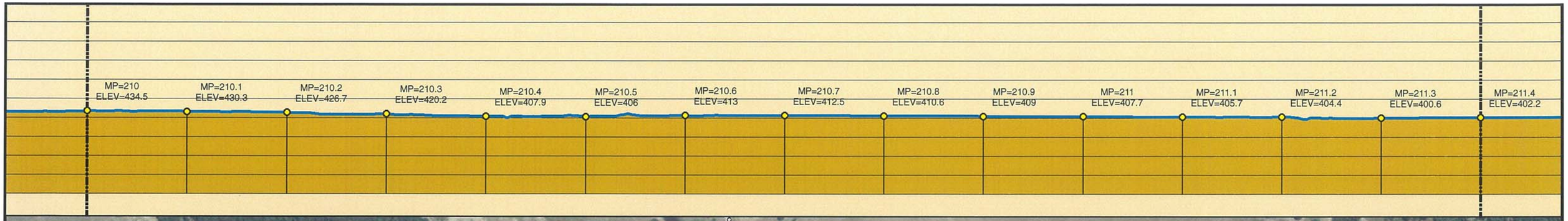
In business to deliver

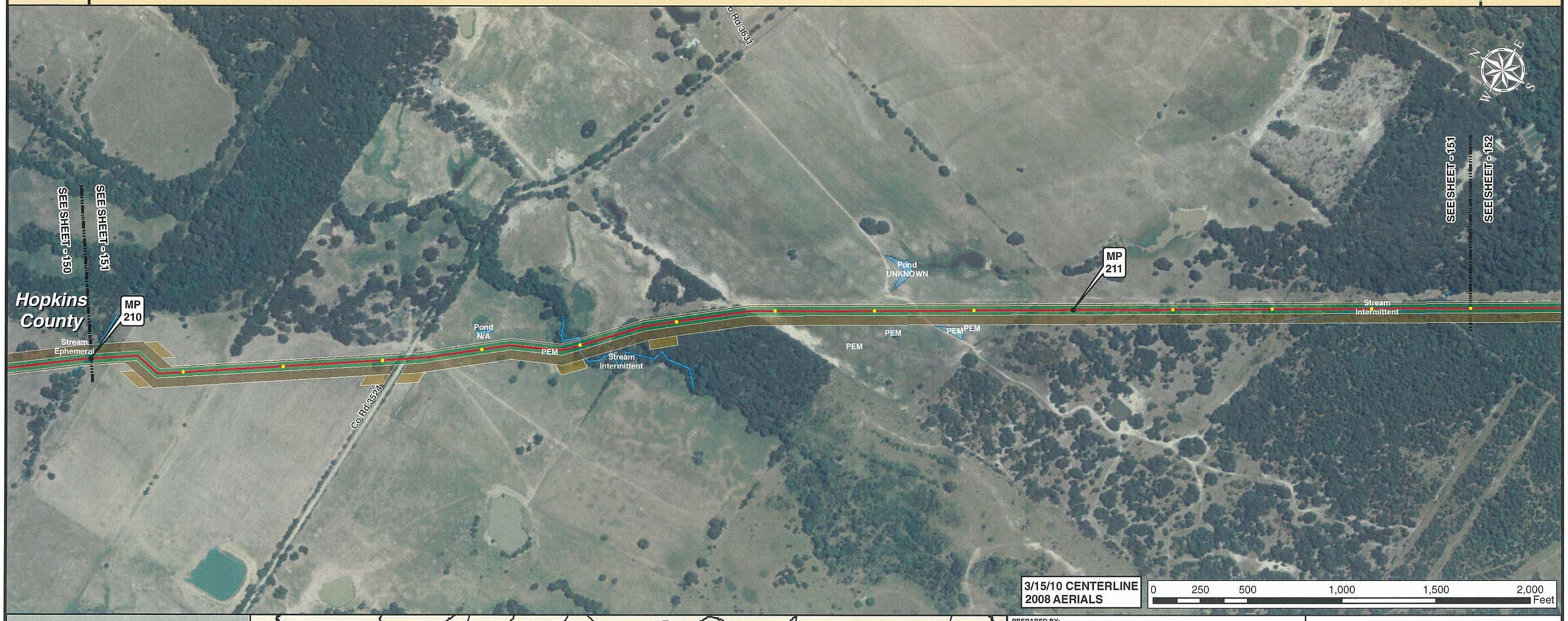
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

HOPKINS COUNTY, TEXAS

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-48-ML-2002-P-150 -A	150	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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

HOPKINS COUNTY, TEXAS

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

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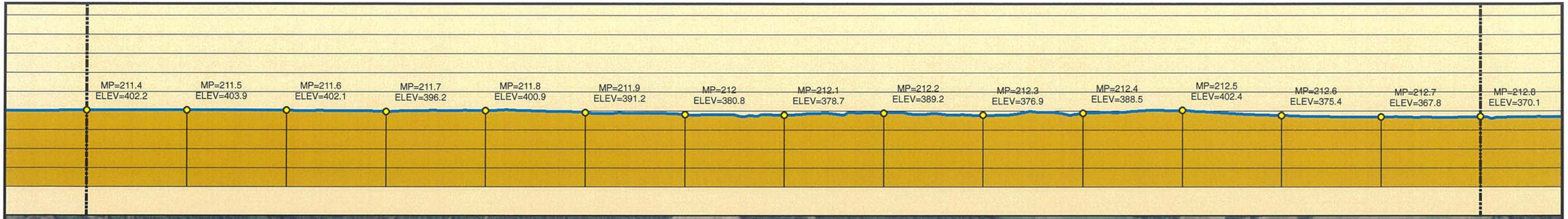
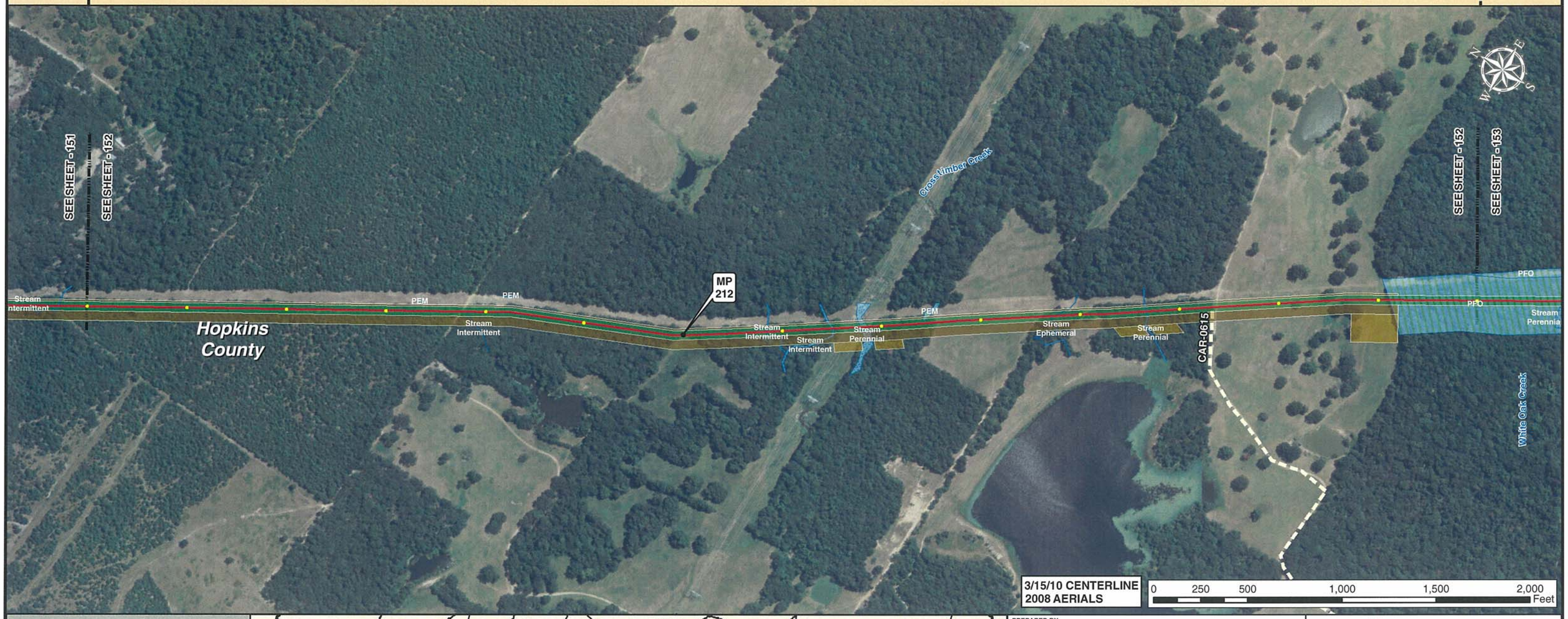
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-151 -A	151	2





Legend

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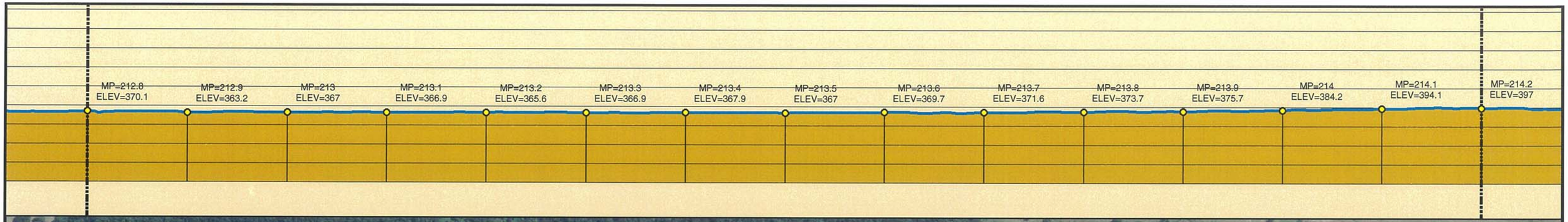
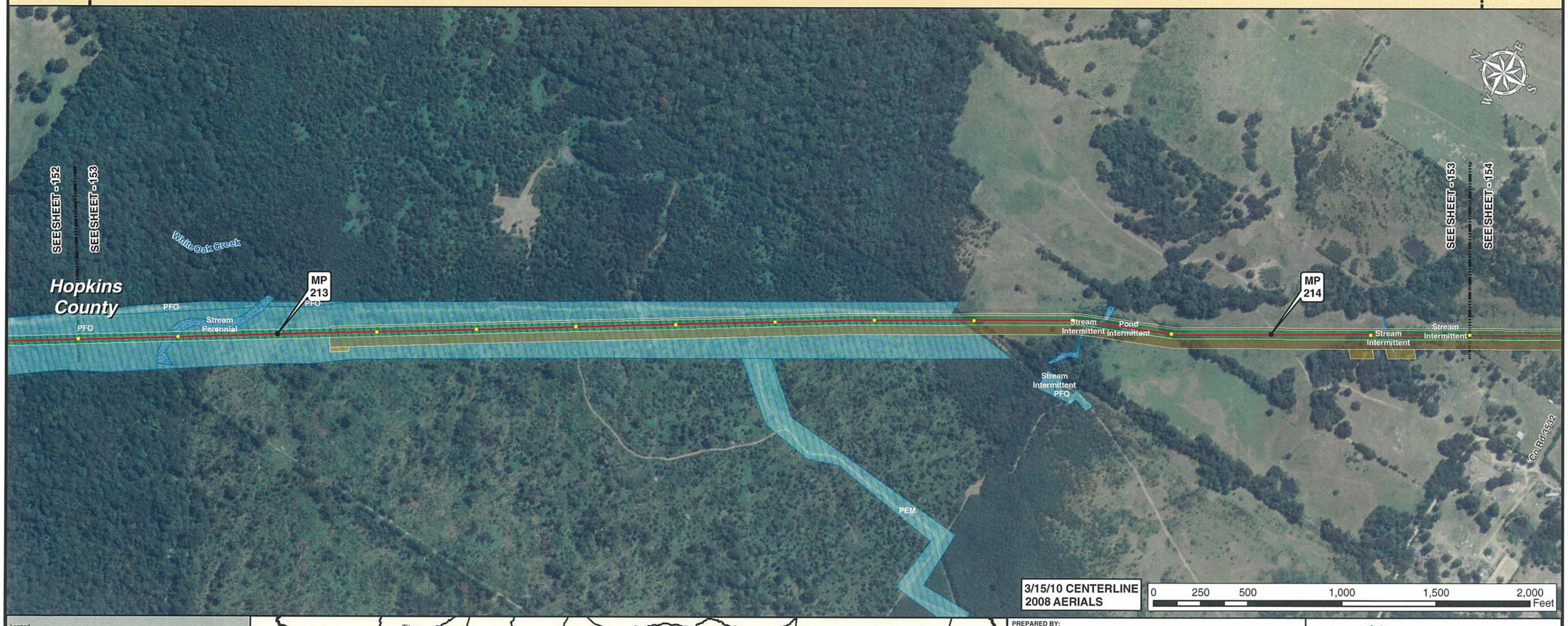
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

HOPKINS COUNTY, TEXAS

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-48-ML-2002-P-152 -A	152	2





Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
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- PIPE YARD/RAILROAD SIDING
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- WATER BODY
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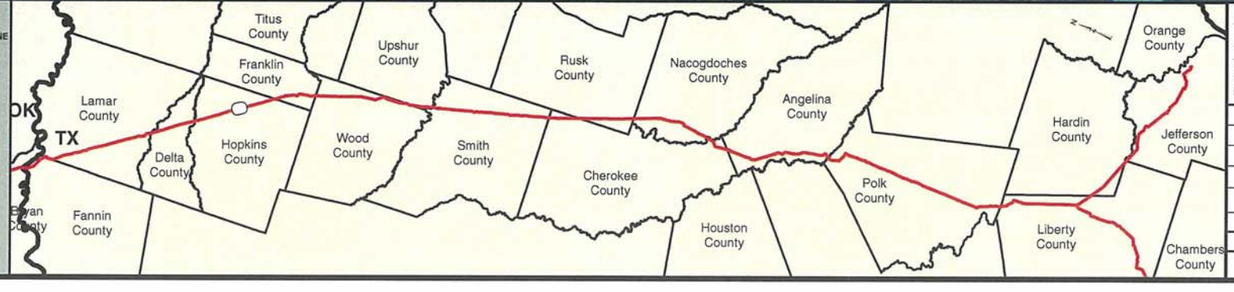
- COUNTY LINE
- SECTION LINE



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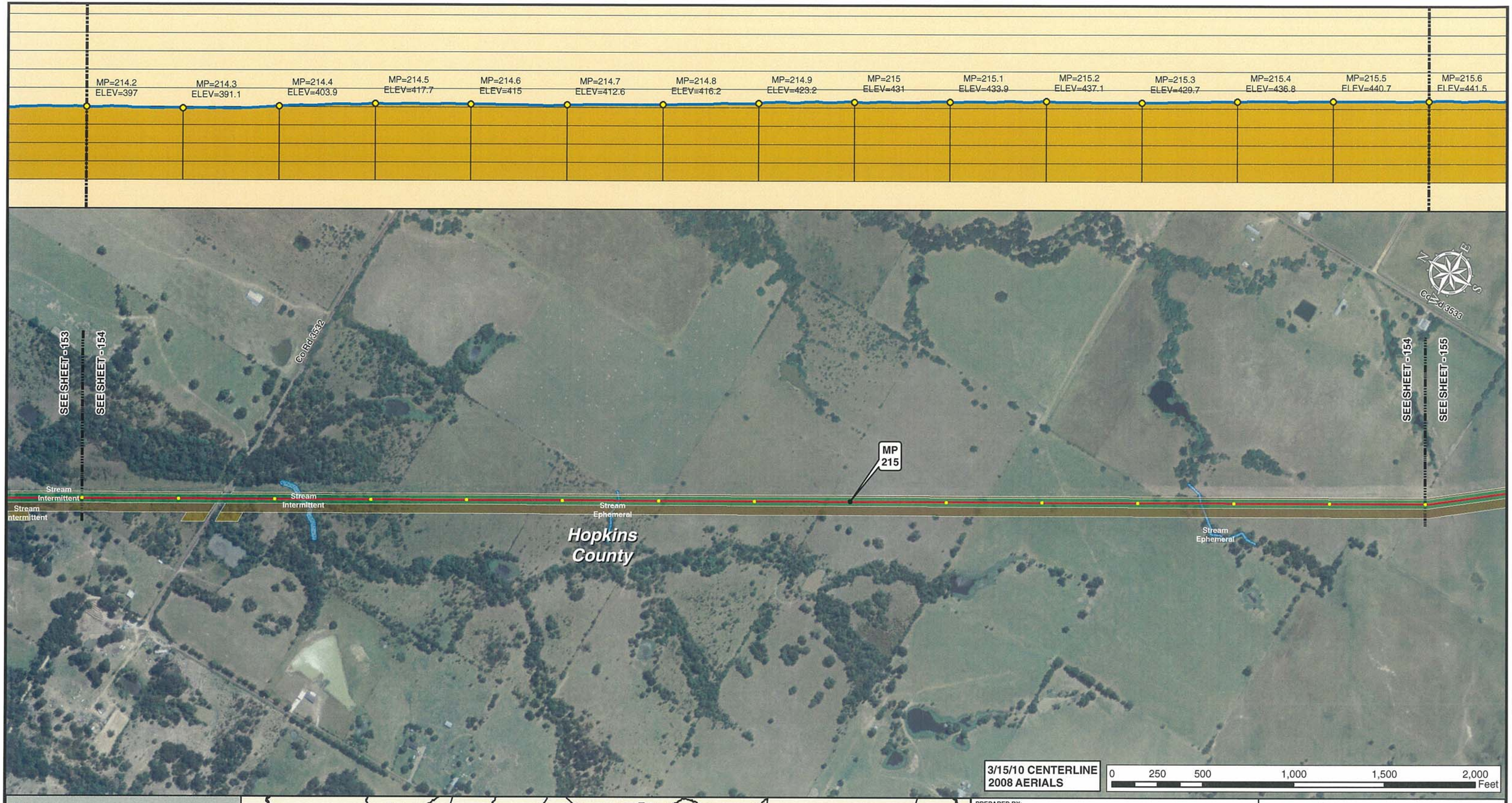
HOPKINS COUNTY, TEXAS

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-48-ML-2002-P-153 -A	153	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
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- VALVE
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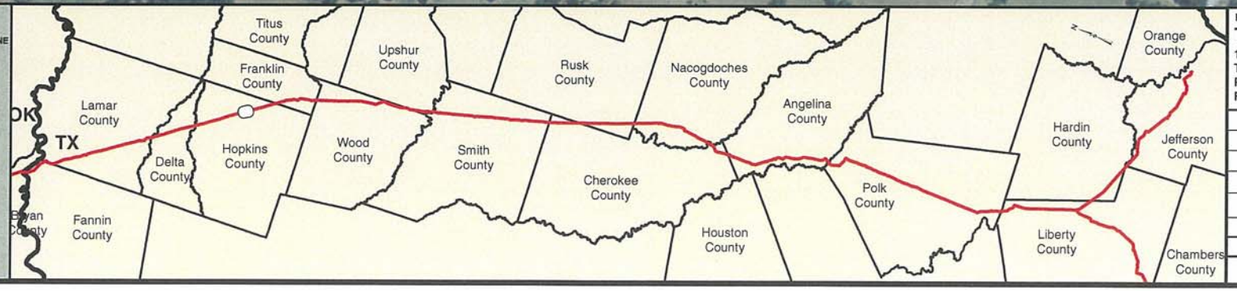
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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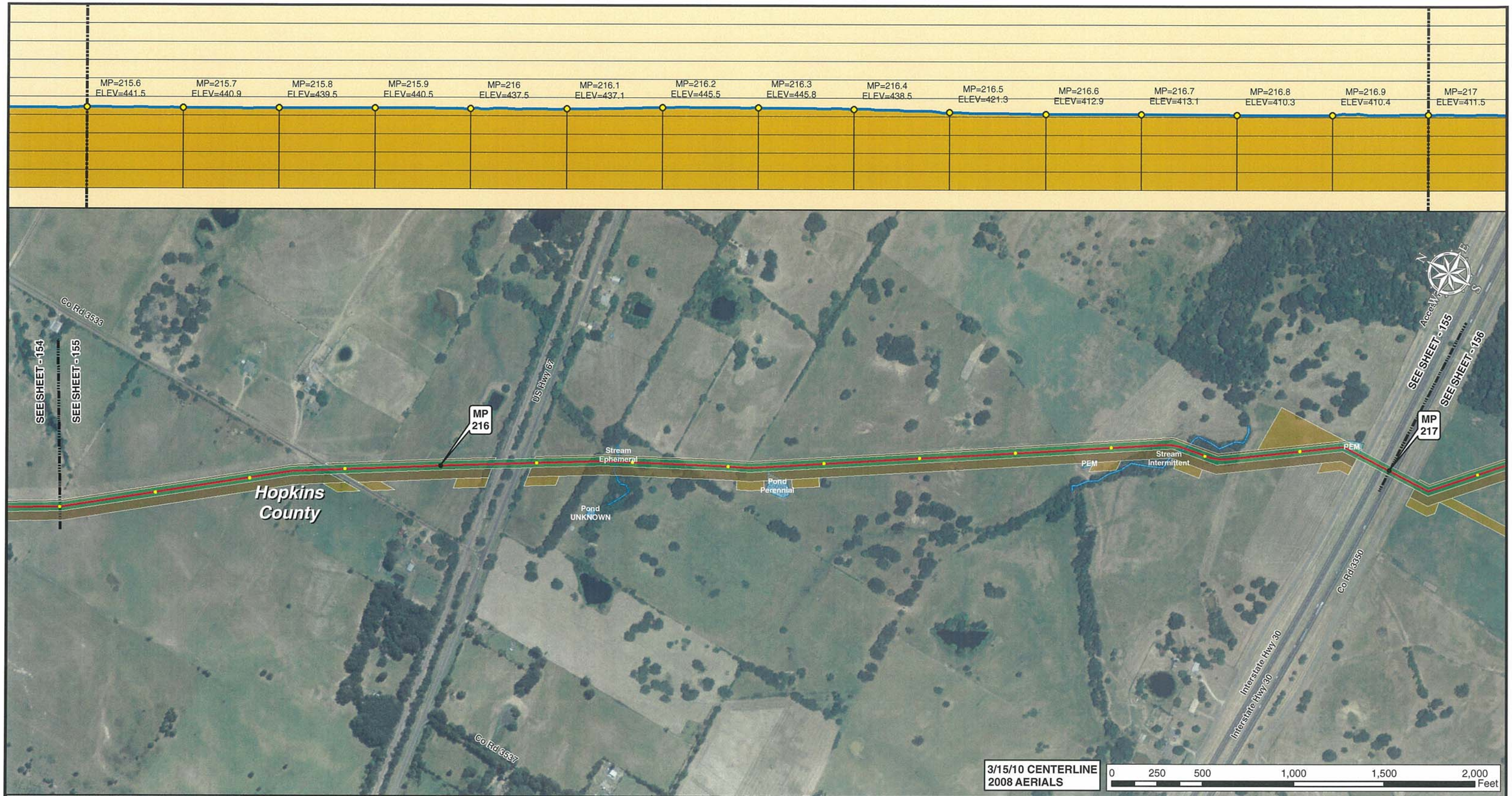
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

HOPKINS COUNTY, TEXAS

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

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

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-154 -A	154	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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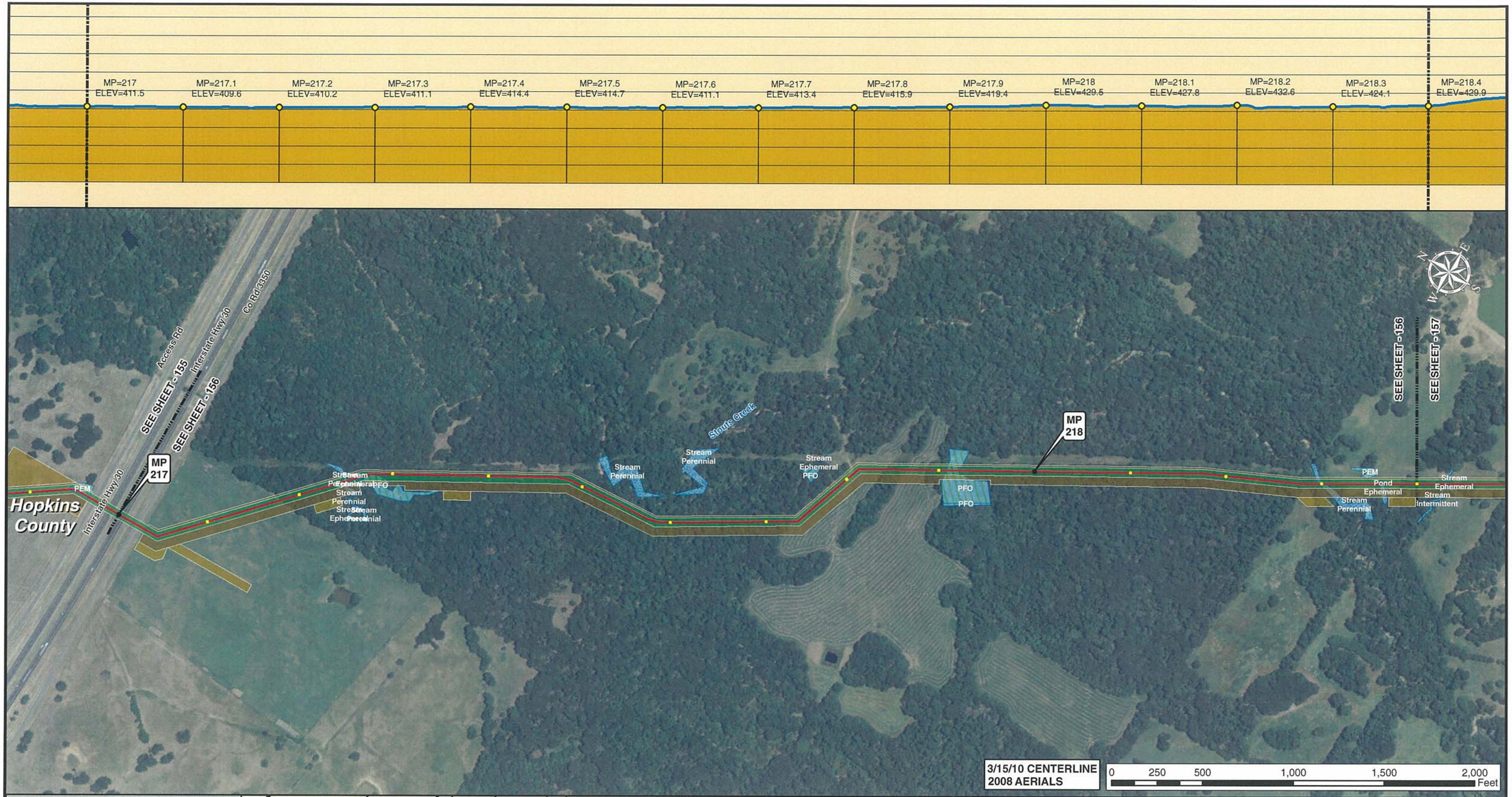
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

HOPKINS COUNTY, TEXAS

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-48-ML-2002-P-155 -A	155	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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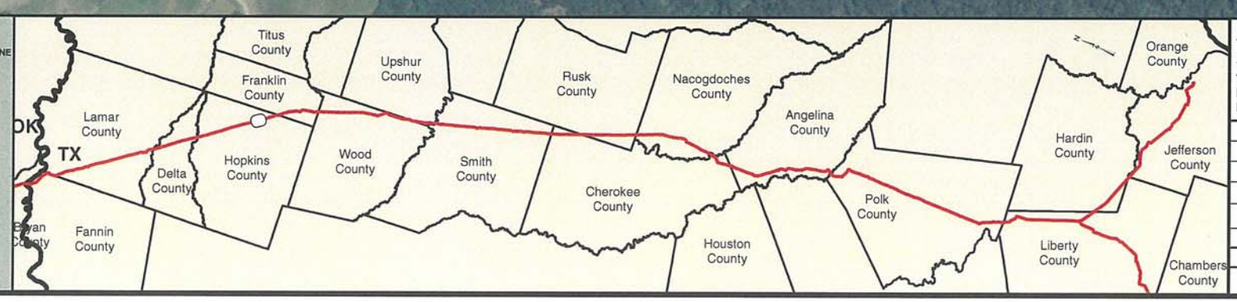
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

HOPKINS COUNTY, TEXAS

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-48-ML-2002-P-156 -A	156	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
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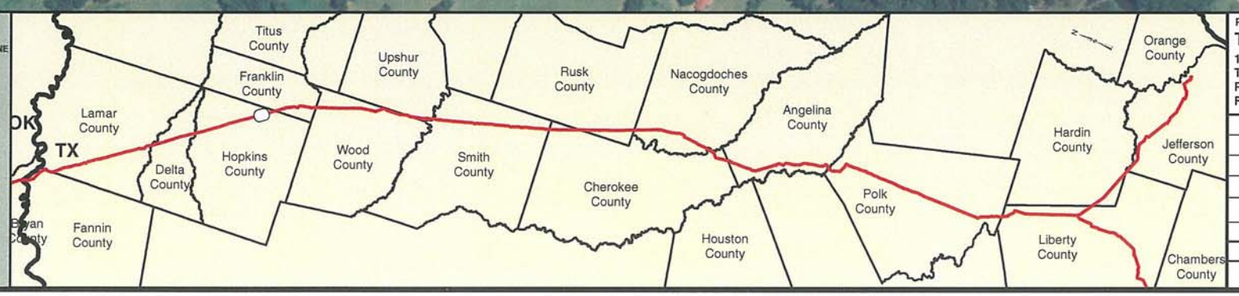
- COUNTY LINE
- SECTION LINE



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CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

HOPKINS COUNTY, TEXAS

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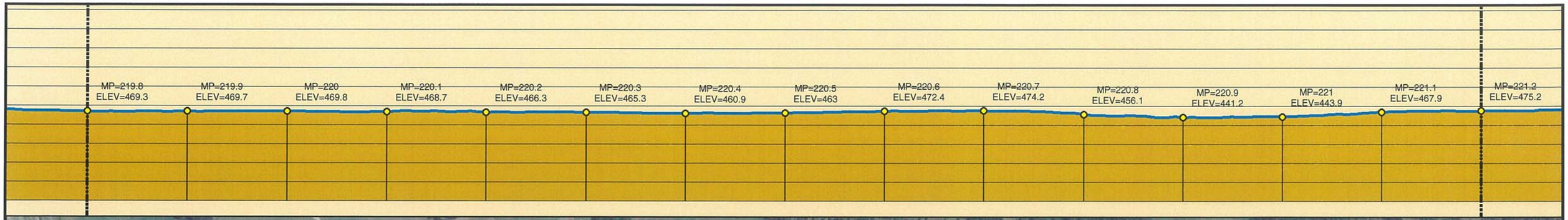
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-157 -A	157	2

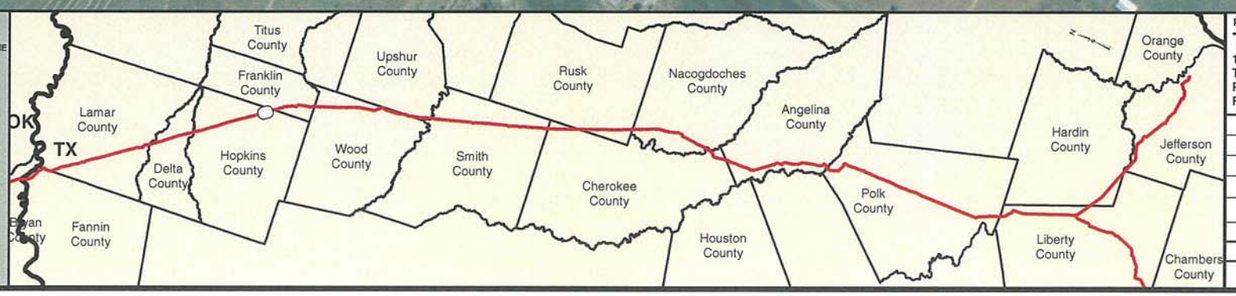


3/15/10 CENTERLINE
2008 AERIALS

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

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 SISING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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HOPKINS COUNTY, TEXAS

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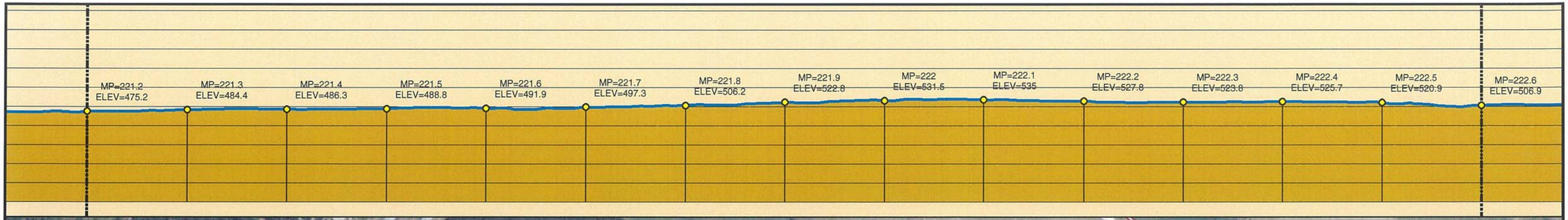
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-158 -A	158	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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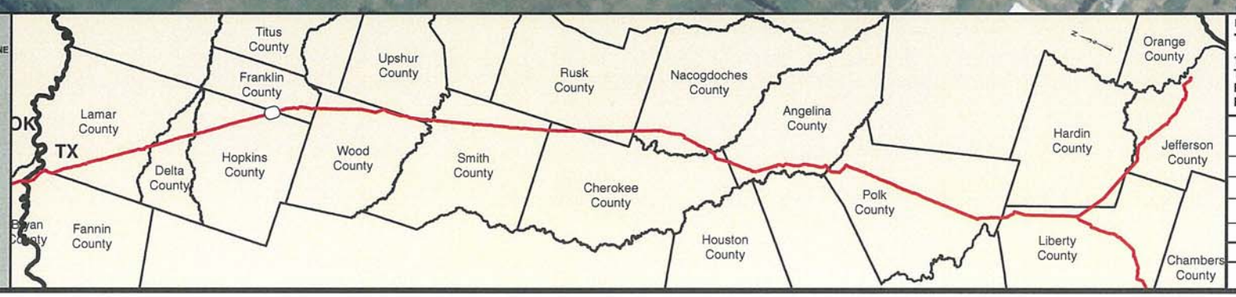
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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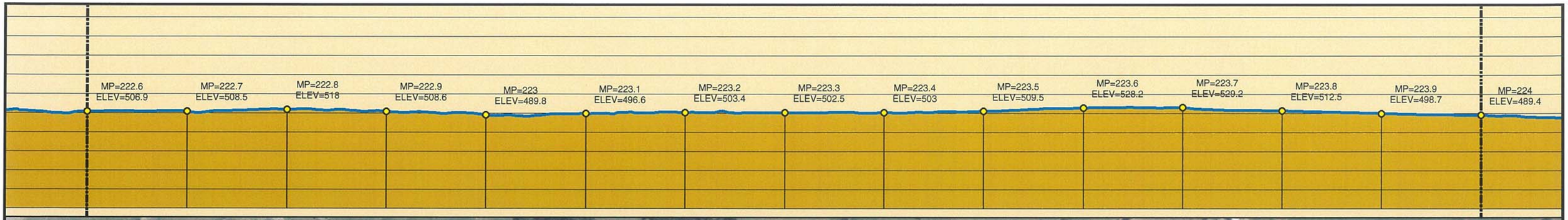
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

HOPKINS COUNTY, TEXAS

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-48-ML-2002-P-159 -A	159	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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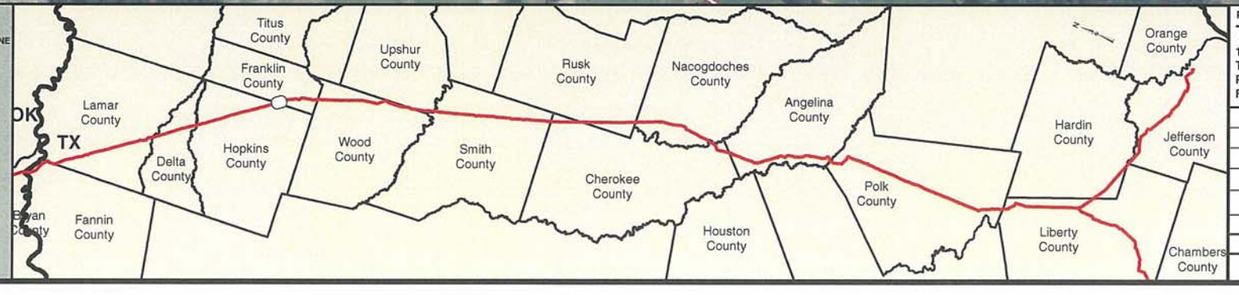
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

FRANKLIN COUNTY, TEXAS

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
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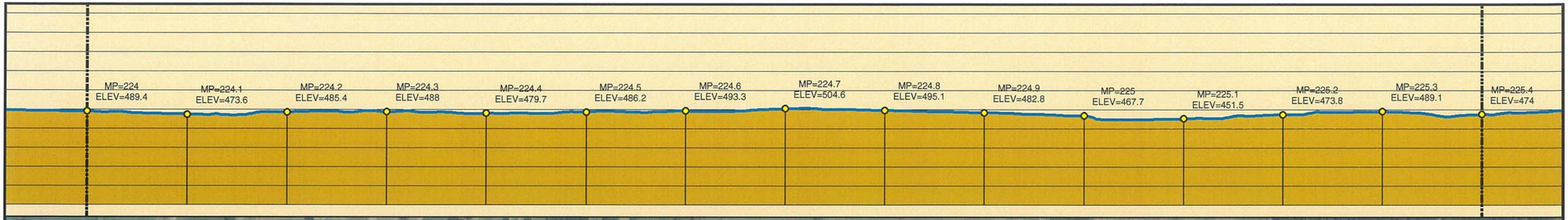
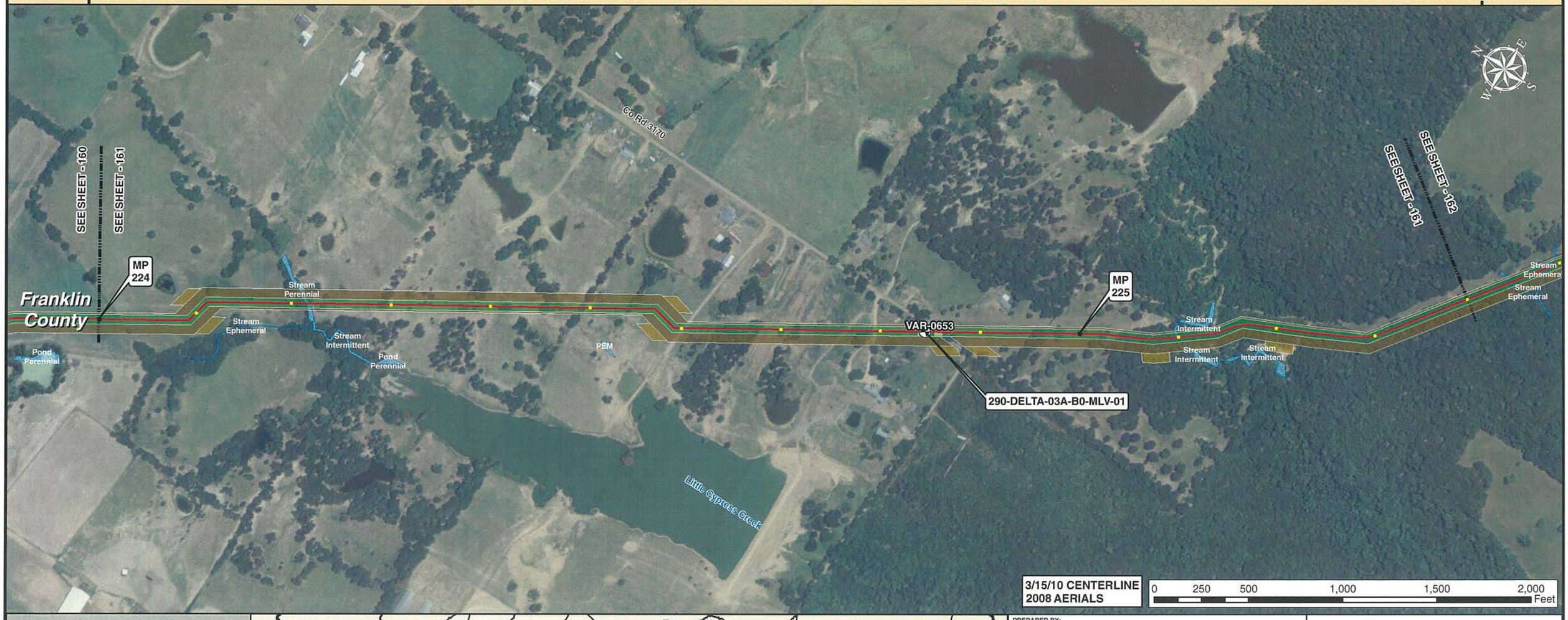
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-160 -A	160	2



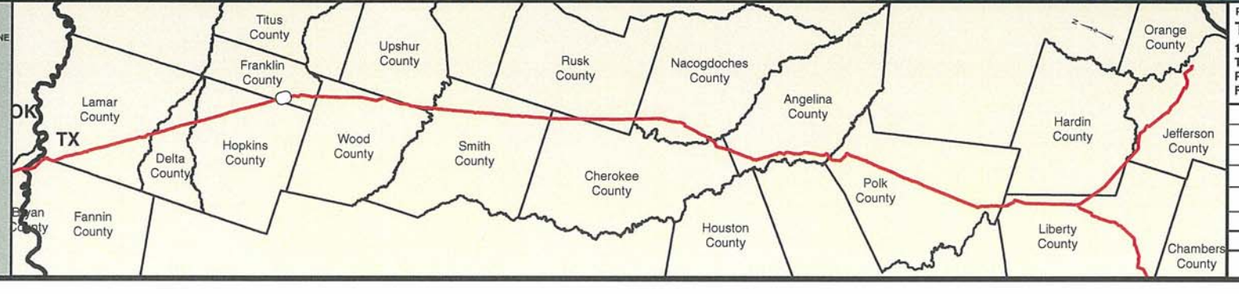


3/15/10 CENTERLINE
2008 AERIALS

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

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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CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

FRANKLIN COUNTY, TEXAS

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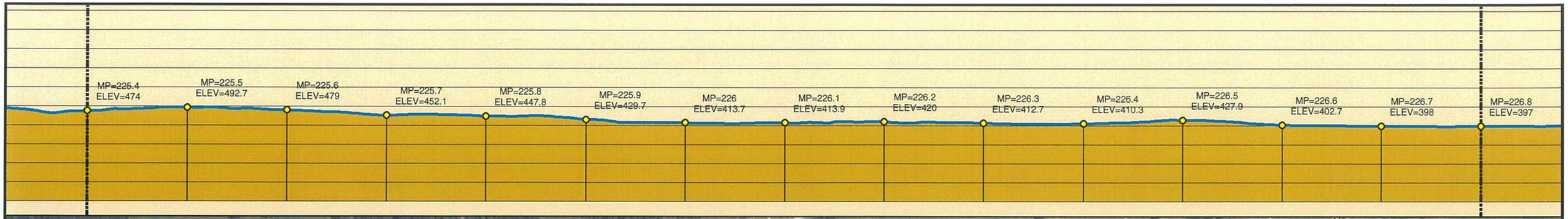
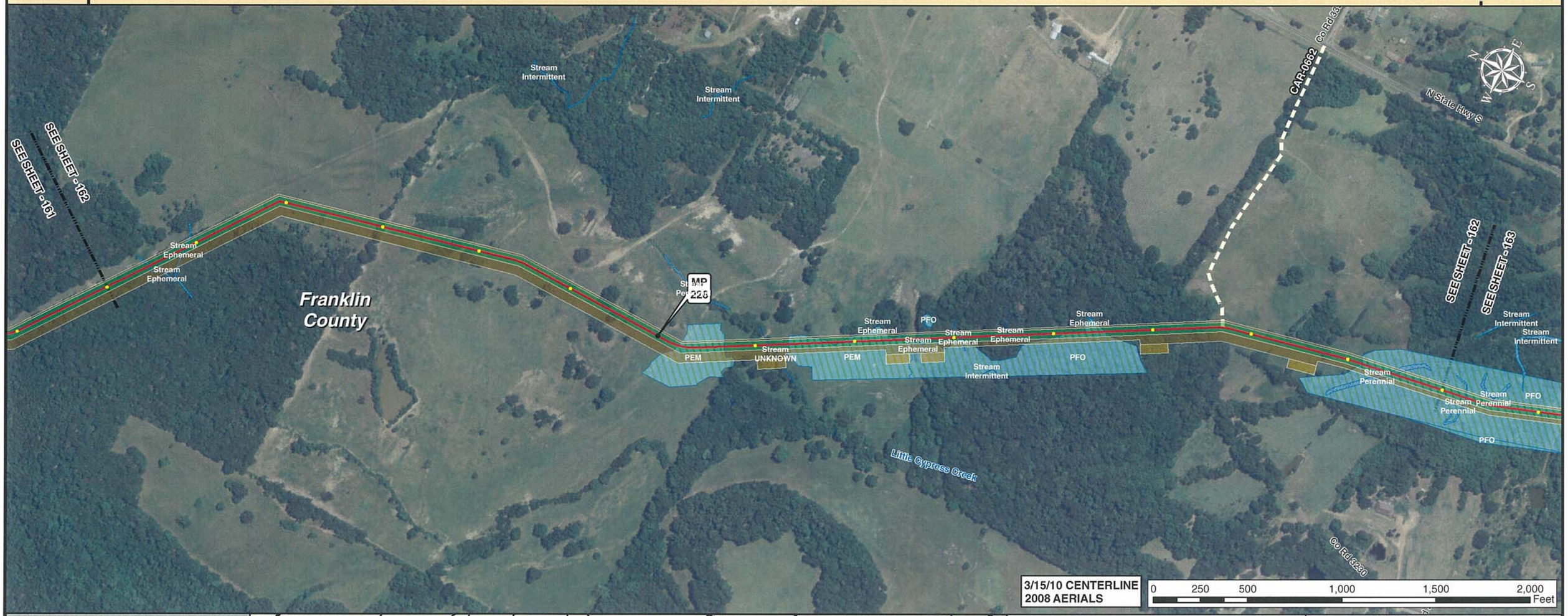
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-161 -A	161	2





Legend

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- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
- ACCESS ROAD
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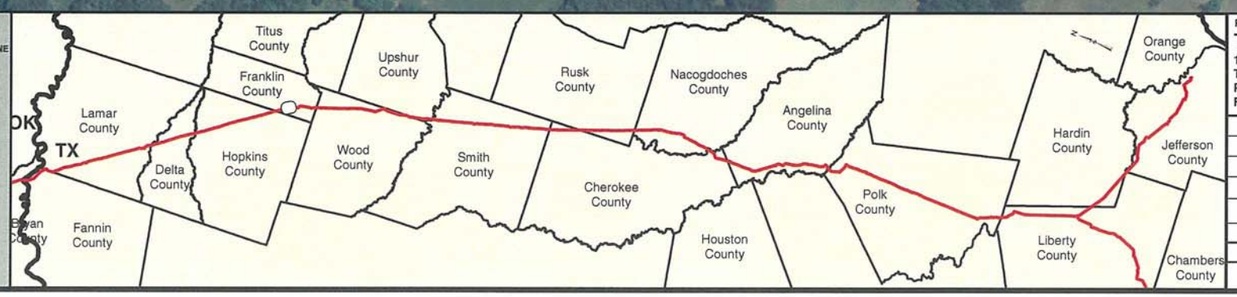
- SECTION LINE



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ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

FRANKLIN COUNTY, TEXAS

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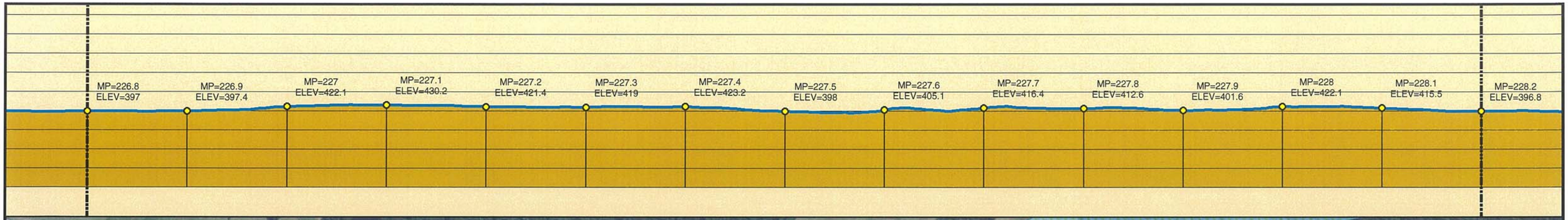
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-162 -A	162	2



Legend

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

FRANKLIN COUNTY, TEXAS

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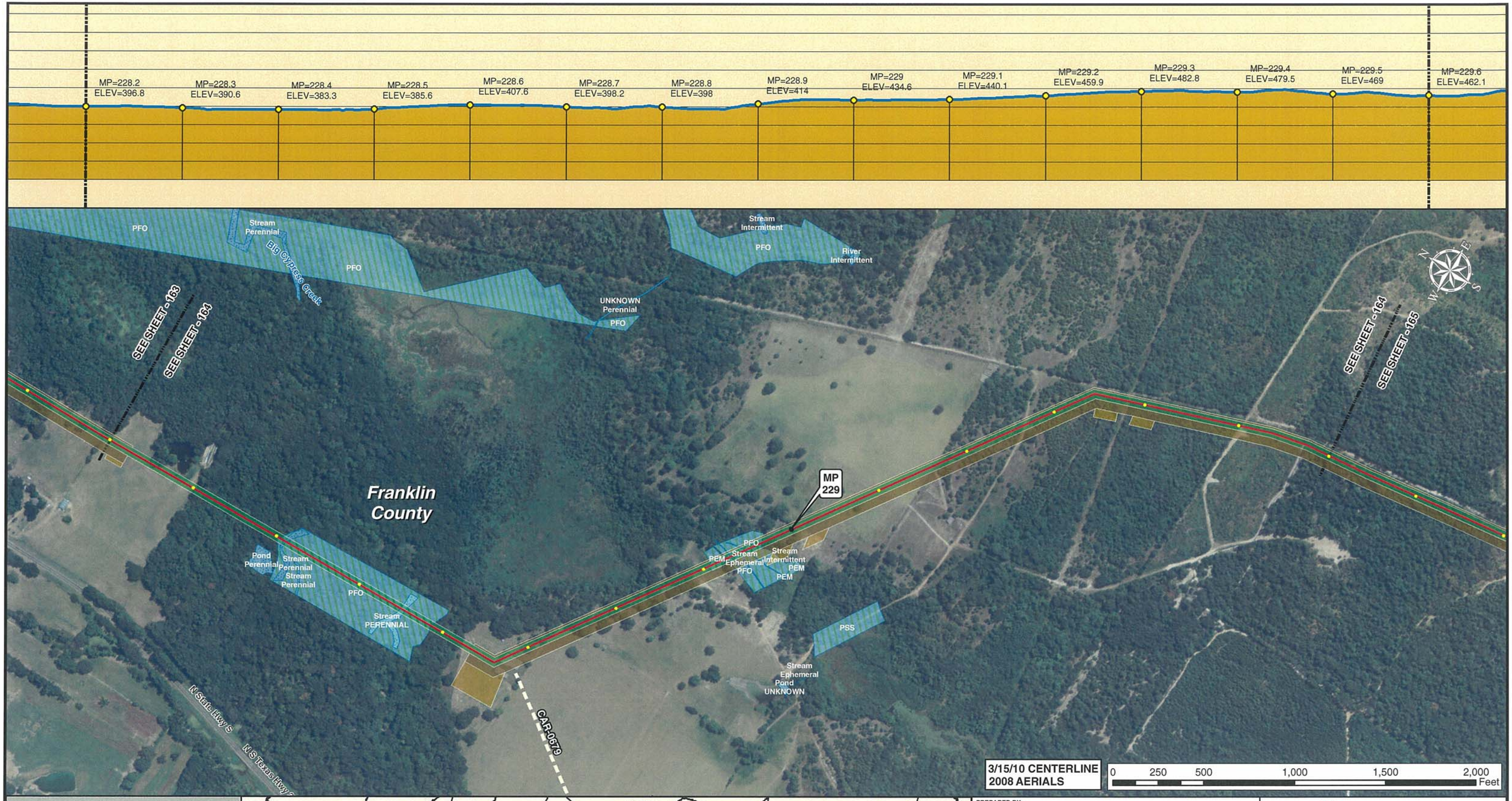
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-163 -A	163	2



Legend

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- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
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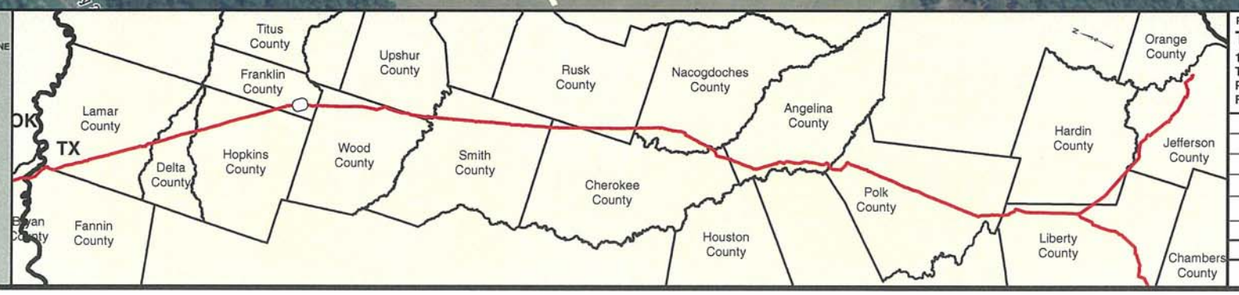

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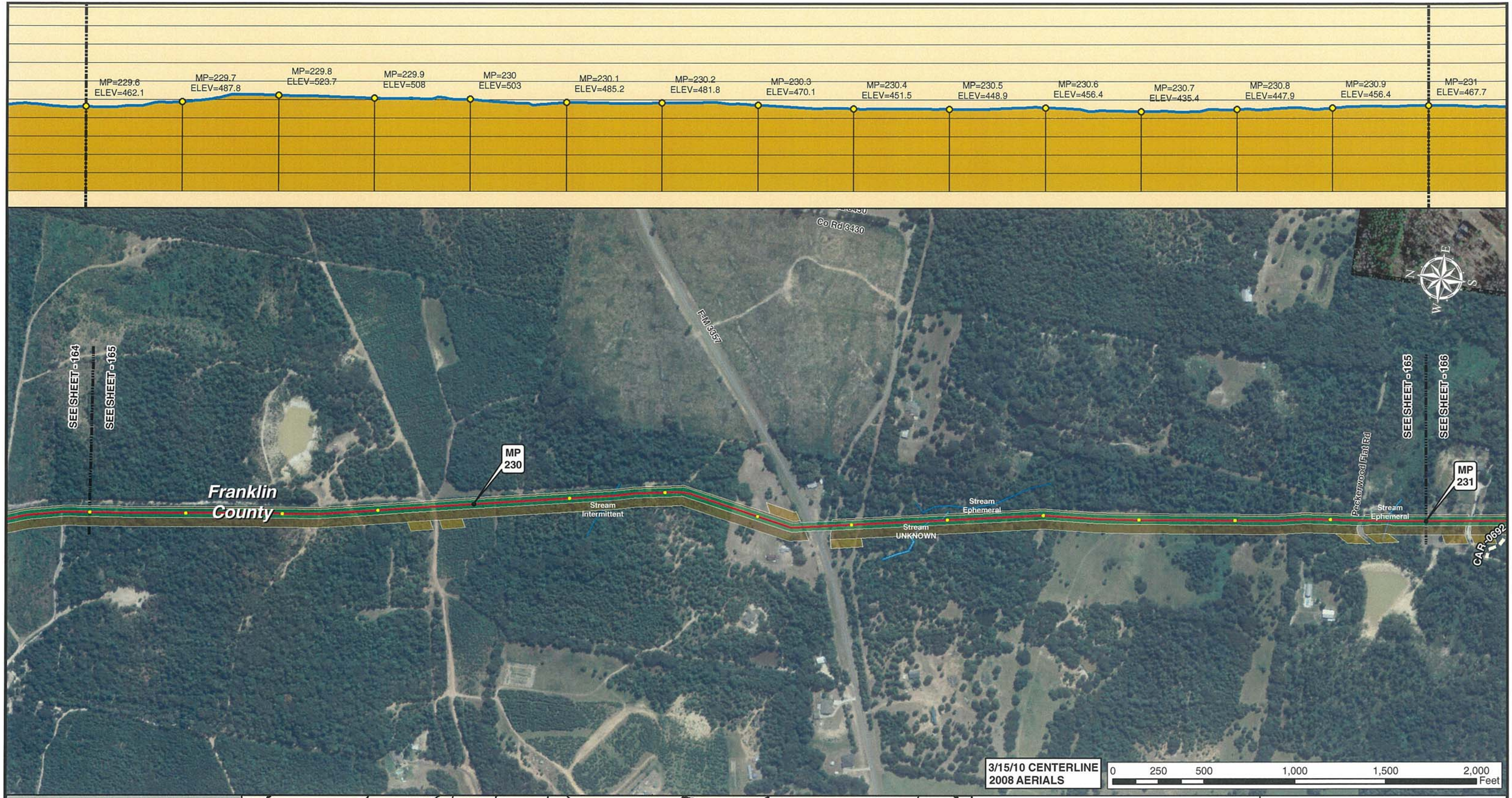
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-164 -A	164	2



Legend

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

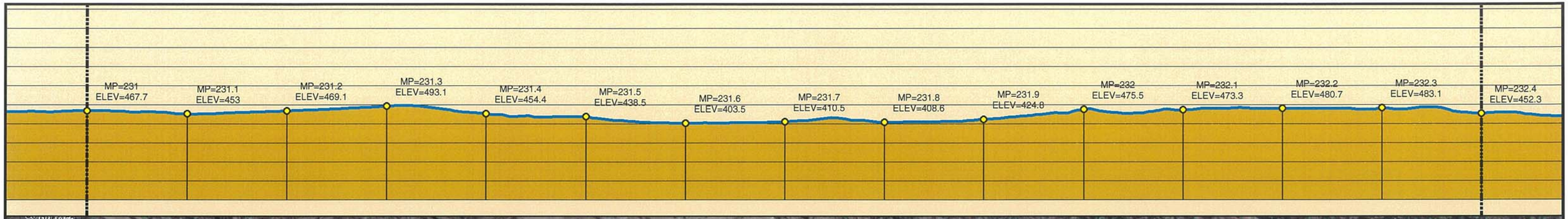
TransCanada
In business to deliver

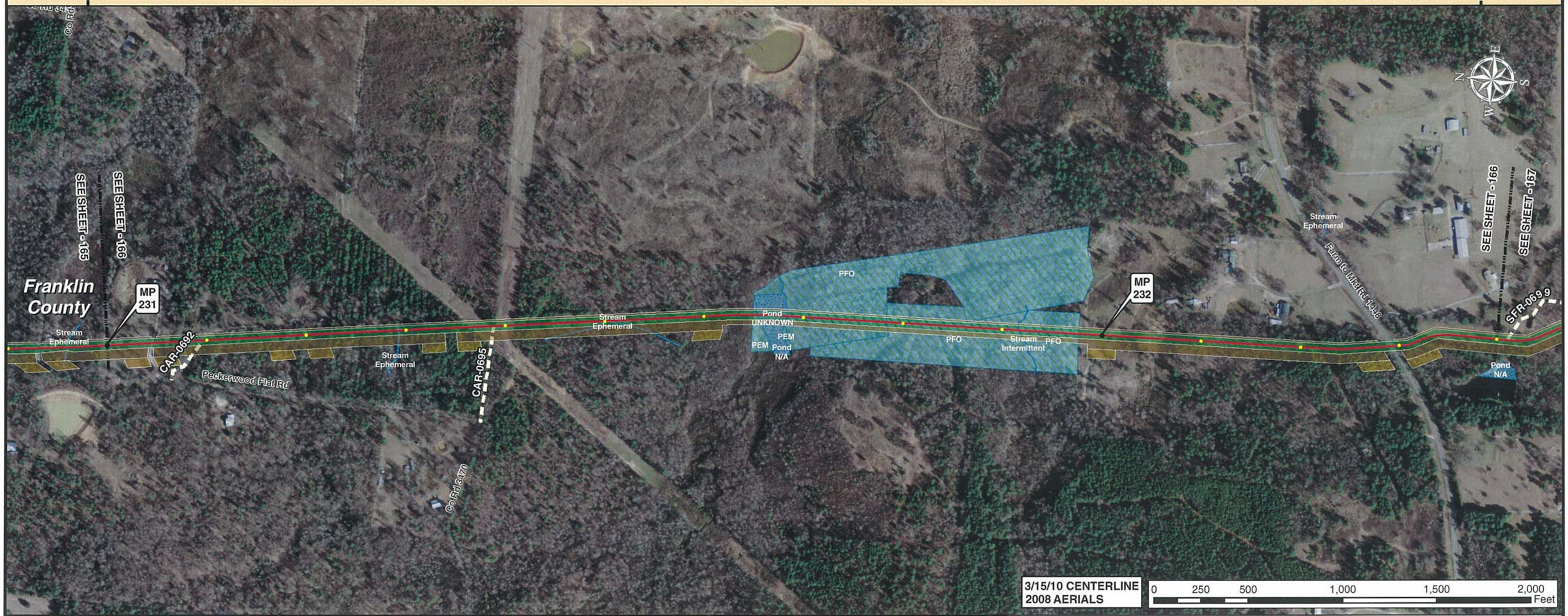
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

FRANKLIN COUNTY, TEXAS

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

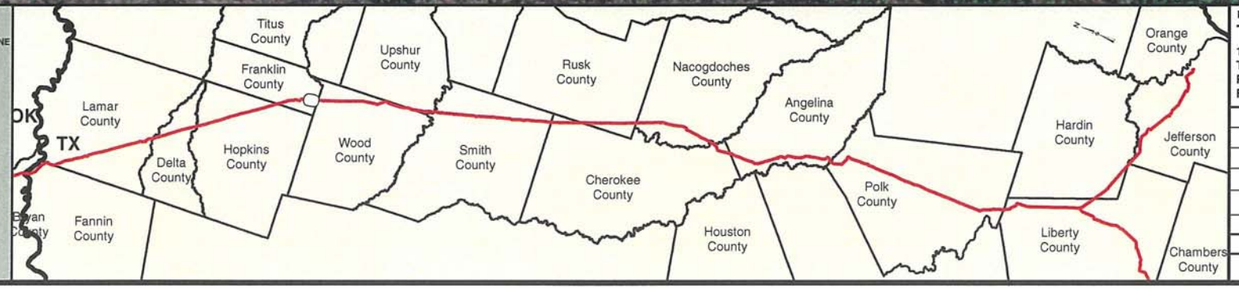
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-165 -A	165	2





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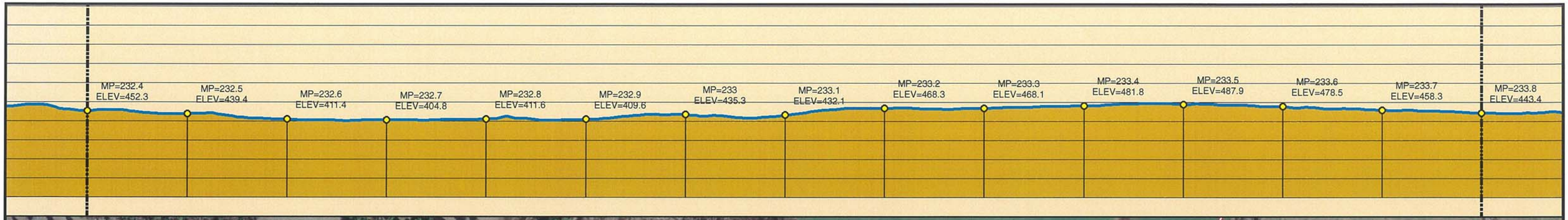
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

FRANKLIN COUNTY, TEXAS

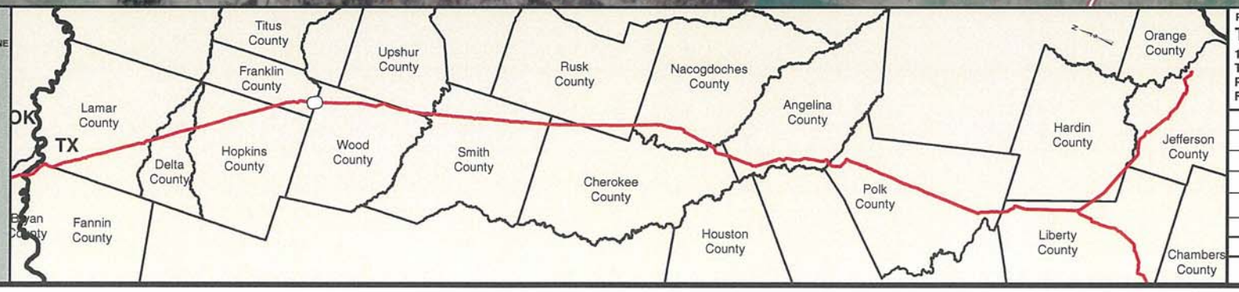
MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-166 -A	166	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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0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

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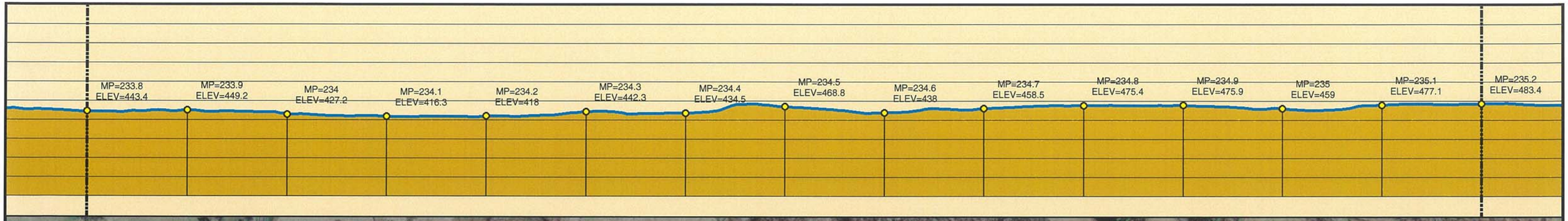
In business to deliver

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

WOOD COUNTY, TEXAS

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-48-ML-2002-P-167 -A	167	2



3/15/10 CENTERLINE
2008 AERIALS

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

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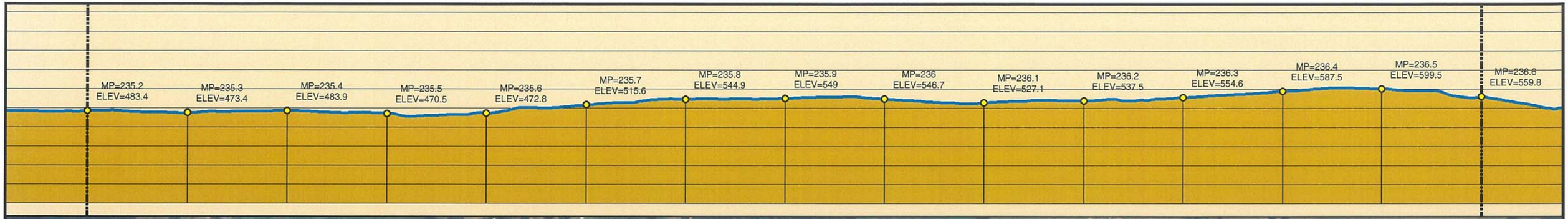
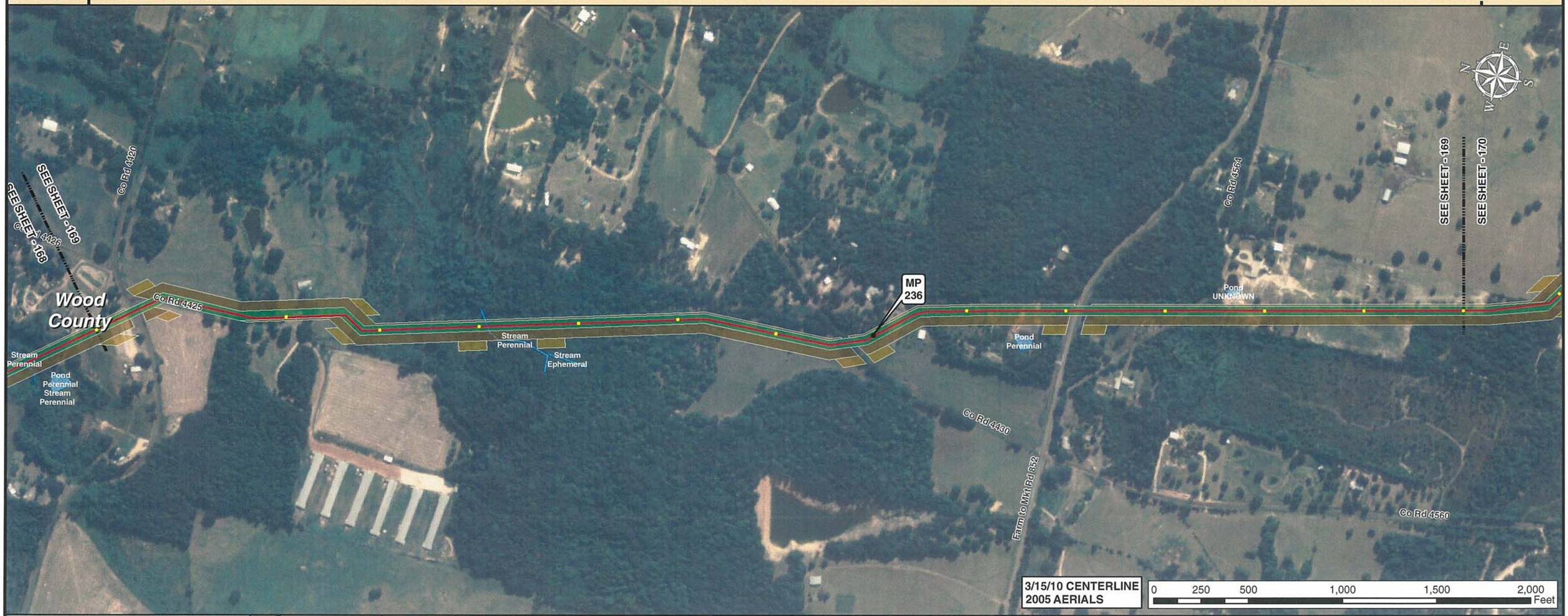
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

WOOD COUNTY, TEXAS

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-48-ML-2002-P-168 -A	168	2





Legend

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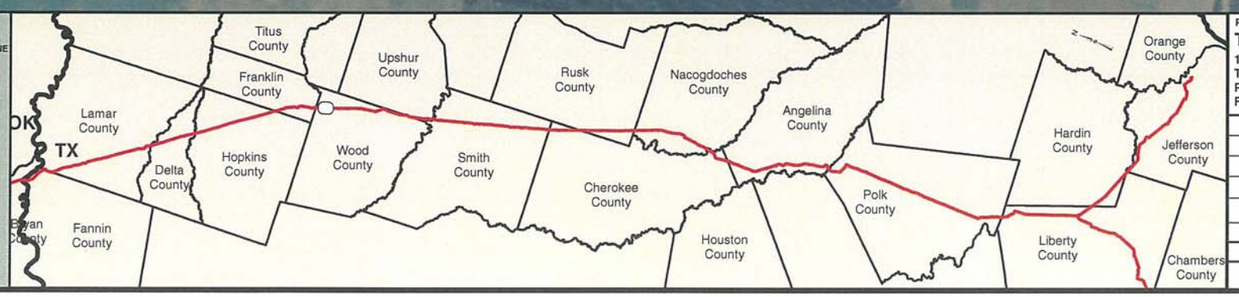
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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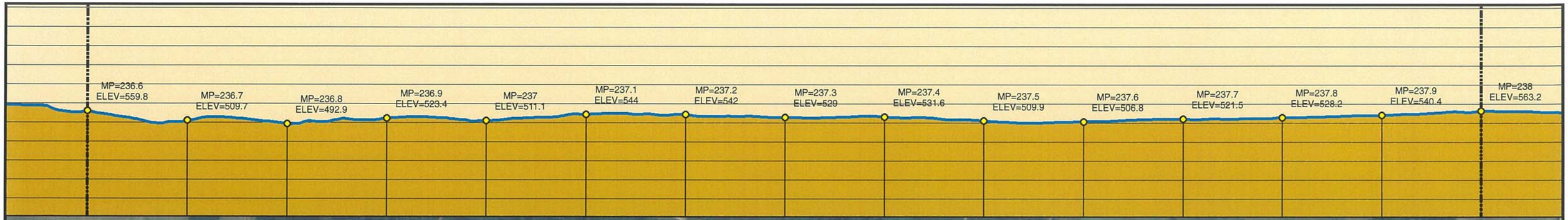
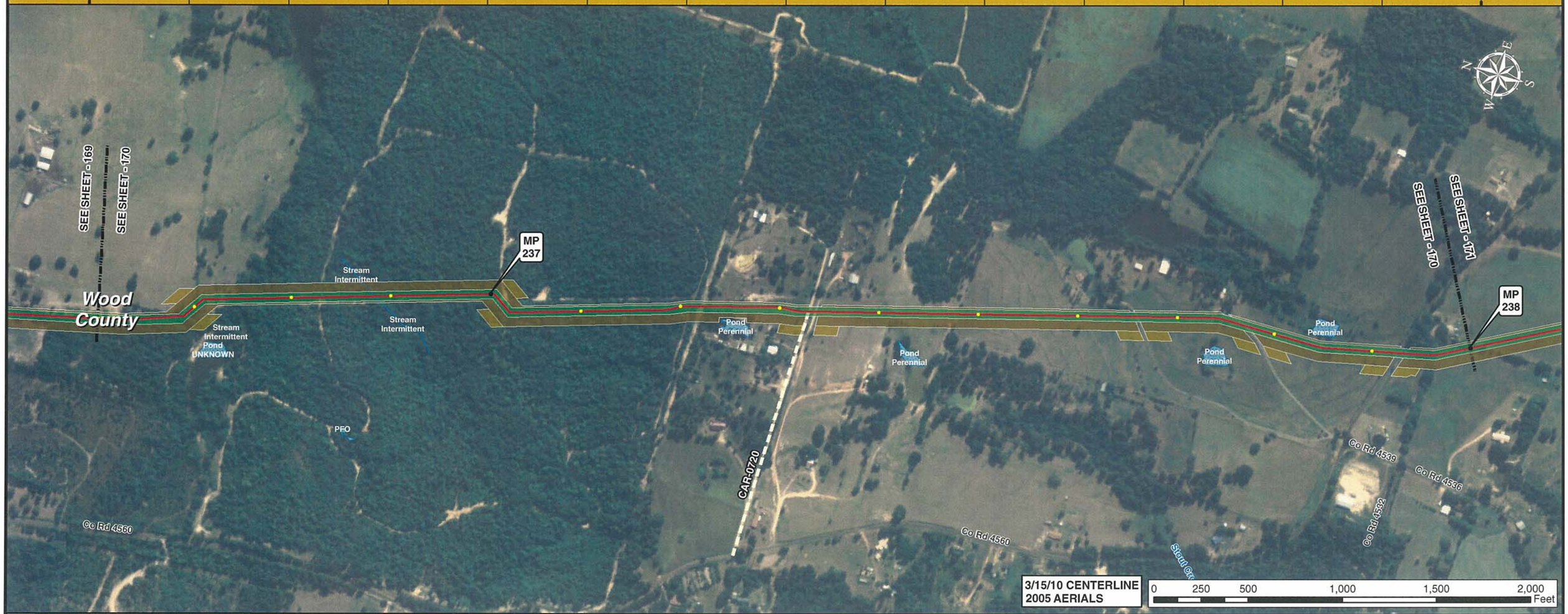
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

WOOD COUNTY, TEXAS

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-48-ML-2002-P-169 -A	169	2





3/15/10 CENTERLINE
2005 AERIALS

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

Legend

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

WOOD COUNTY, TEXAS

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

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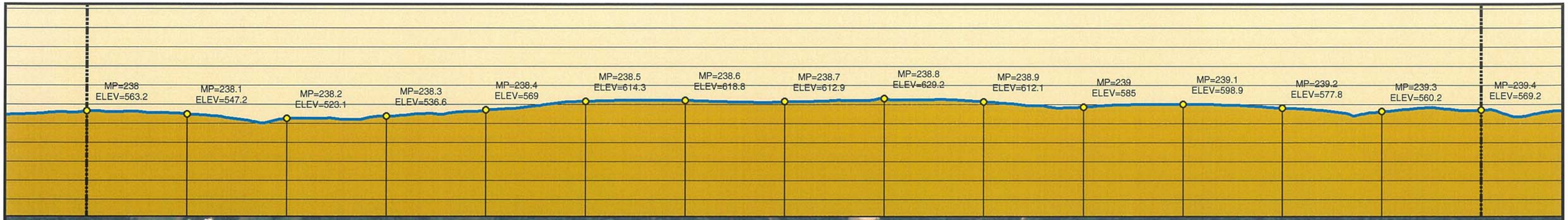
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-170 -A	170	2

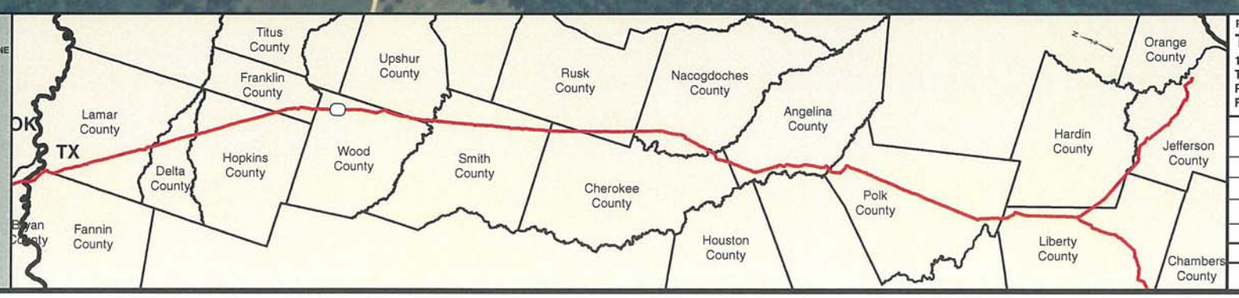


3/15/10 CENTERLINE
2005 AERIALS

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

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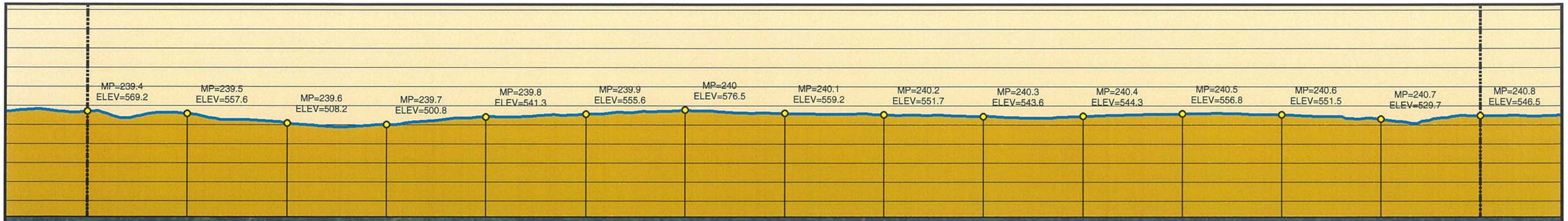
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

WOOD COUNTY, TEXAS

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-48-ML-2002-P-171 -A	171	2



3/15/10 CENTERLINE
2005 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
- ACCESS ROAD
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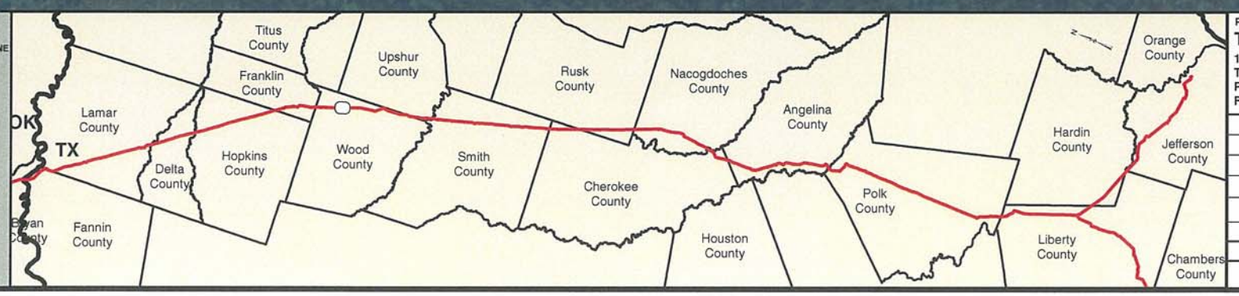
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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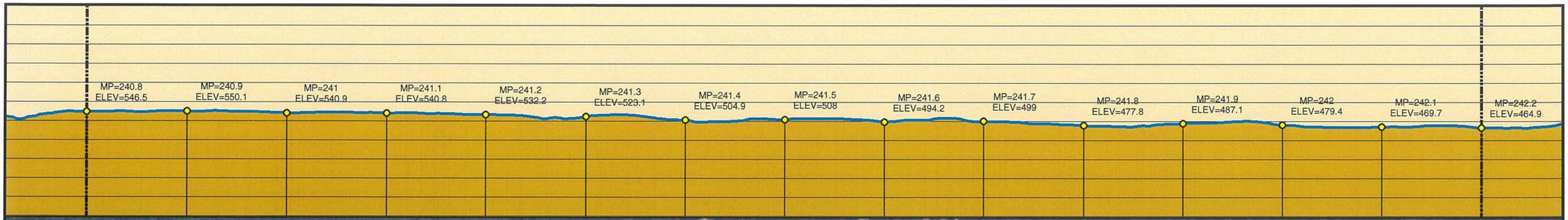
In business to deliver

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

WOOD COUNTY, TEXAS

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-48-ML-2002-P-172 -A	172	2



3/15/10 CENTERLINE
2005 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
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- RAILROAD SIDING
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- COUNTY LINE
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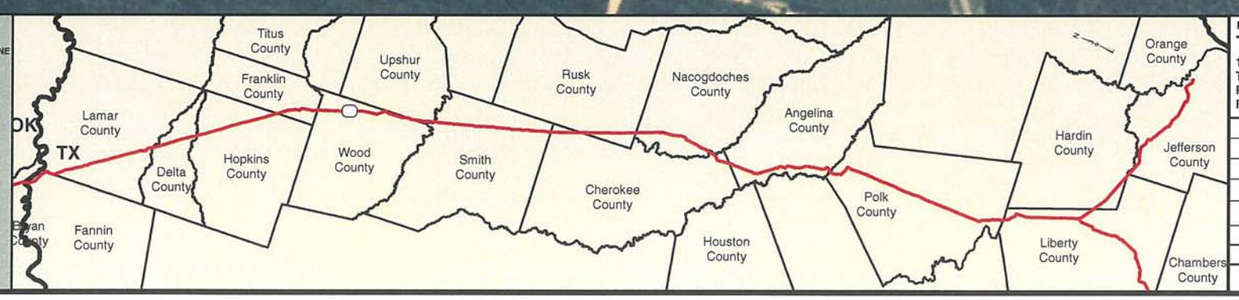

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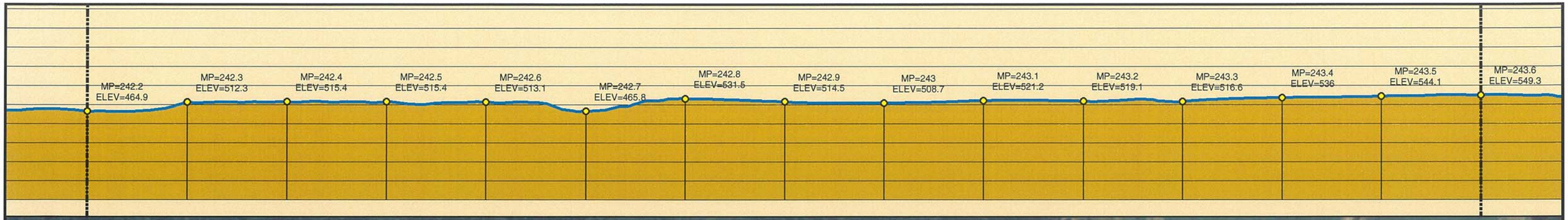
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
WOOD COUNTY, TEXAS

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-48-ML-2002-P-173 -A	173	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
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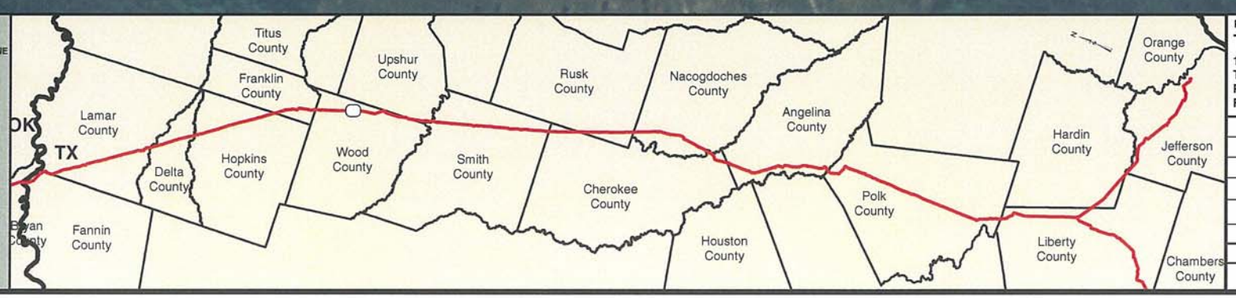
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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TransCanada
In business to deliver

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

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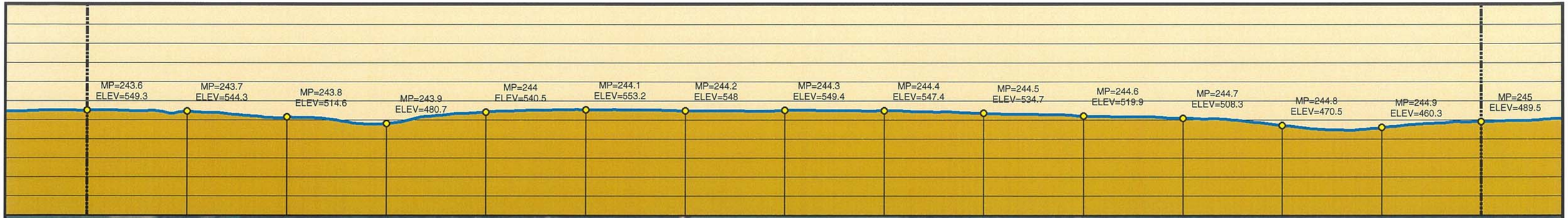
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-174 -A	174	2



3/15/10 CENTERLINE
2005 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
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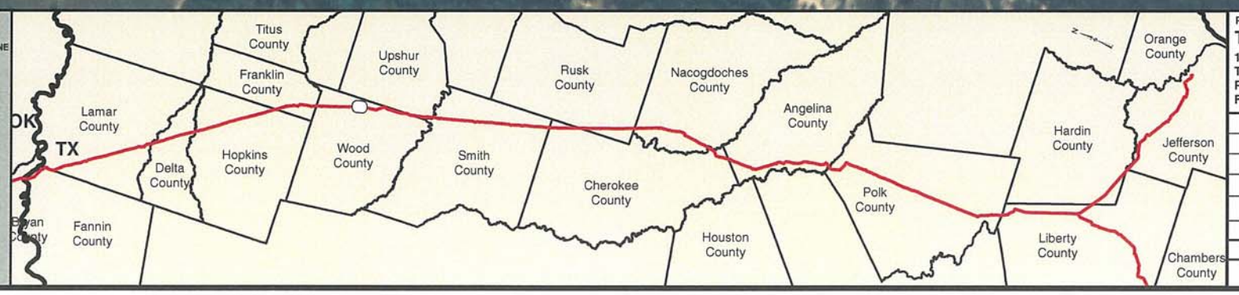
- COUNTY LINE
- SECTION LINE



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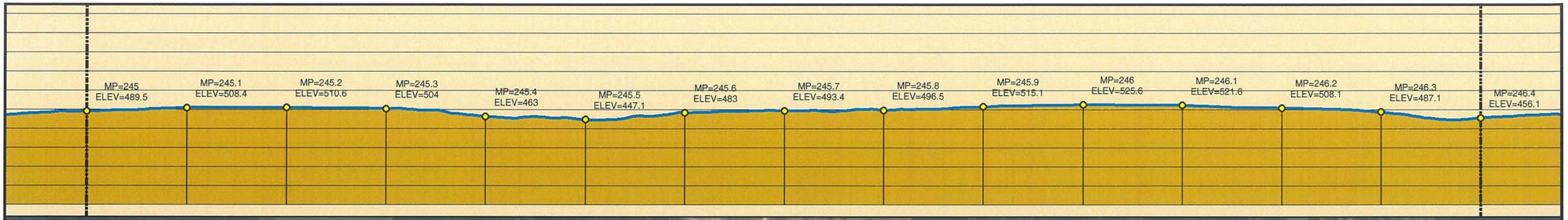
NO.	REVISION	DATE
2	ISSUED FOR DEIS COMMENT SUBMITTAL TO U.S. DEPT. OF STATE (3.15.10 CL)	5.19.10
1	ISSUED FOR SUPPLEMENTAL U.S. DEPT. OF STATE FILING (2.19.09 CL)	7.6.09
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

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

WOOD COUNTY, TEXAS

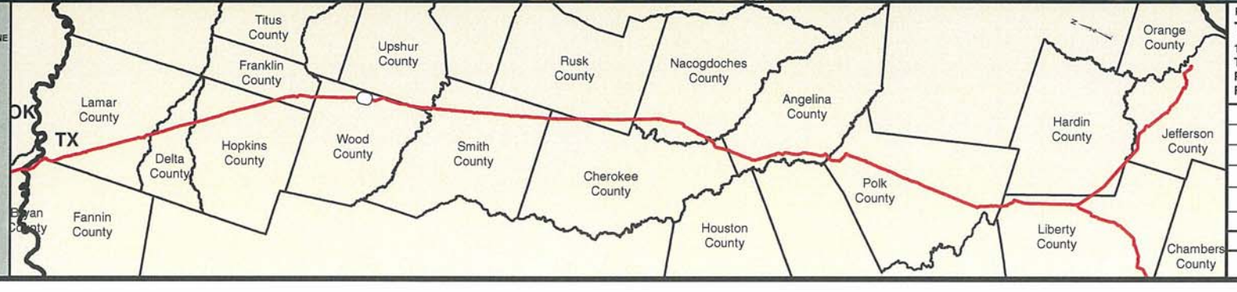
MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-175 -A	175	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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ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

WOOD COUNTY, TEXAS

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

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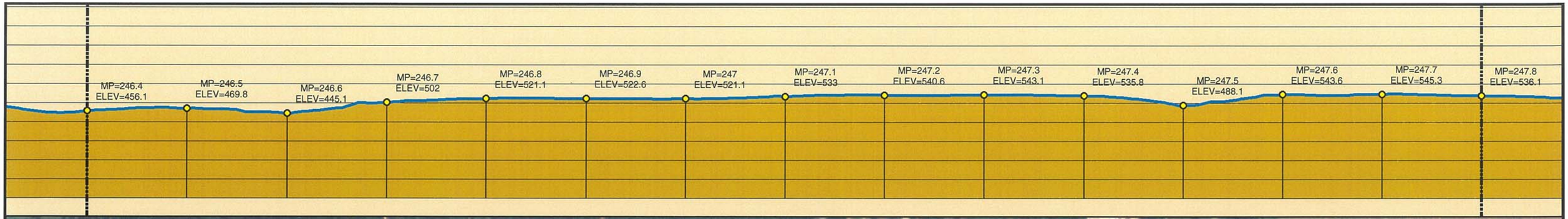
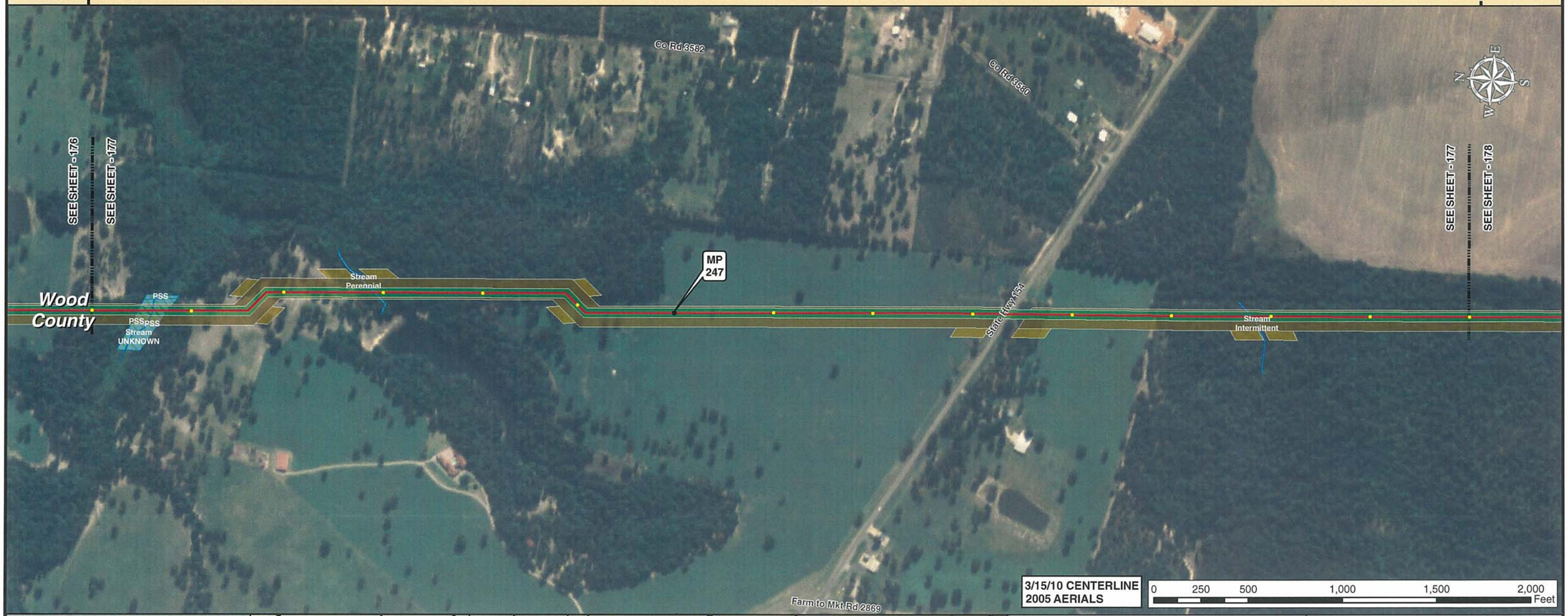
GS	SS	RG	50388X	XL-48-ML-2002-P-176 -A	176	2



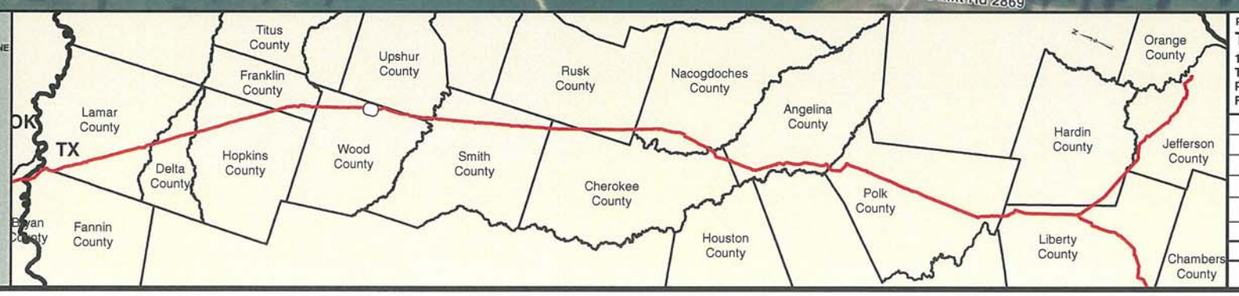


3/15/10 CENTERLINE
2005 AERIALS

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

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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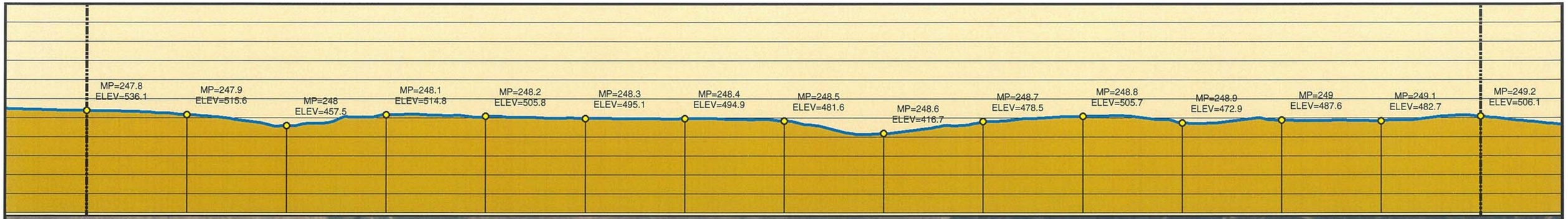
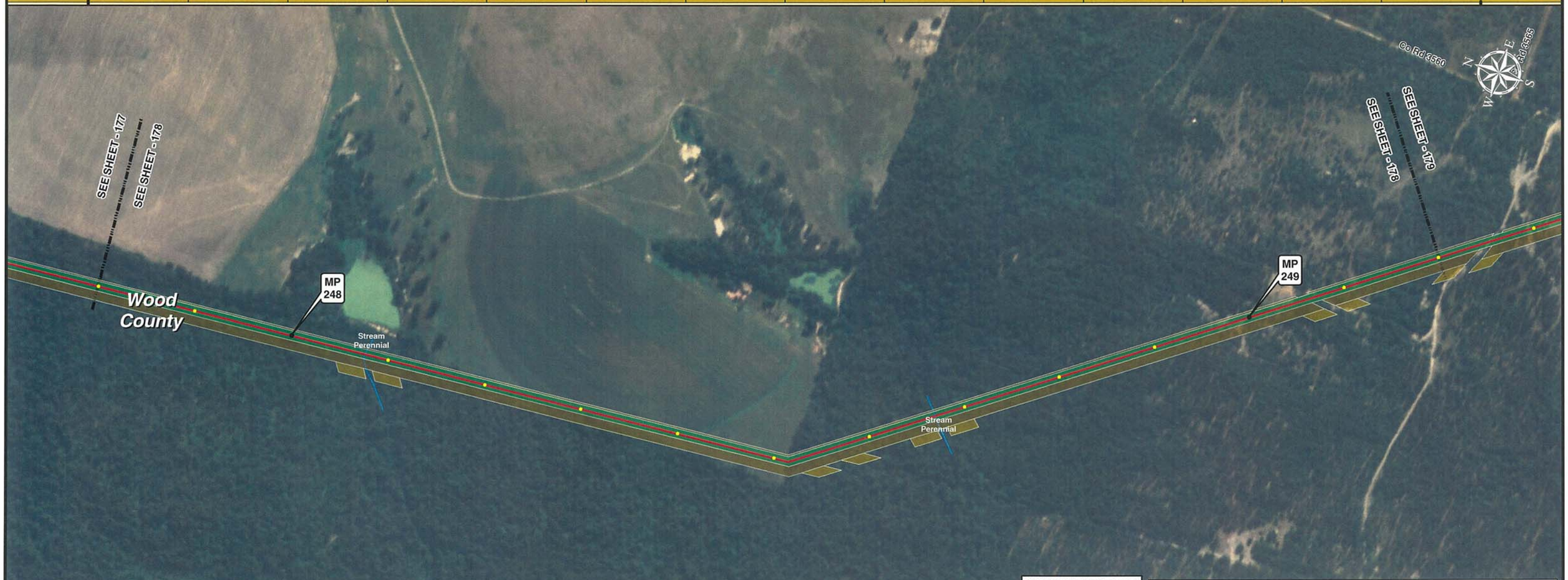
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

WOOD COUNTY, TEXAS

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-48-ML-2002-P-177 -A	177	2





3/15/10 CENTERLINE
2005 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
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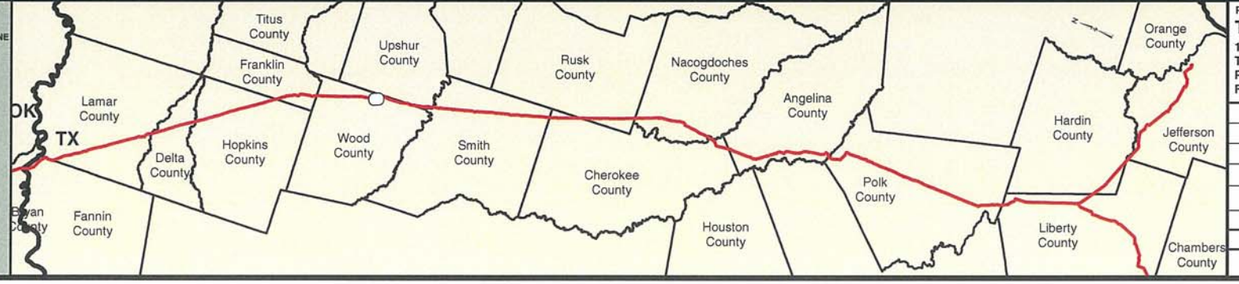
- WETLAND
- COUNTY LINE
- SECTION LINE



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

WOOD COUNTY, TEXAS

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

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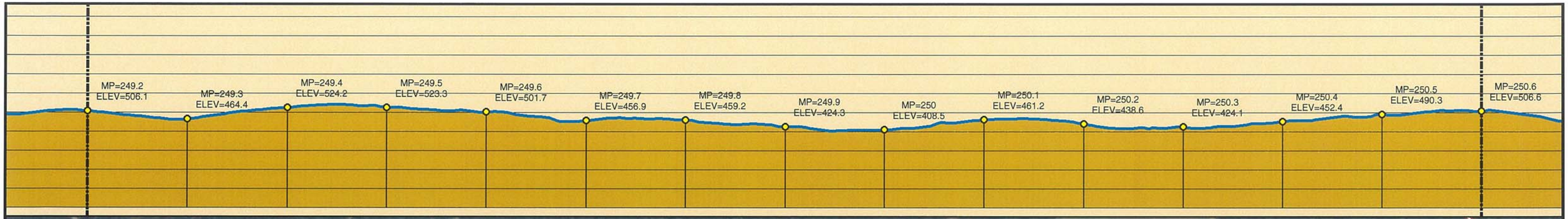
GS	SS	RG	50388X	XL-48-ML-2002-P-178 -A	178	2



3/15/10 CENTERLINE
2005 AERIALS

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

Legend

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- 0.1 MILE TICK MARK
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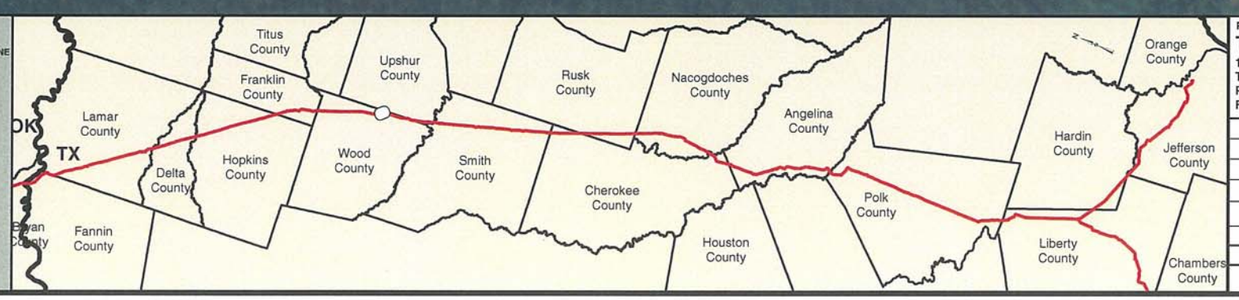
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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WOOD COUNTY, TEXAS

MAP PARAMETERS
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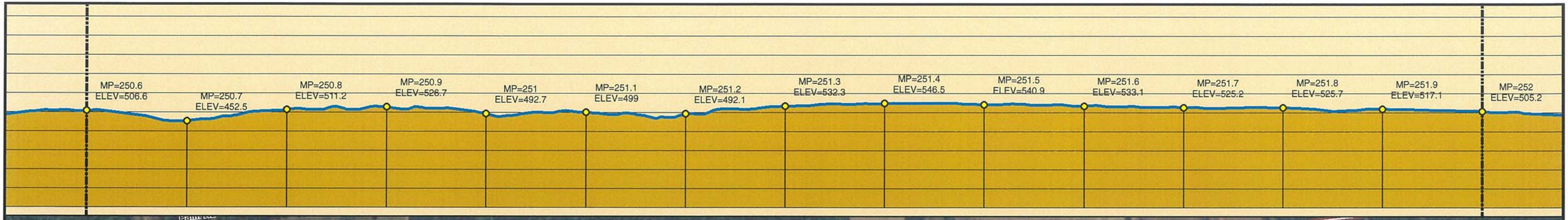
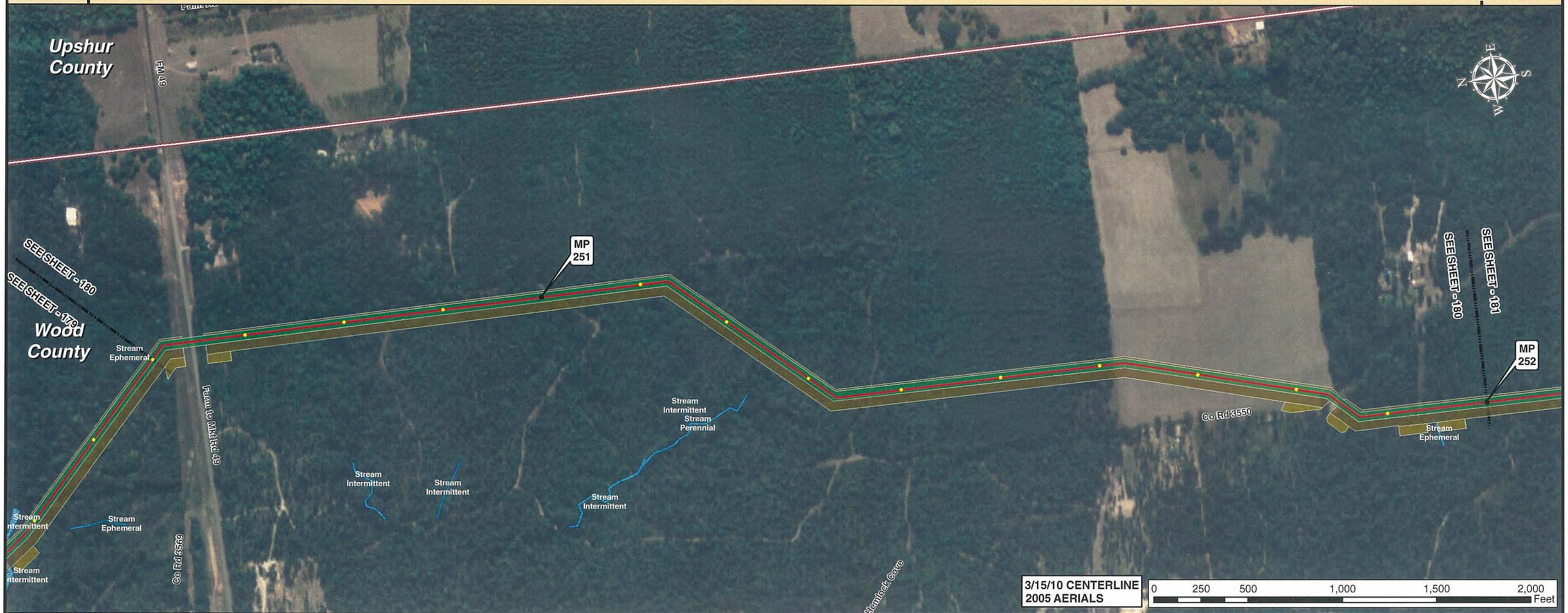
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-179 -A	179	2





3/15/10 CENTERLINE
2005 AERIALS

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

Legend

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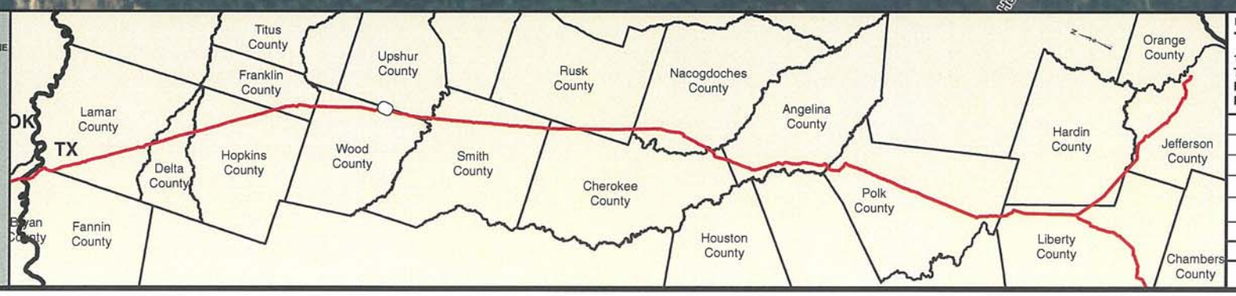
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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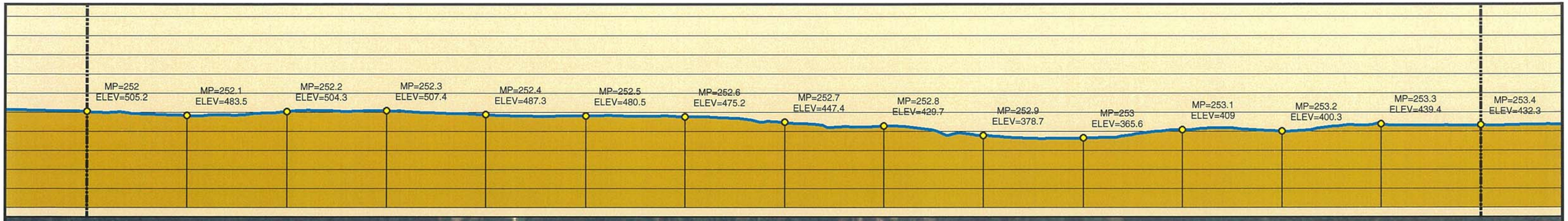
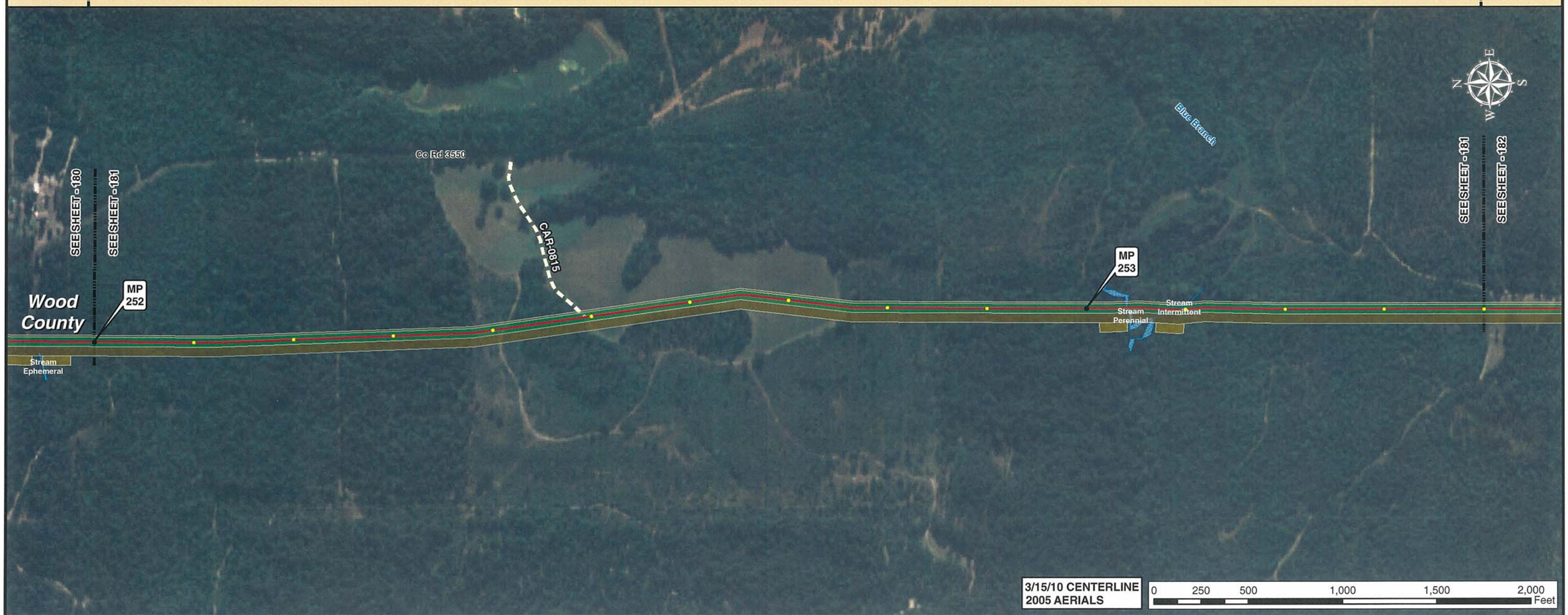
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
WOOD COUNTY, TEXAS

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-48-ML-2002-P-180 -A	180	2





3/15/10 CENTERLINE
2005 AERIALS

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

Legend

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

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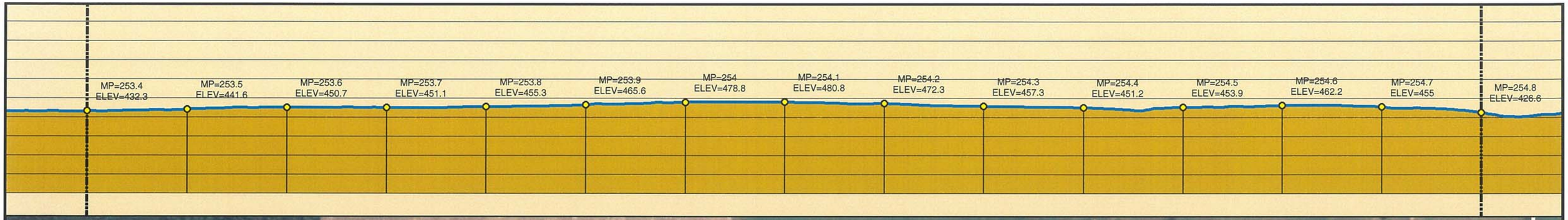
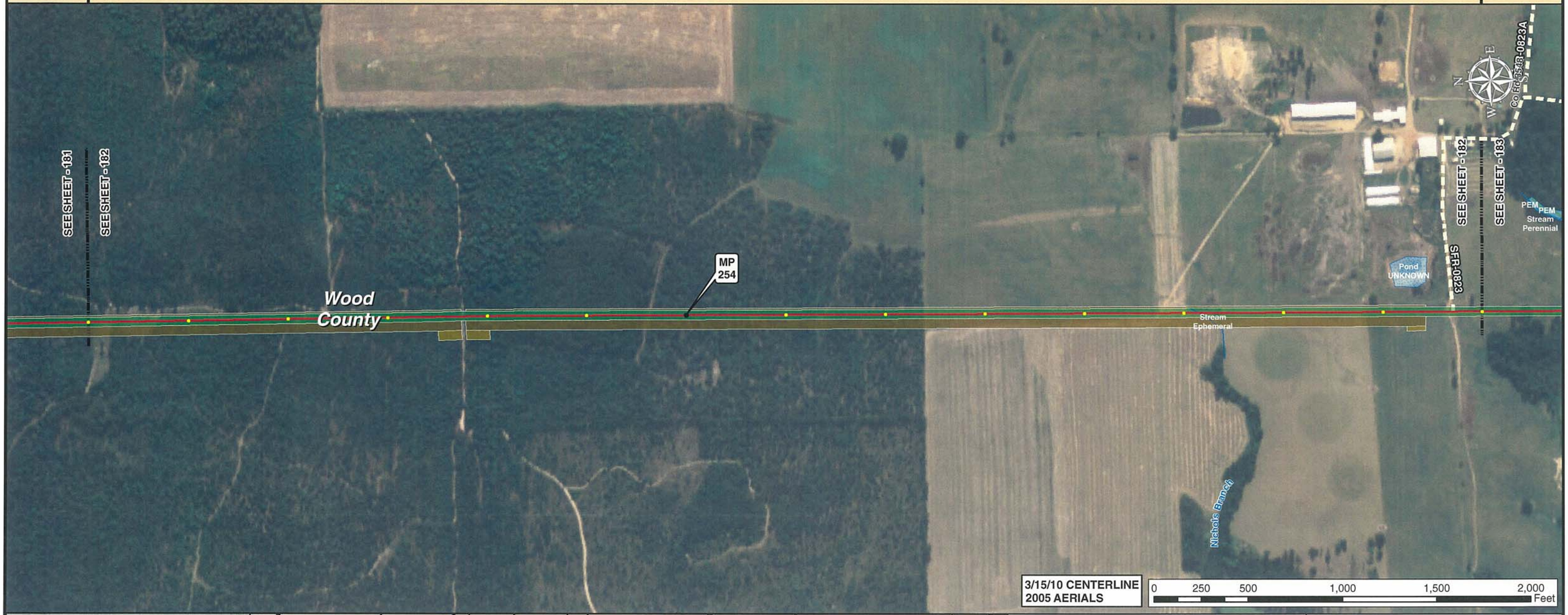
GS	SS	RG	50388X	XL-48-ML-2002-P-181 -A	181	2





Legend

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- VALVE
- KEYSTONE XL PROJECT
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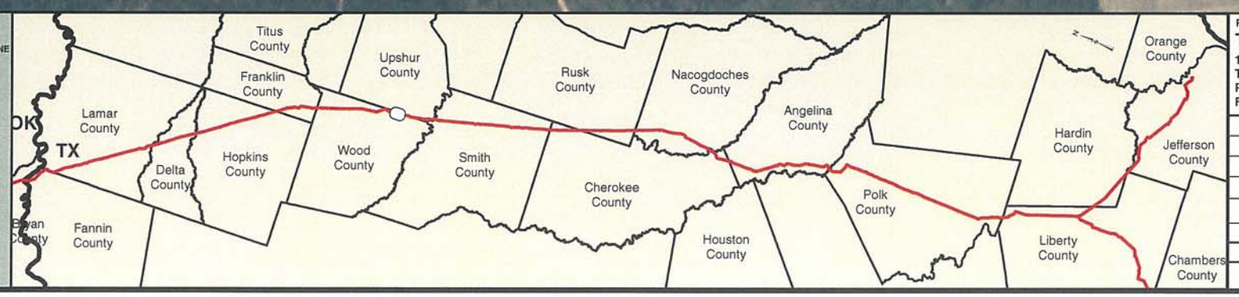

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WOOD COUNTY, TEXAS

MAP PARAMETERS
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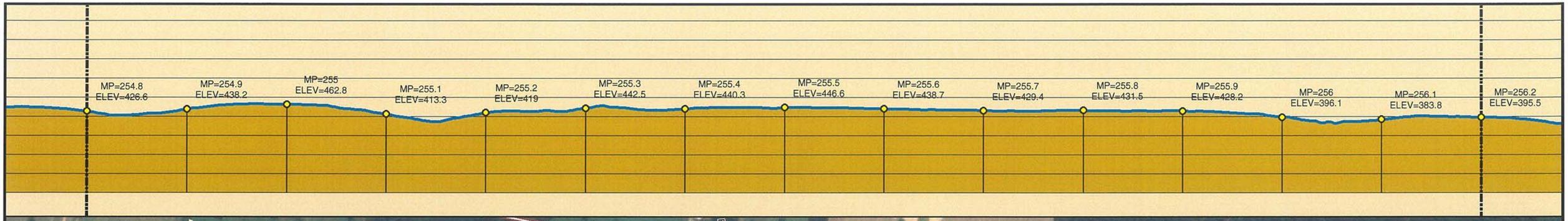
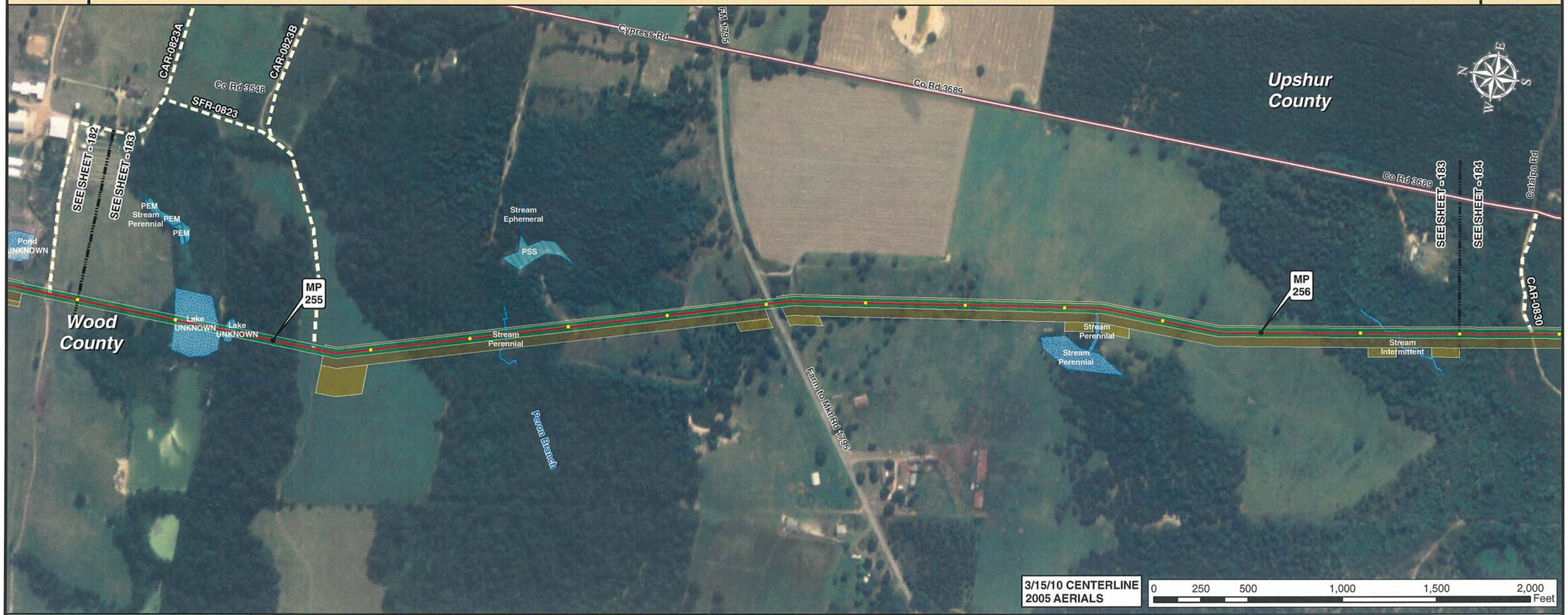
GS	SS	RG	50388X	XL-48-ML-2002-P-182 -A	182	2





Legend

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- VALVE
- KEYSTONE XL PROJECT
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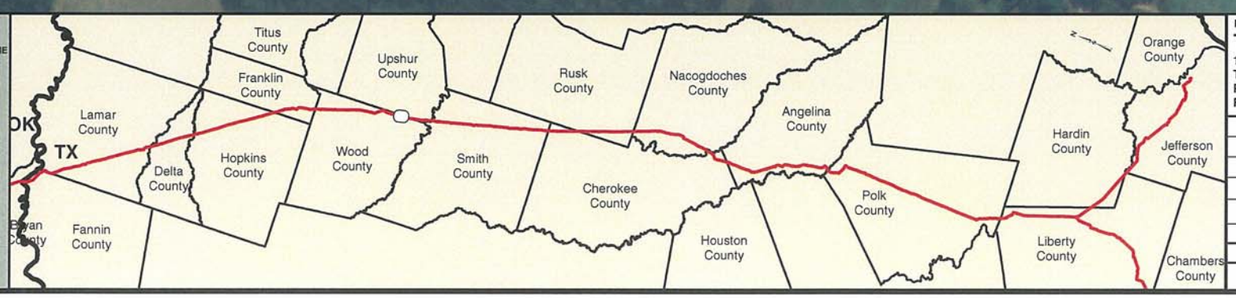

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ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

WOOD COUNTY, TEXAS

MAP PARAMETERS
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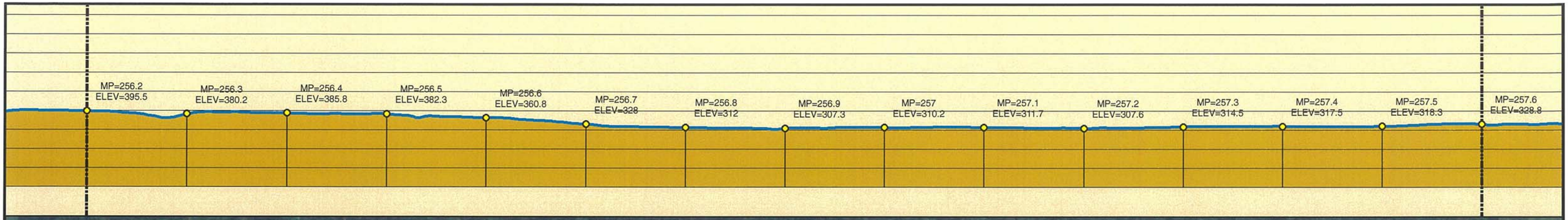
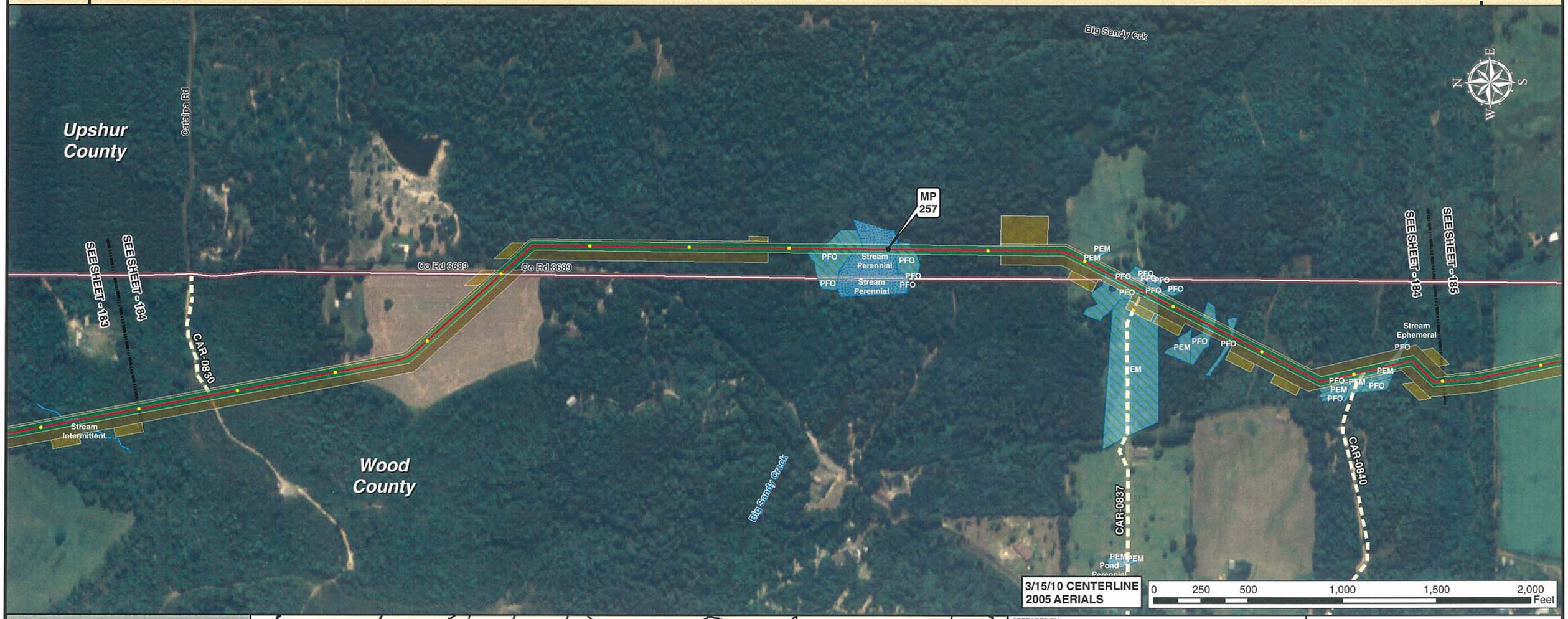
GS	SS	RG	50388X	XL-48-ML-2002-P-183 -A	183	2





Legend

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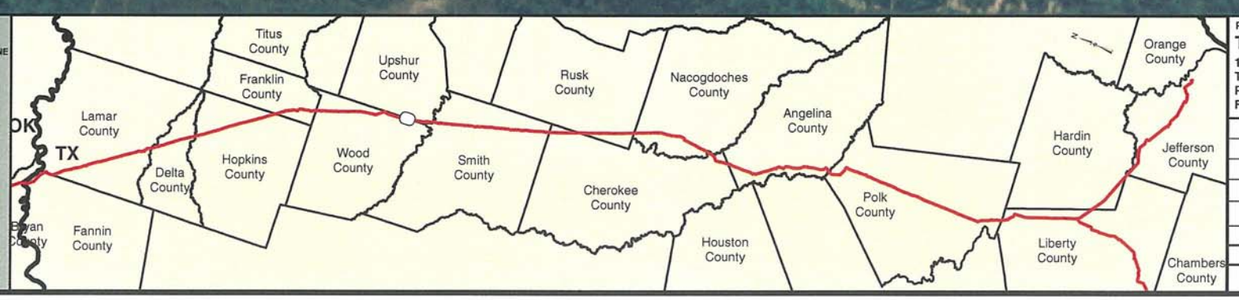

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0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

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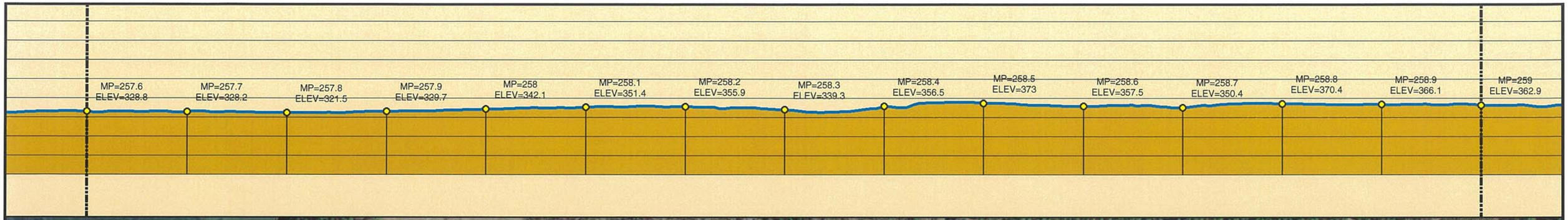
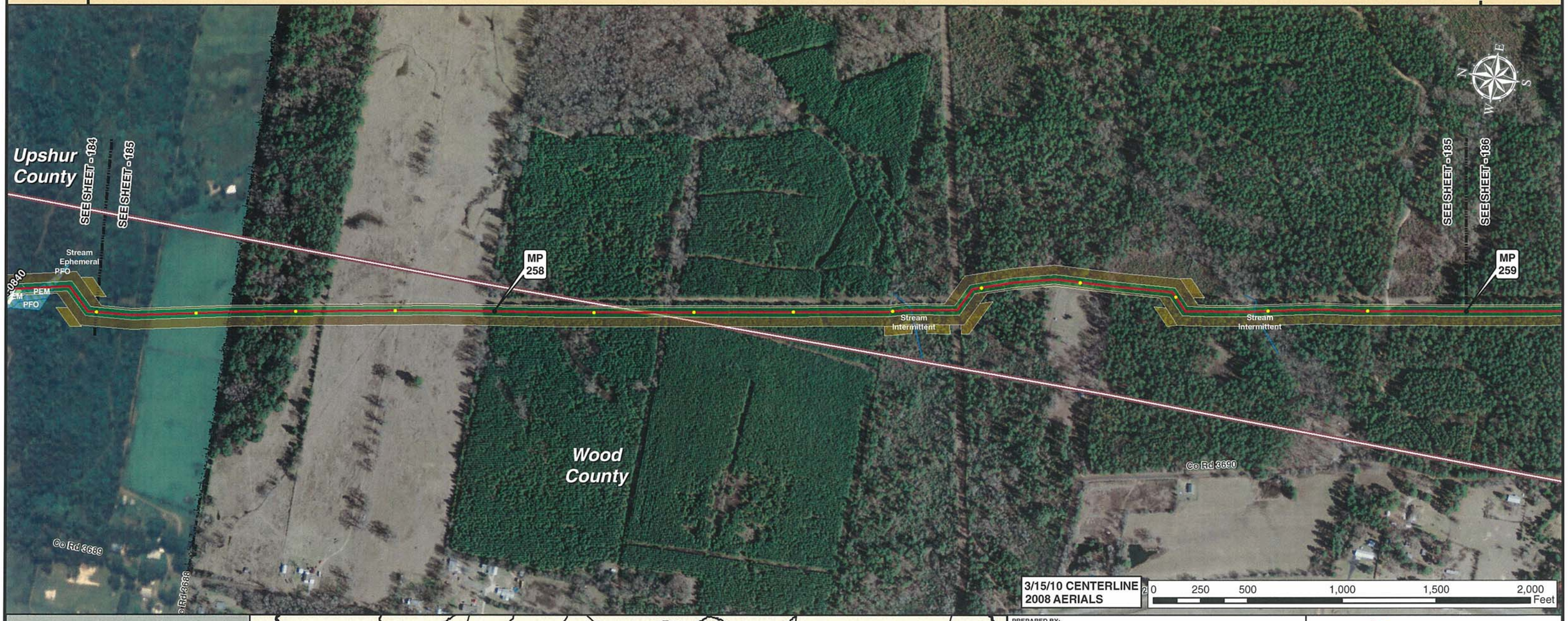
GS	SS	RG	50388X	XL-48-ML-2002-P-184 -A	184	2





Legend

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

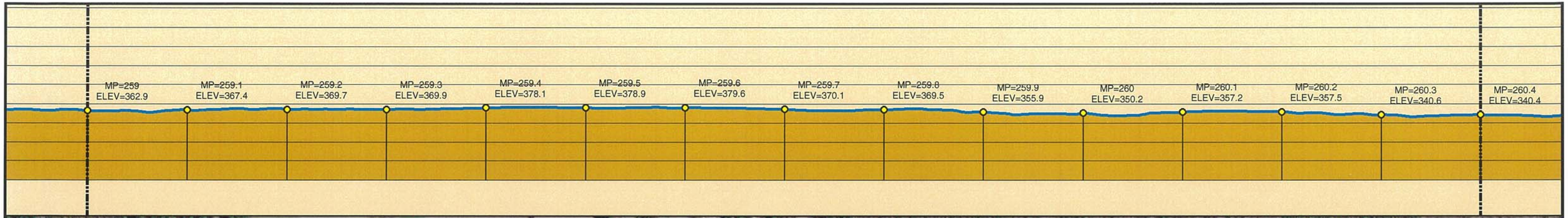
TransCanada
In business to deliver

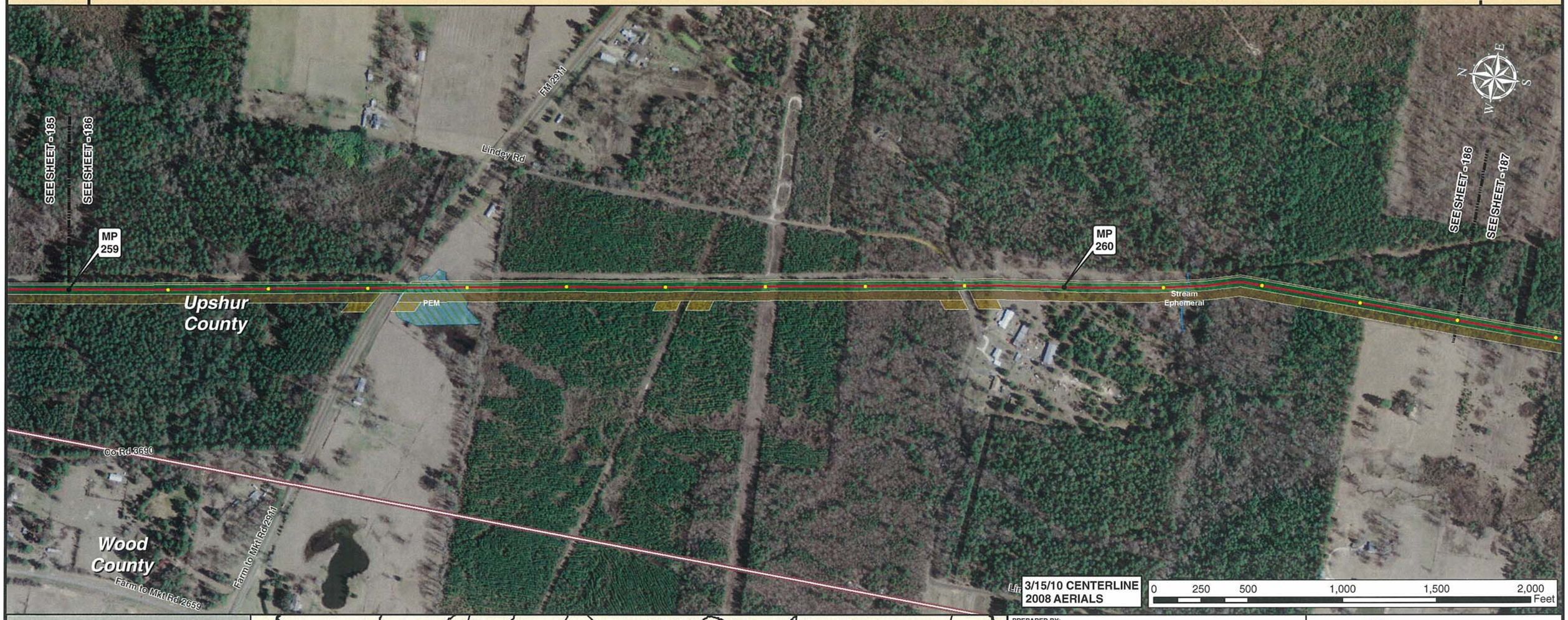
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

UPSHUR COUNTY, TEXAS

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-48-ML-2002-P-185 -A	185	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
- ACCESS ROAD
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- PUMP STATION
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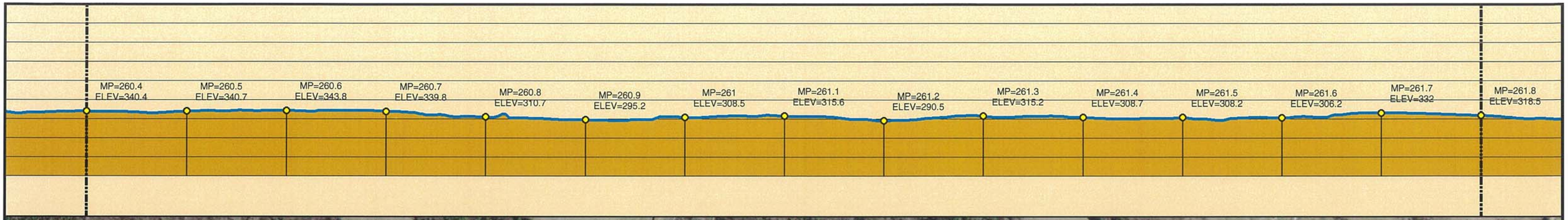
TransCanada
In business to deliver

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

UPSHUR COUNTY, TEXAS

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-48-ML-2002-P-186 -A	186	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
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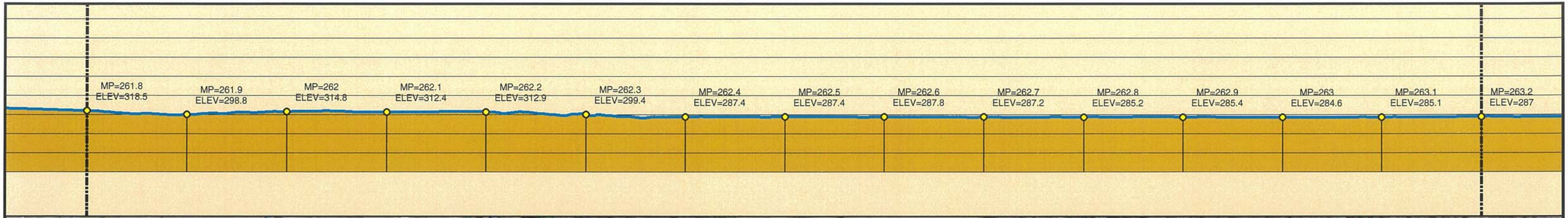
In business to deliver

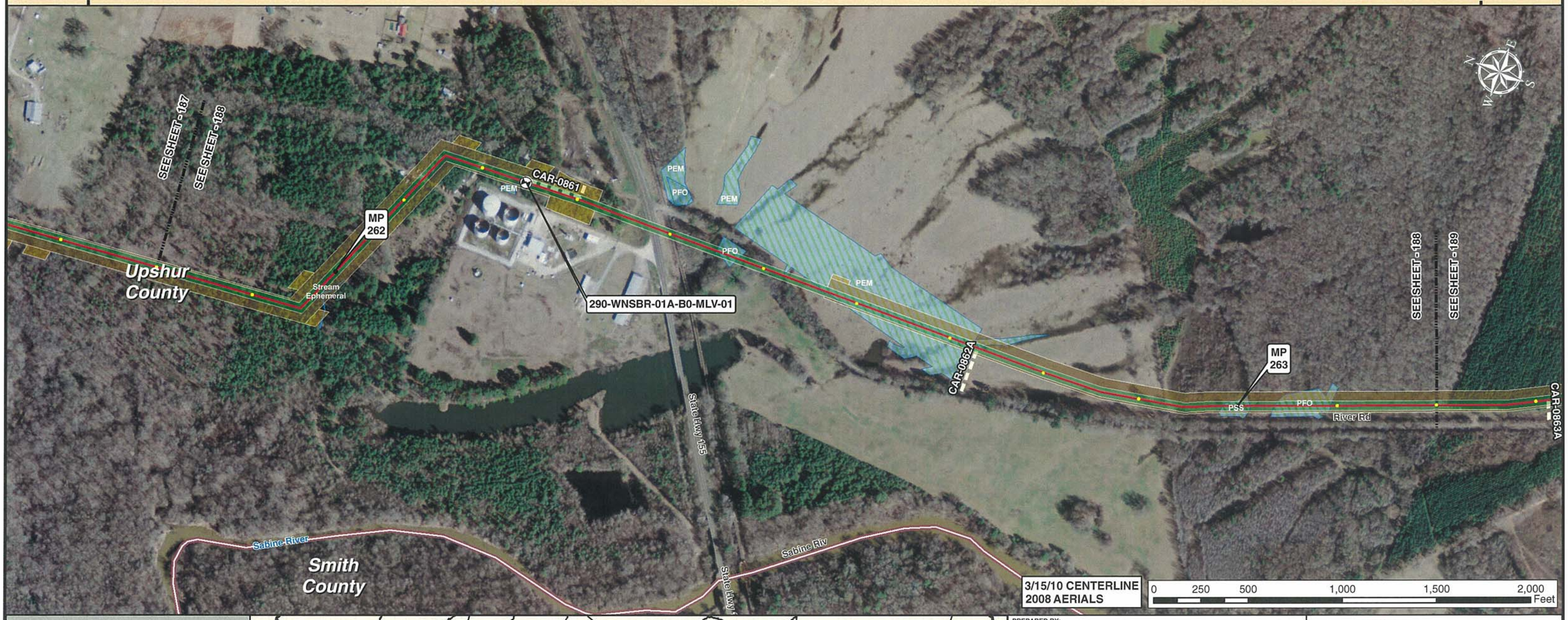
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

UPSHUR COUNTY, TEXAS

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-48-ML-2002-P-187 -A	187	2





Legend

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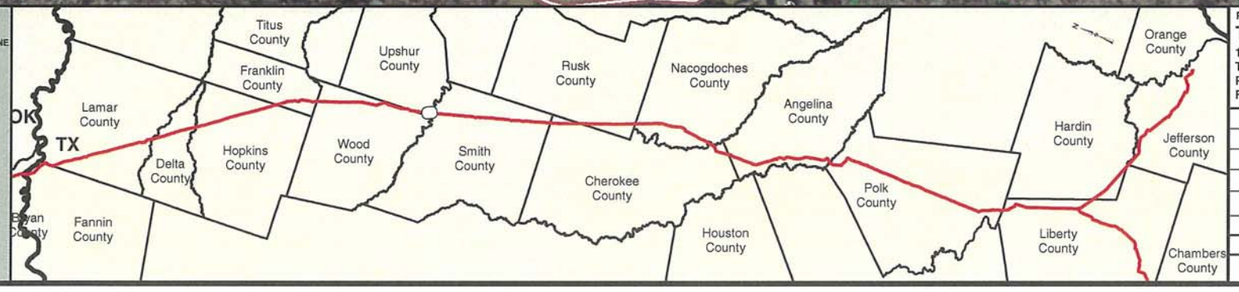
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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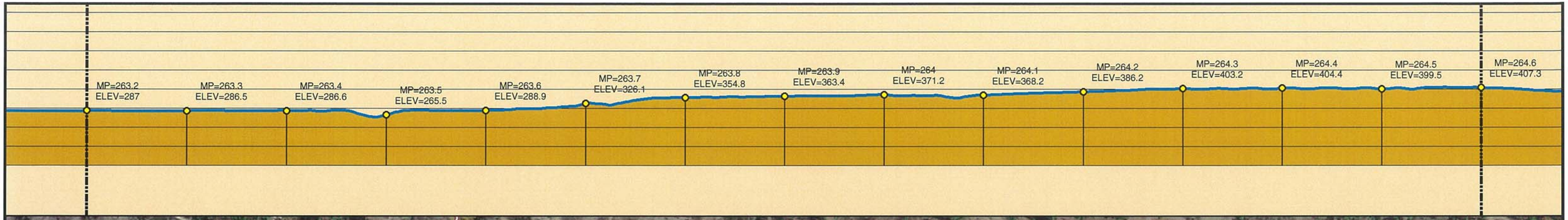
In business to deliver

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

UPSHUR COUNTY, TEXAS

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-48-ML-2002-P-188 -A	188	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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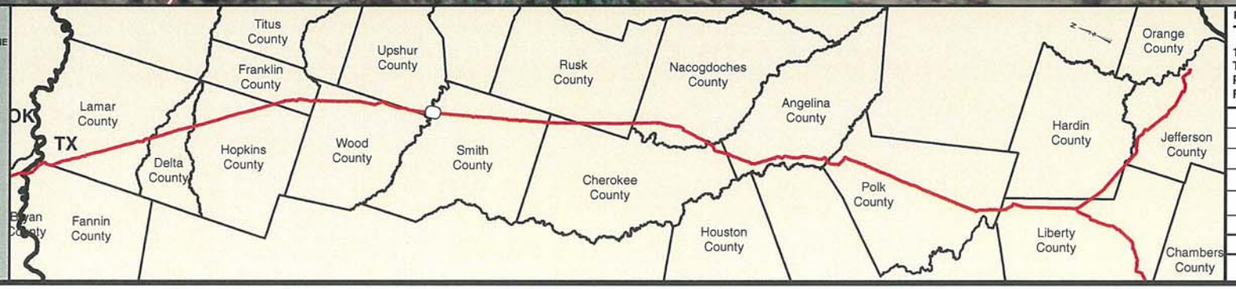
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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

SMITH COUNTY, TEXAS

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

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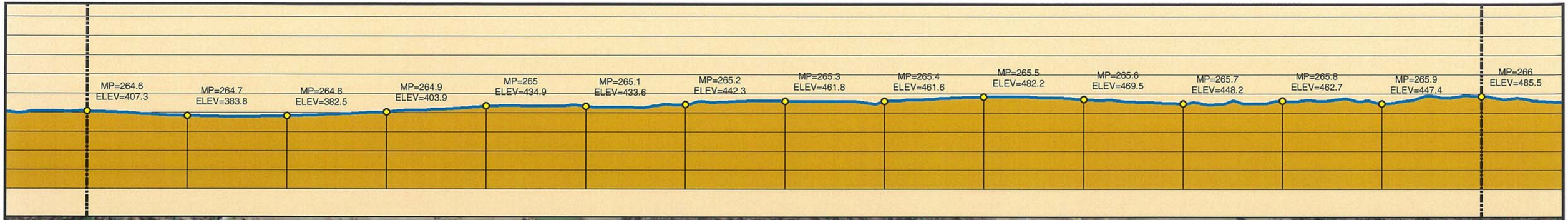
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-189 -A	189	2

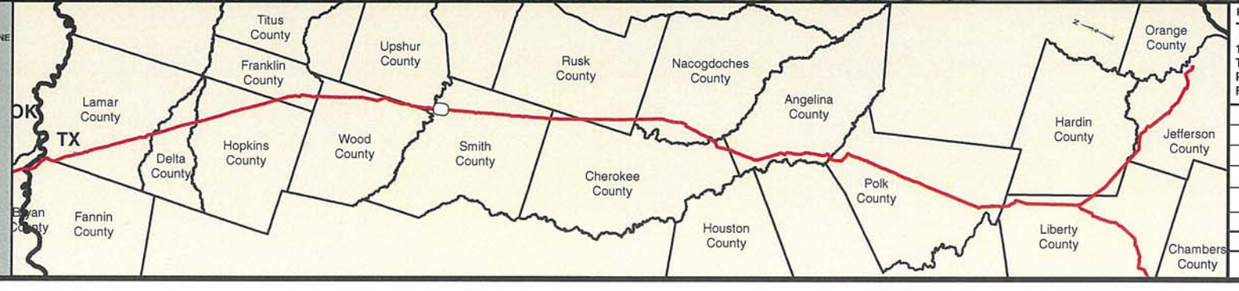


3/15/10 CENTERLINE
2008 AERIALS

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

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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SMITH COUNTY, TEXAS

MAP PARAMETERS
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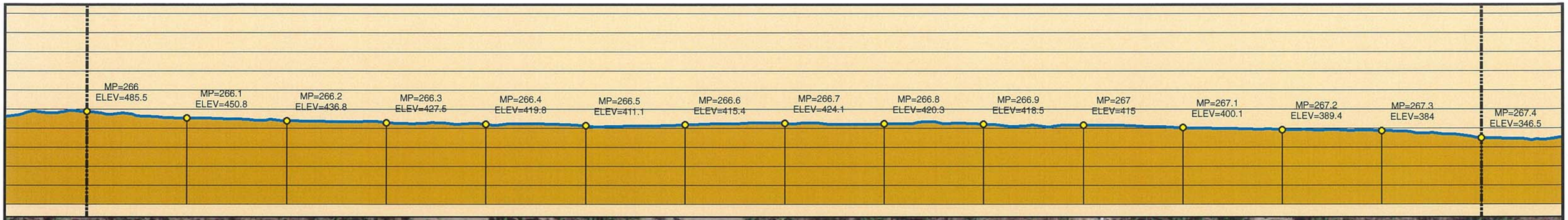
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-190 -A	190	2

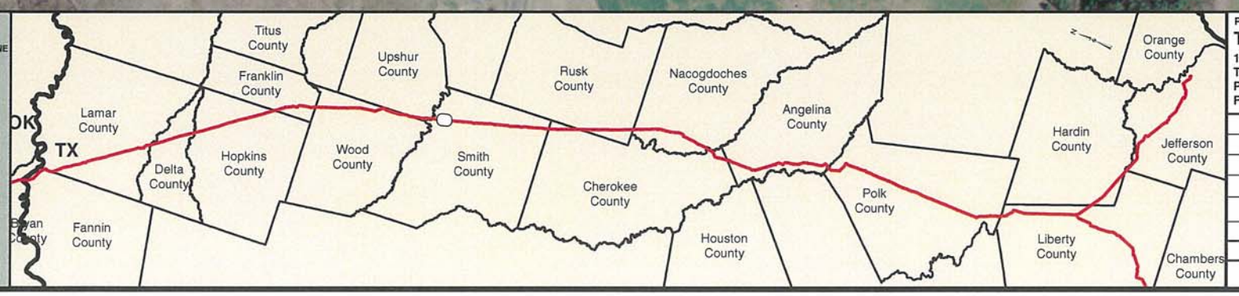


3/15/10 CENTERLINE
2008 AERIALS

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

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

SMITH COUNTY, TEXAS

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

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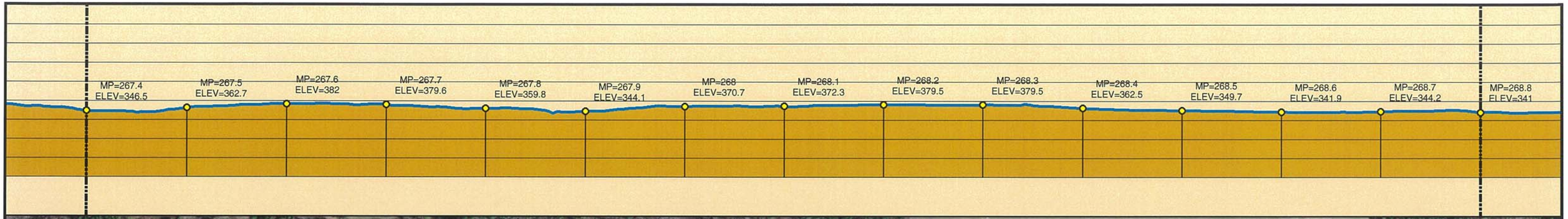
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-191 -A	191	2



3/15/10 CENTERLINE
2008 AERIALS

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

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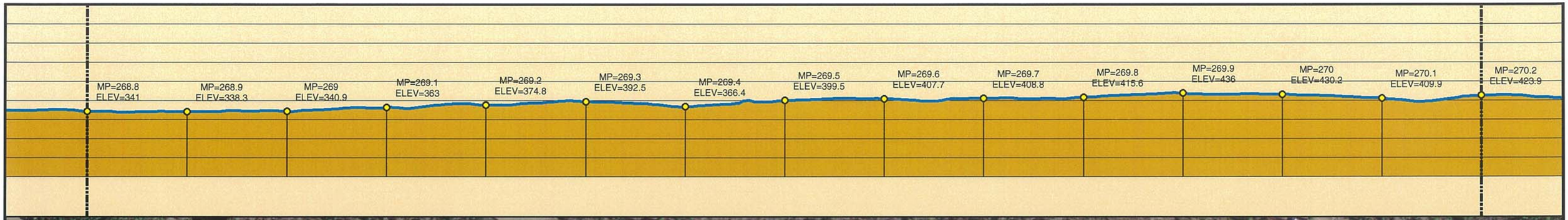
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

SMITH COUNTY, TEXAS

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-48-ML-2002-P-192 -A	192	2



Legend

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

SMITH COUNTY, TEXAS

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

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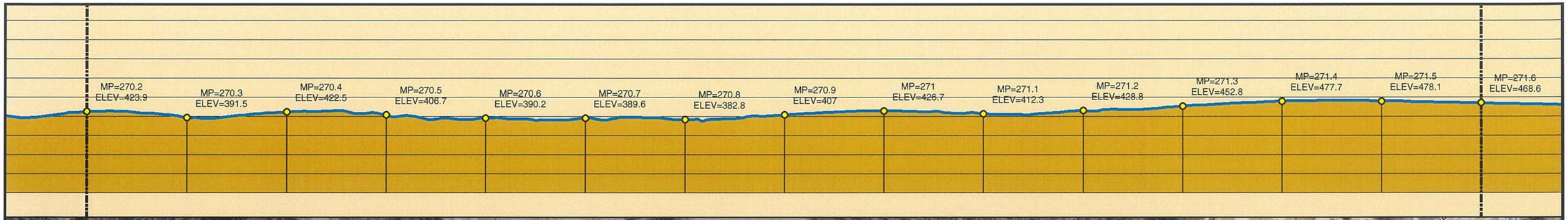
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-193 -A	193	2



Legend

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- VALVE
- KEYSTONE XL PROJECT
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- TEMPORARY EASEMENT
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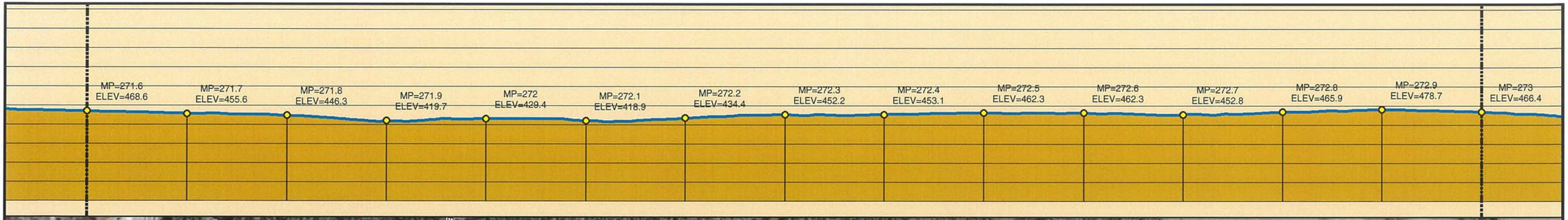
TransCanada
In business to deliver

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

SMITH COUNTY, TEXAS

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-48-ML-2002-P-194 -A	194	2



Legend

- MILE POST
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- VALVE
- KEYSTONE XL PROJECT
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- TEMPORARY EASEMENT
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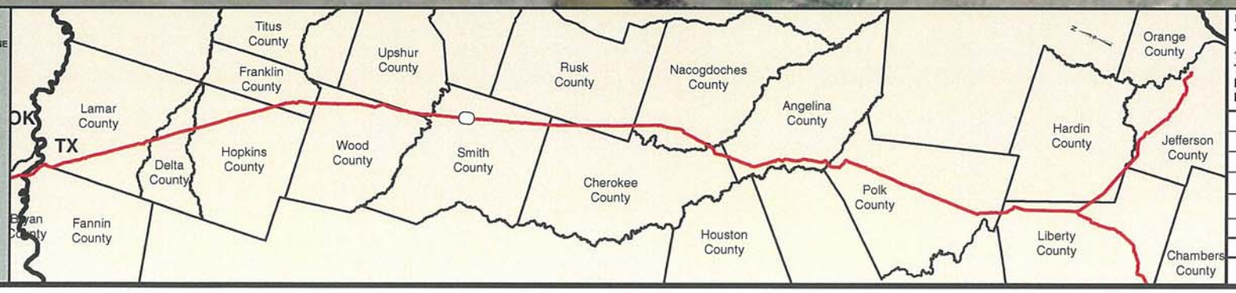

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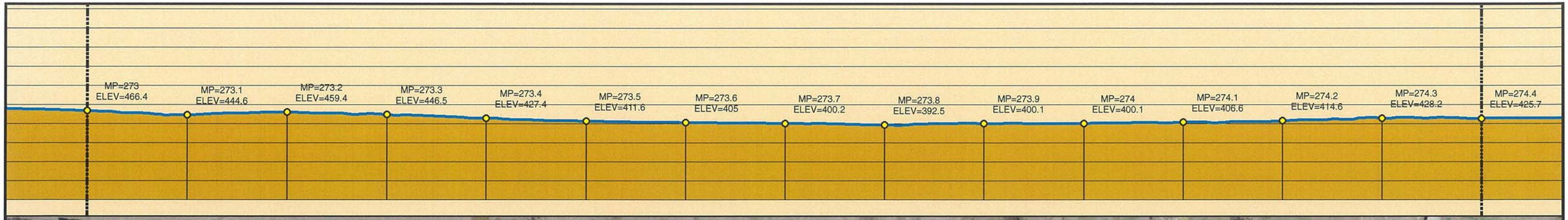
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

SMITH COUNTY, TEXAS

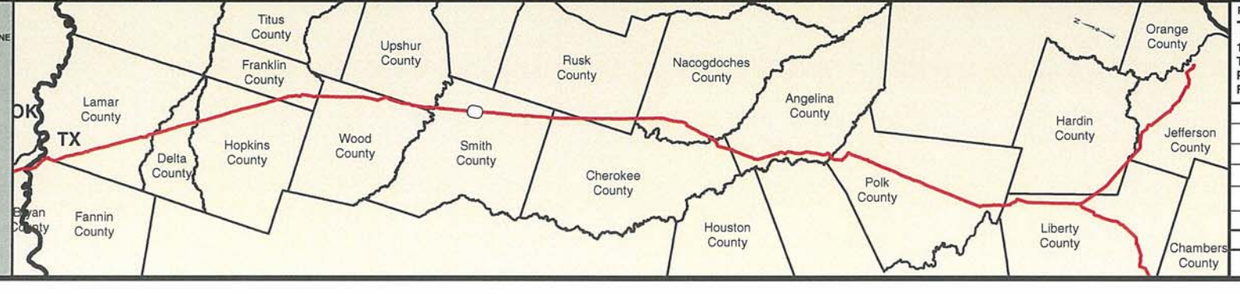
MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-195 -A	195	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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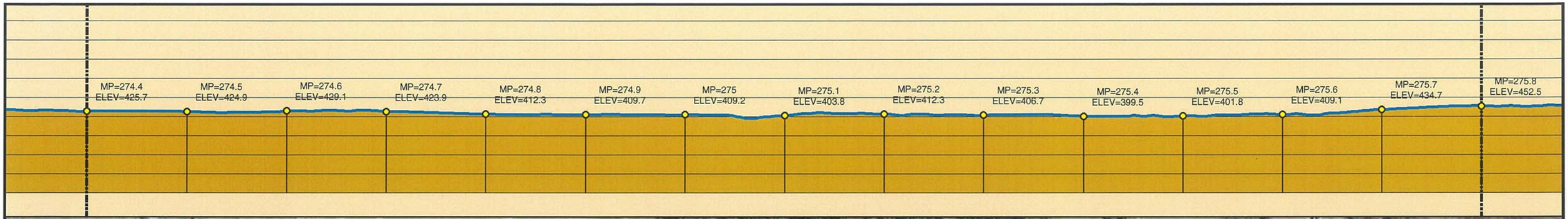
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
SMITH COUNTY, TEXAS

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

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

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-196 -A	196	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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- PUMP STATION
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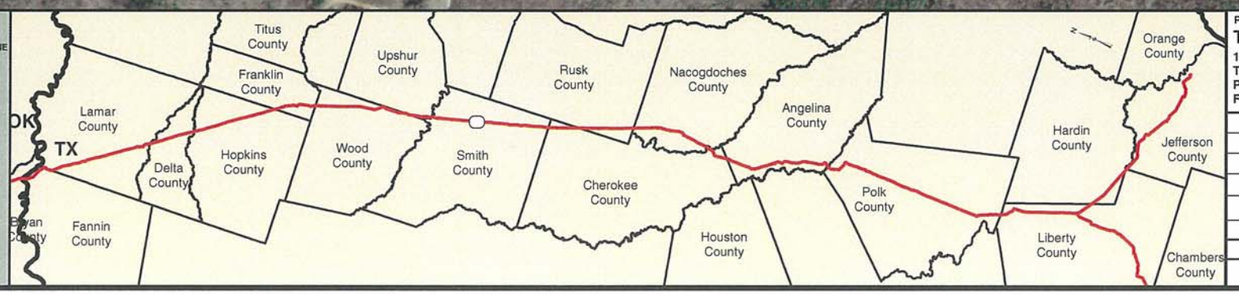
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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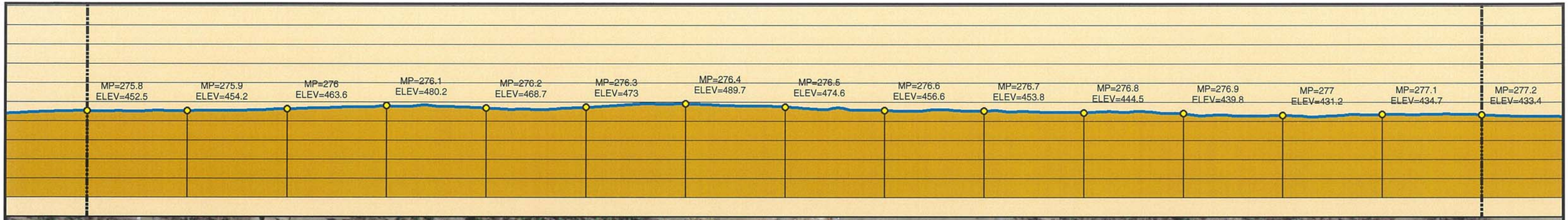
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

SMITH COUNTY, TEXAS

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-48-ML-2002-P-197 -A	197	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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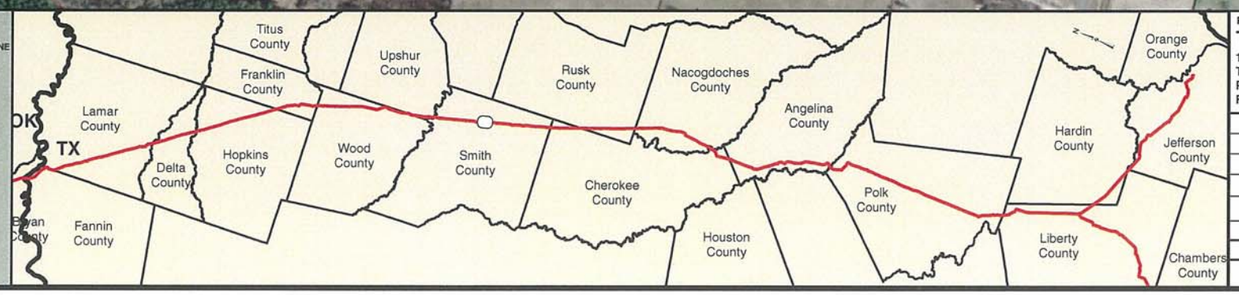
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

SMITH COUNTY, TEXAS

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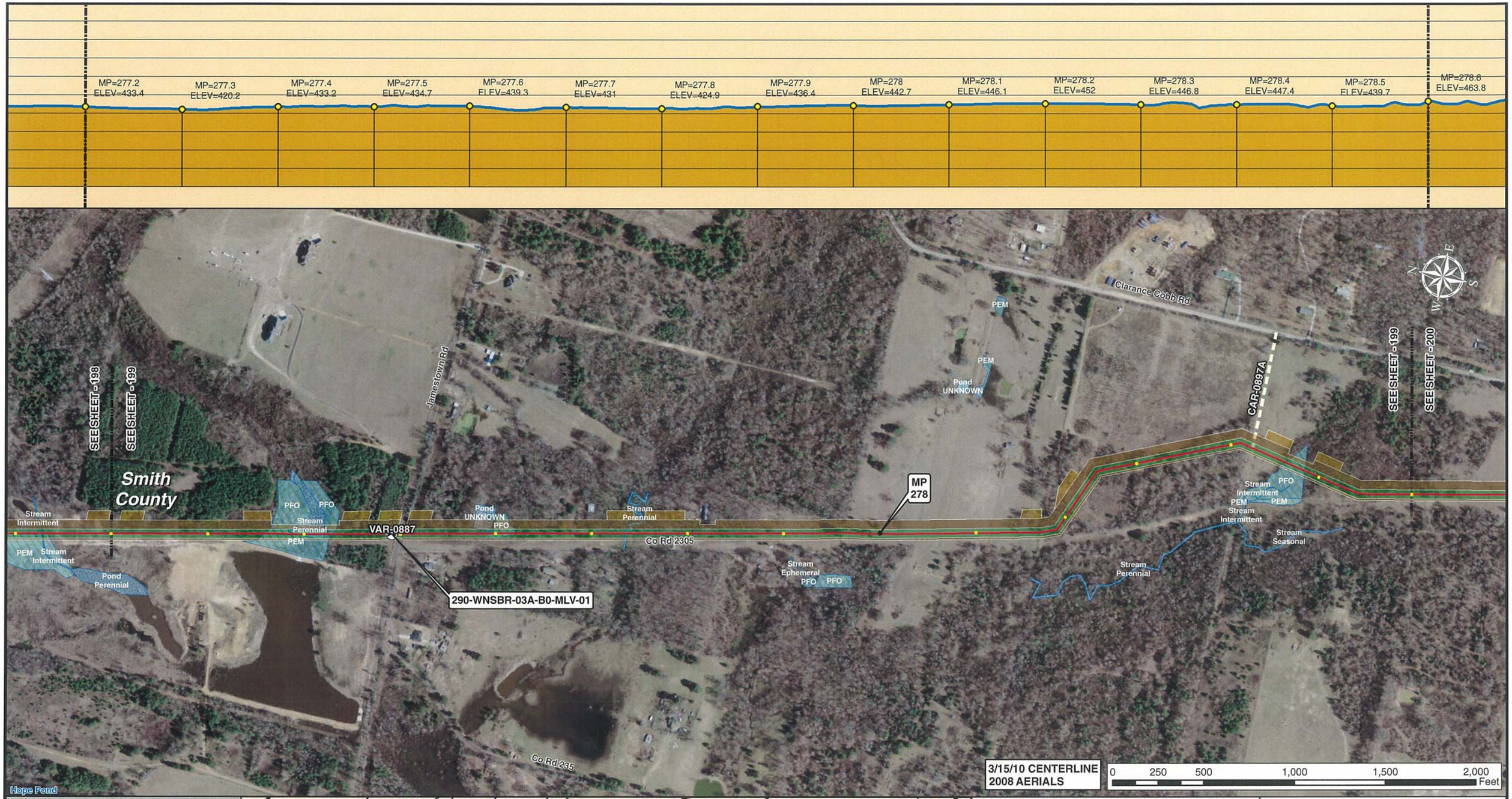
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-198 -A	198	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
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- EXTRA WORKSPACE
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- CONTRACTOR YARD
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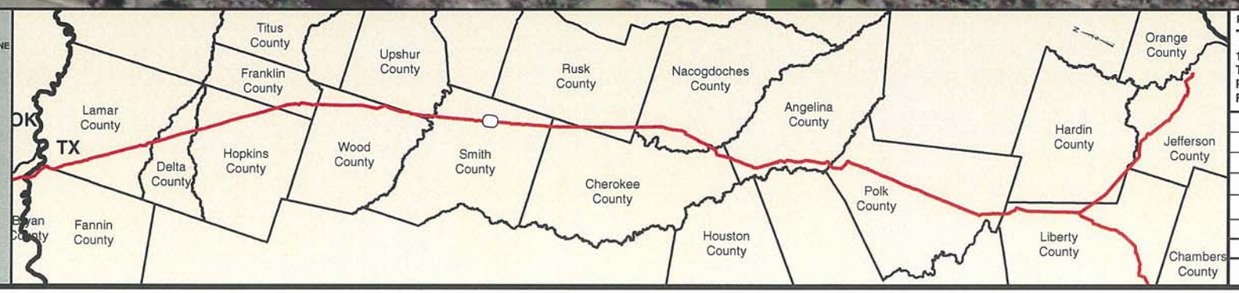
- WATER BODY
- WETLAND
- COUNTY LINE



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SMITH COUNTY, TEXAS

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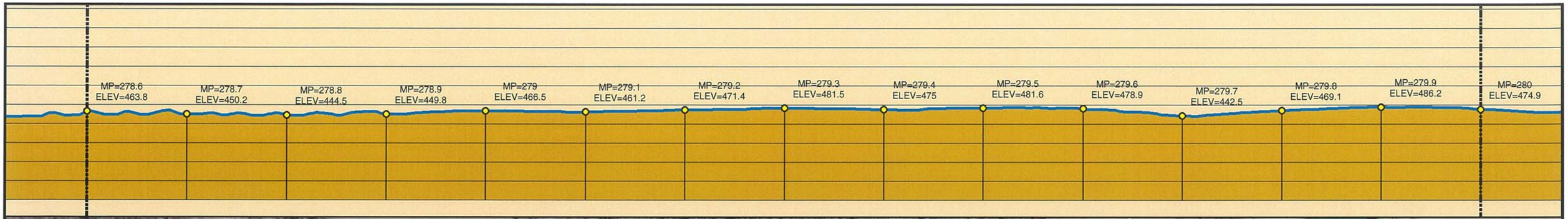
GS	SS	RG	50388X	XL-48-ML-2002-P-199 -A	199	2



Legend

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- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
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- TEMPORARY EASEMENT
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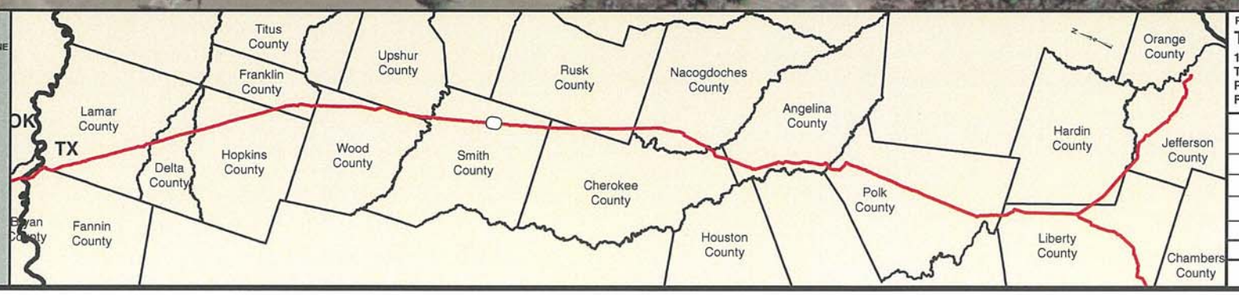

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MAP PARAMETERS
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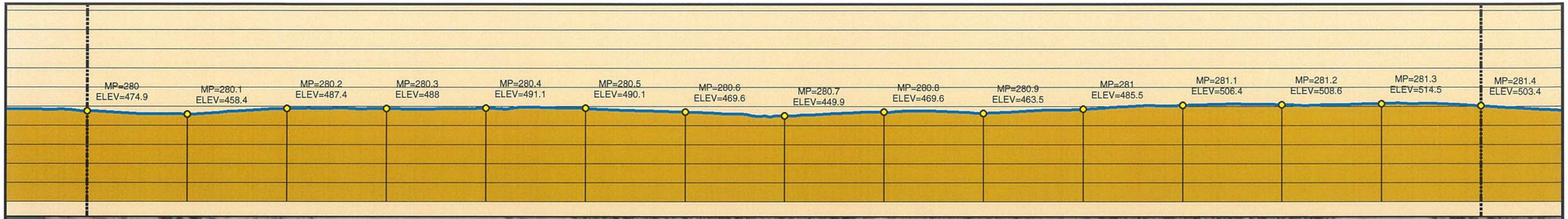

Legend

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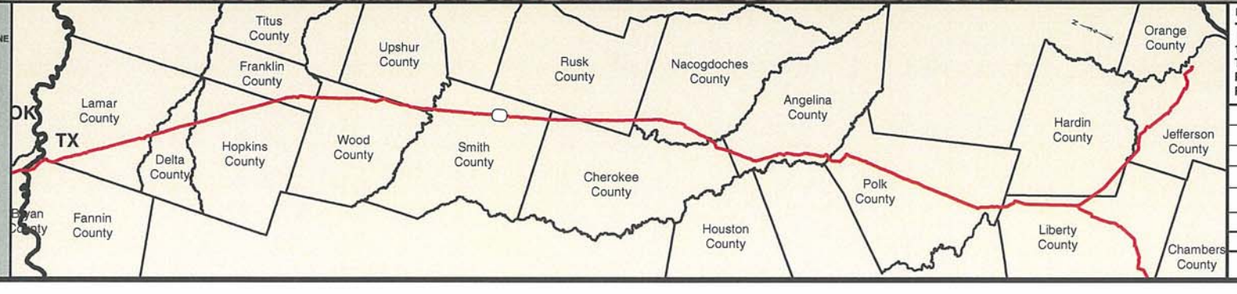

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KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

SMITH COUNTY, TEXAS

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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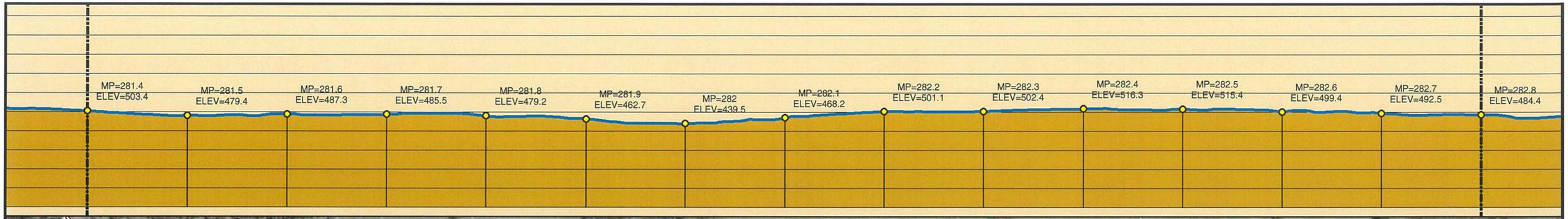

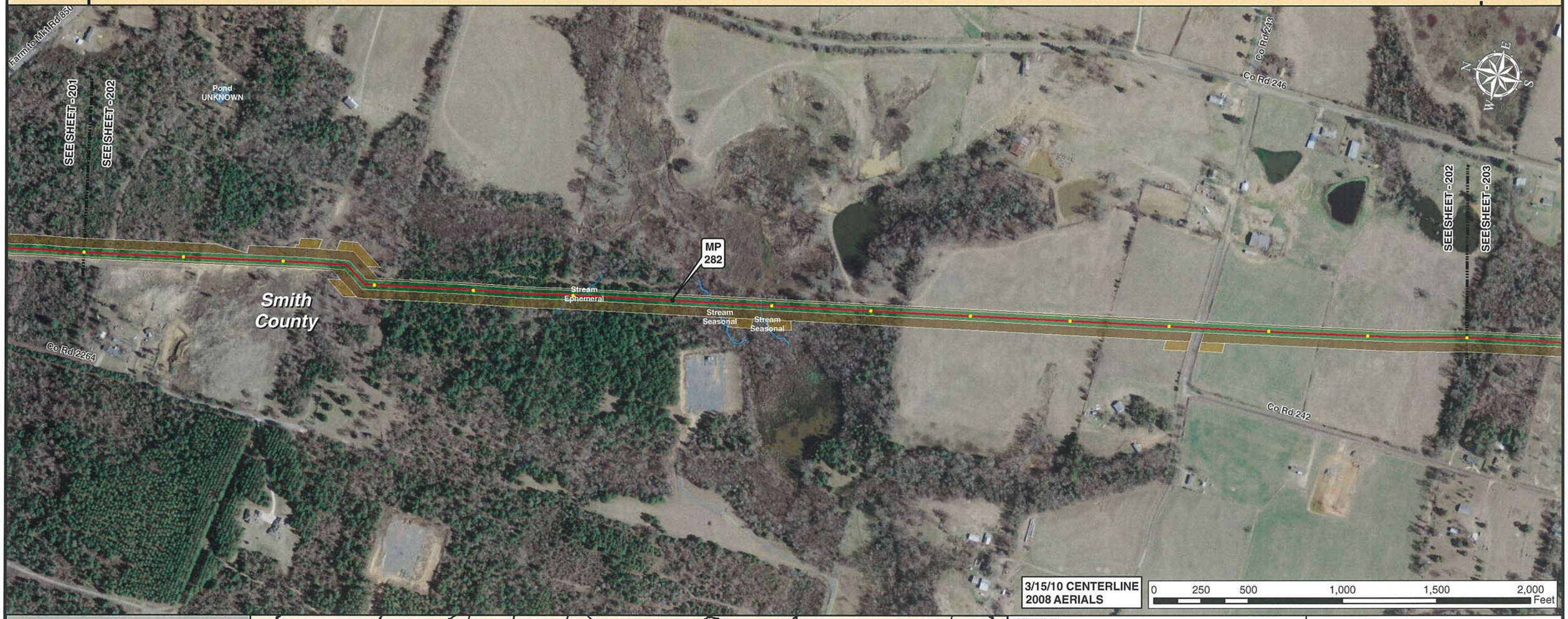

Legend

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

SMITH COUNTY, TEXAS

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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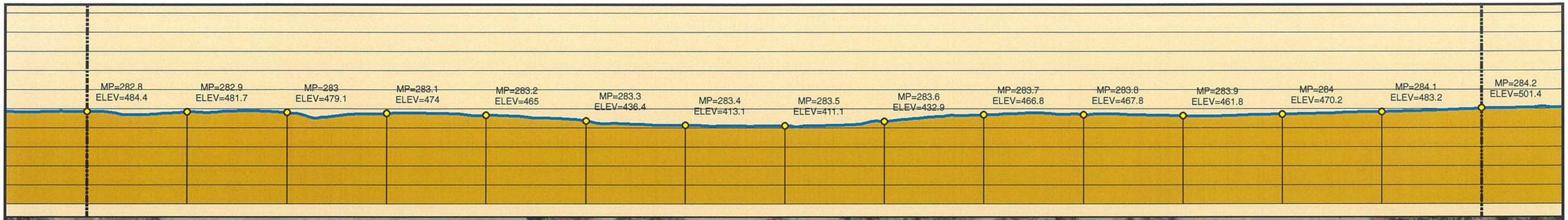

Legend

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SMITH COUNTY, TEXAS

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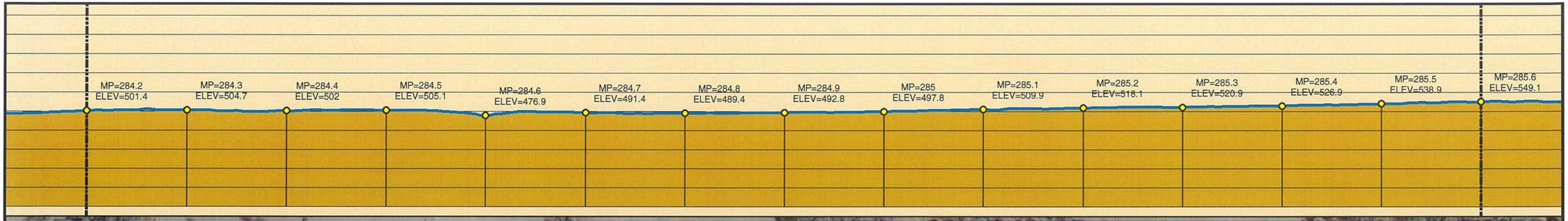
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-203 -A	203	2



Legend

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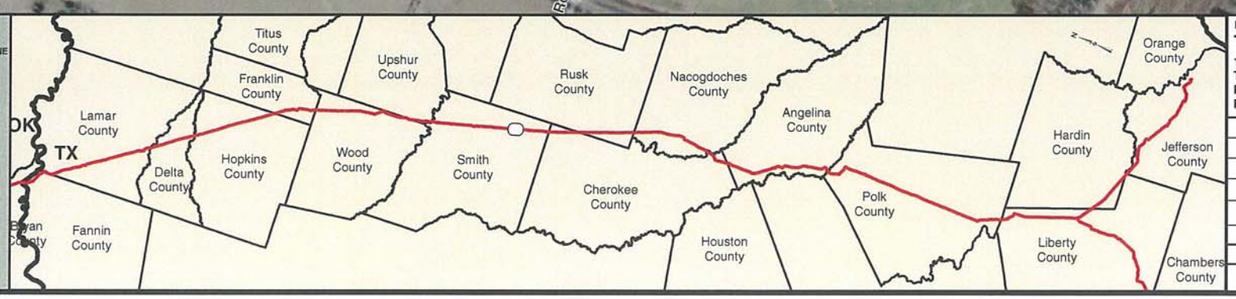

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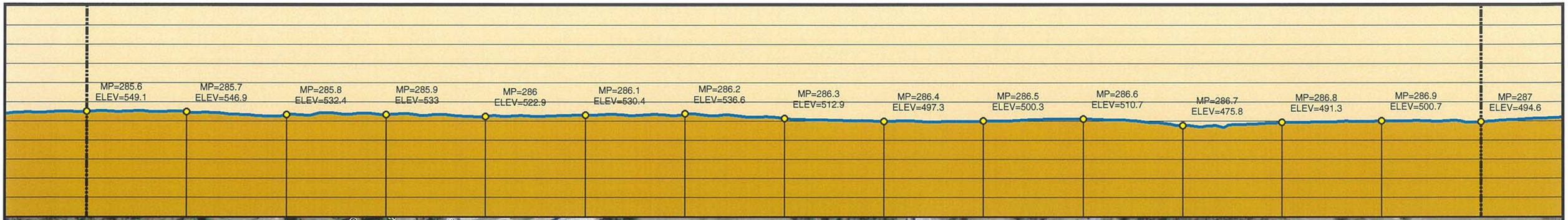

Legend

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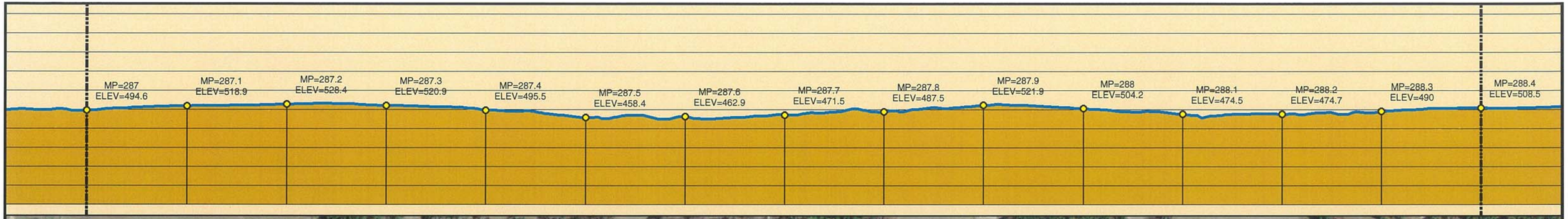
GS	SS	RG	50388X	XL-48-ML-2002-P-205 -A	205	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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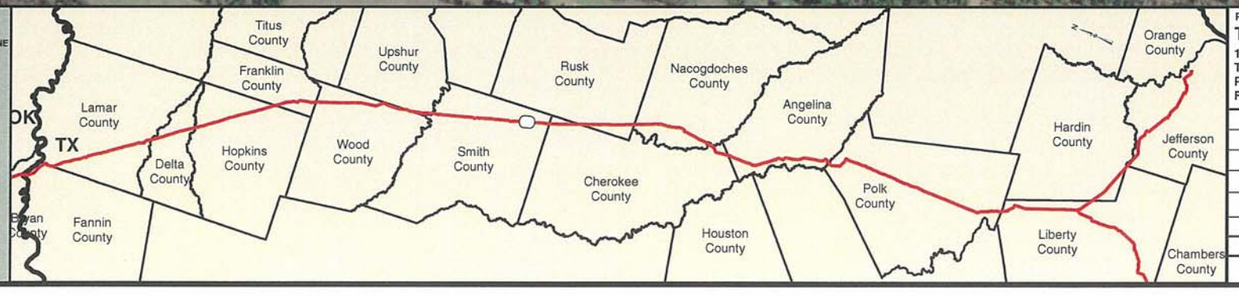

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SCALE: 1:6,000; 1" = 500'

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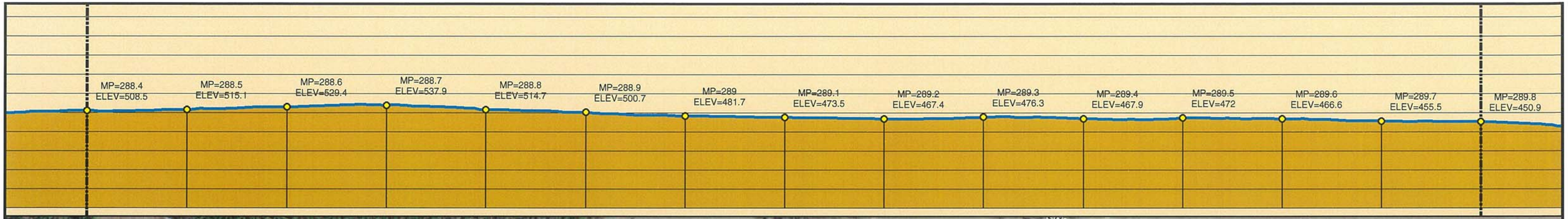
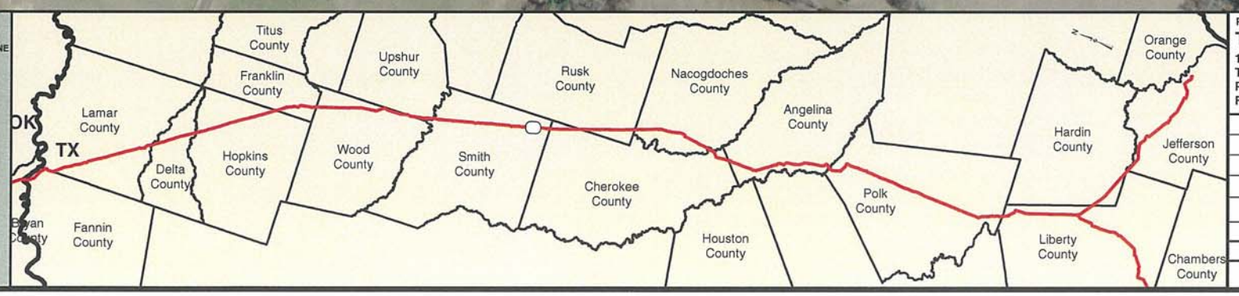
GS	SS	RG	50388X	XL-48-ML-2002-P-206 -A	206	2



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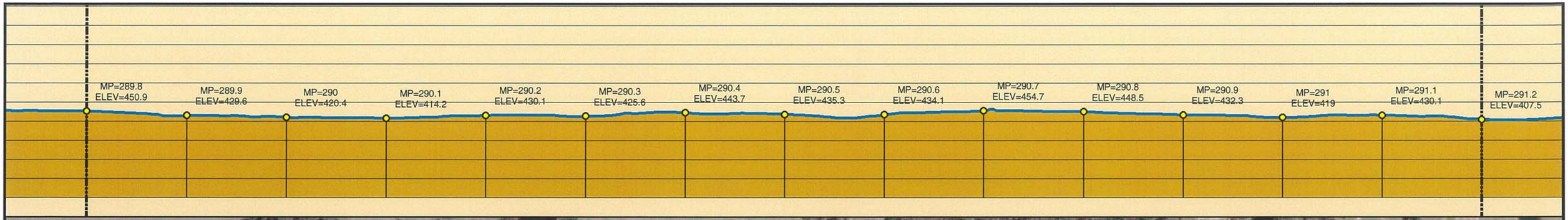
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
SMITH COUNTY, TEXAS

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

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

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-207 -A	207	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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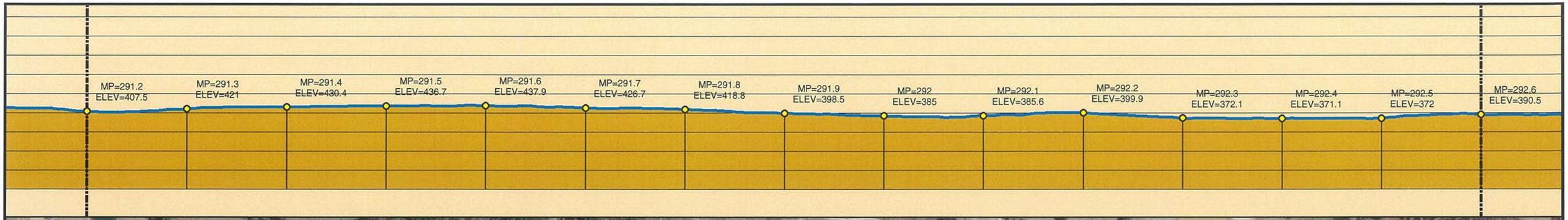
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

SMITH COUNTY, TEXAS

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-48-ML-2002-P-208 -A	208	2

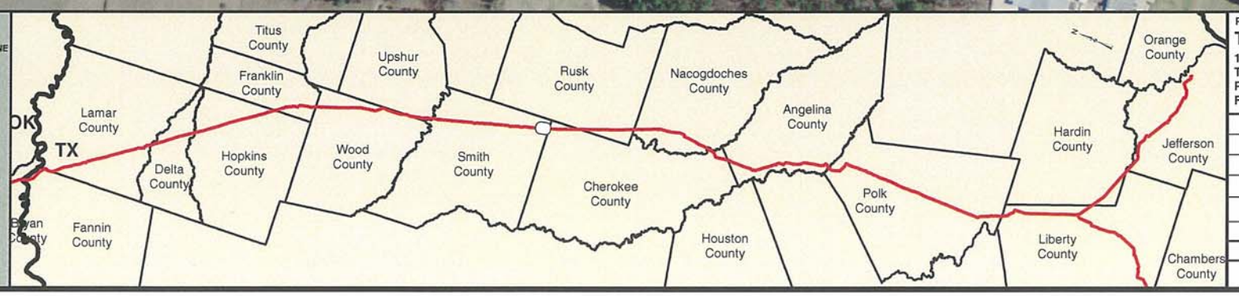


3/15/10 CENTERLINE
2008 AERIALS

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

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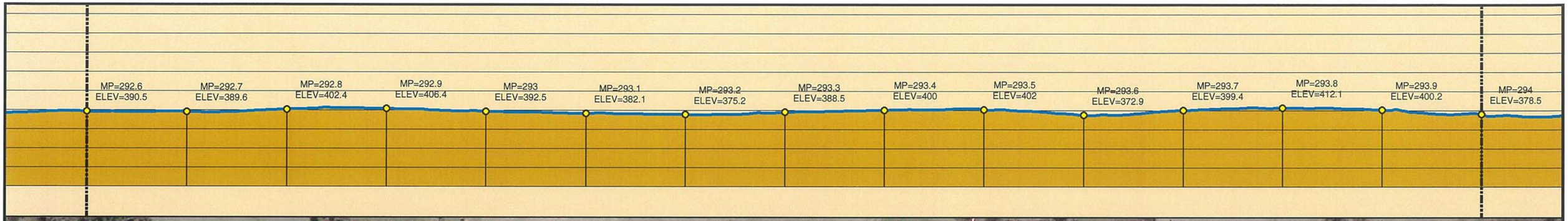
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

SMITH COUNTY, TEXAS

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-48-ML-2002-P-209 -A	209	2



Legend

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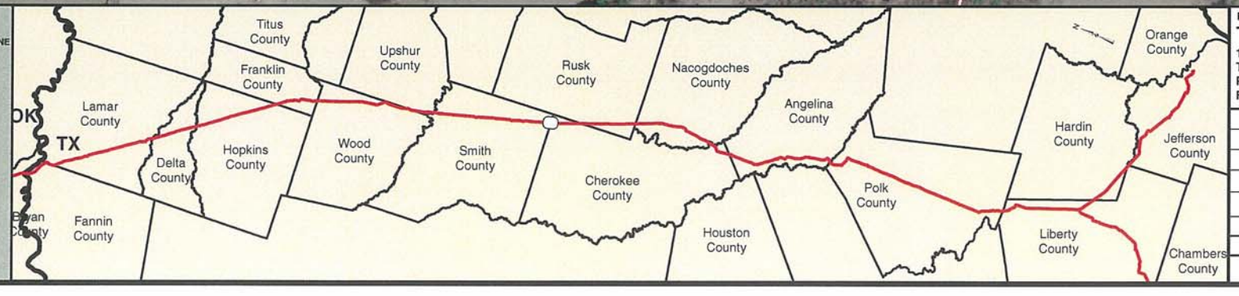
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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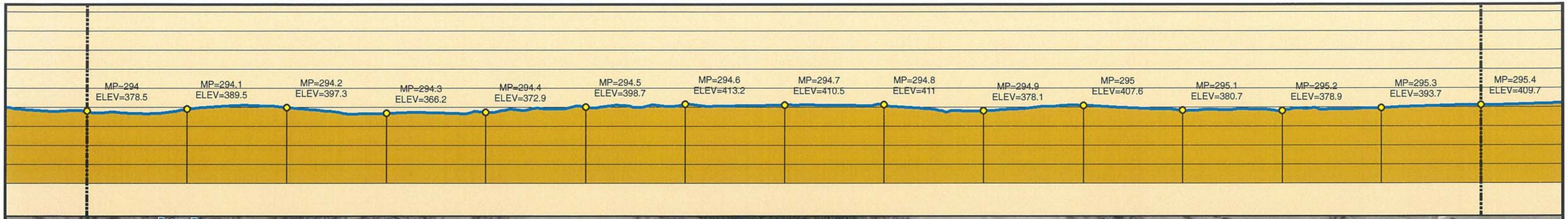
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

CHEROKEE COUNTY, TEXAS

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-48-ML-2002-P-210 -A	210	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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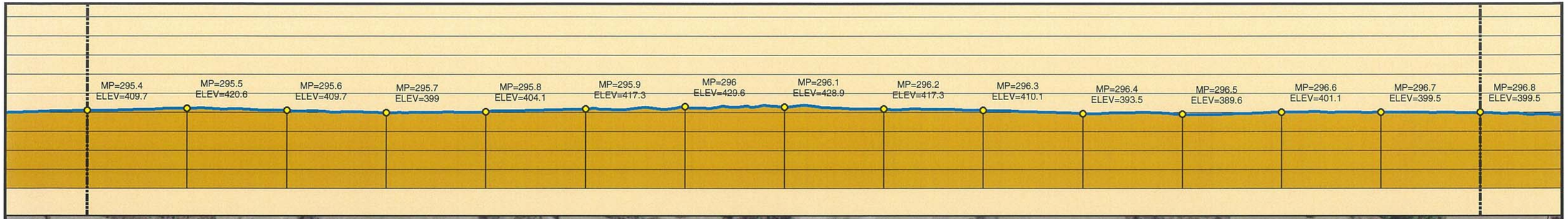
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

CHEROKEE COUNTY, TEXAS

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-48-ML-2002-P-211 -A	211	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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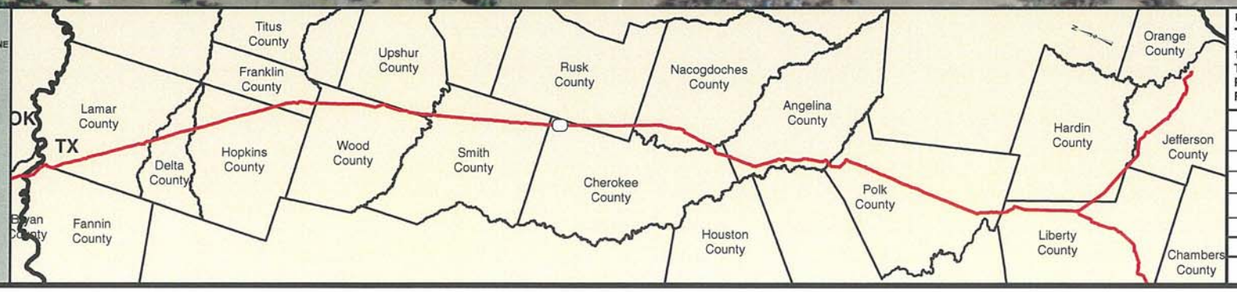
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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

CHEROKEE COUNTY, TEXAS

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

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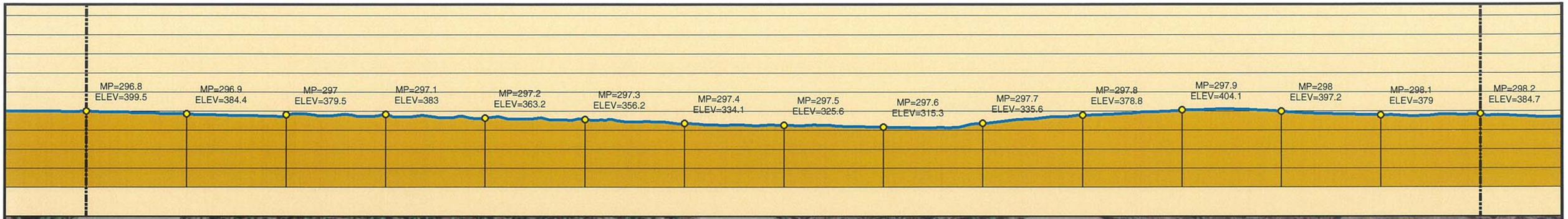
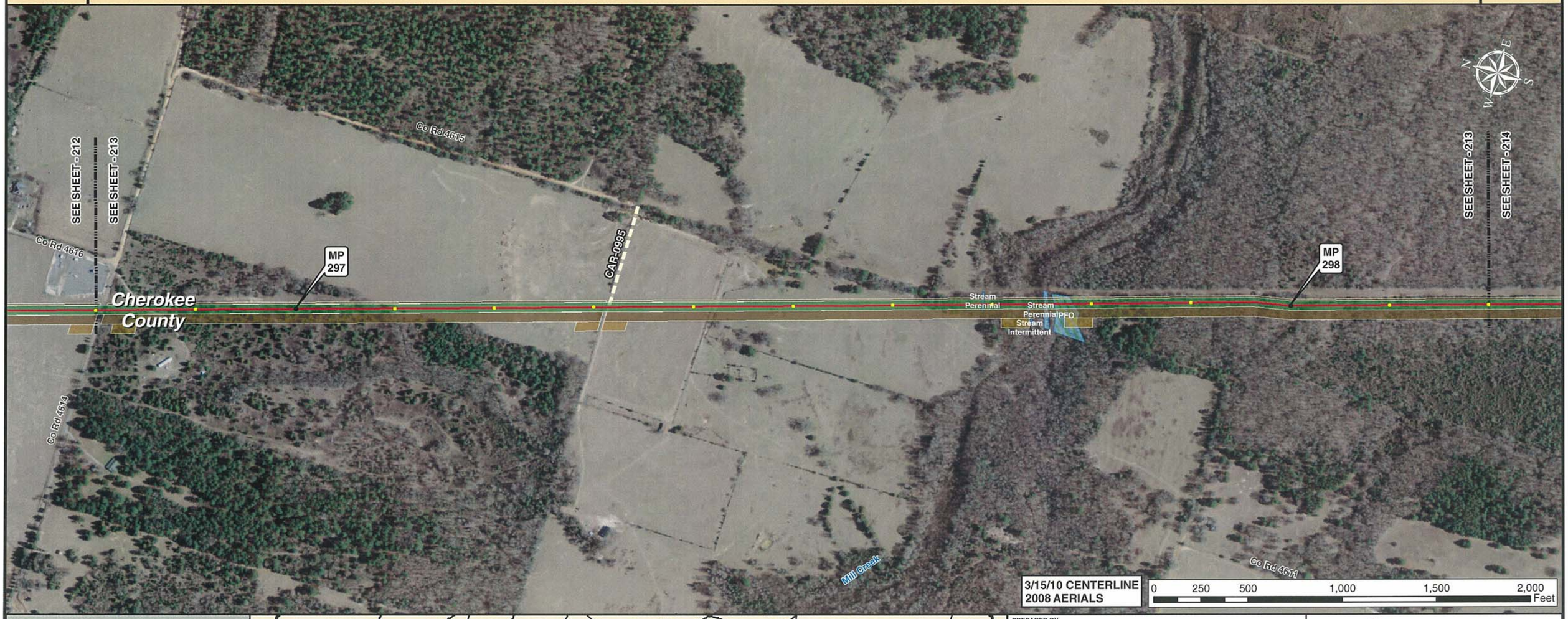
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-212 -A	212	2



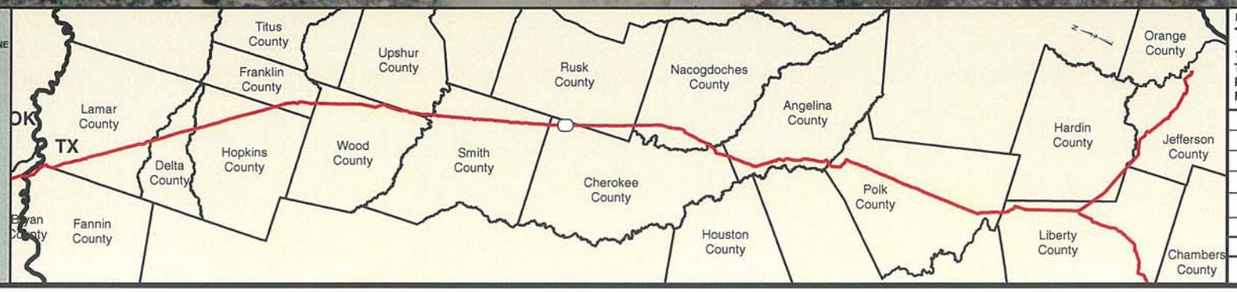


3/15/10 CENTERLINE
2008 AERIALS

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

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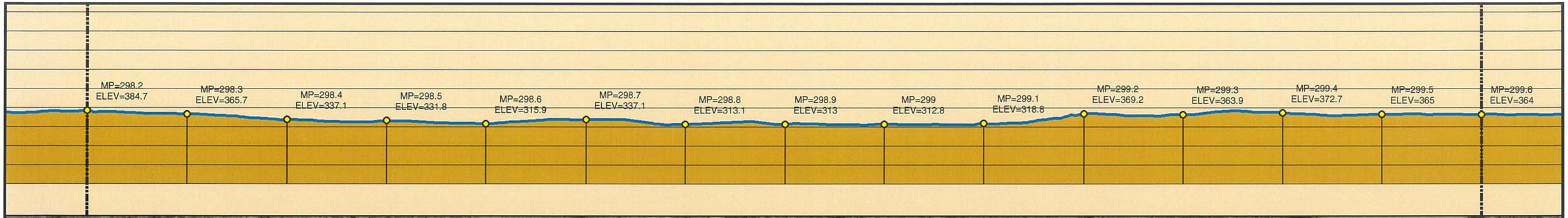
1	ISSUED FOR SUPPLEMENTAL U.S. DEPT. OF STATE FILING (2.19.09 CL)	7.6.09
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

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

CHEROKEE COUNTY, TEXAS

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-48-ML-2002-P-213 -A	213	2



Legend

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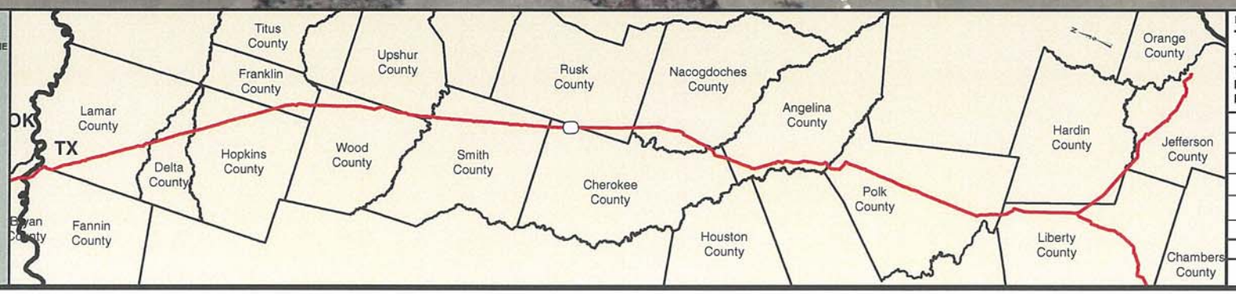
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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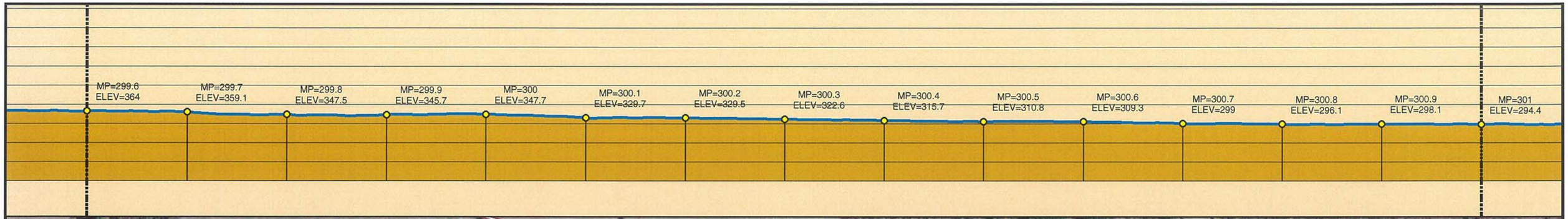
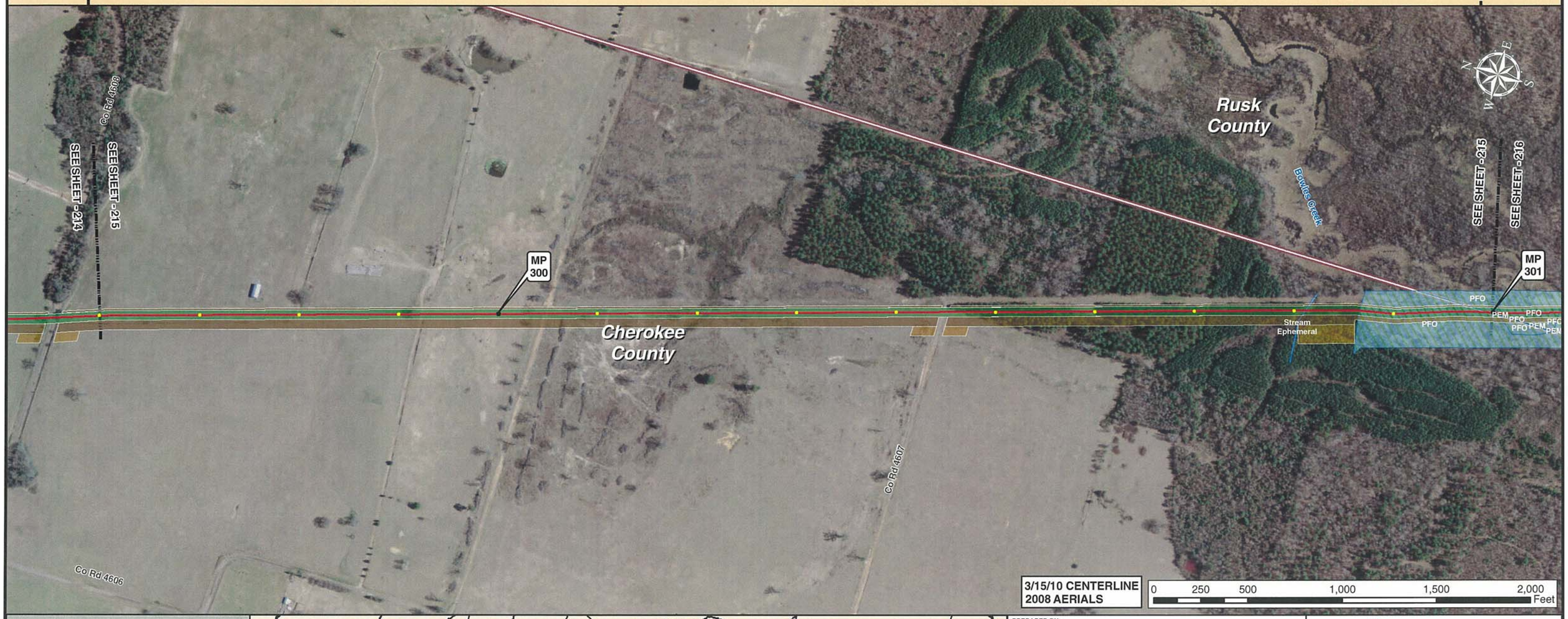
In business to deliver

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

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-48-ML-2002-P-214 -A	214	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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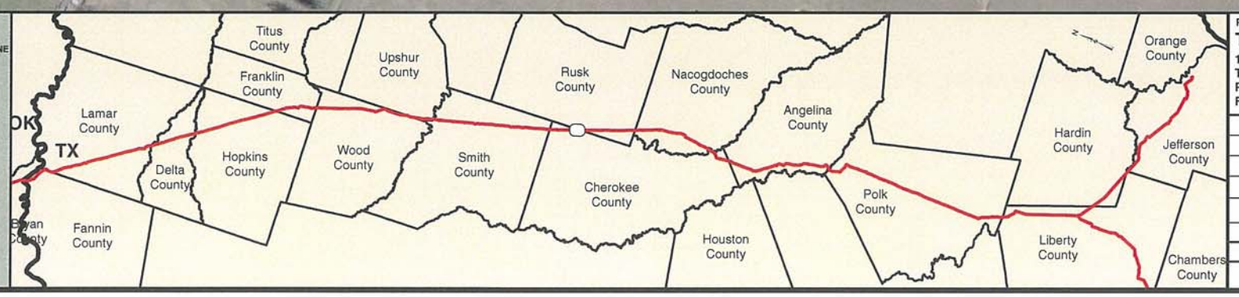
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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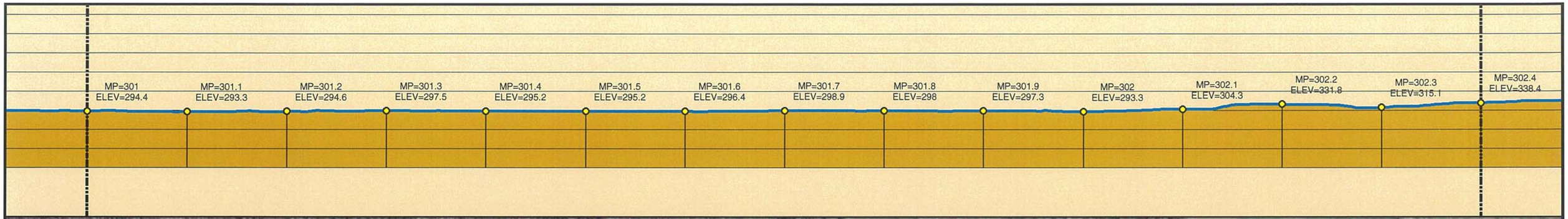
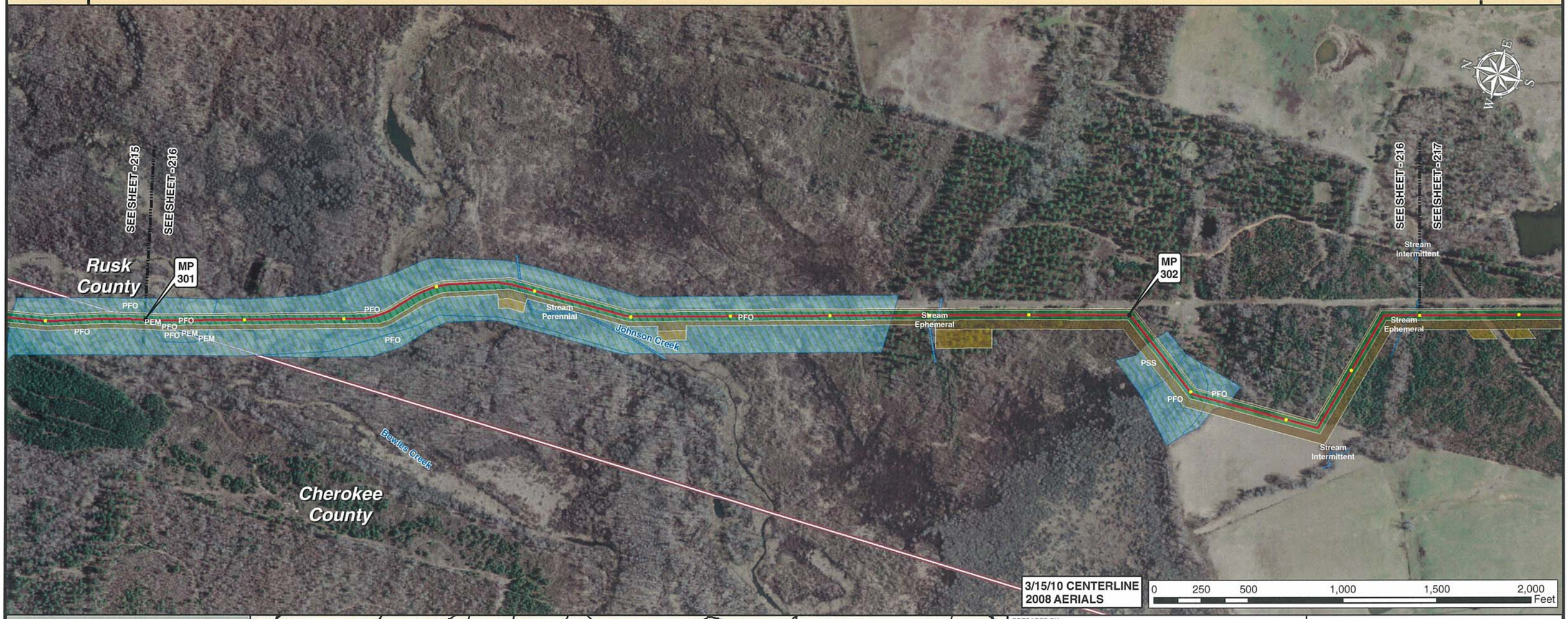
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

CHEROKEE COUNTY, TEXAS

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-48-ML-2002-P-215 -A	215	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
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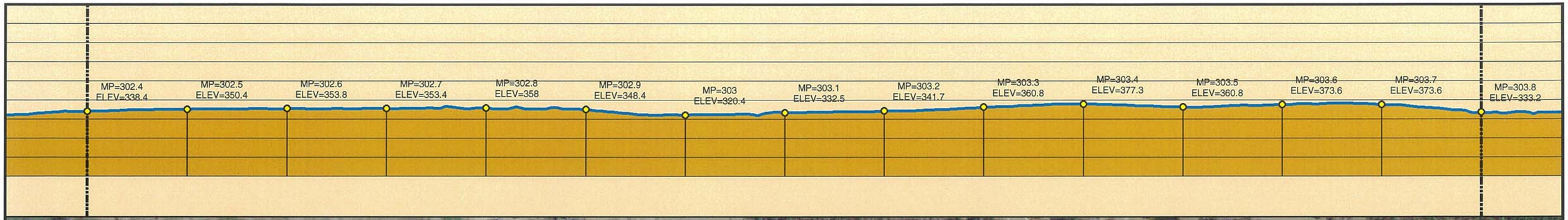
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

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

RUSK COUNTY, TEXAS

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-48-ML-2002-P-216 -A	216	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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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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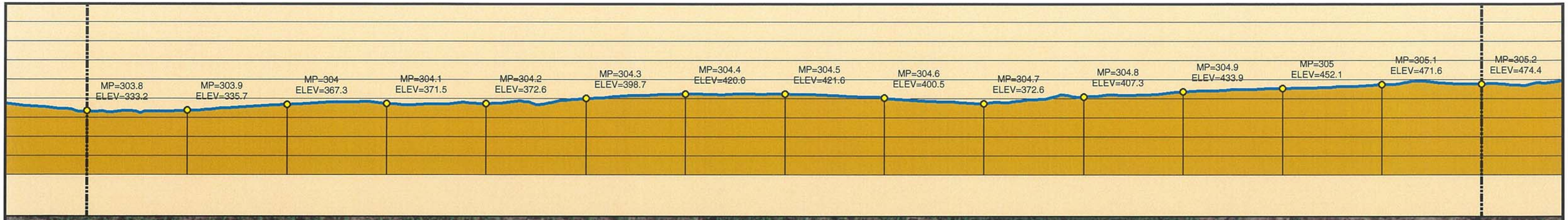
In business to deliver

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

RUSK COUNTY, TEXAS

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-48-ML-2002-P-217 -A	217	2



SEE SHEET - 217

SEE SHEET - 218

SEE SHEET - 218

SEE SHEET - 219

MP 304

MP 305

Rusk County

Stream Intermittent

Stream Intermittent

Stream Intermittent

Stream Intermittent

Stream Ephemeral

CAR-1027

N

E

S

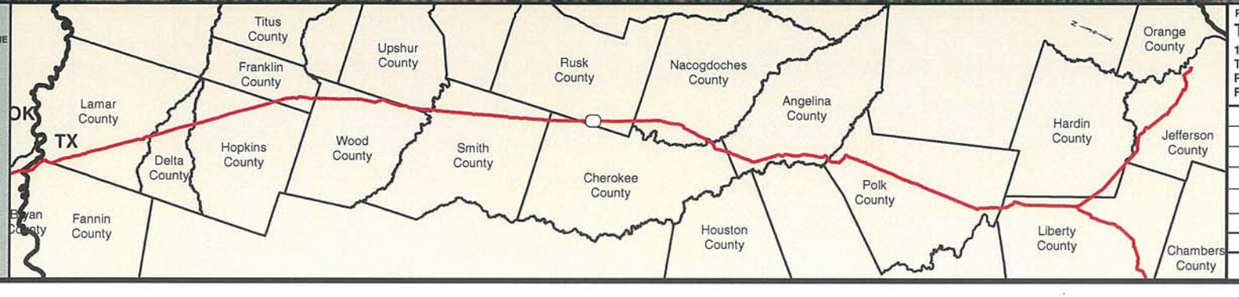
W

3/15/10 CENTERLINE
2008 AERIALS

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

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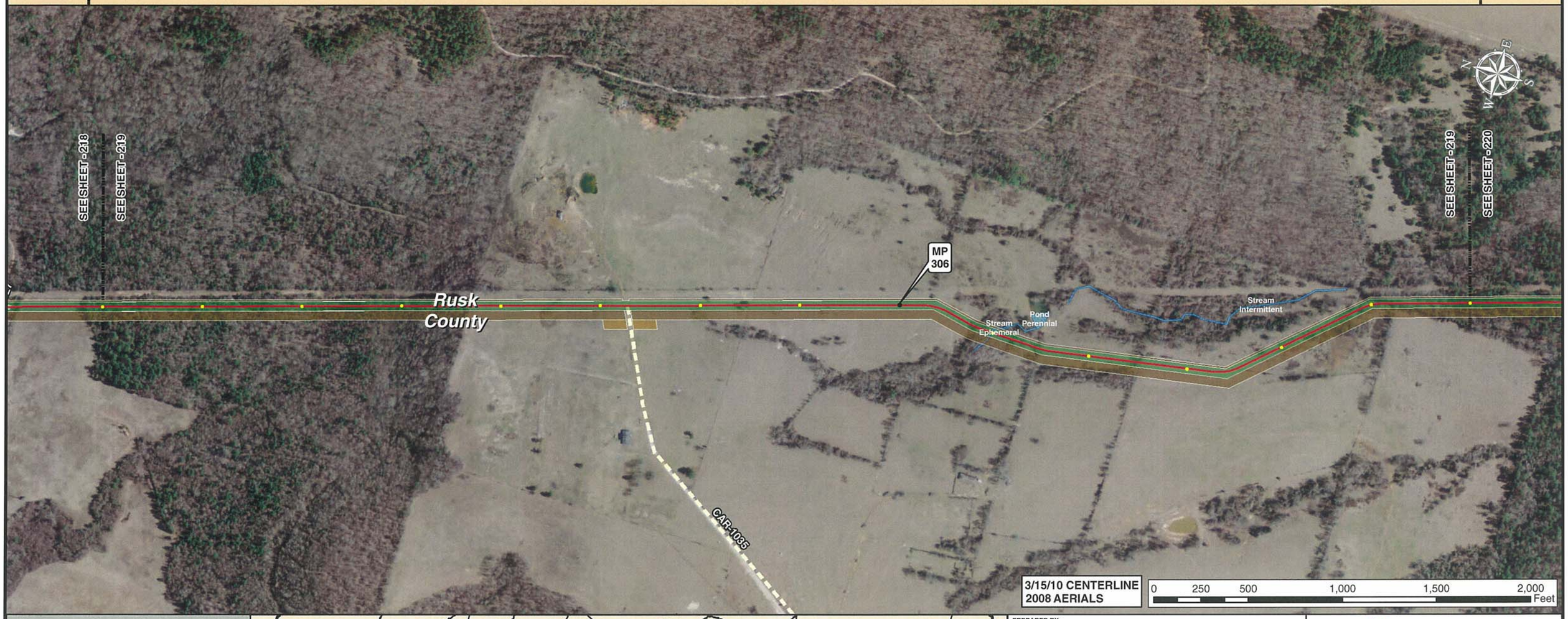
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

RUSK COUNTY, TEXAS

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-48-ML-2002-P-218 -A	218	2

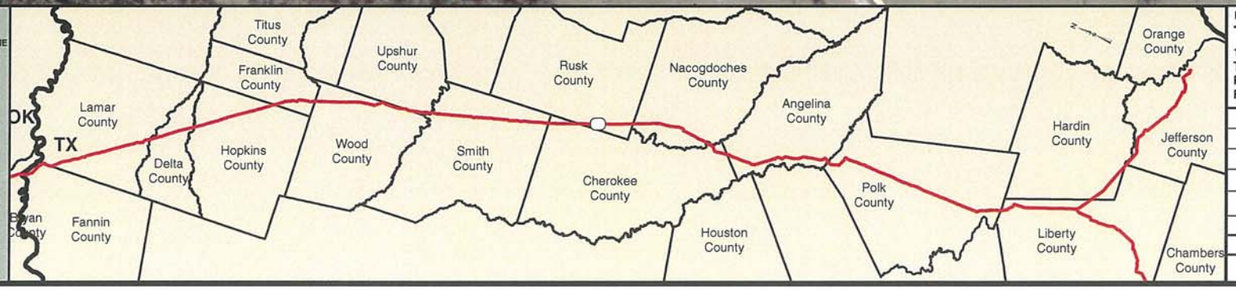


3/15/10 CENTERLINE
2008 AERIALS

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

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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RUSK COUNTY, TEXAS

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

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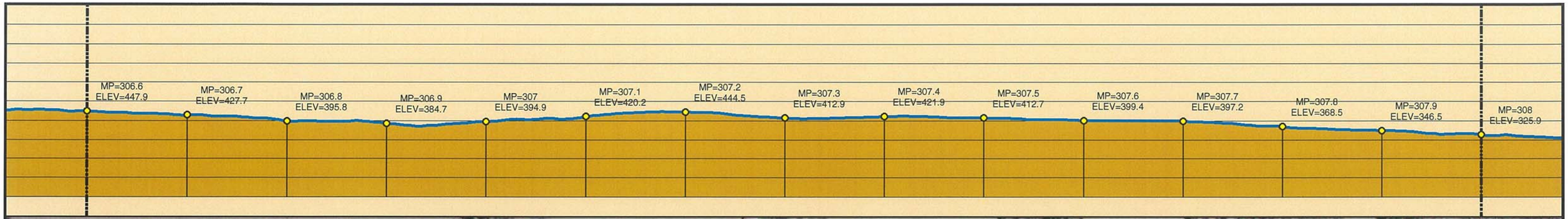
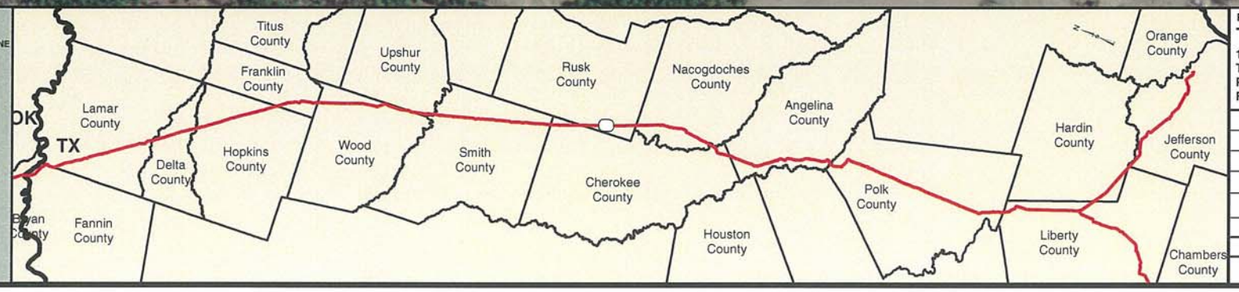
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-219 -A	219	2



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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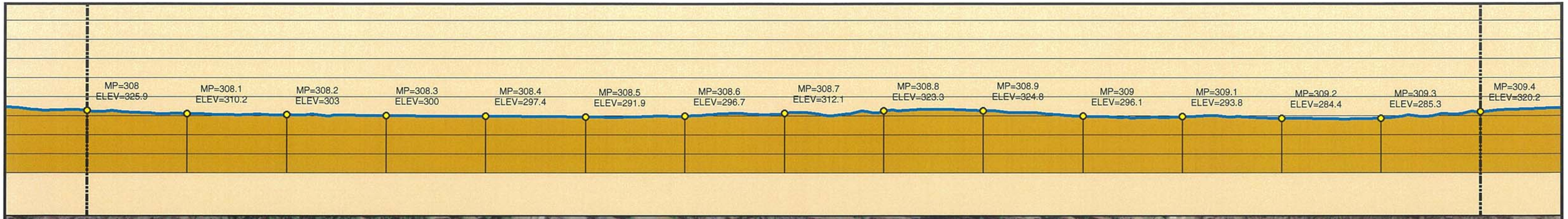
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

RUSK COUNTY, TEXAS

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-48-ML-2002-P-220 -A	220	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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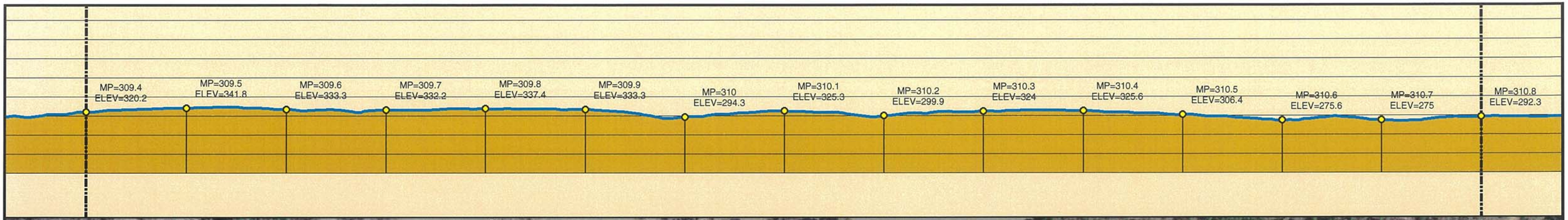
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

RUSK COUNTY, TEXAS

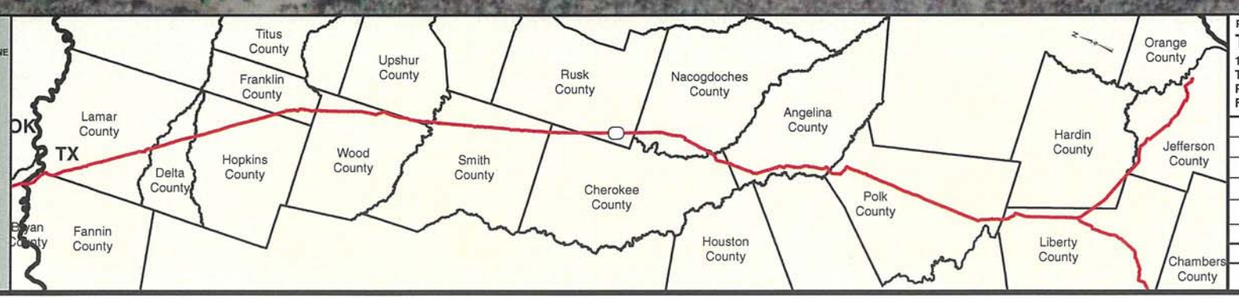
MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-221 -A	221	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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CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

RUSK COUNTY, TEXAS

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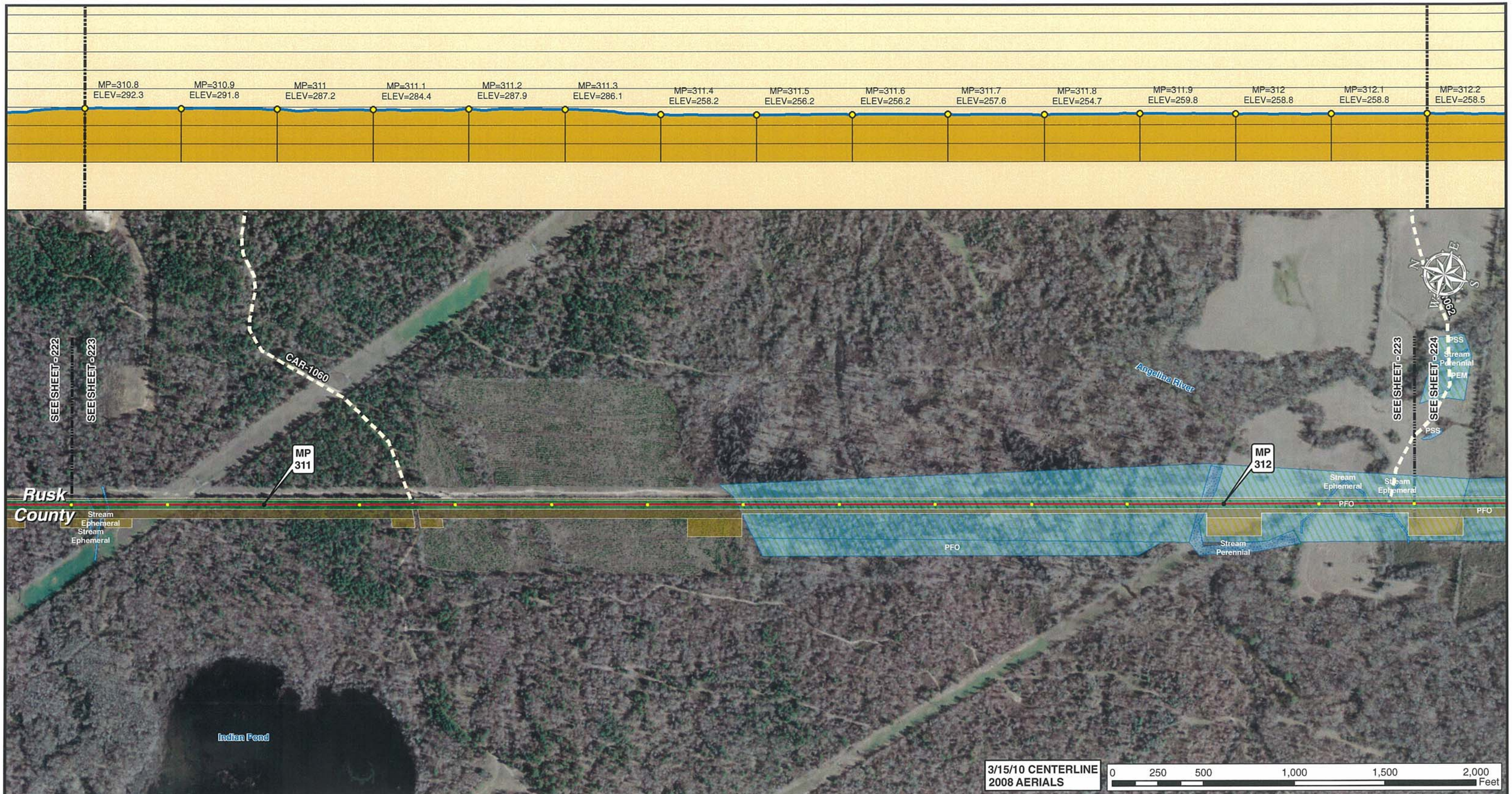
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-222 -A	222	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
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- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
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ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

RUSK COUNTY, TEXAS

MAP PARAMETERS
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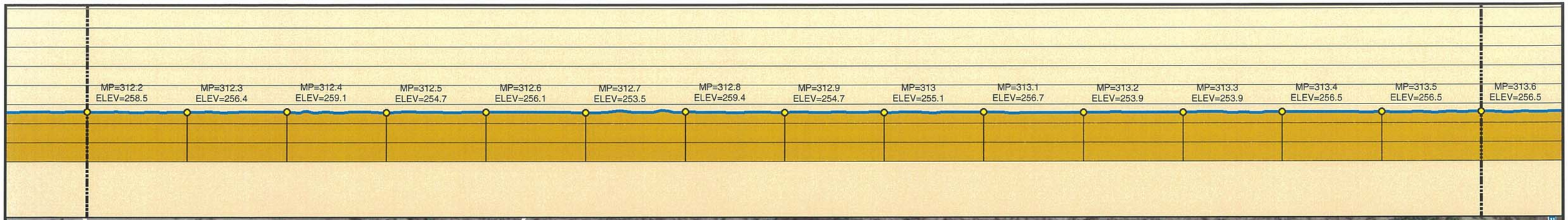
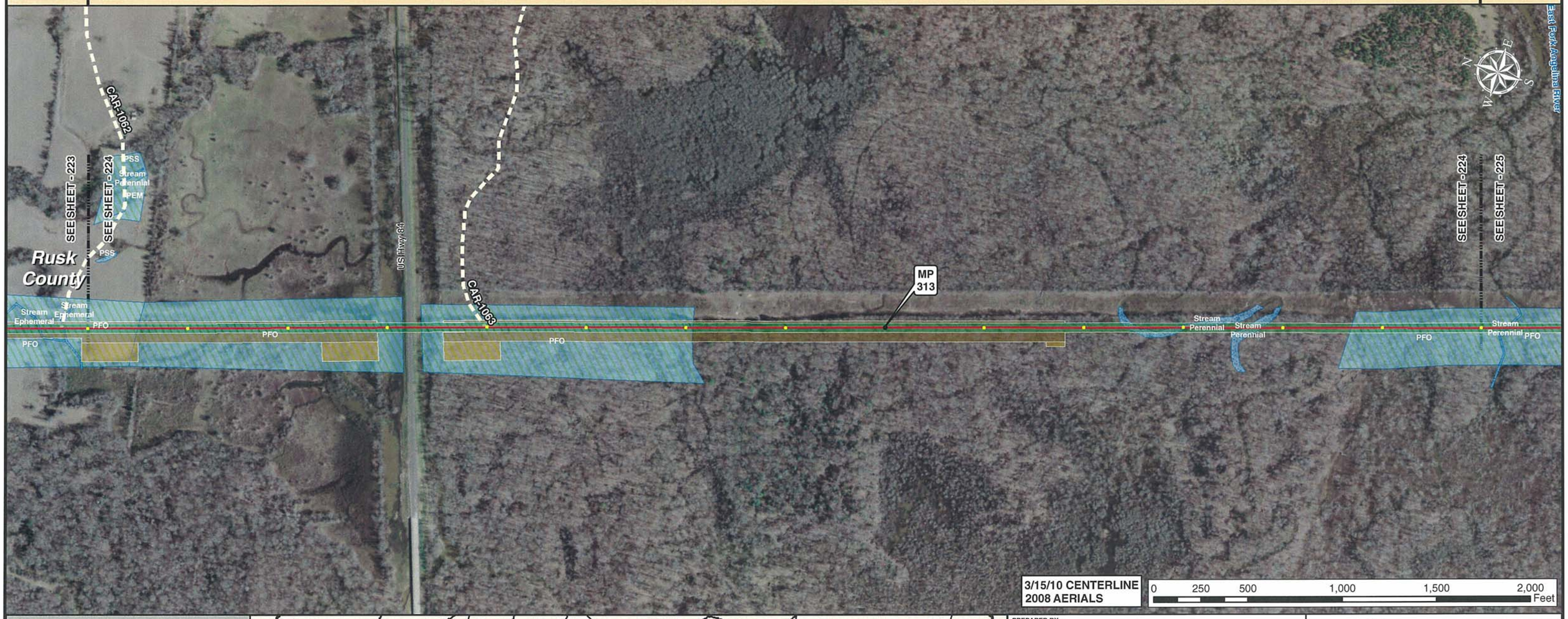
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-223 -A	223	2





3/15/10 CENTERLINE
2008 AERIALS

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

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
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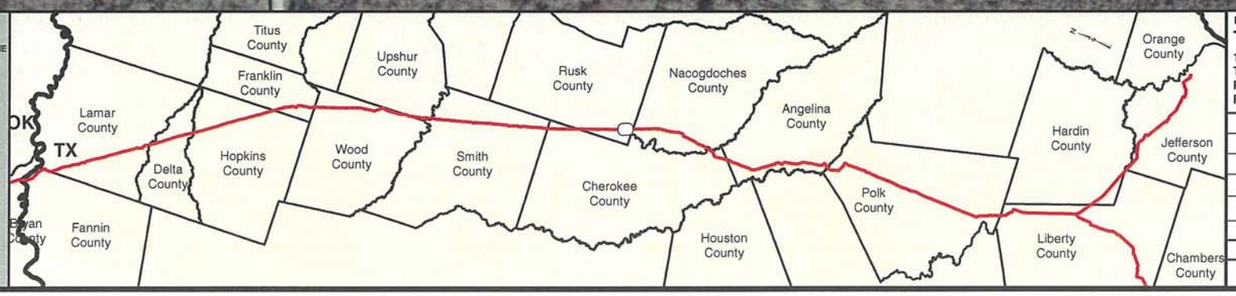
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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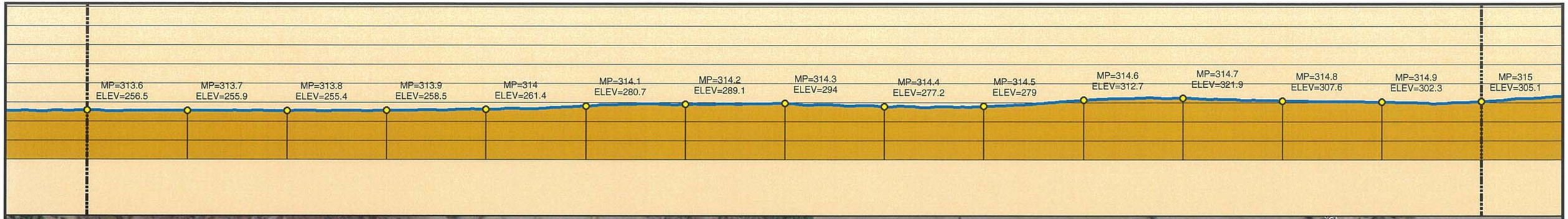
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

RUSK COUNTY, TEXAS

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-48-ML-2002-P-224 -A	224	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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- PIPE YARD/CONTRACTOR YARD
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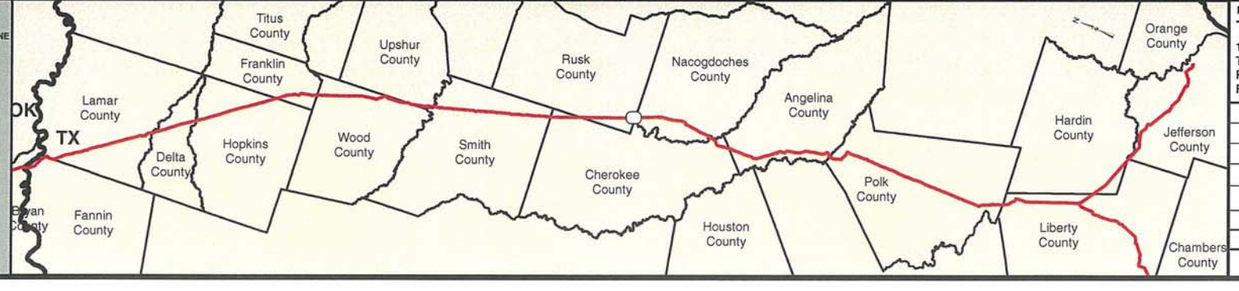
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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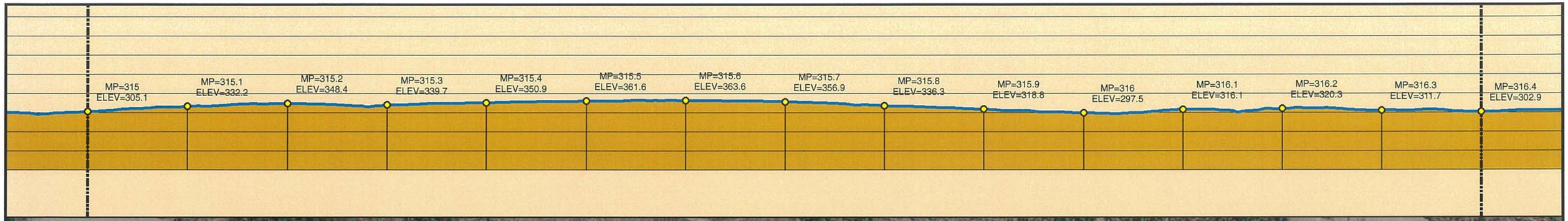
RUSK COUNTY, TEXAS

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-48-ML-2002-P-225 -A	225	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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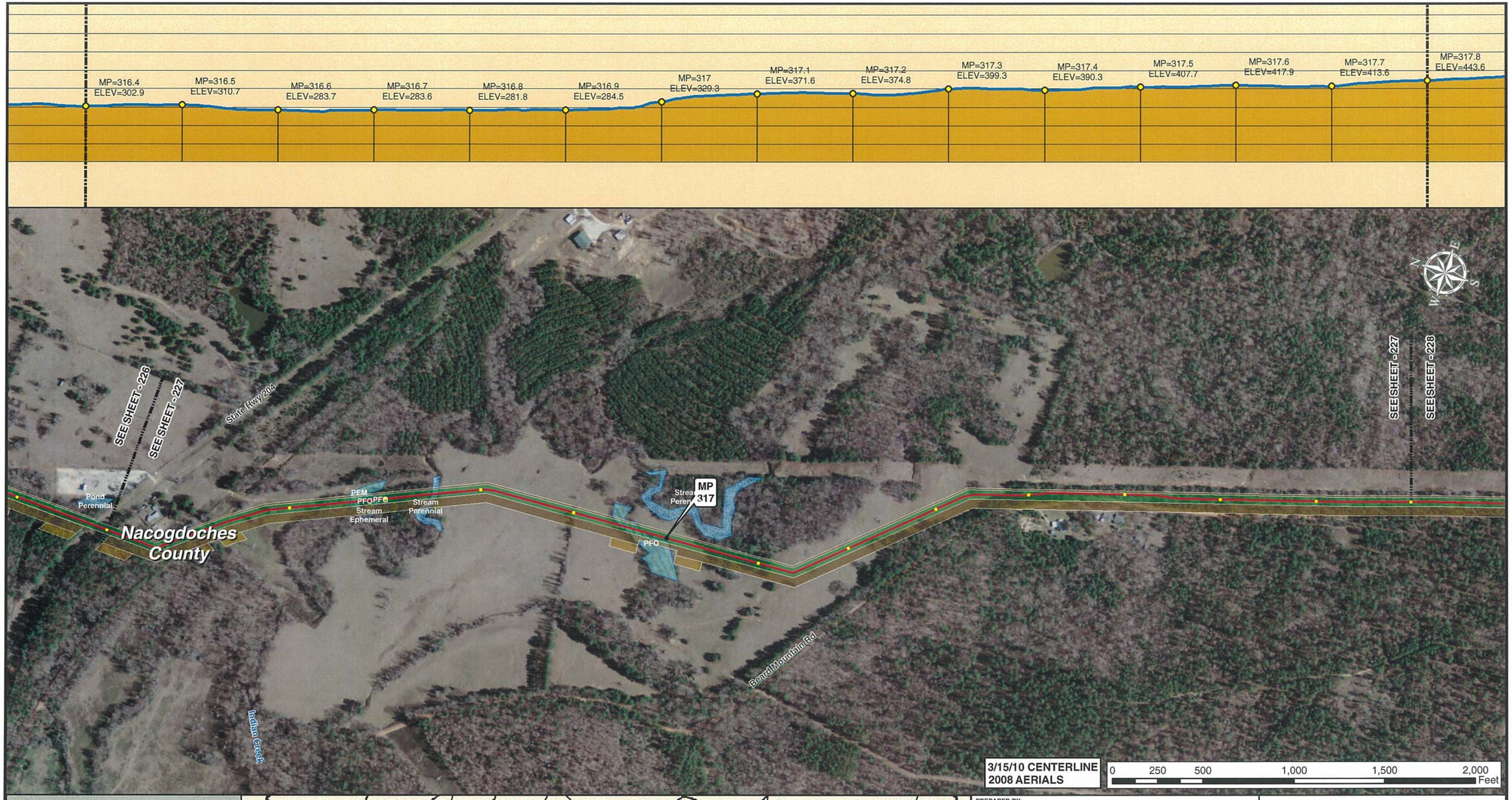
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
NACOGDOCHES COUNTY, TEXAS

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-48-ML-2002-P-226 -A	226	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
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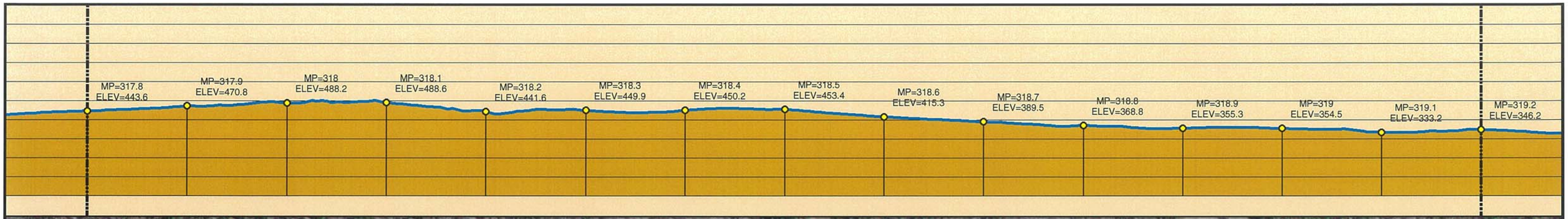
NACOGDOCHES COUNTY, TEXAS

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-48-ML-2002-P-227 -A	227	2



SEE SHEET -227

SEE SHEET -228

Nacogdoches County

MP 318

Beard Mountain Rd

MP 319

Stream Ephemeral

SEE SHEET -228

SEE SHEET -229

N E S W

3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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

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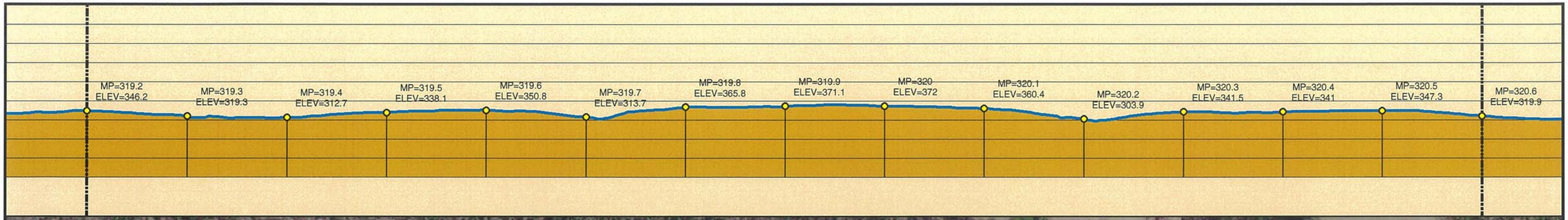
SCALE: 1:6,000; 1" = 500'

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

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-228 -A	228	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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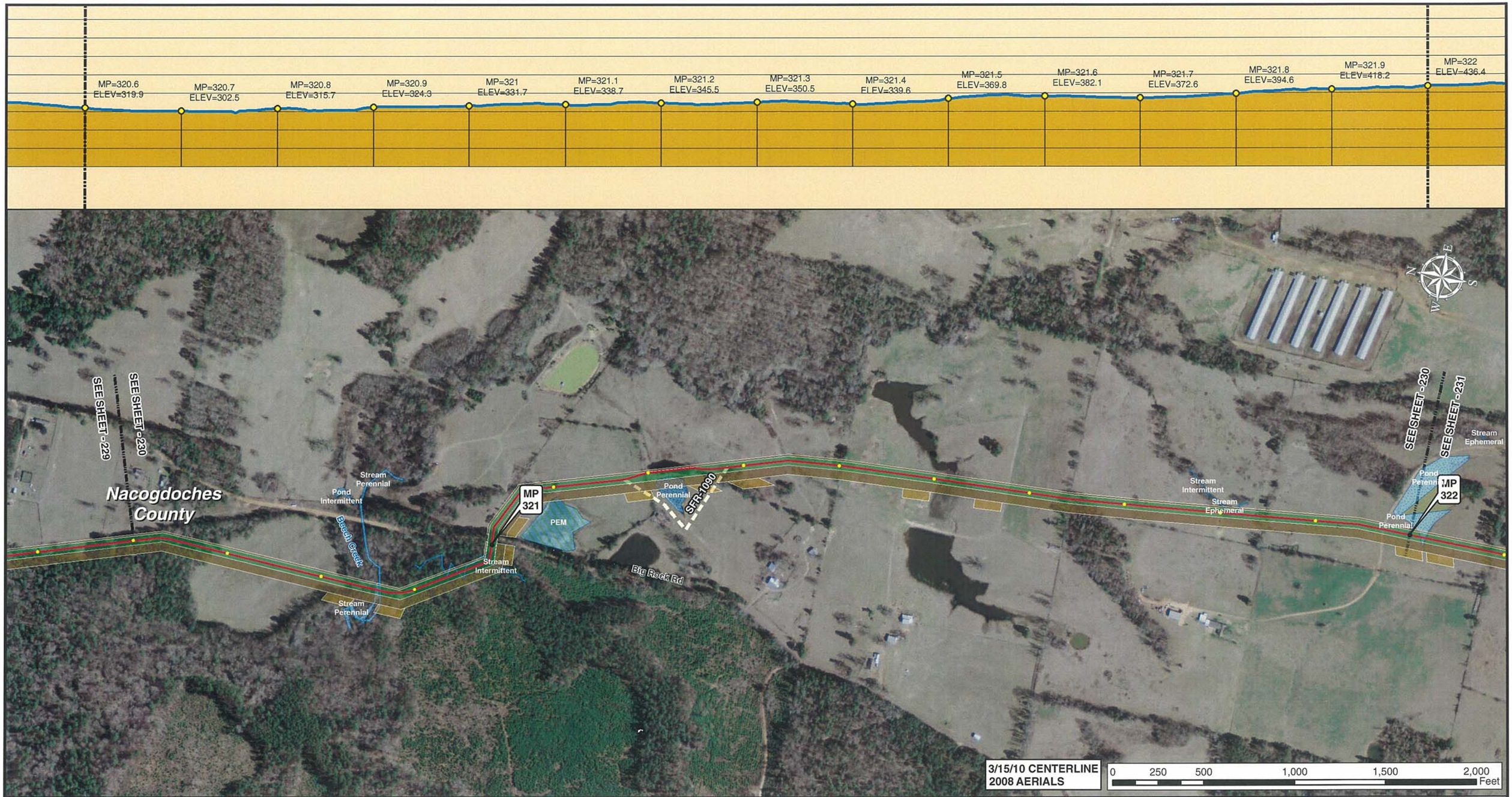
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
NACOGDOCHES COUNTY, TEXAS

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-48-ML-2002-P-229 -A	229	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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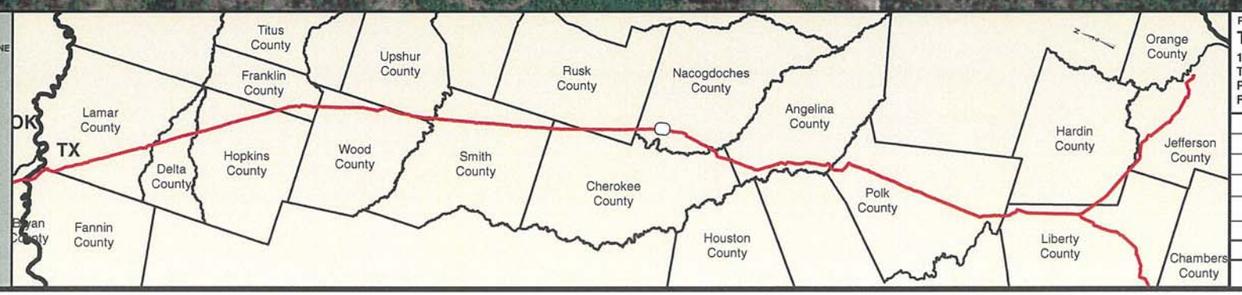
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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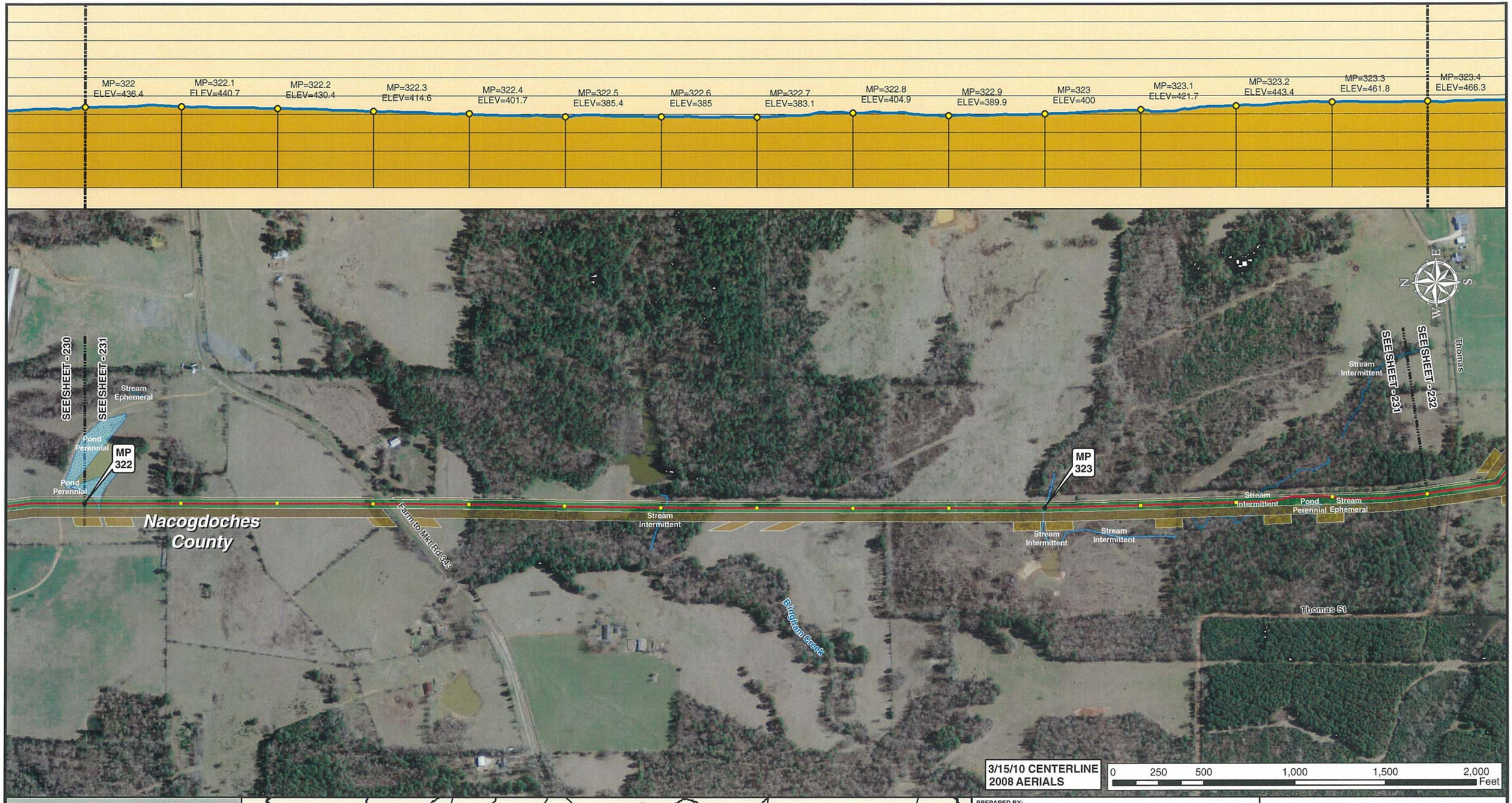
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
NACOGDOCHES COUNTY, TEXAS

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-48-ML-2002-P-230 -A	230	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
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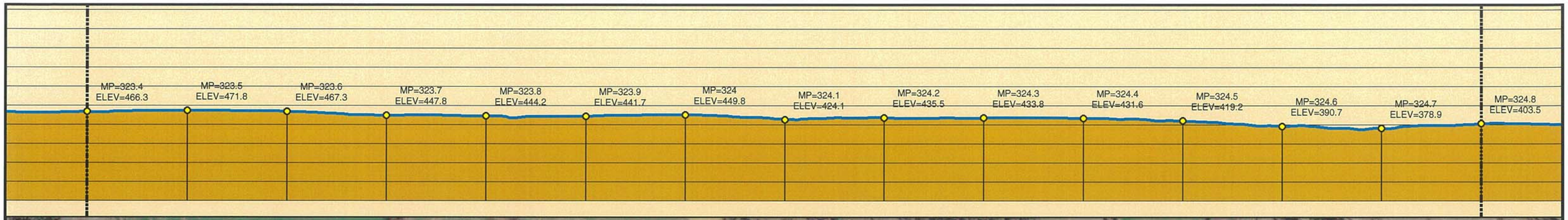
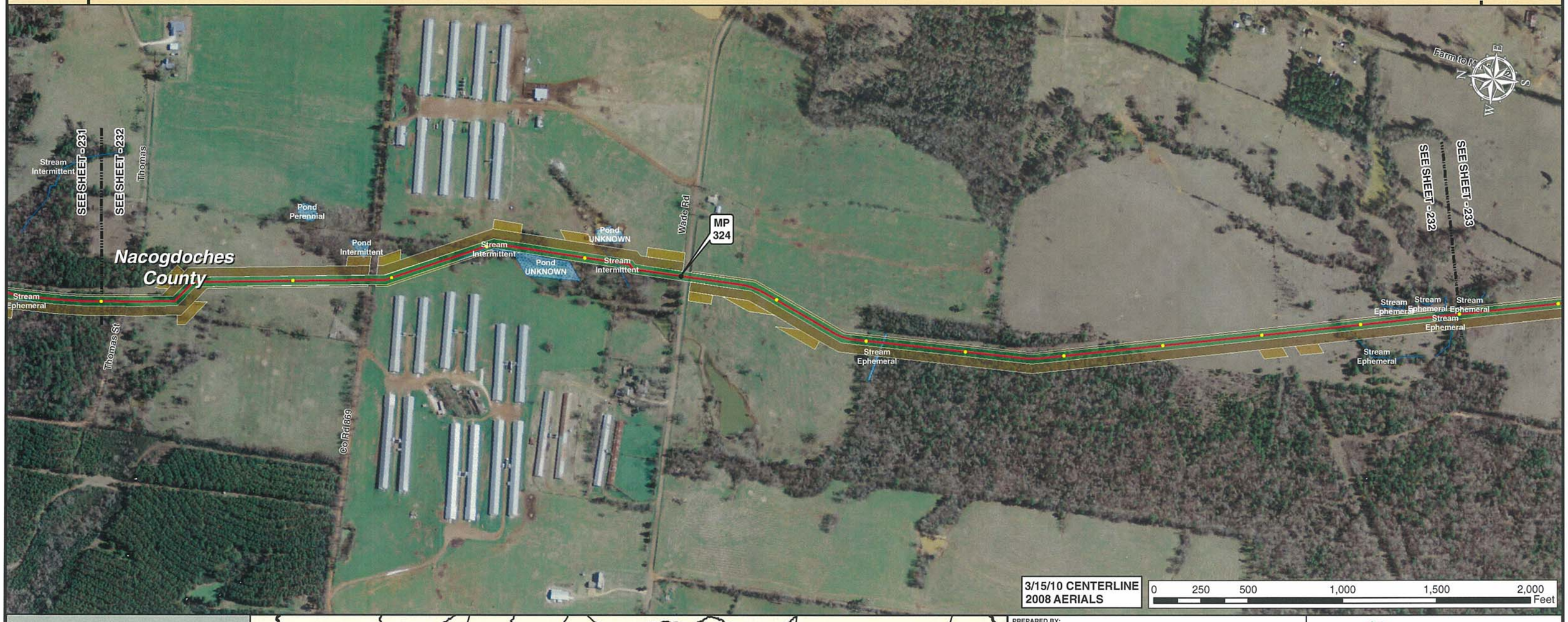
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

NACOGDOCHES COUNTY, TEXAS

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-48-ML-2002-P-231 -A	231	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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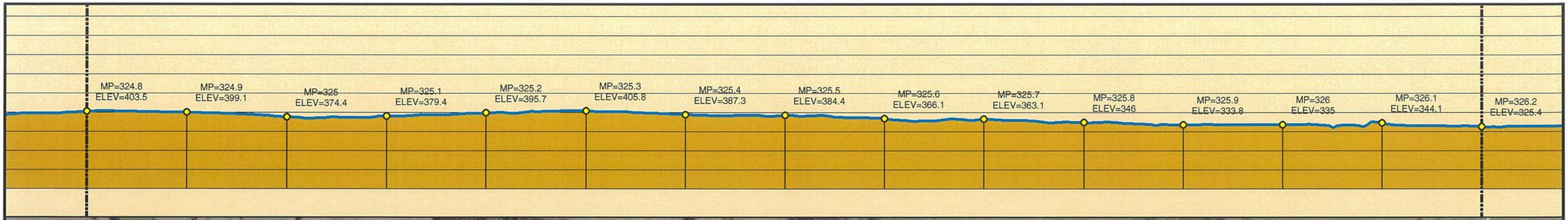
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

NACOGDOCHES COUNTY, TEXAS

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-48-ML-2002-P-232 -A	232	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
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ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
NACOGDOCHES COUNTY, TEXAS

MAP PARAMETERS
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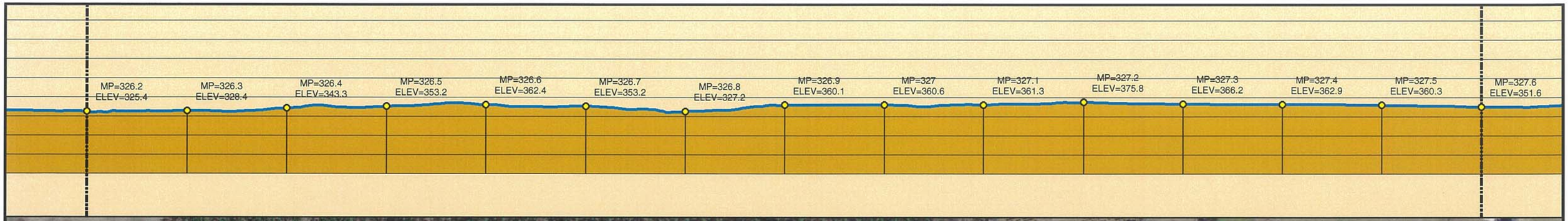
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-233 -A	233	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
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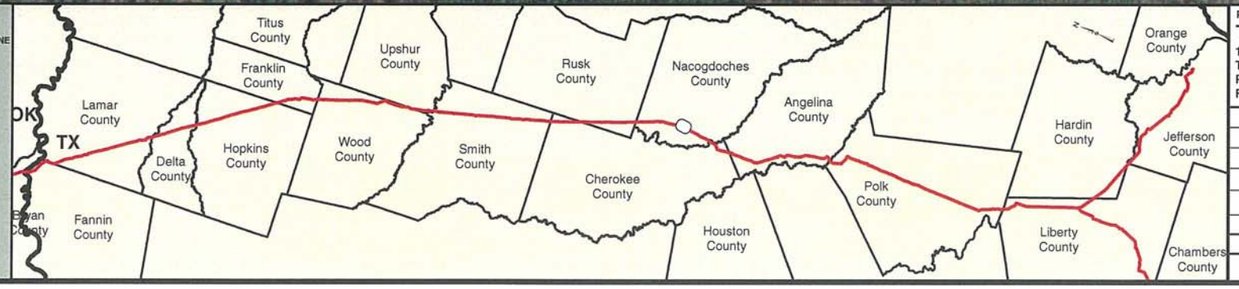
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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MAP PARAMETERS
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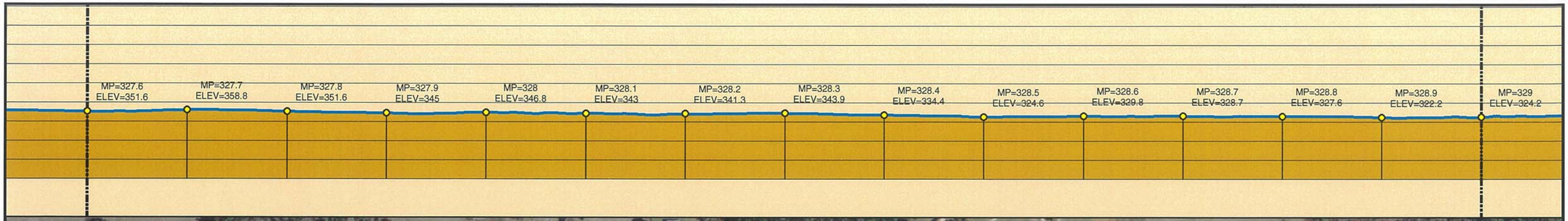
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-234 -A	234	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
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- SECTION LINE
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- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
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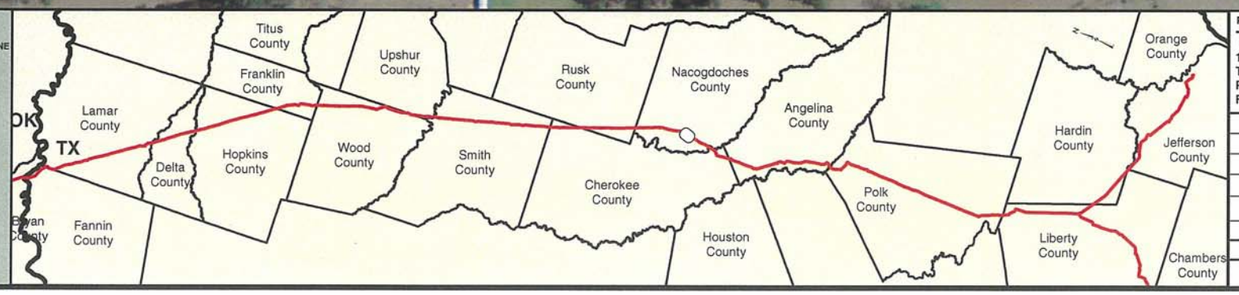
- COUNTY LINE



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NACOGDOCHES COUNTY, TEXAS

MAP PARAMETERS
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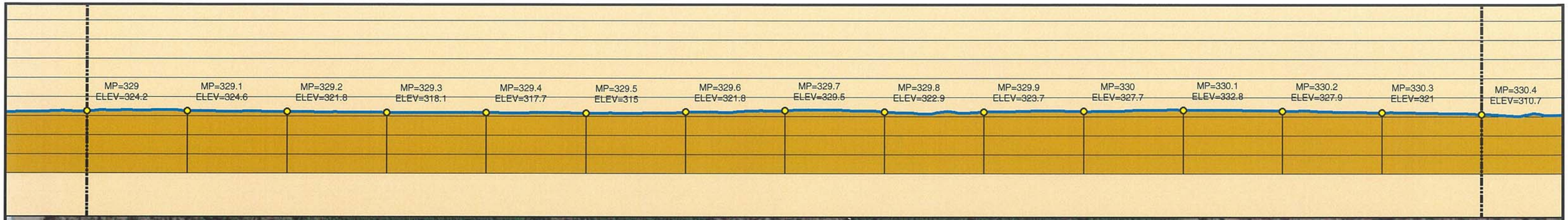
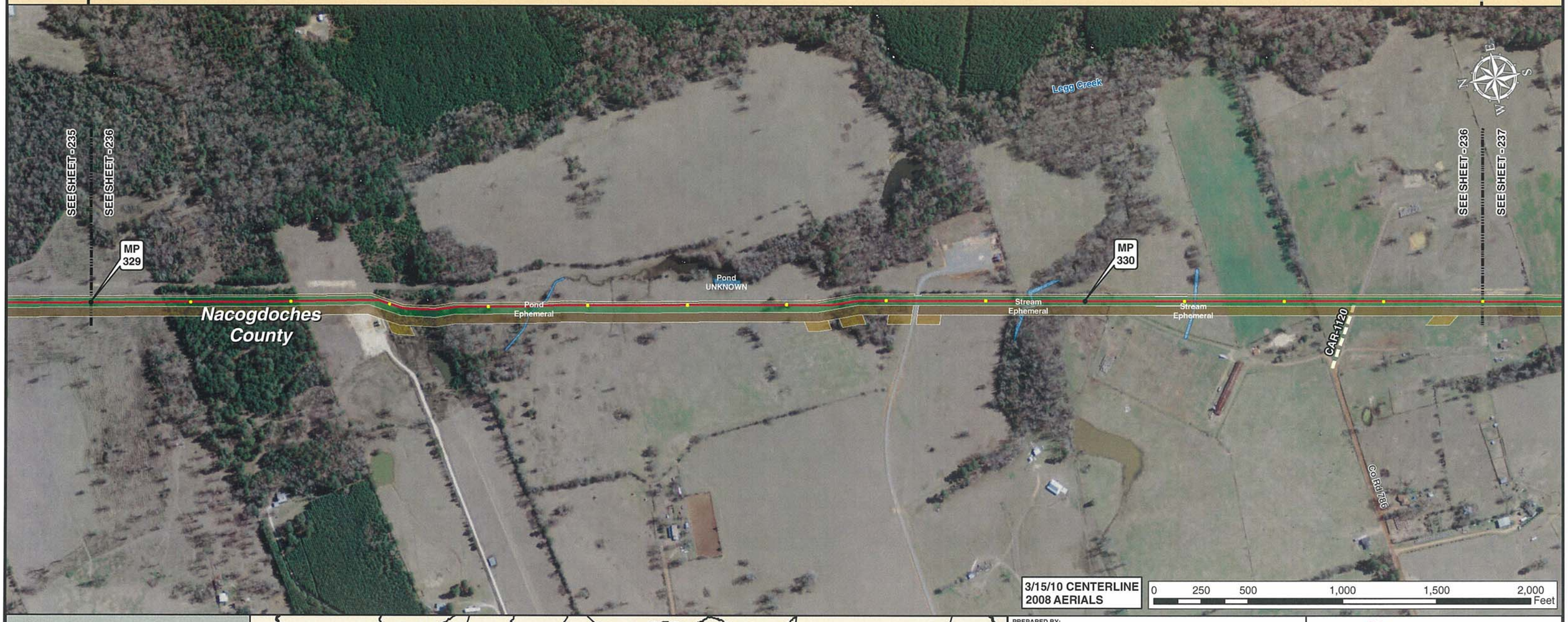
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-235 -A	235	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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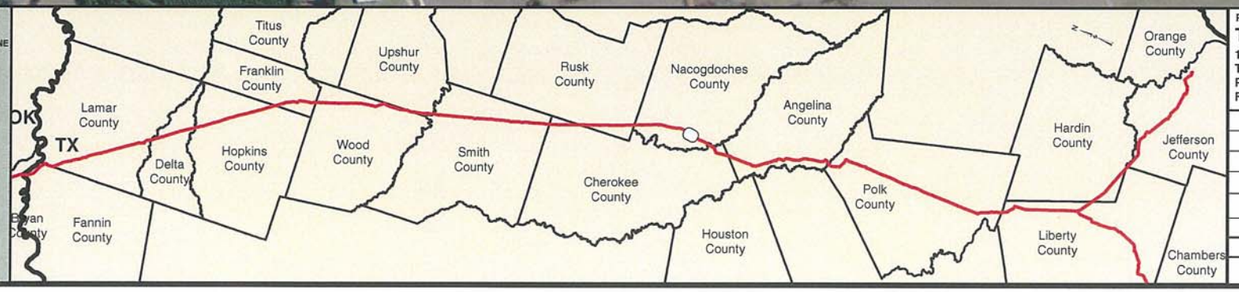
- WETLAND
- COUNTY LINE
- SECTION LINE



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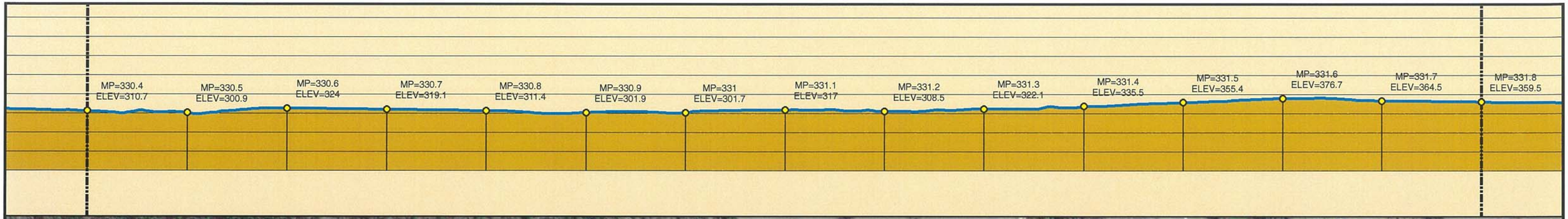
In business to deliver

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

NACOGDOCHES COUNTY, TEXAS

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-48-ML-2002-P-236 -A	236	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
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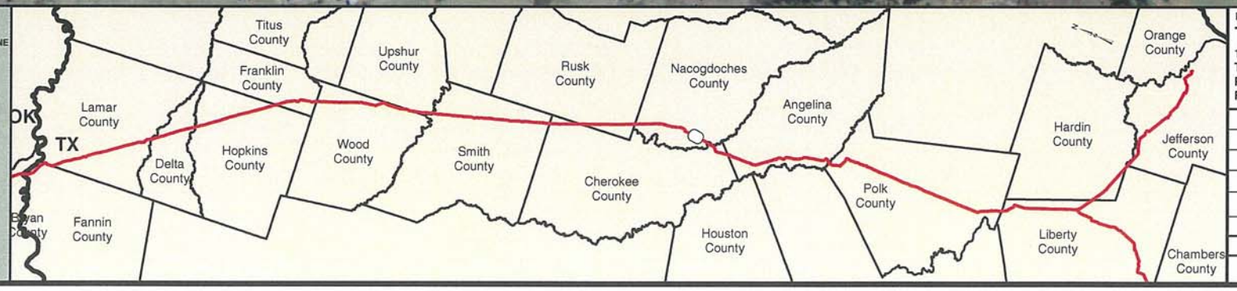
- COUNTY LINE
- SECTION LINE



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

NACOGDOCHES COUNTY, TEXAS

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

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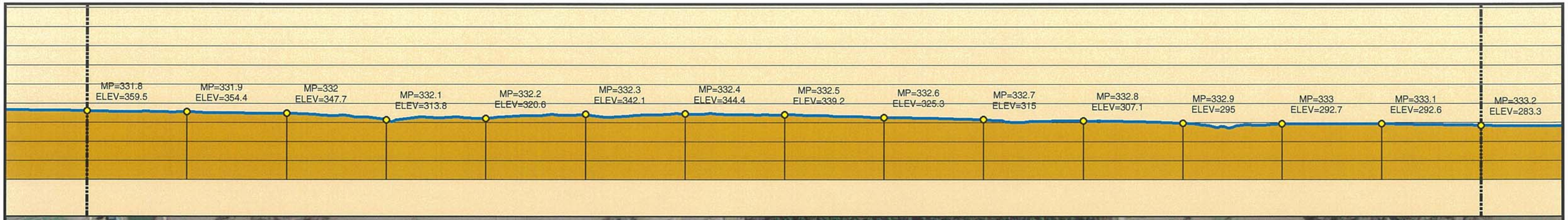
GS	SS	RG	50388X	XL-48-ML-2002-P-237 -A	237	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
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- VALVE
- KEYSTONE XL PROJECT
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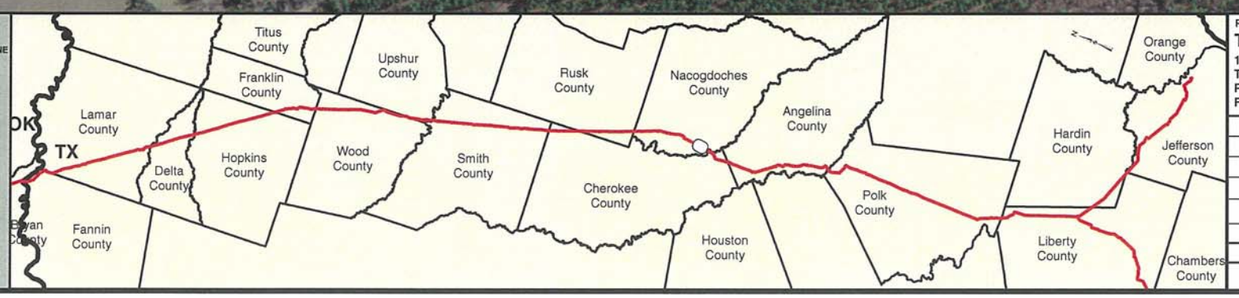

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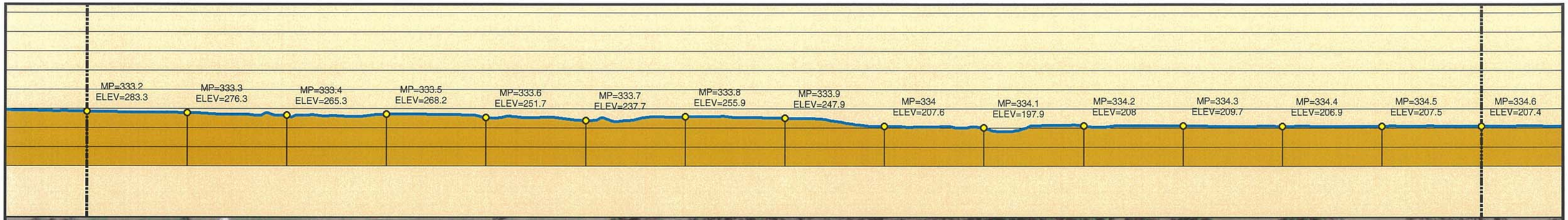
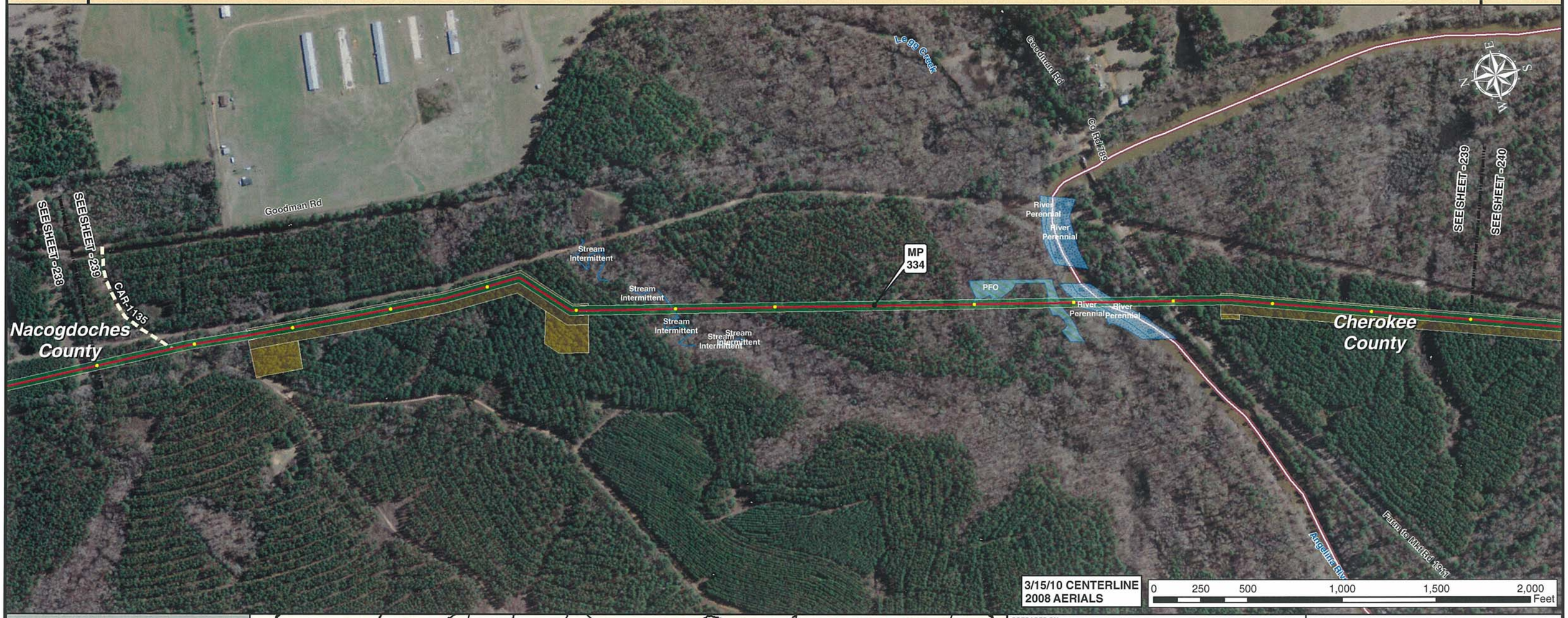
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
NACOGDOCHES COUNTY, TEXAS

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-48-ML-2002-P-238 -A	238	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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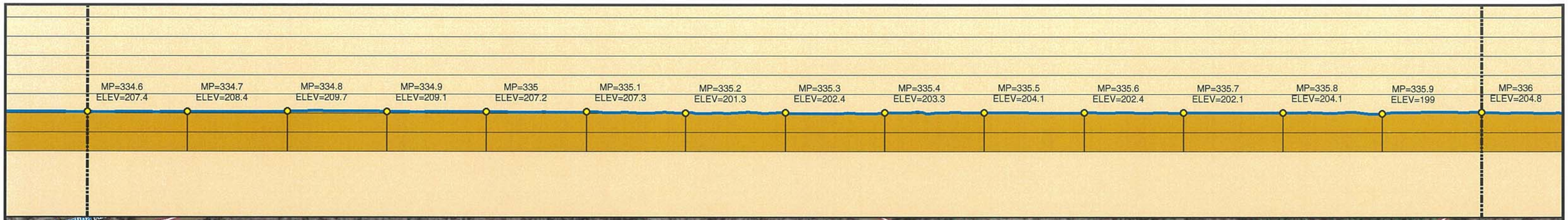
2	ISSUED FOR DEIS COMMENT SUBMITTAL TO U.S. DEPT. OF STATE (3.15.10 CL)	5.19.10
1	ISSUED FOR SUPPLEMENTAL U.S. DEPT. OF STATE FILING (2.19.09 CL)	7.6.09
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

TransCanada
In business to deliver

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

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-48-ML-2002-P-239 -A	239	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
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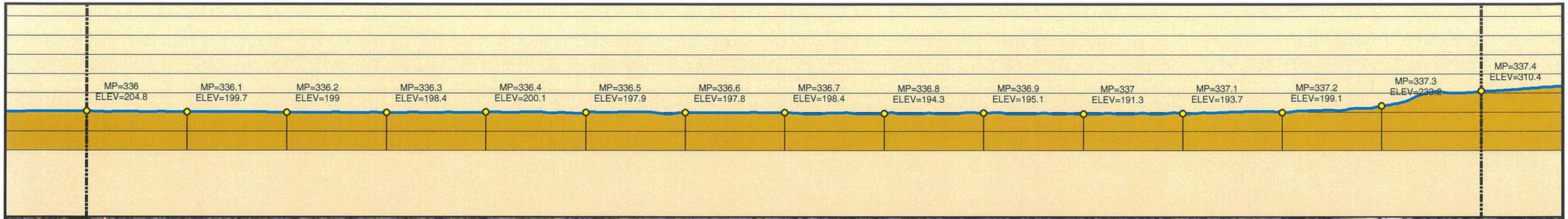
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

TransCanada
In business to deliver

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

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-48-ML-2002-P-240 -A	240	2



Legend

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- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
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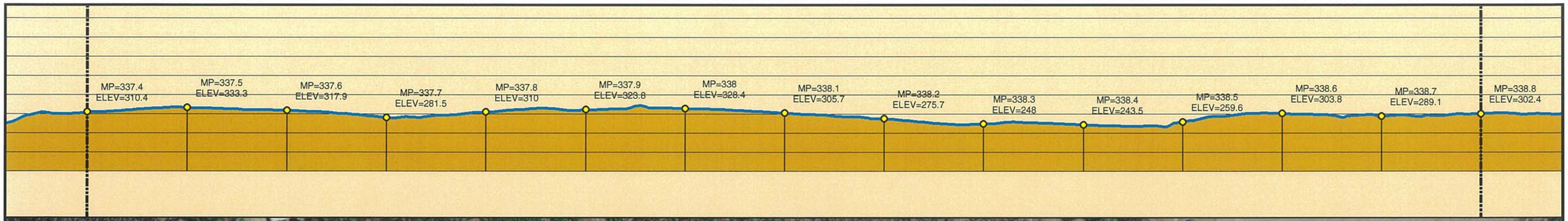
In business to deliver

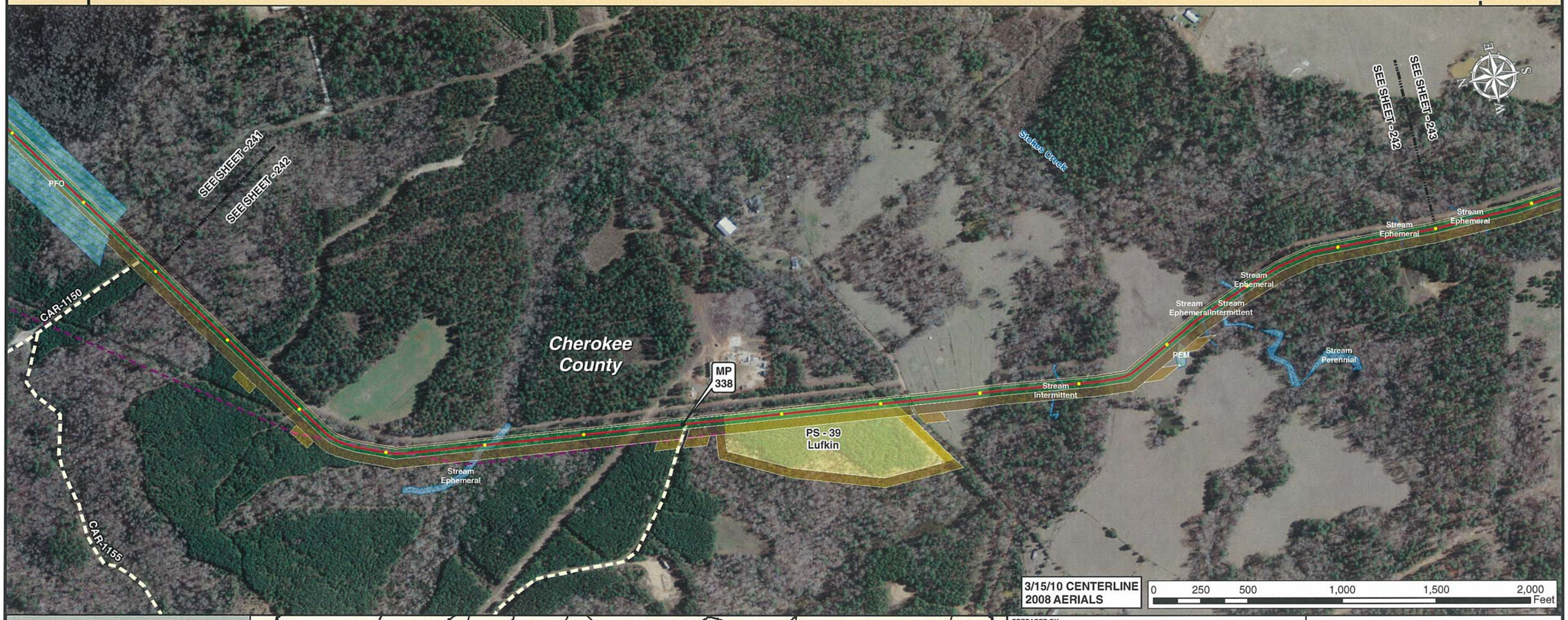
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

CHEROKEE COUNTY, TEXAS

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-48-ML-2002-P-241 -A	241	2





Legend

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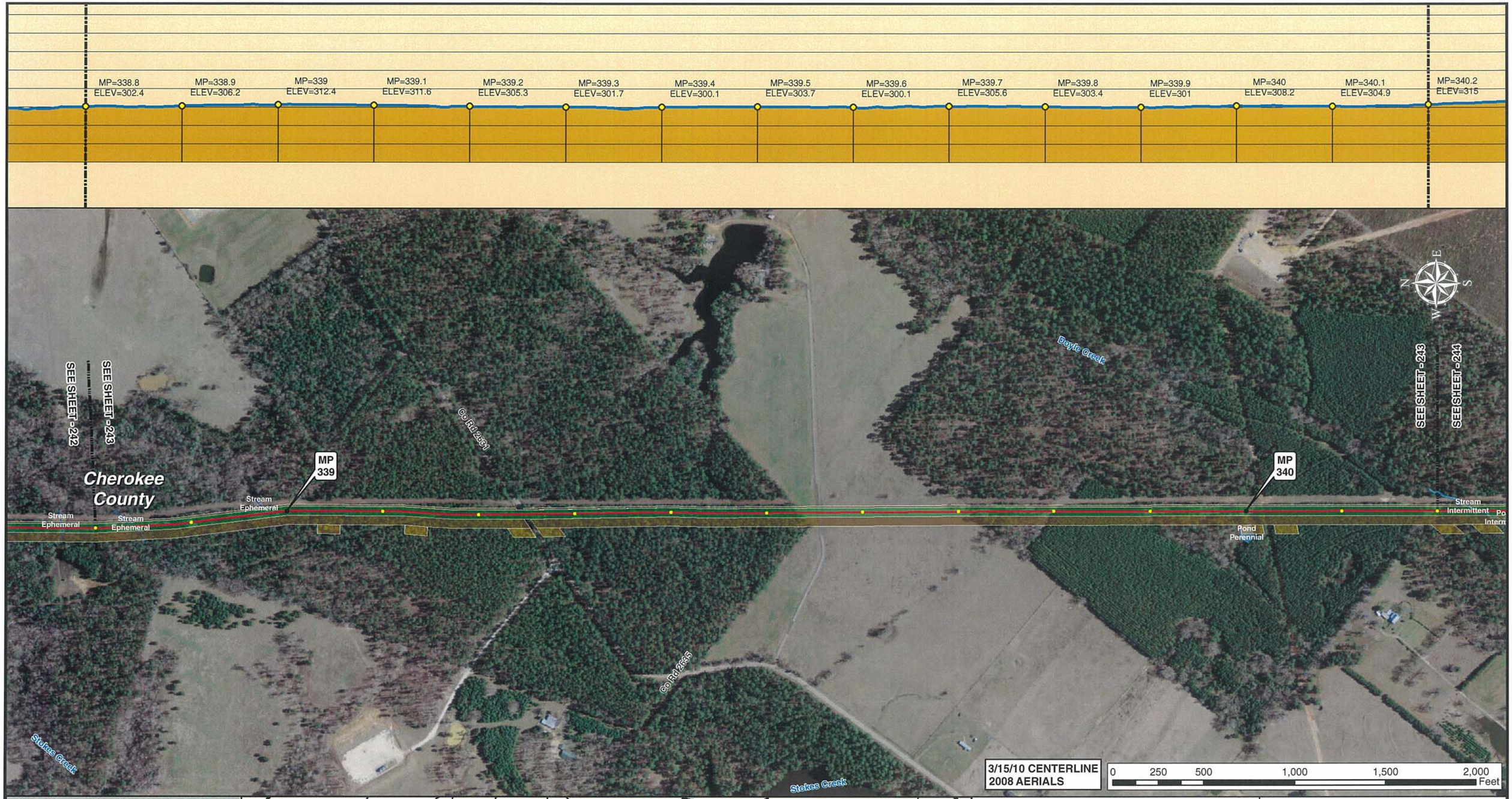
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

CHEROKEE COUNTY, TEXAS

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-48-ML-2002-P-242 -A	242	2



Legend

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- 0.1 MILE TICK MARK
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- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
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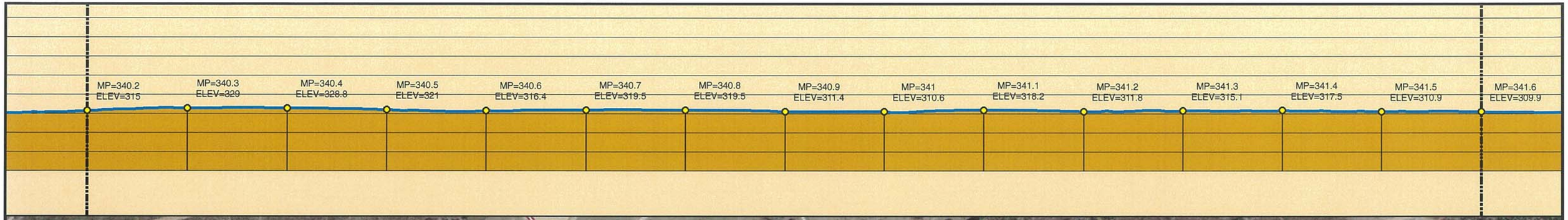
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

CHEROKEE COUNTY, TEXAS

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-48-ML-2002-P-243 -A	243	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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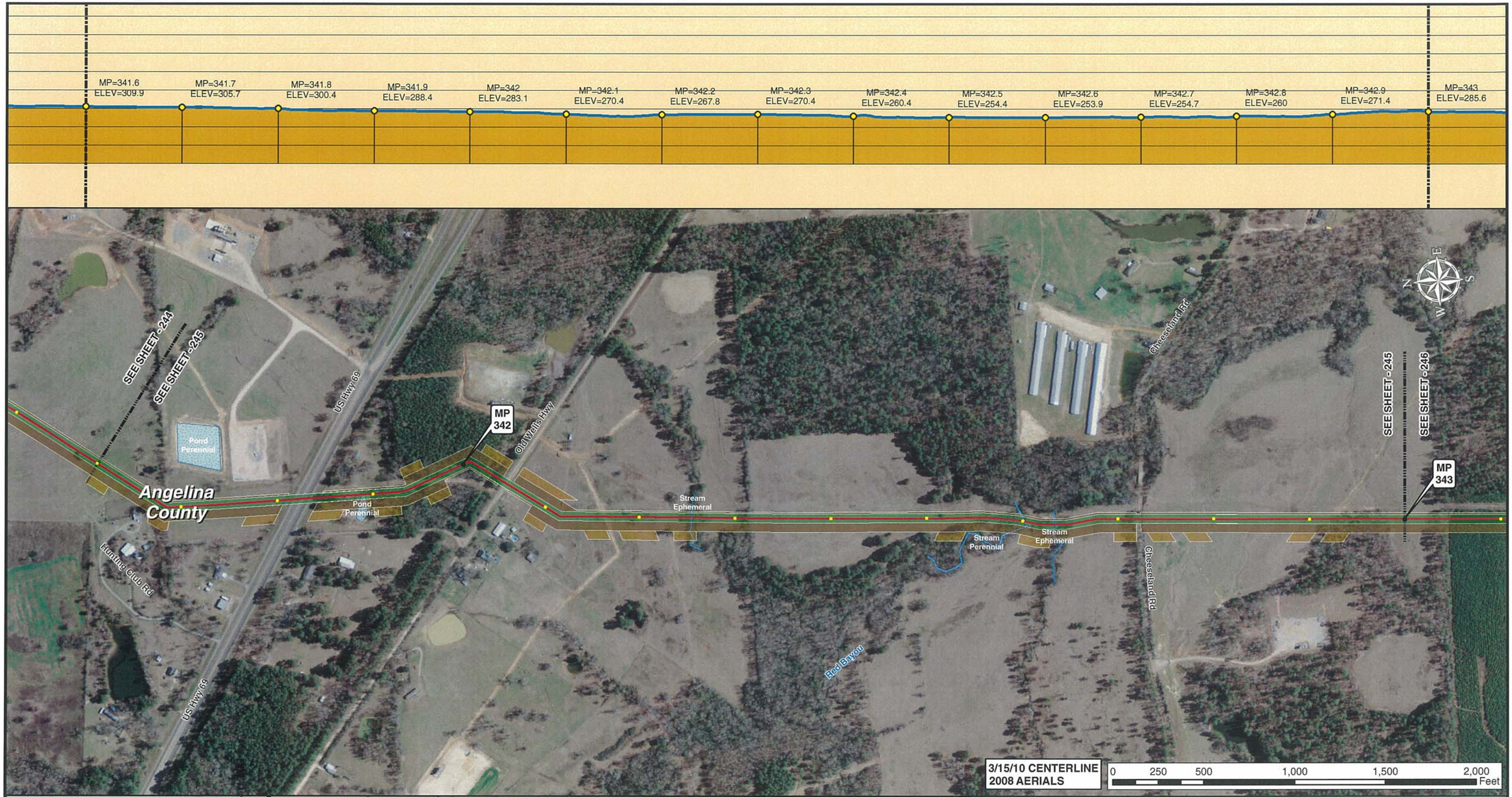
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

ANGELINA COUNTY, TEXAS

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-48-ML-2002-P-244 -A	244	2



Legend

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- VALVE
- KEYSTONE XL PROJECT
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- TEMPORARY EASEMENT
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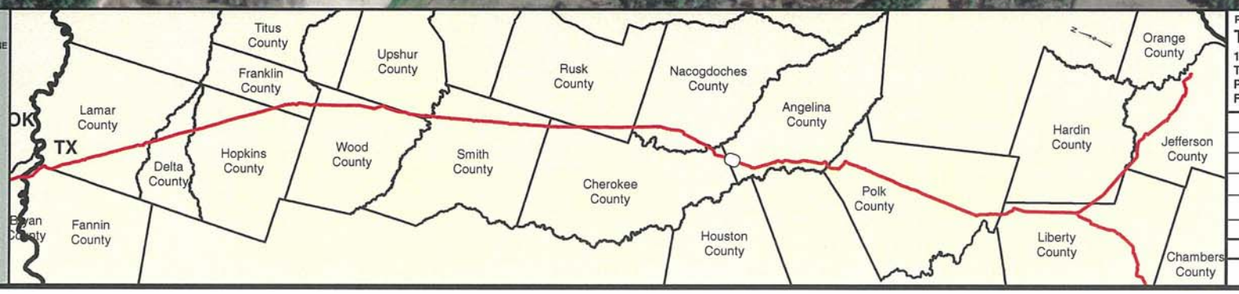

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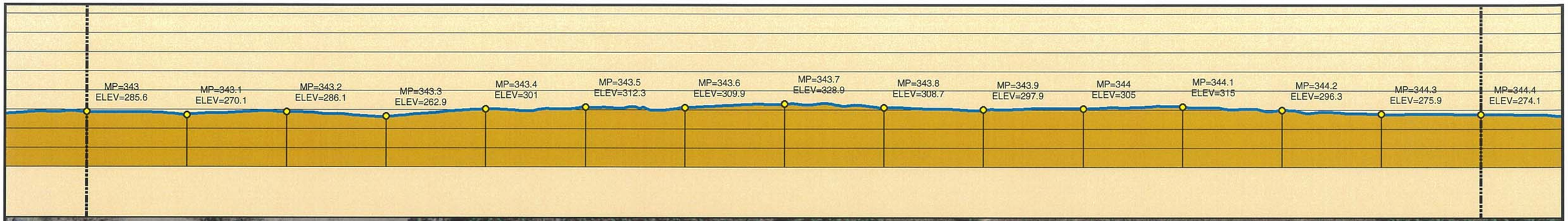
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-245 -A	245	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
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CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

ANGELINA COUNTY, TEXAS

MAP PARAMETERS
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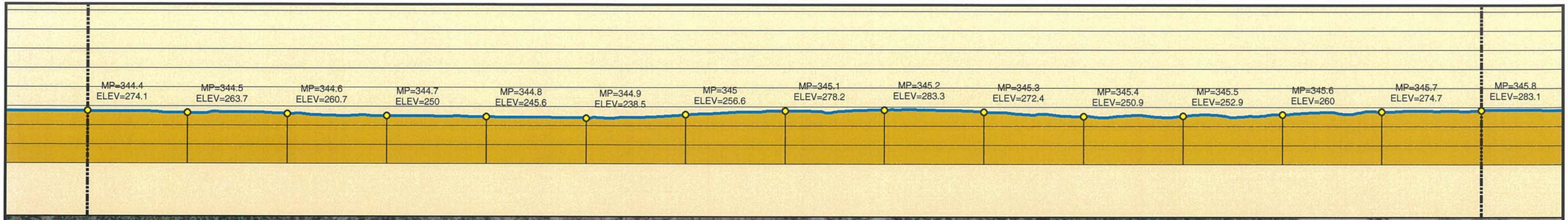
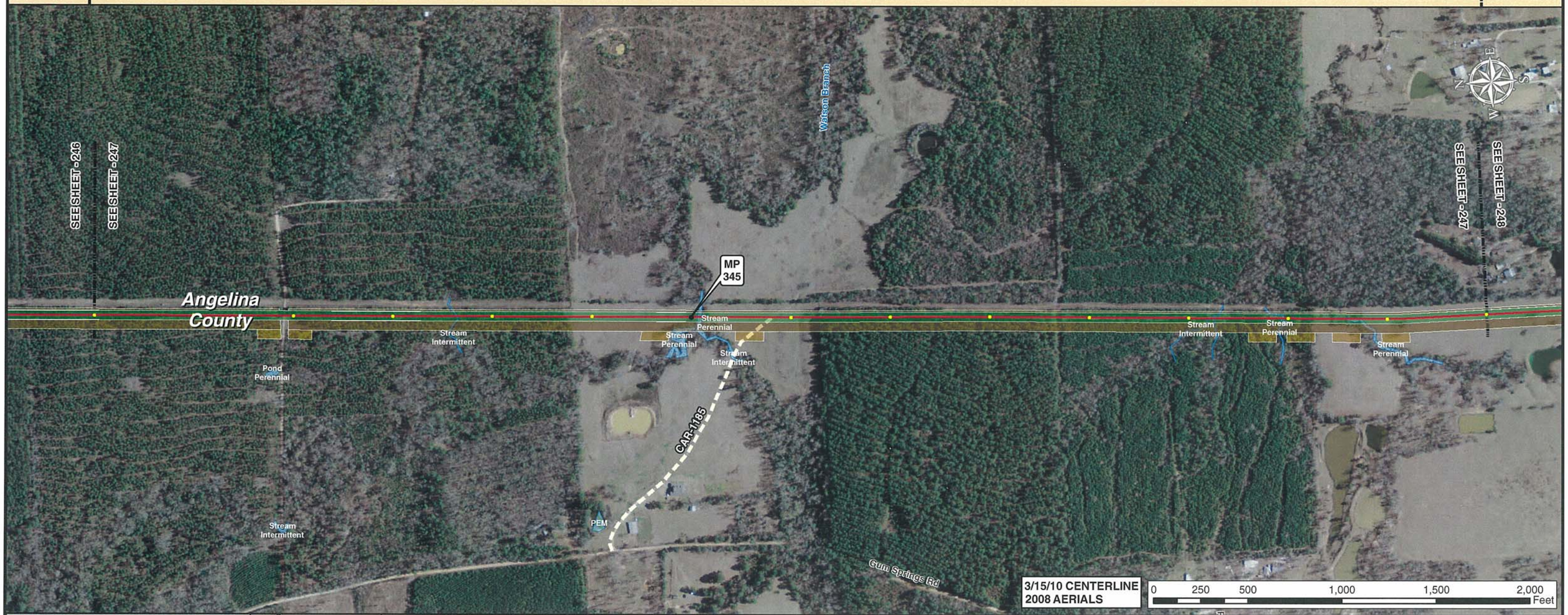
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-246 -A	246	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
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MAP PARAMETERS
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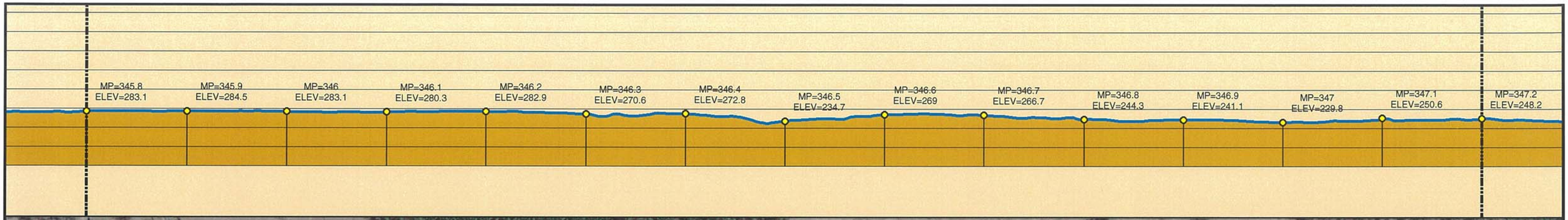
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-247 -A	247	2



Legend

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- VALVE
- KEYSTONE XL PROJECT
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- TEMPORARY EASEMENT
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ROUTE SHEETS
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ANGELINA COUNTY, TEXAS

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

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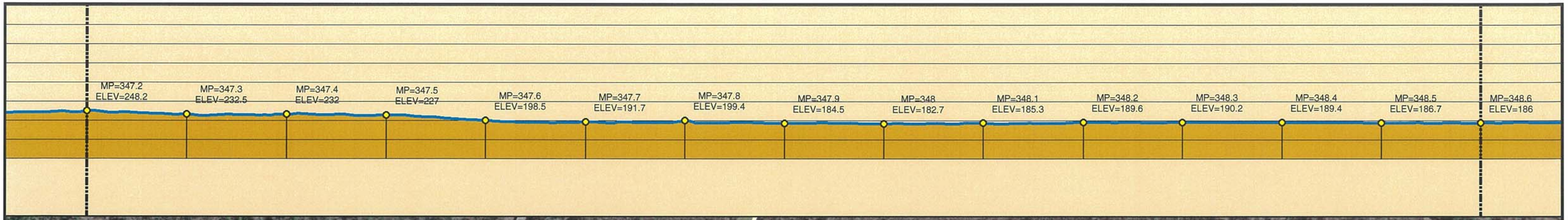
GS	SS	RG	50388X	XL-48-ML-2002-P-248 -A	248	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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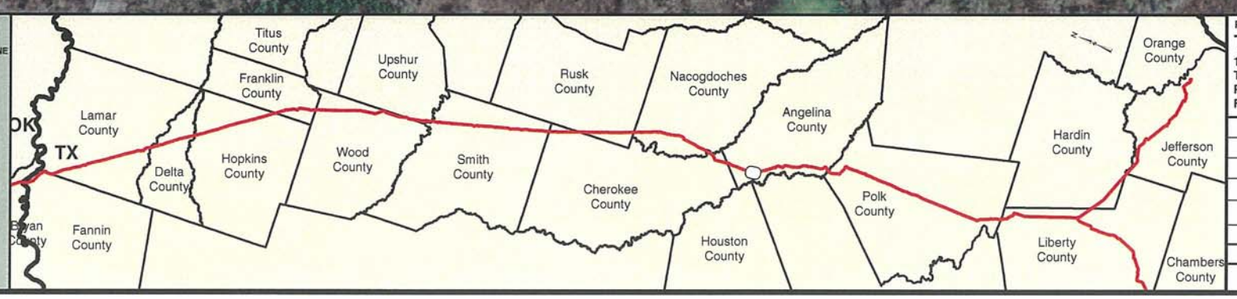

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ANGELINA COUNTY, TEXAS

MAP PARAMETERS
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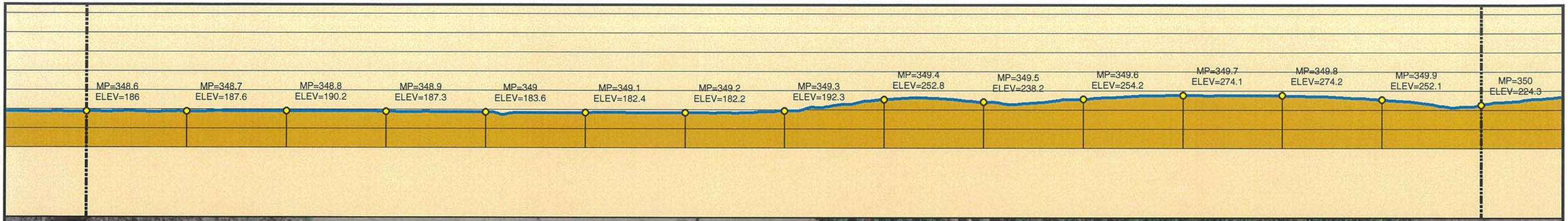
GS	SS	RG	50388X	XL-48-ML-2002-P-249 -A	249	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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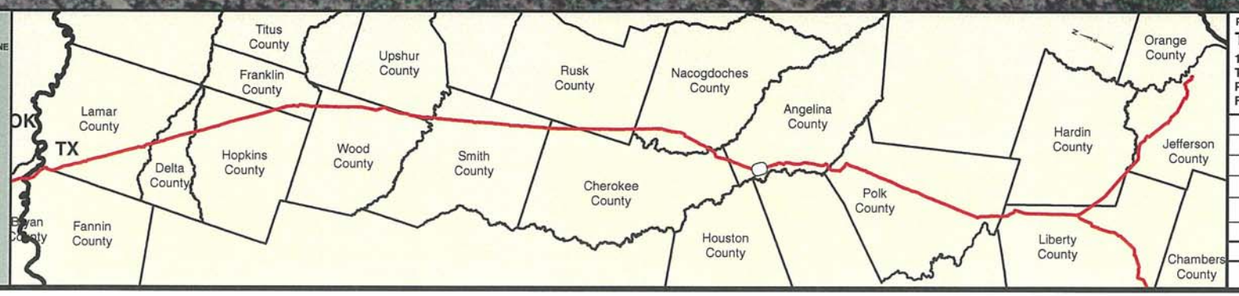

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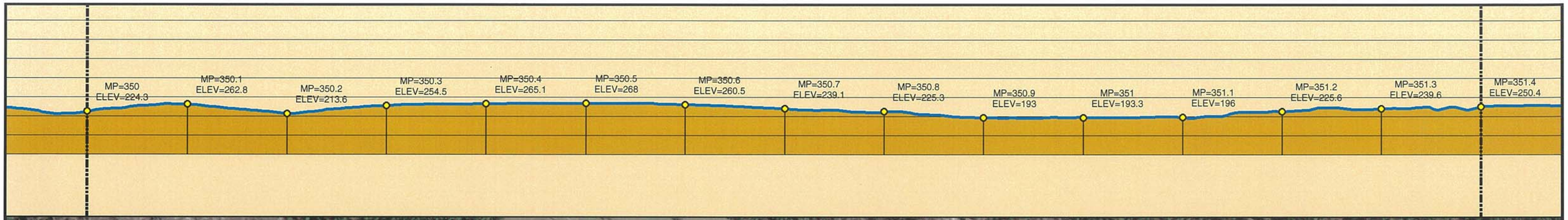
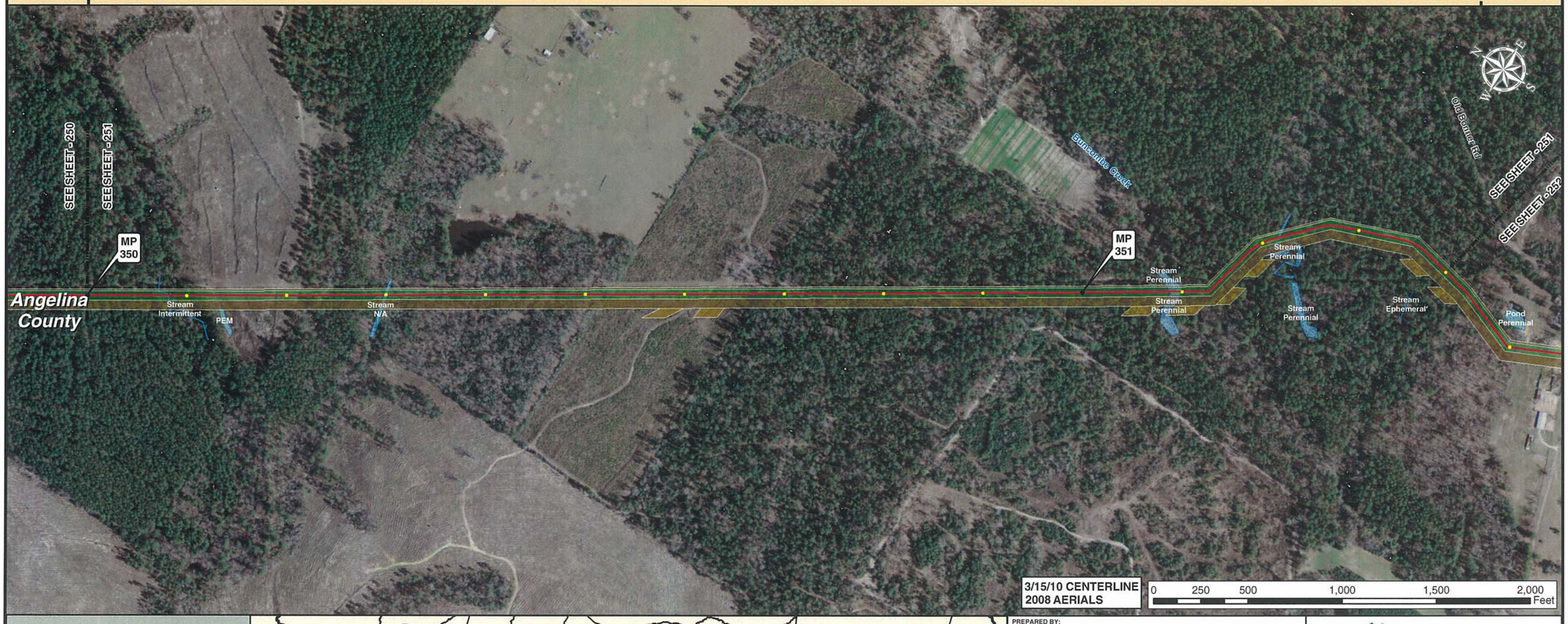
GS	SS	RG	50388X	XL-48-ML-2002-P-250 -A	250	2





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

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In business to deliver

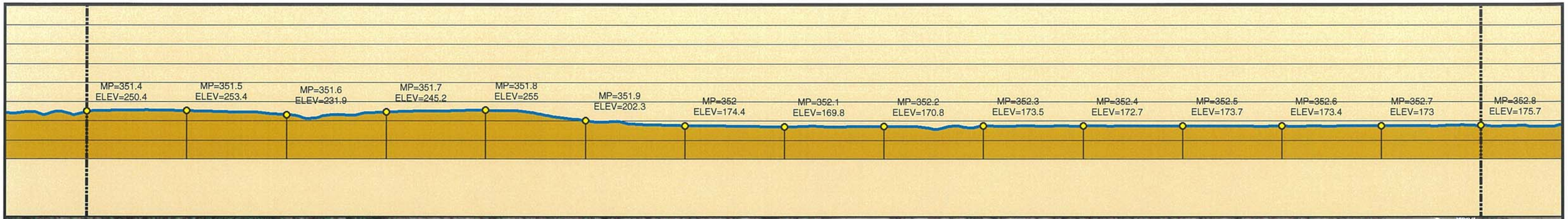
NO.	REVISION	DATE
2	ISSUED FOR DEIS COMMENT SUBMITTAL TO U.S. DEPT. OF STATE (3.15.10 CL)	5.19.10
1	ISSUED FOR SUPPLEMENTAL U.S. DEPT. OF STATE FILING (2.19.09 CL)	7.6.09
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

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

ANGELINA COUNTY, TEXAS

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-48-ML-2002-P-251 -A	251	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
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- WETLAND
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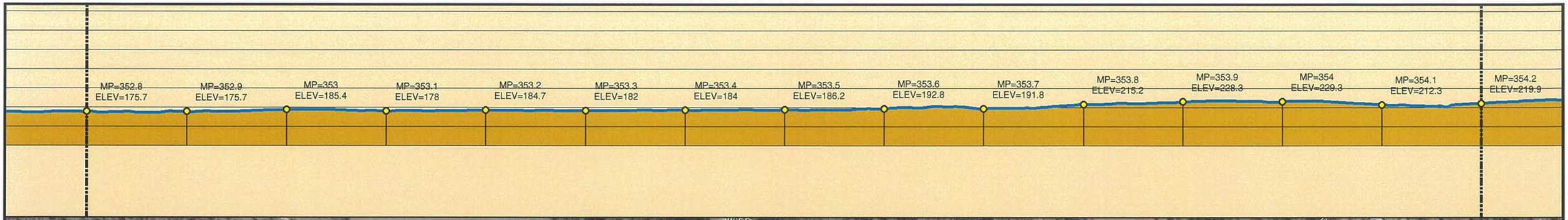
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

ANGELINA COUNTY, TEXAS

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-48-ML-2002-P-252 -A	252	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
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KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

ANGELINA COUNTY, TEXAS

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

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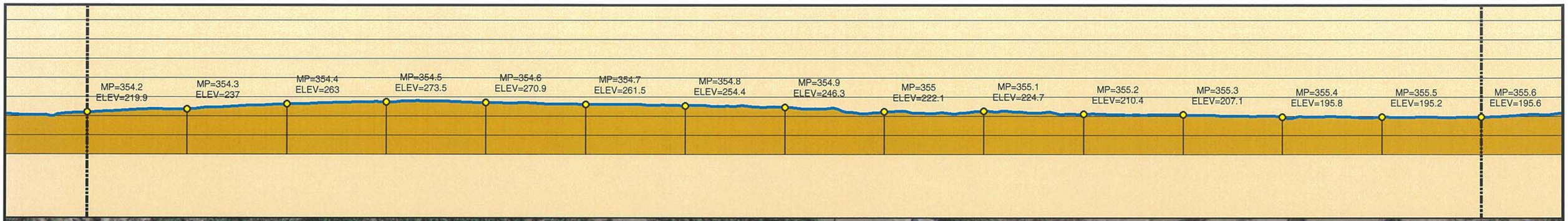
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-253 -A	253	2



Legend

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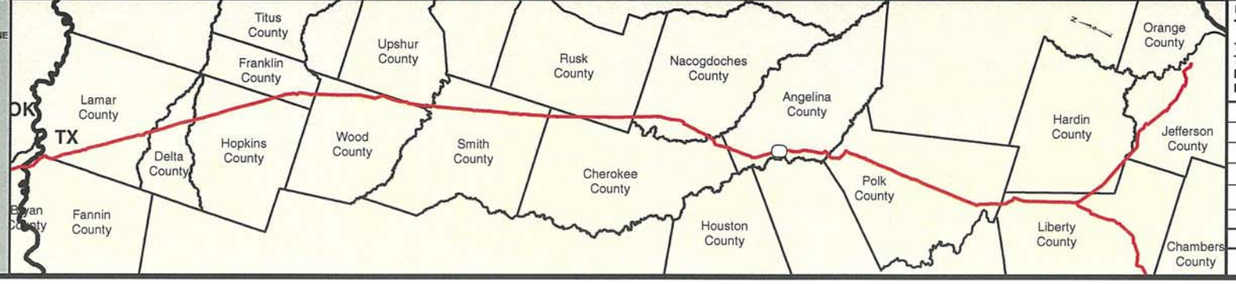
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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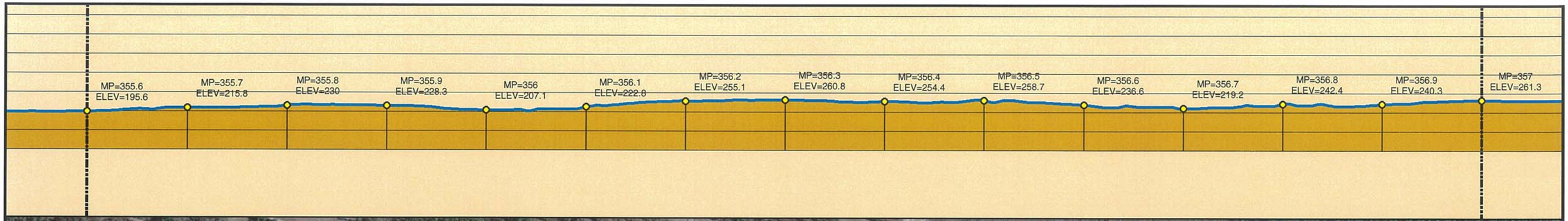
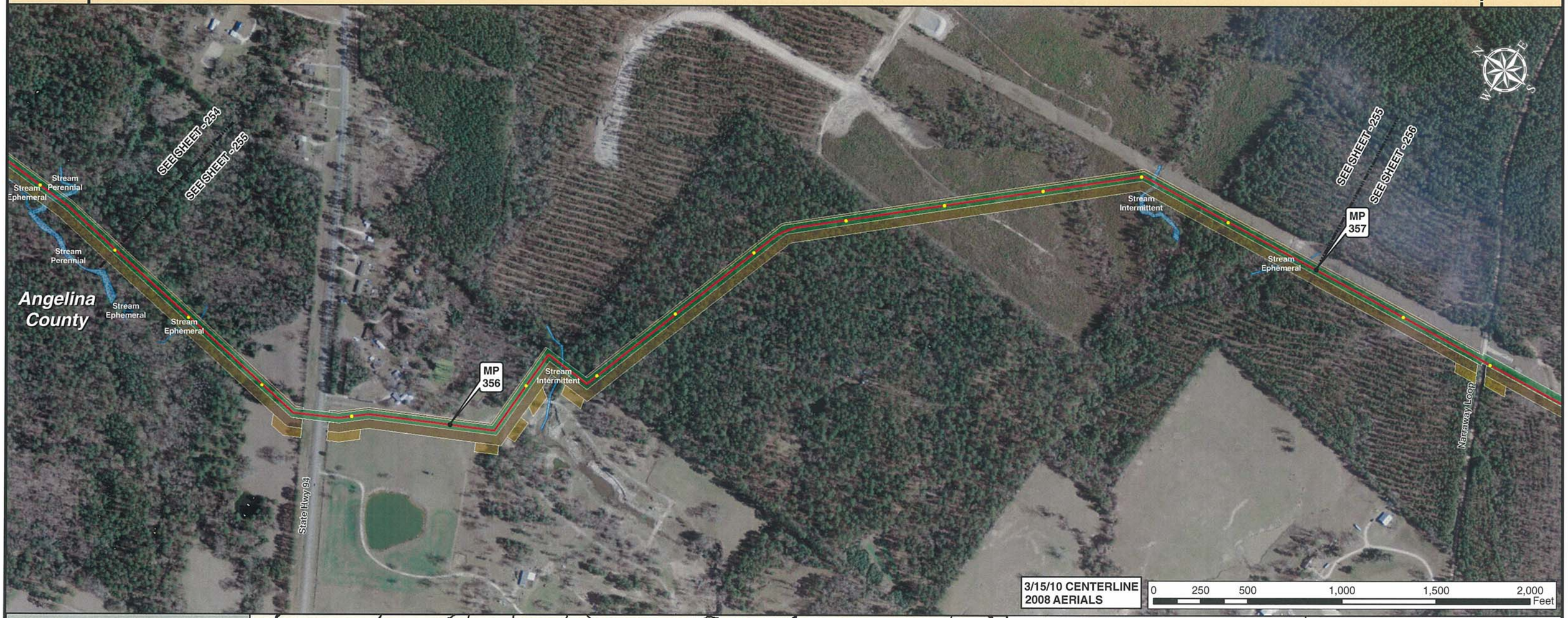
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

ANGELINA COUNTY, TEXAS

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-48-ML-2002-P-254 -A	254	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
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- RAILROAD SIDING
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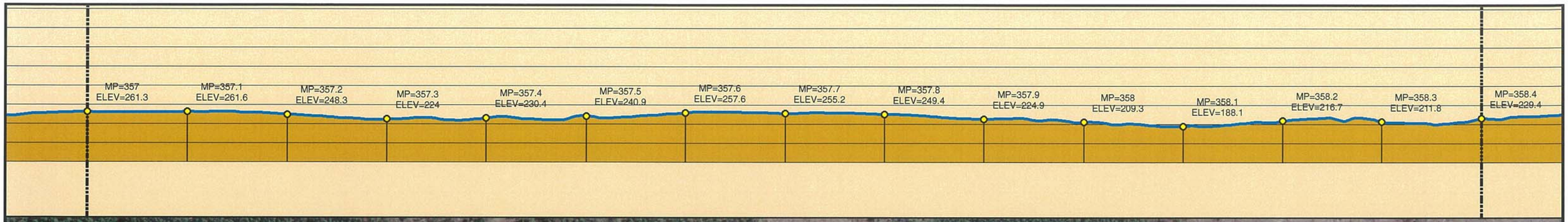
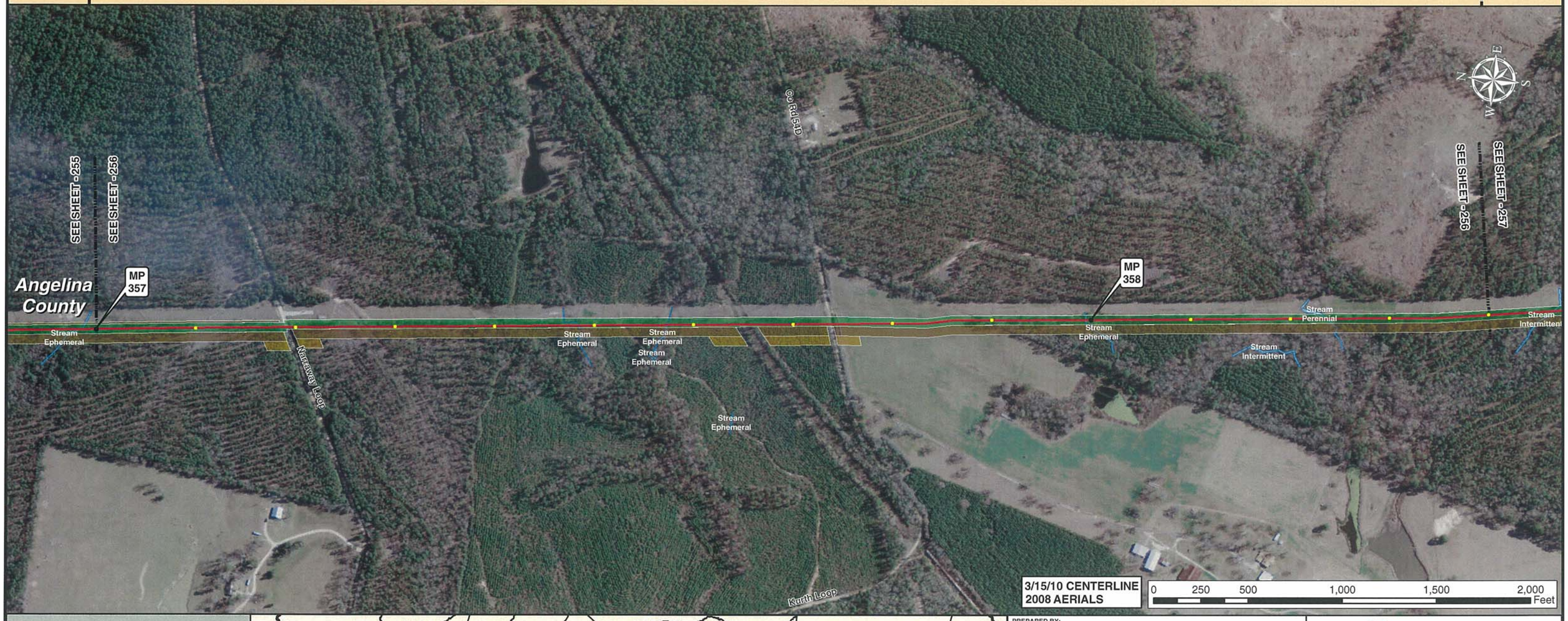
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

ANGELINA COUNTY, TEXAS

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-48-ML-2002-P-255 -A	255	2





Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
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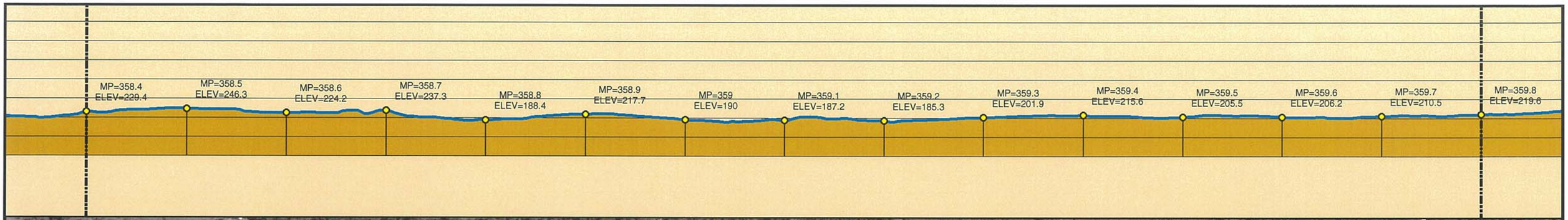
In business to deliver

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

ANGELINA COUNTY, TEXAS

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-48-ML-2002-P-256 -A	256	2



Legend

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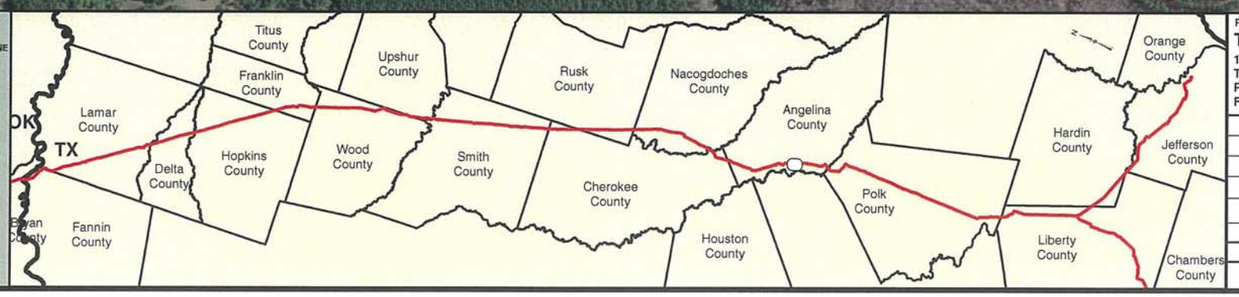
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- SECTION LINE
- COUNTY LINE



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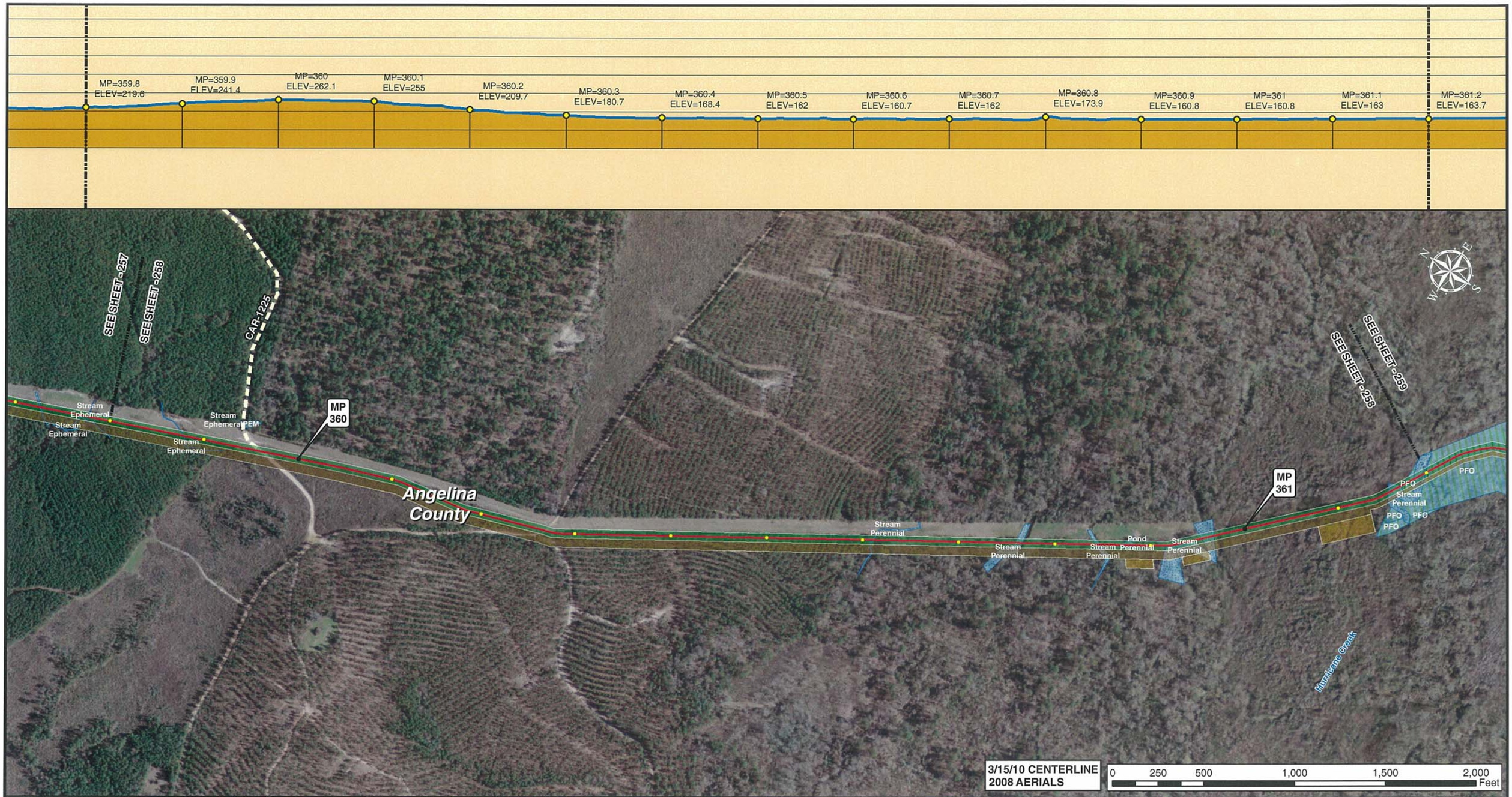
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

ANGELINA COUNTY, TEXAS

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-48-ML-2002-P-257 -A	257	2



Legend

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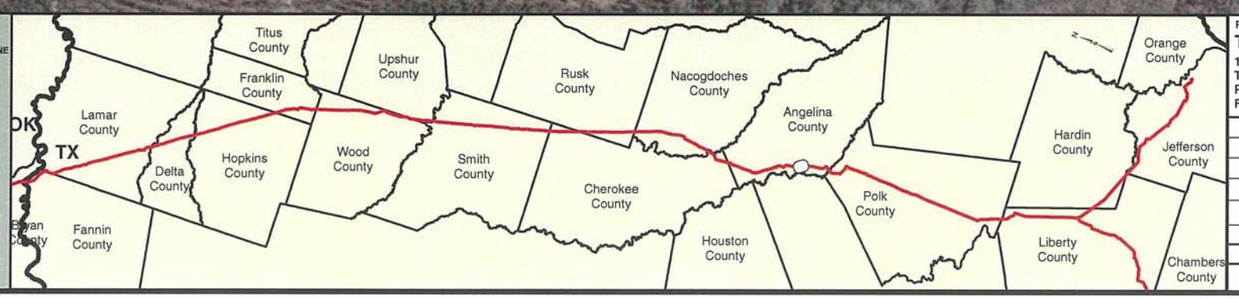
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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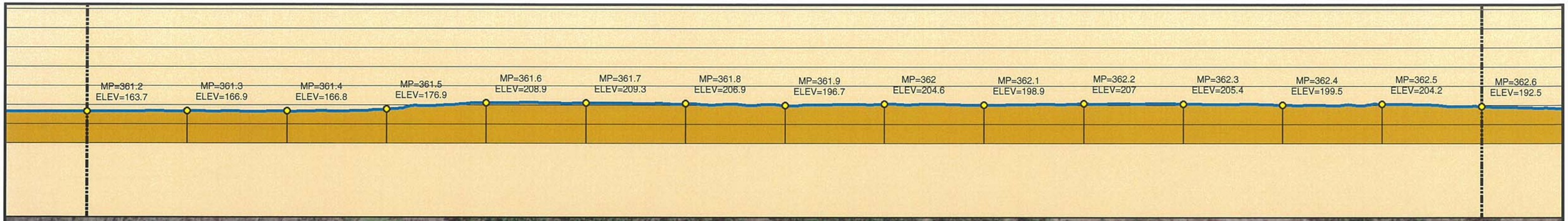
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
ANGELINA COUNTY, TEXAS

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-48-ML-2002-P-258 -A	258	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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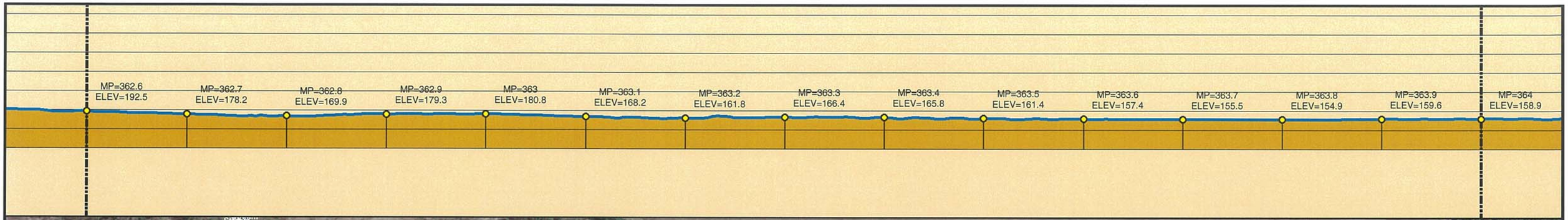
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
ANGELINA COUNTY, TEXAS

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-48-ML-2002-P-259 -A	259	2



3/15/10 CENTERLINE
2008 AERIALS

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

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
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- RAILROAD SIDING
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- COUNTY LINE
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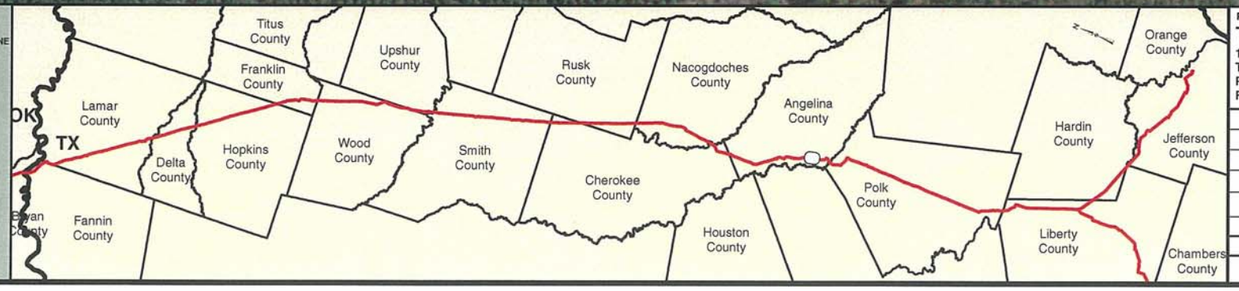

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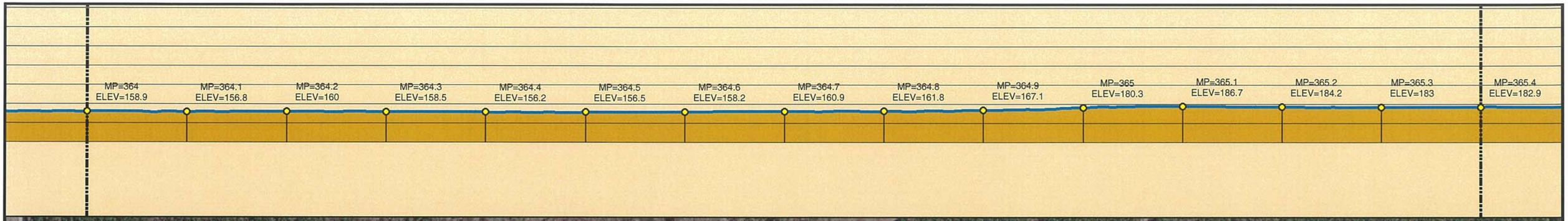
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

ANGELINA COUNTY, TEXAS

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-48-ML-2002-P-260 -A	260	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
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ANGELINA COUNTY, TEXAS

MAP PARAMETERS
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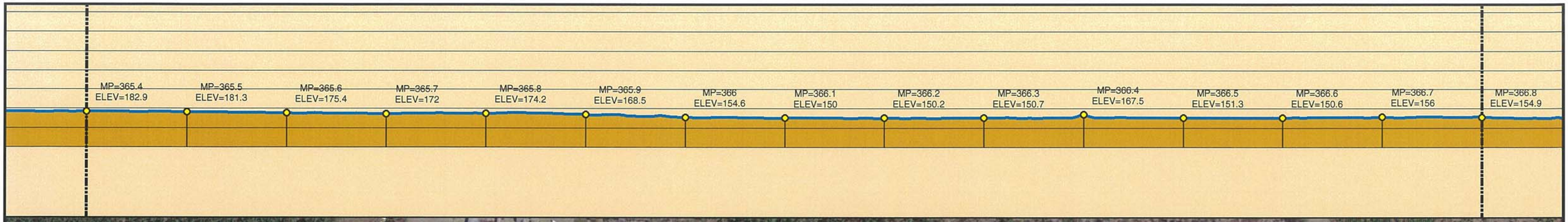
GS	SS	RG	50388X	XL-48-ML-2002-P-261 -A	261	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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- 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

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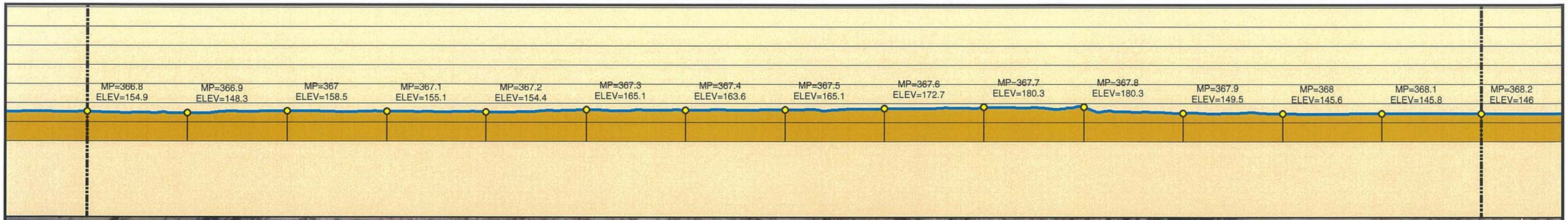
NO.	REVISION	DATE
2	ISSUED FOR DEIS COMMENT SUBMITTAL TO U.S. DEPT. OF STATE (3.15.10 CL)	5.19.10
1	ISSUED FOR SUPPLEMENTAL U.S. DEPT. OF STATE FILING (2.19.09 CL)	7.6.09
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

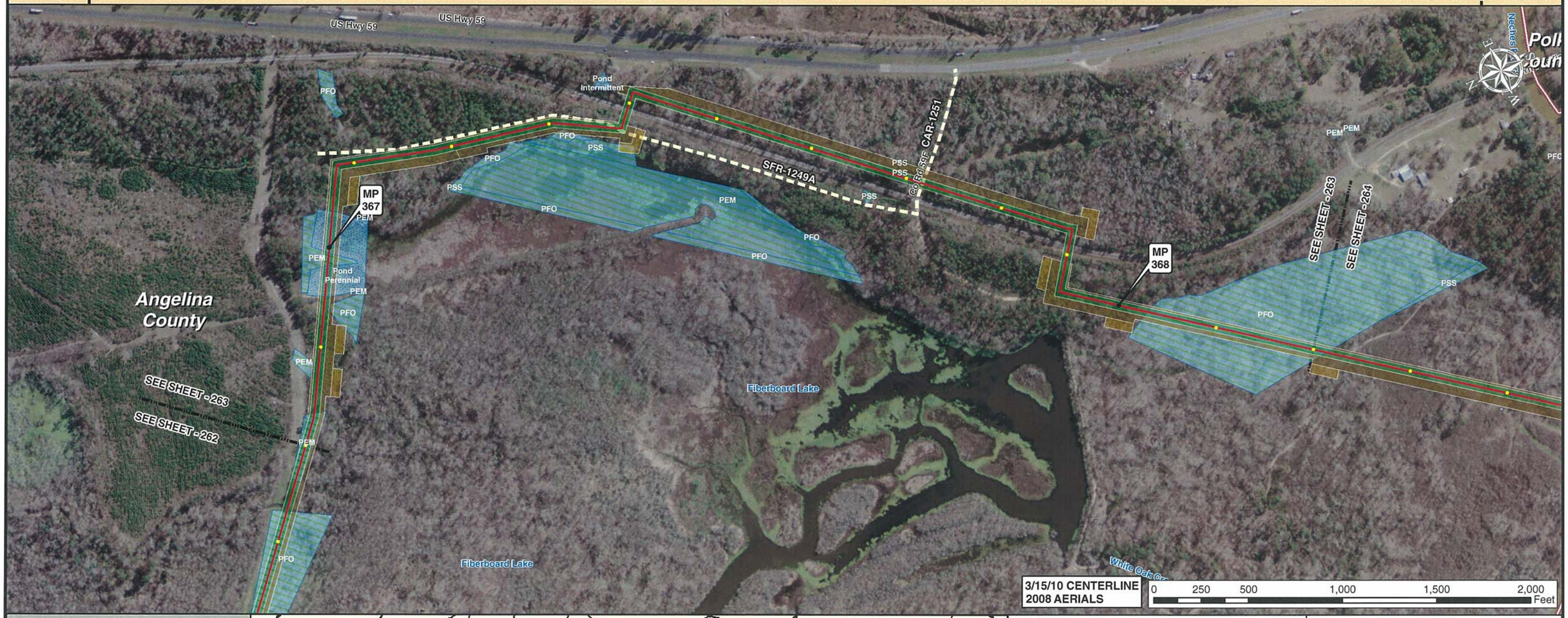
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

ANGELINA COUNTY, TEXAS

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

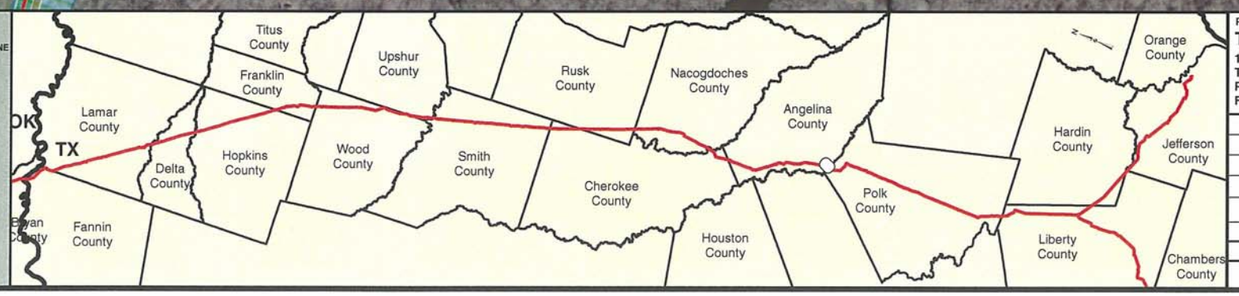
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-262 -A	262	2





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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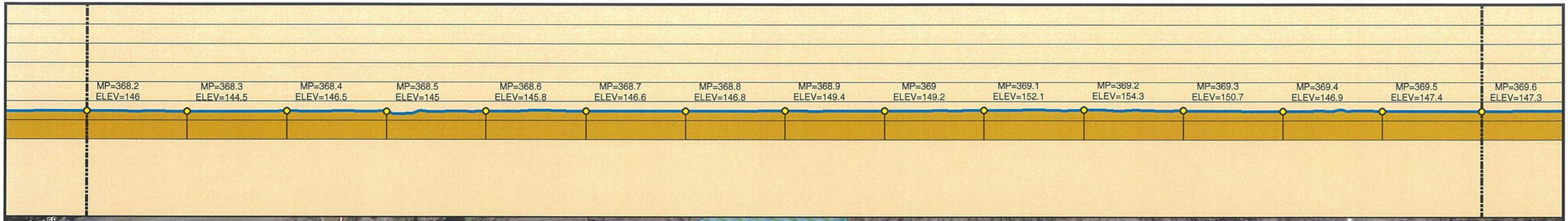
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
ANGELINA COUNTY, TEXAS

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-48-ML-2002-P-263 -A	263	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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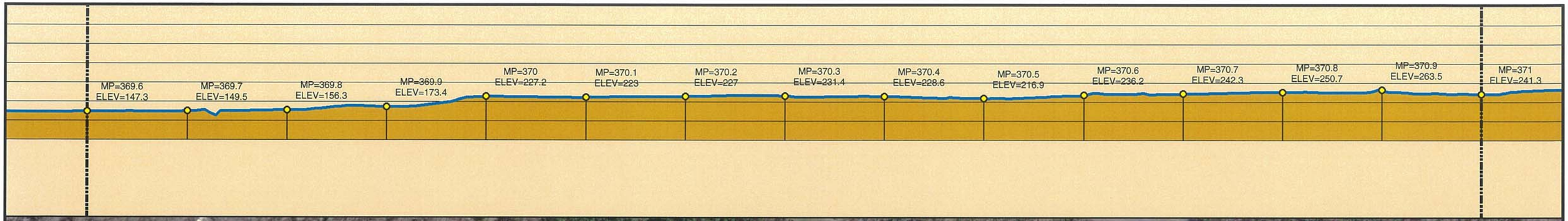
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

POLK COUNTY, TEXAS

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-48-ML-2002-P-264 -A	264	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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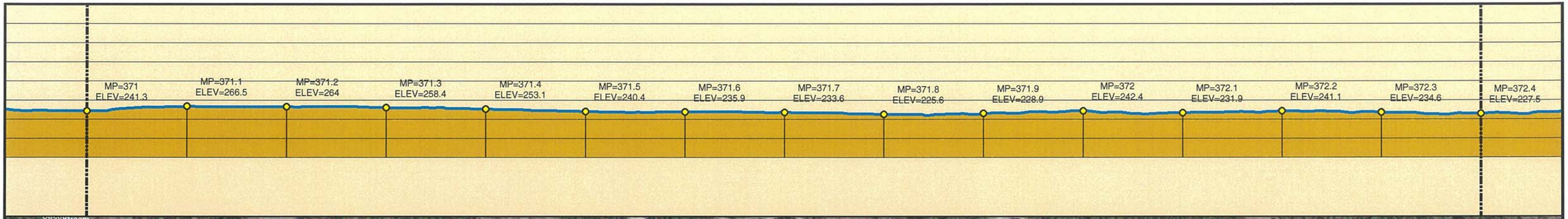
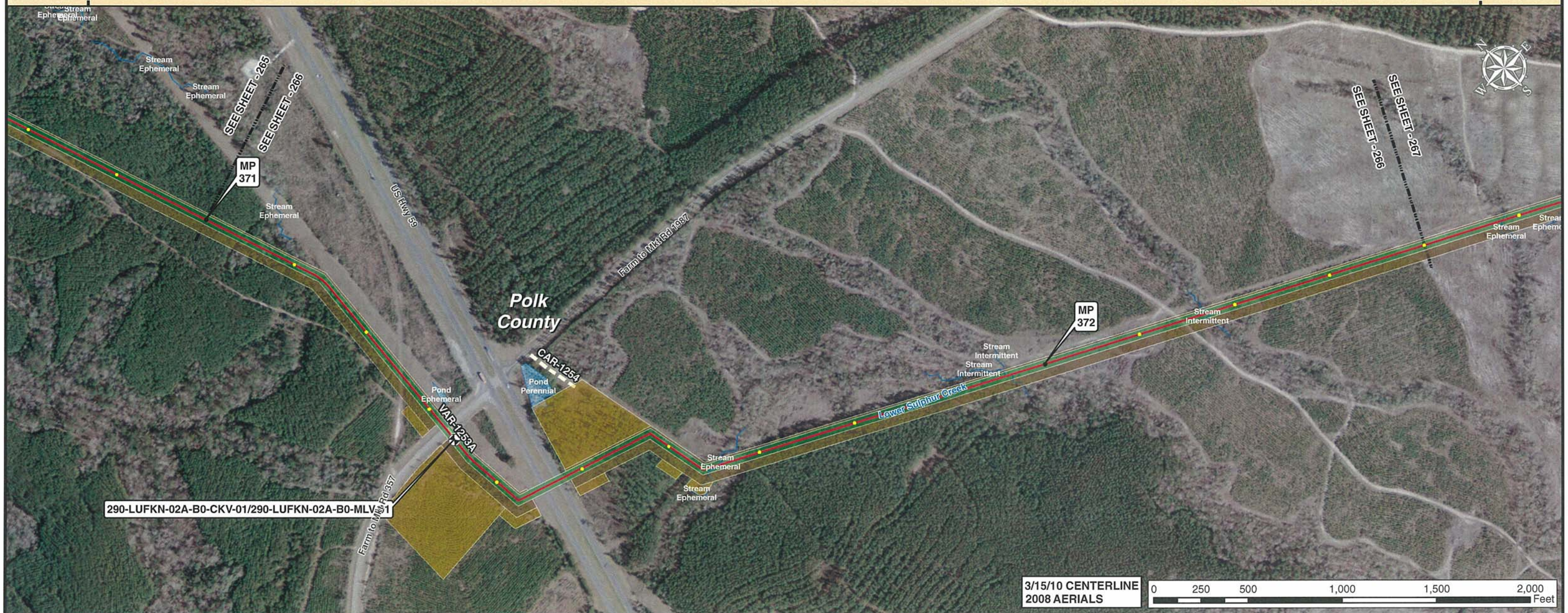
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

POLK COUNTY, TEXAS

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-48-ML-2002-P-265 -A	265	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
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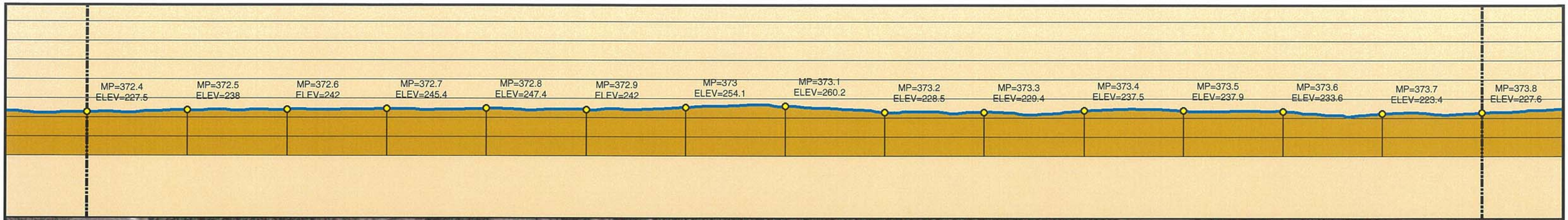
In business to deliver

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

POLK COUNTY, TEXAS

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-48-ML-2002-P-266 -A	266	2



Legend

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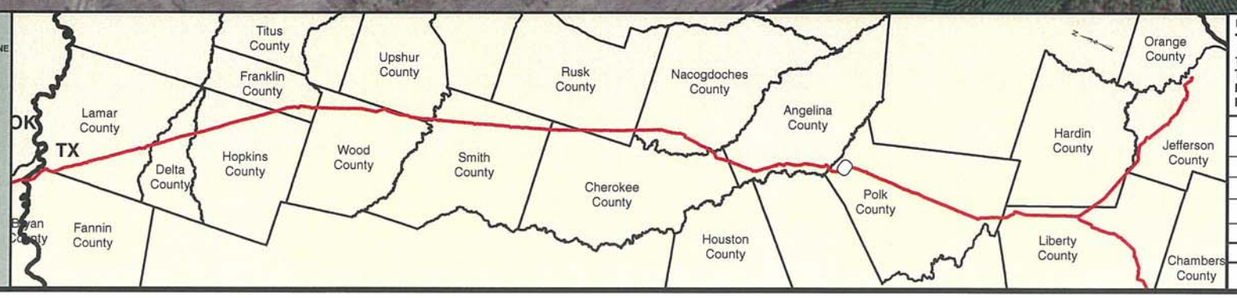
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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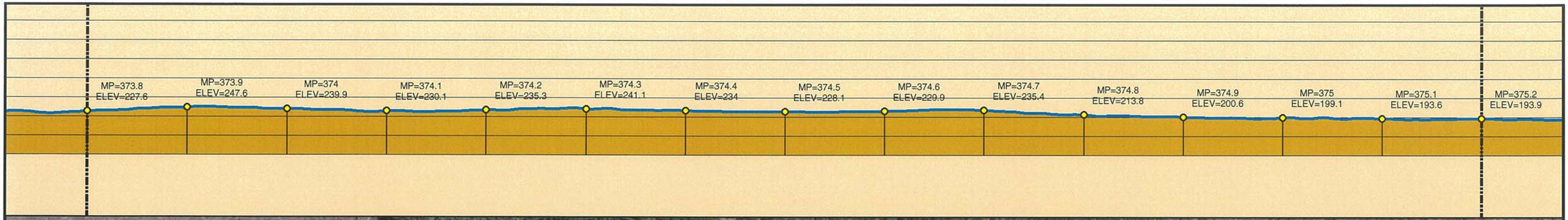
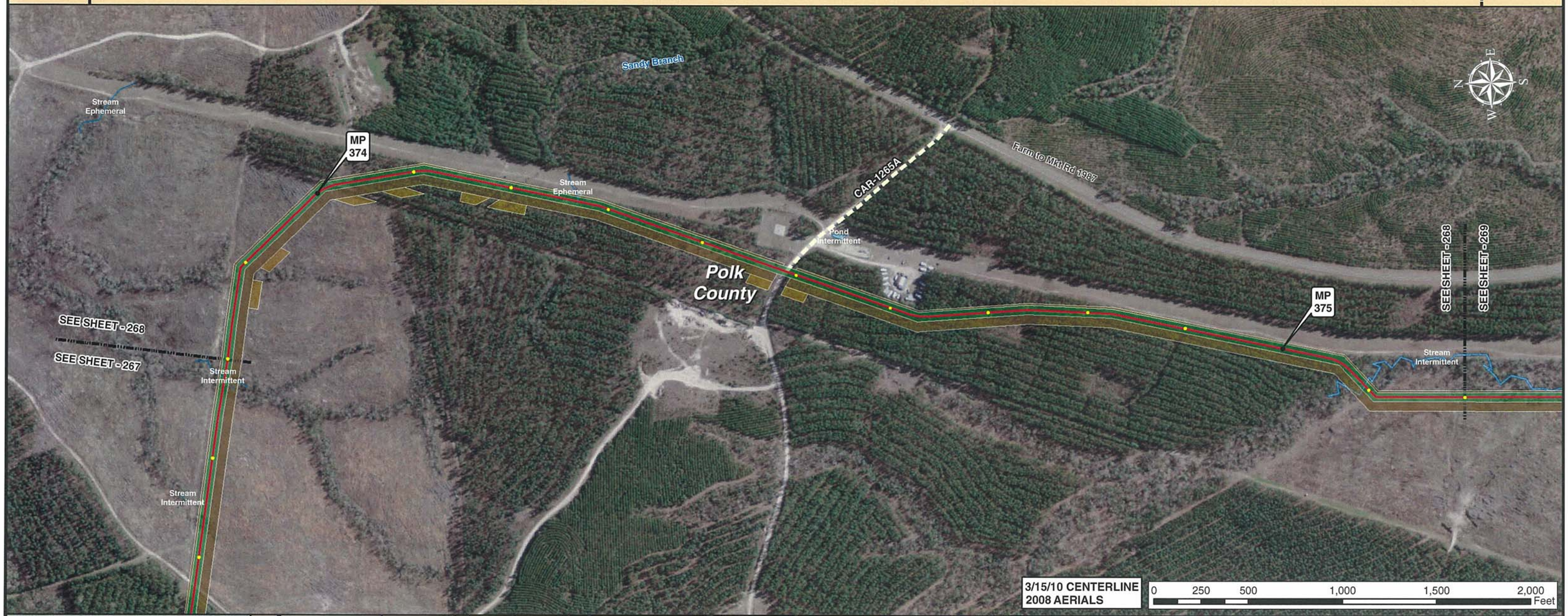
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

POLK COUNTY, TEXAS

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-48-ML-2002-P-267 -A	267	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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

POLK COUNTY, TEXAS

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

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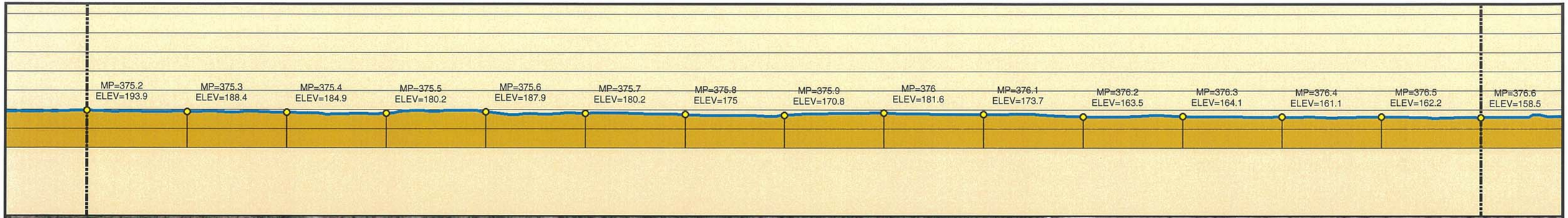
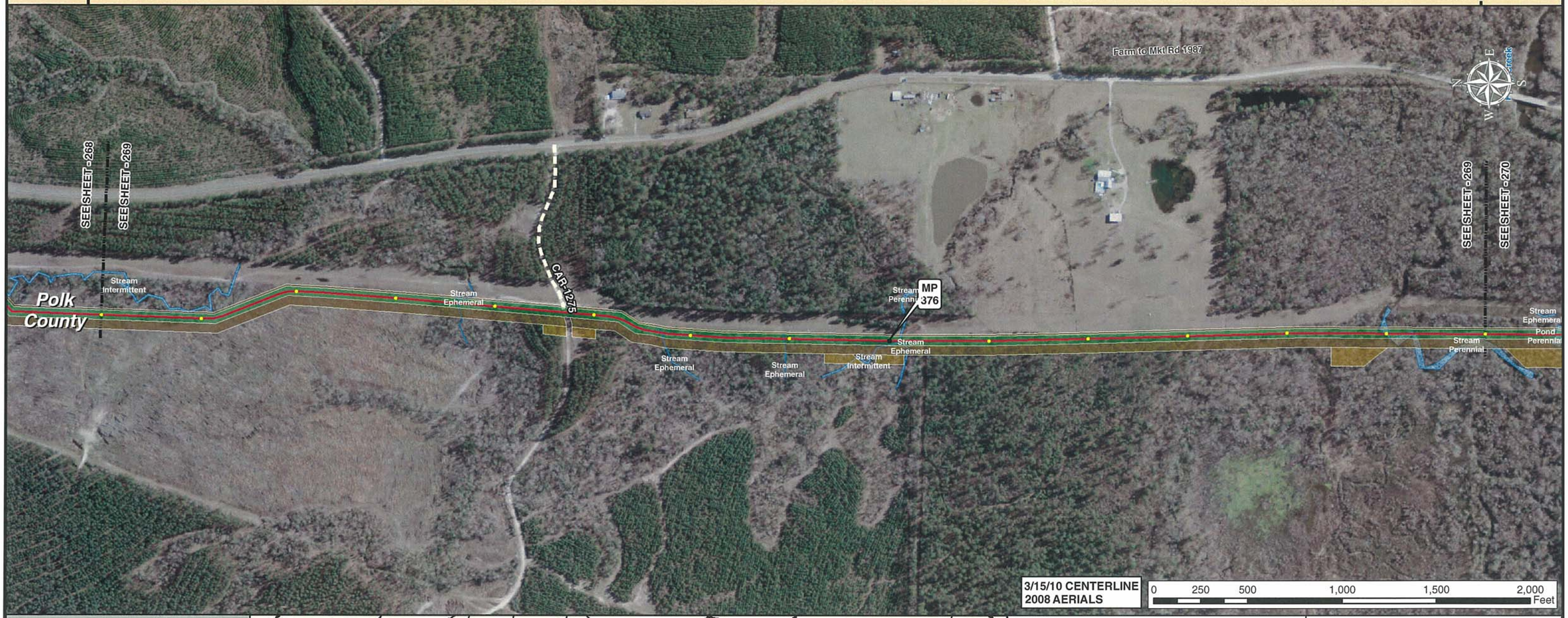
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-268 -A	268	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
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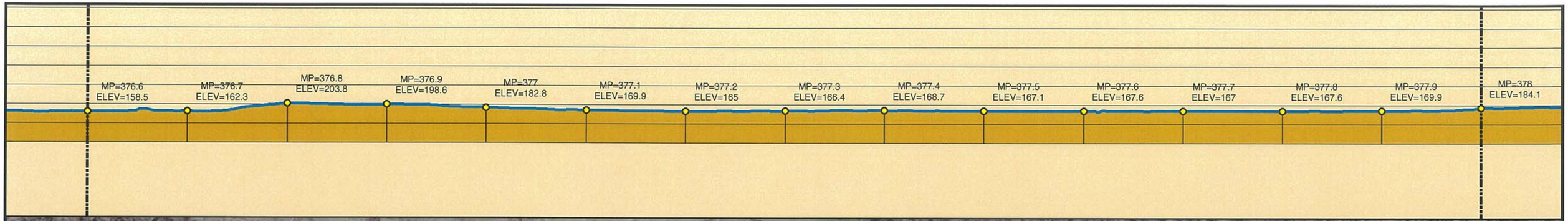
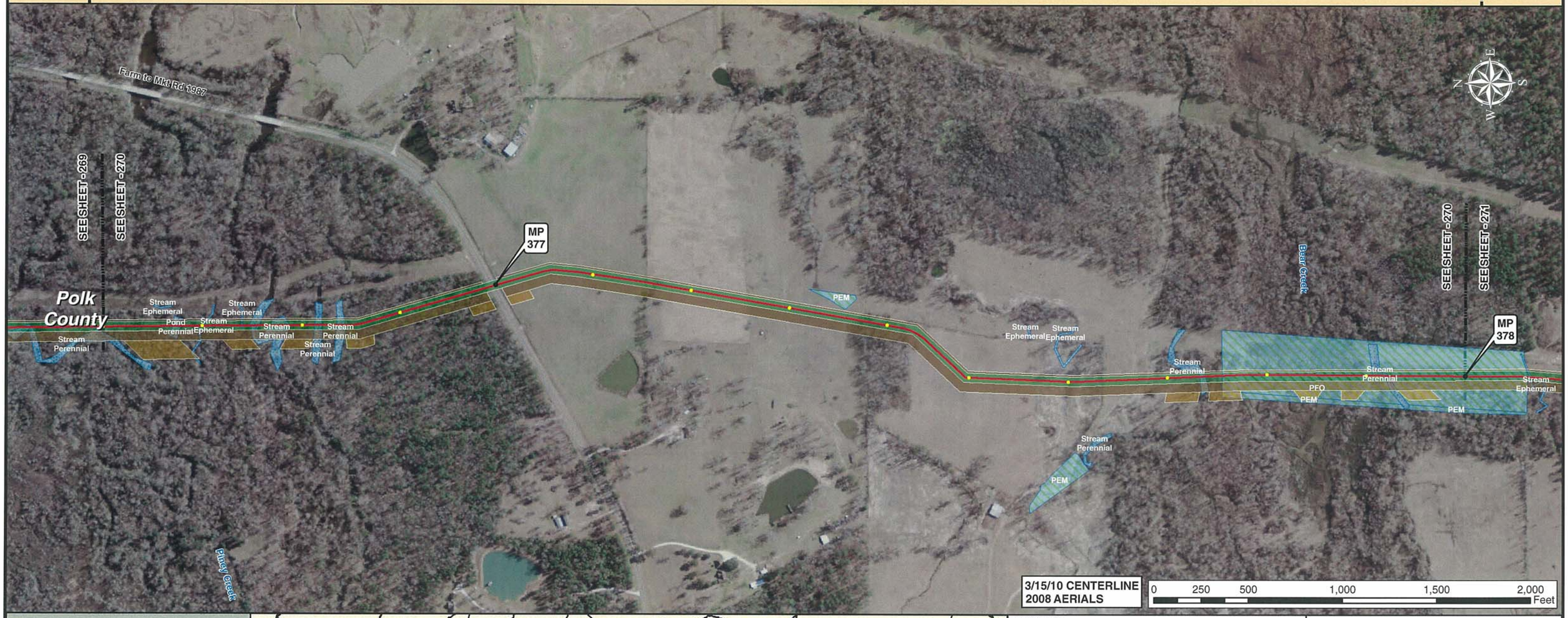
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-269 -A	269	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

POLK COUNTY, TEXAS

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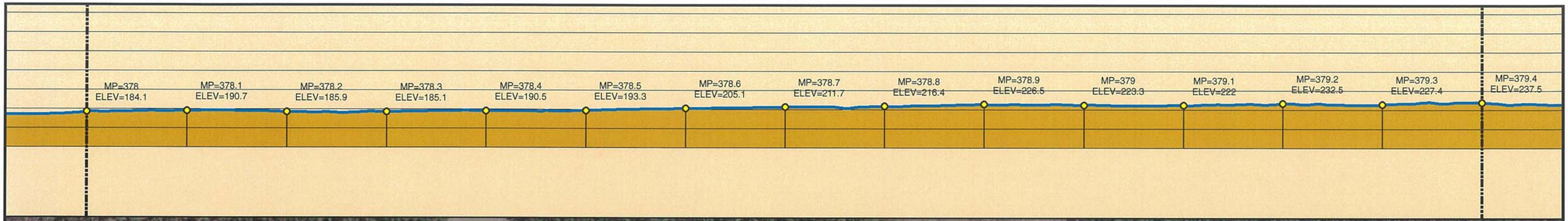
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-270 -A	270	2



Legend

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- KEYSTONE XL PROJECT
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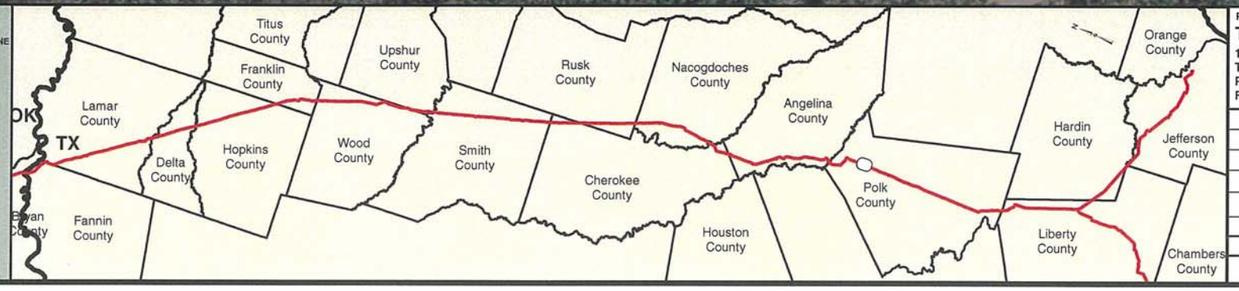

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CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
POLK COUNTY, TEXAS

MAP PARAMETERS
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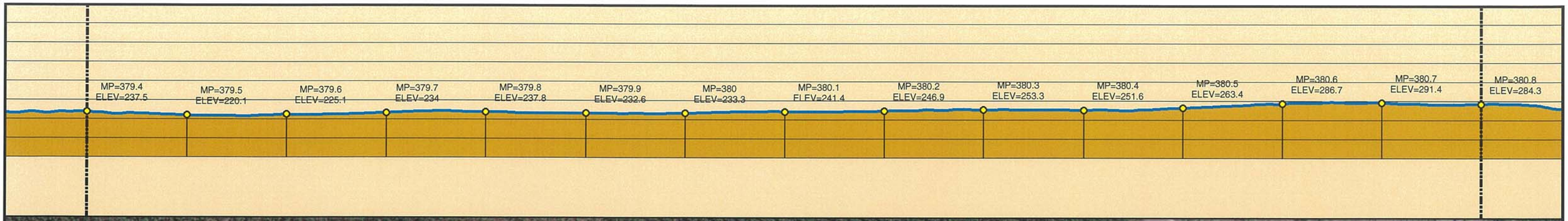

Legend

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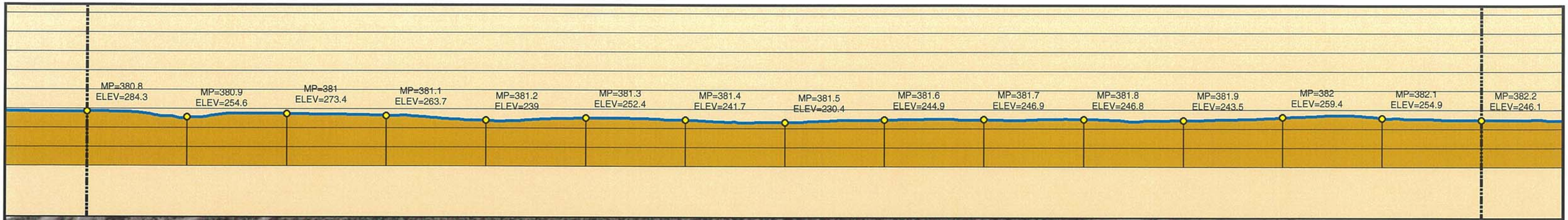
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

POLK COUNTY, TEXAS

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-48-ML-2002-P-272 -A	272	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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- SECTION LINE

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

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TransCanada
In business to deliver

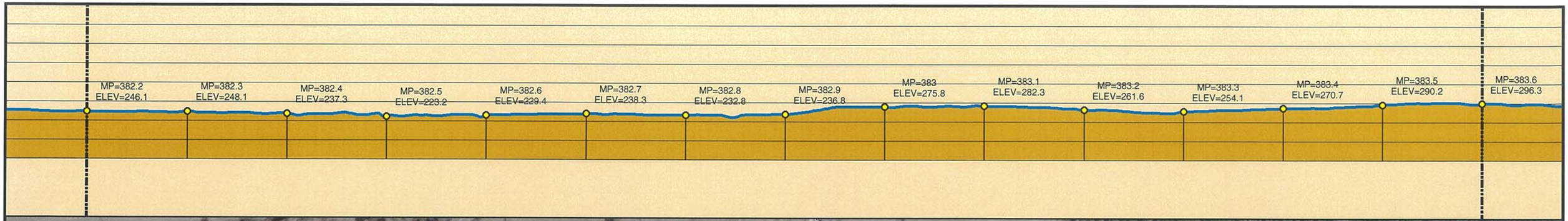
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

POLK COUNTY, TEXAS

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

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

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-273 -A	273	2

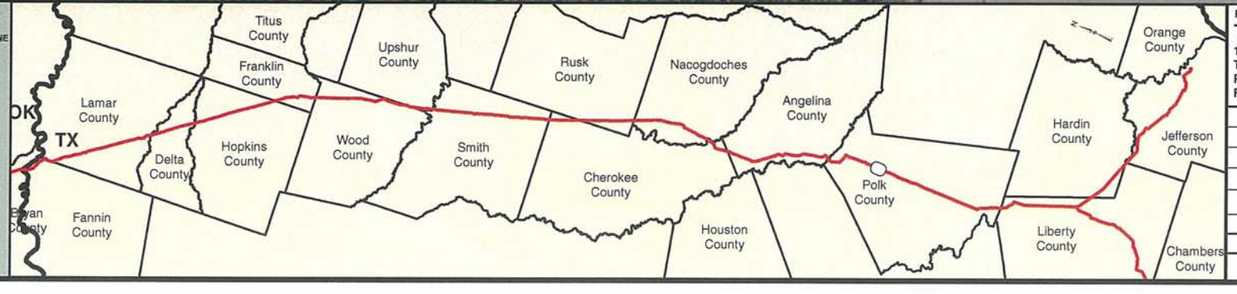


3/15/10 CENTERLINE
2008 AERIALS

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

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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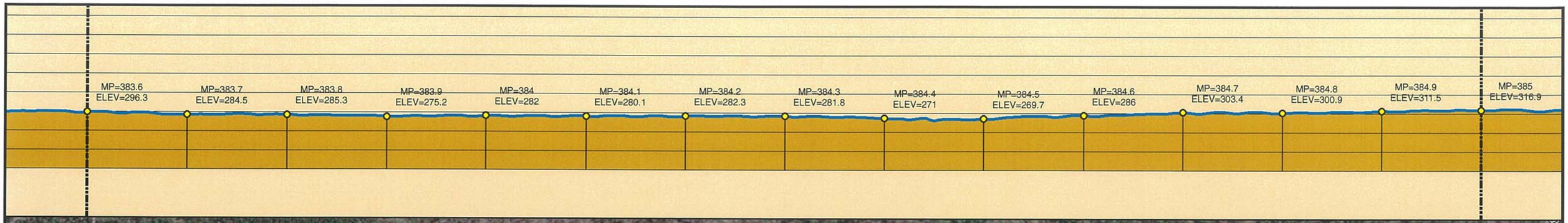
GS	SS	RG	50388X	XL-48-ML-2002-P-274 -A	274	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
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- CONTRACTOR YARD
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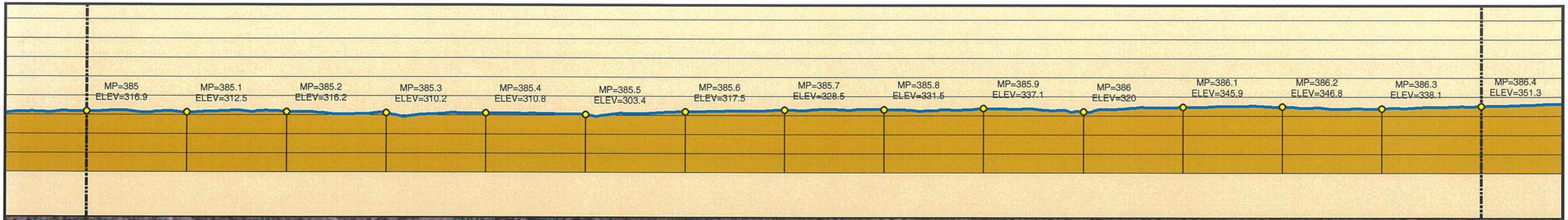
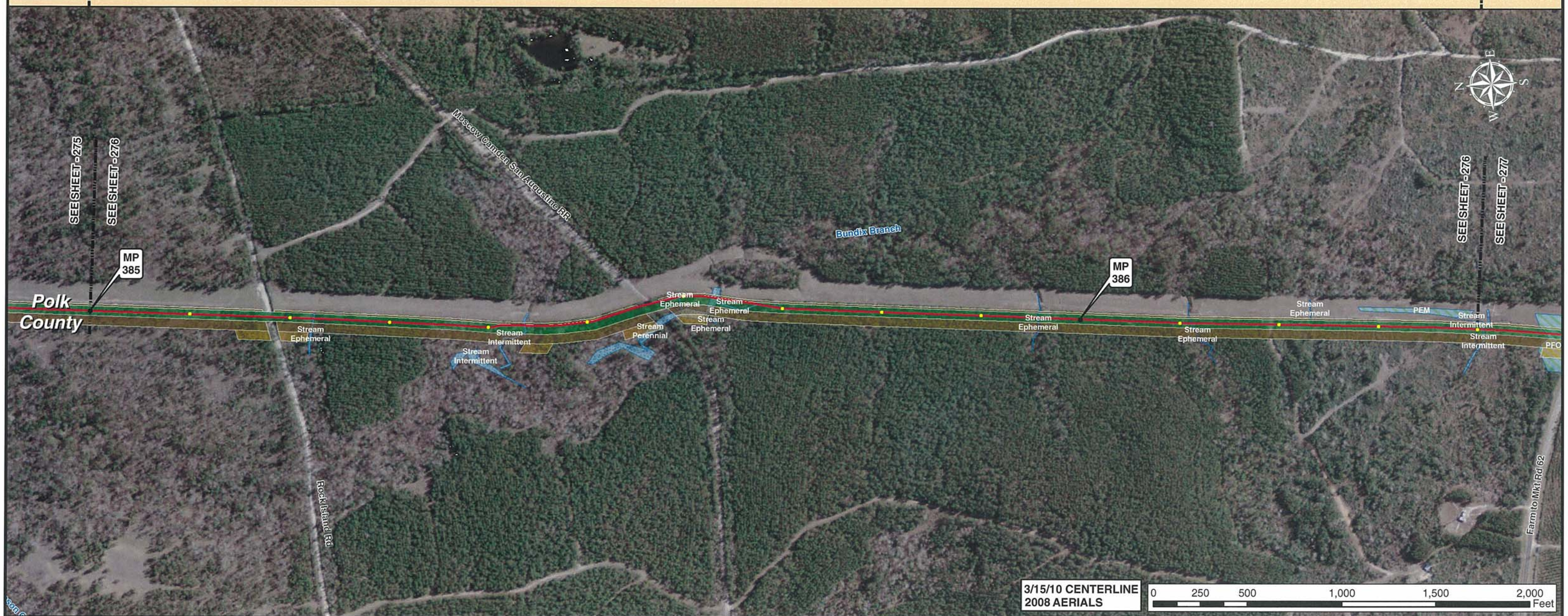
GS	SS	RG	50388X	XL-48-ML-2002-P-275 -A	275	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
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POLK COUNTY, TEXAS

MAP PARAMETERS
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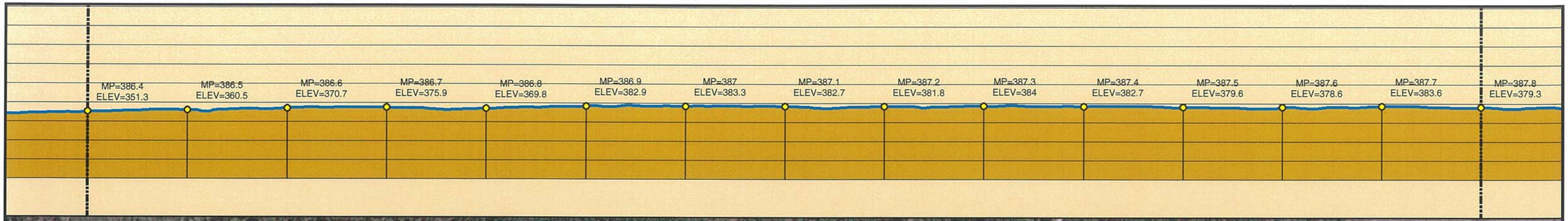
GS	SS	RG	50388X	XL-48-ML-2002-P-276 -A	276	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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- KEYSTONE XL PROJECT
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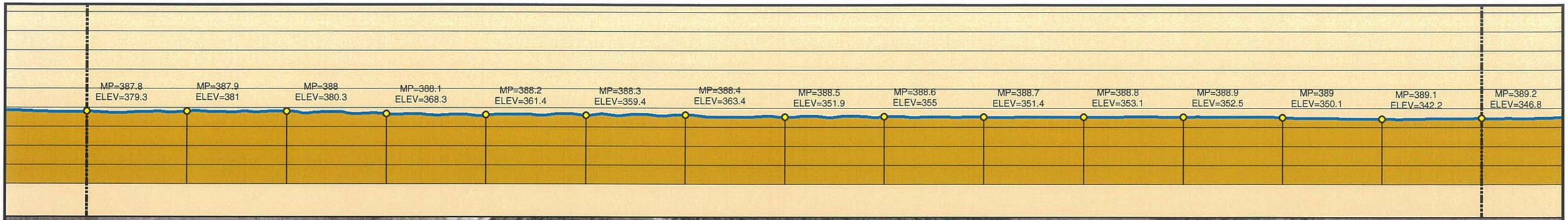
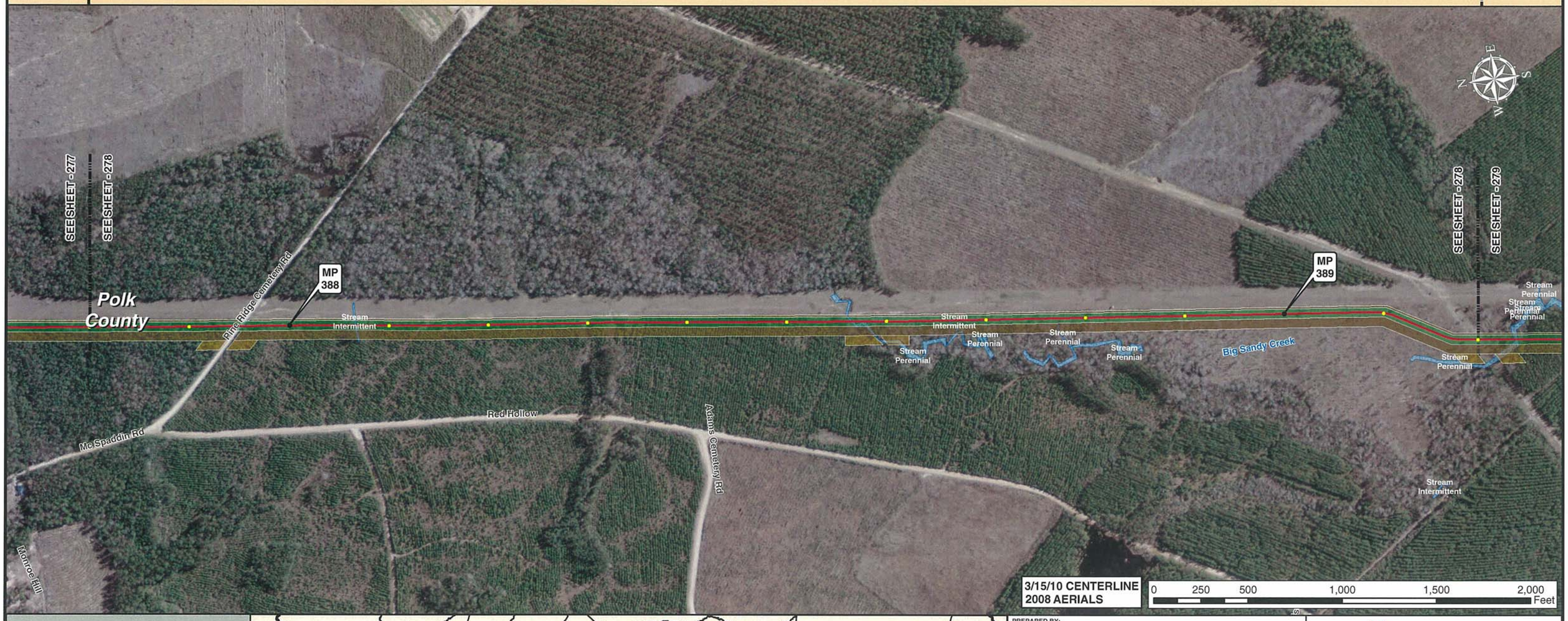
GS	SS	RG	50388X	XL-48-ML-2002-P-277 -A	277	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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- 0.1 MILE TICK MARK
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- KEYSTONE XL PROJECT
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POLK COUNTY, TEXAS

MAP PARAMETERS
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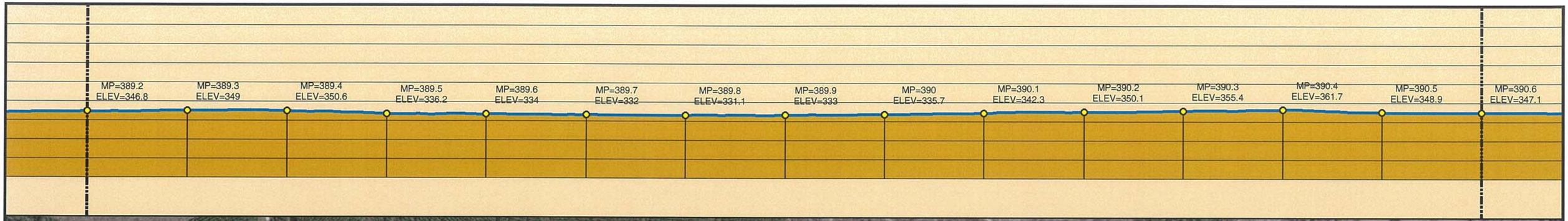
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-278 -A	278	2



Legend

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- VALVE
- KEYSTONE XL PROJECT
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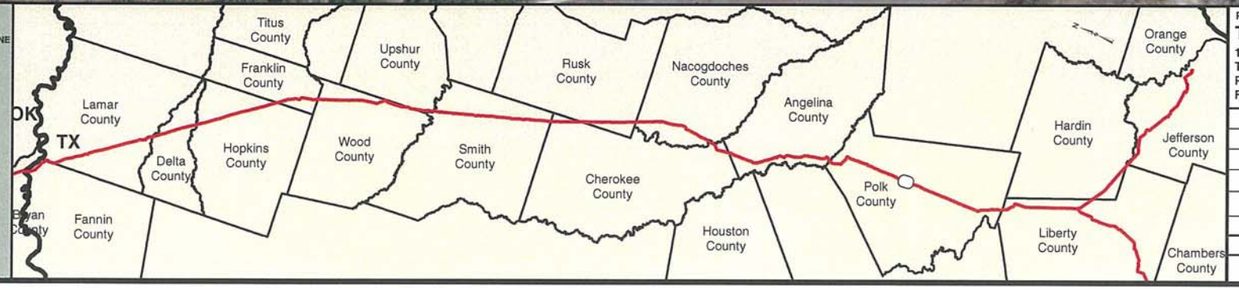
- COUNTY LINE
- SECTION LINE



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POLK COUNTY, TEXAS

MAP PARAMETERS
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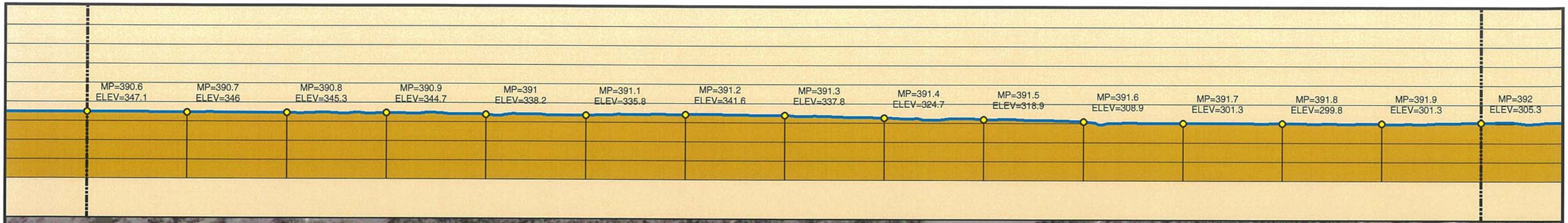
GS	SS	RG	50388X	XL-48-ML-2002-P-279 -A	279	2



Legend

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- 0.1 MILE TICK MARK
- VALVE
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POLK COUNTY, TEXAS

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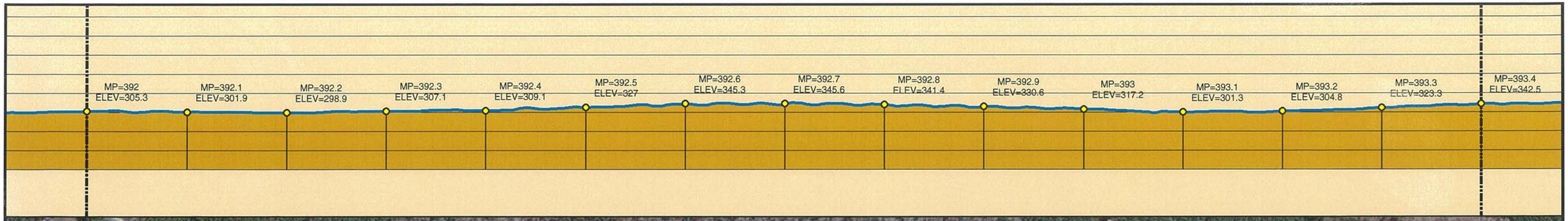
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-280 -A	280	2



Legend

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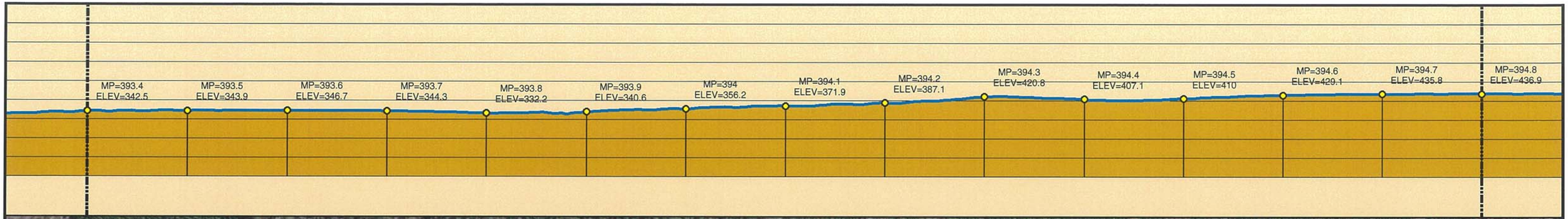
GS	SS	RG	50388X	XL-48-ML-2002-P-281 -A	281	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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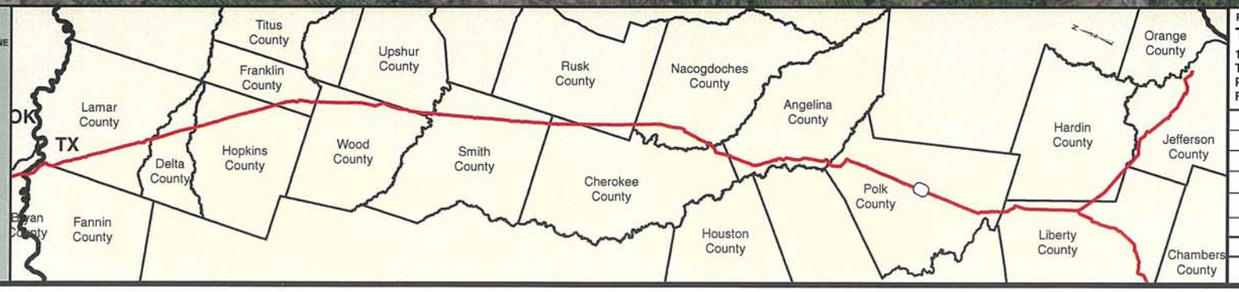

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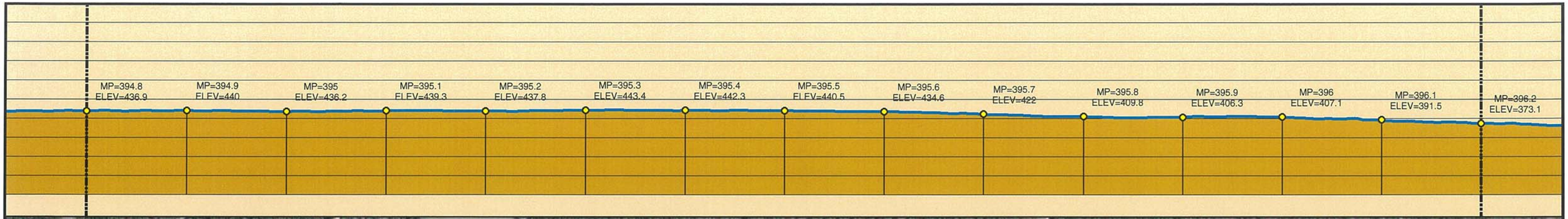

3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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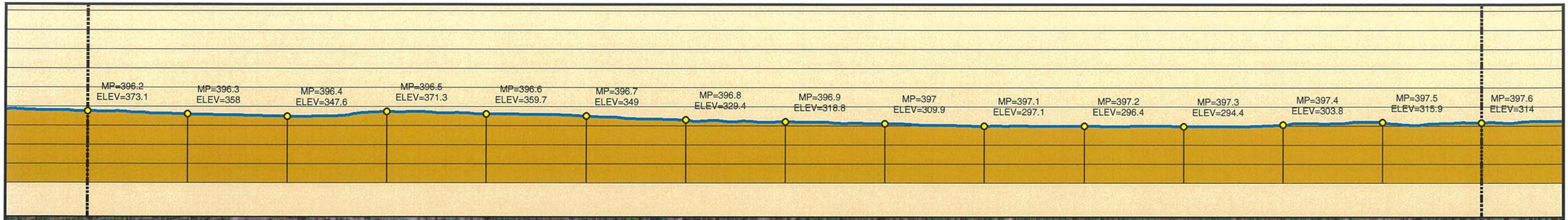
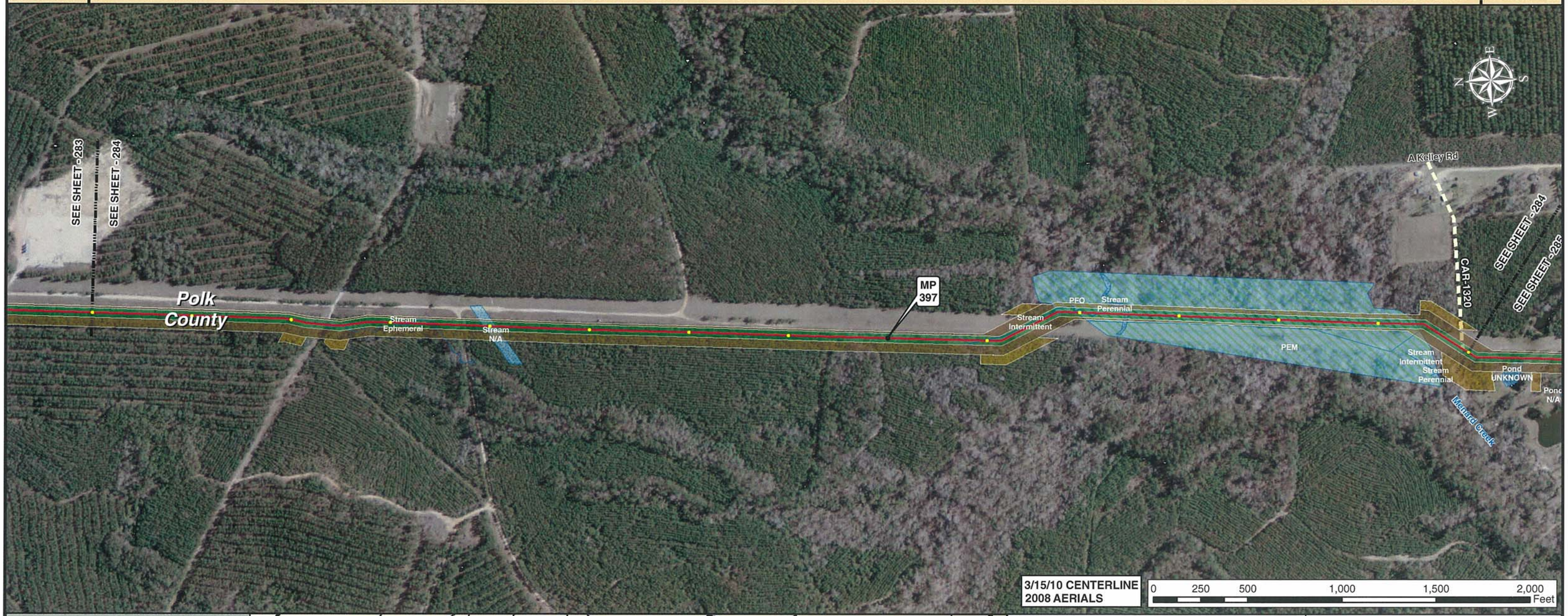
GS	SS	RG	50388X	XL-48-ML-2002-P-283 -A	283	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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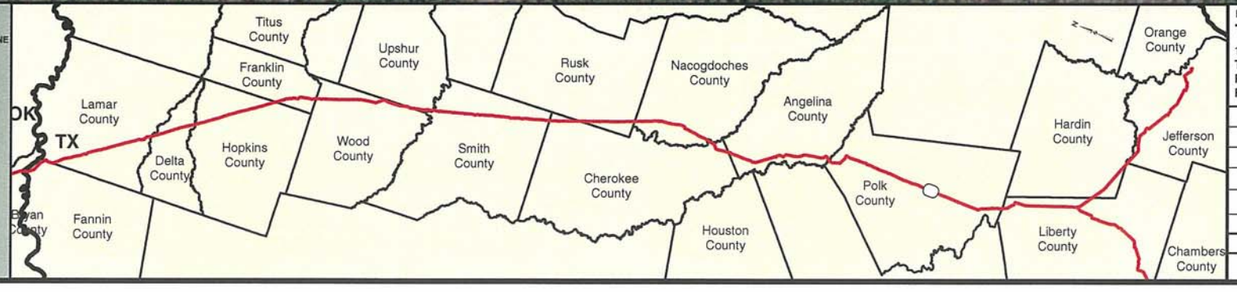

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1	ISSUED FOR SUPPLEMENTAL U.S. DEPT. OF STATE FILING (2.19.09 CL)	7.6.09
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

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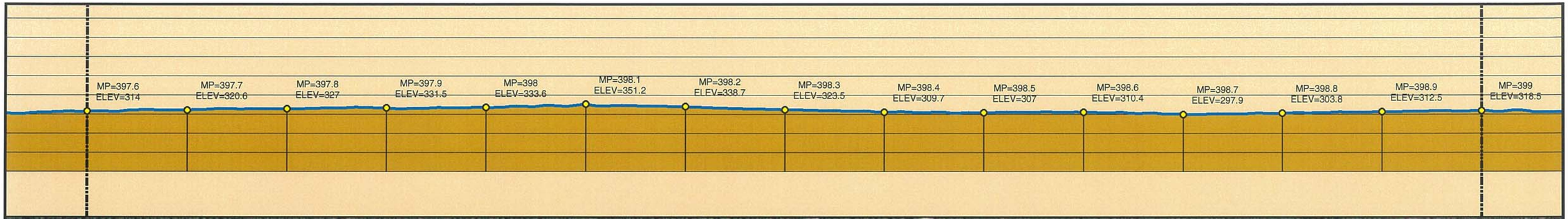
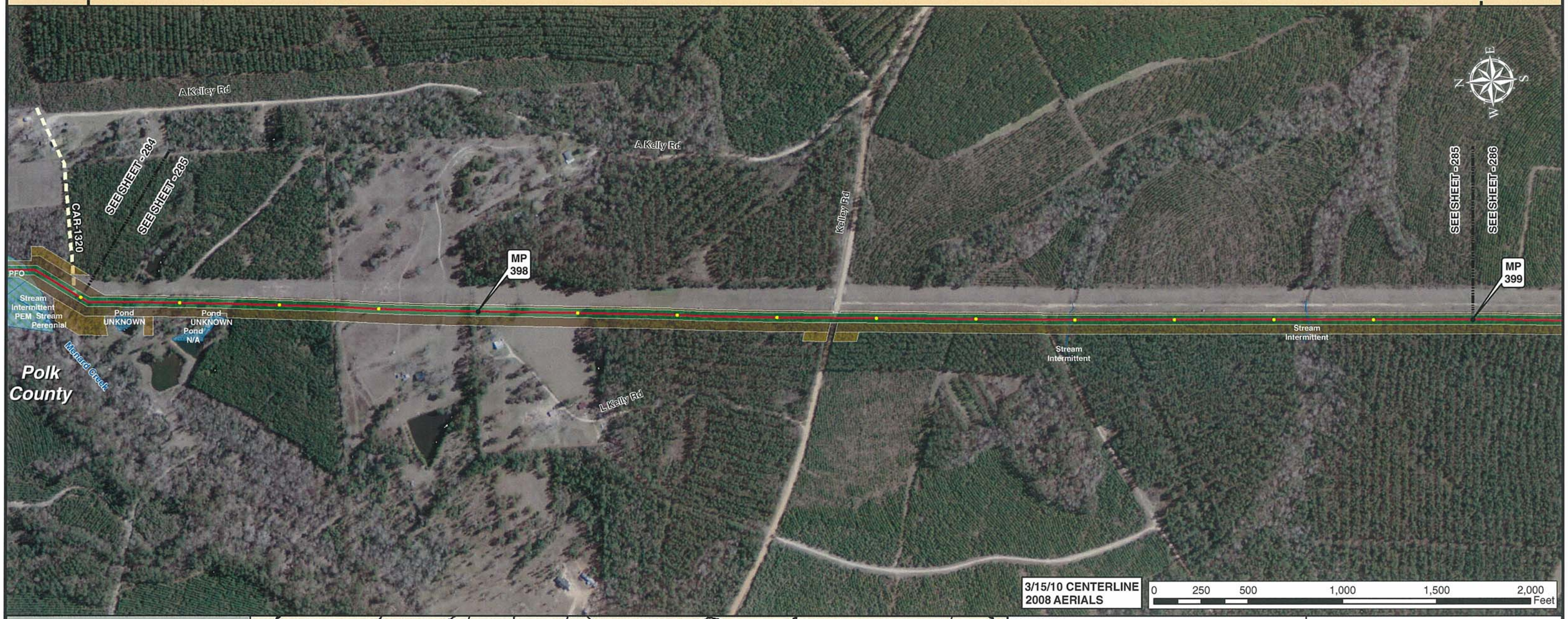
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

POLK COUNTY, TEXAS

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-48-ML-2002-P-284 -A	284	2





3/15/10 CENTERLINE
2008 AERIALS

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

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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Phone: 1-850-385-5441
Fax: 1-850-385-5523
Trow

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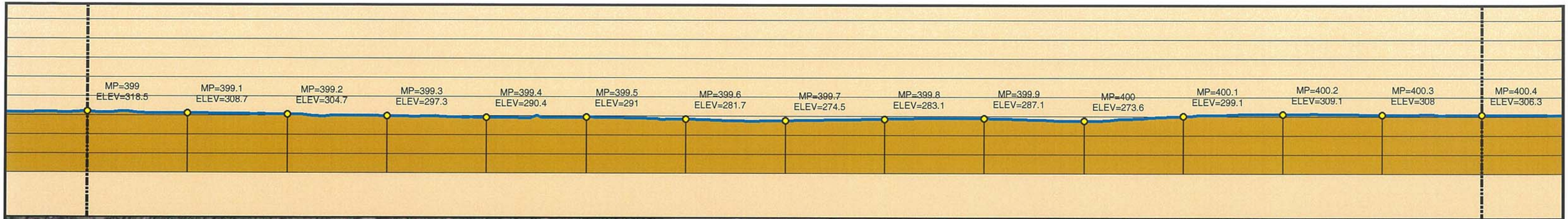
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
POLK COUNTY, TEXAS

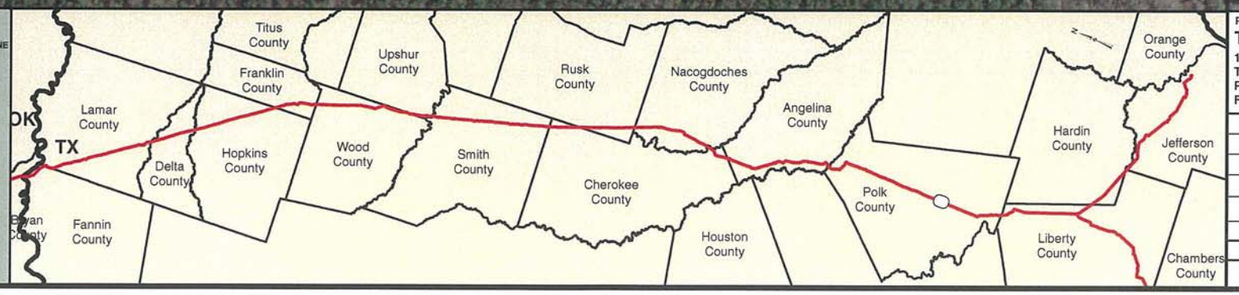
MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-285 -A	285	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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POLK COUNTY, TEXAS

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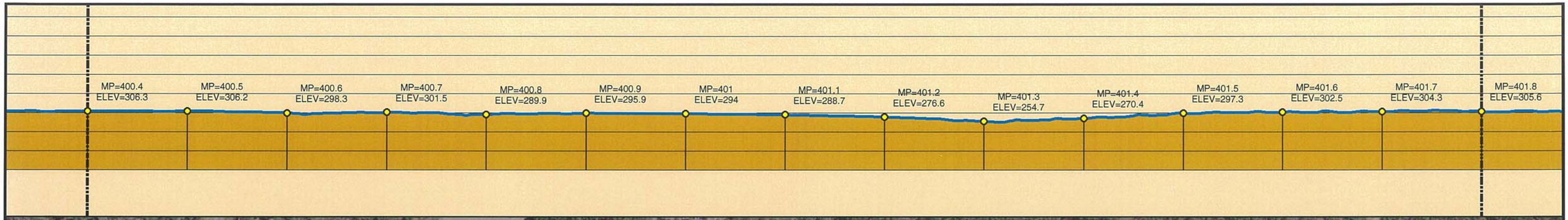
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-286 -A	286	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
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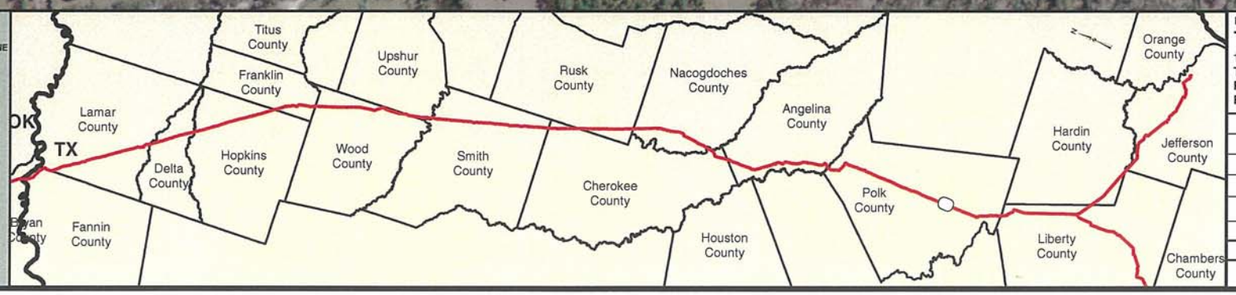
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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POLK COUNTY, TEXAS

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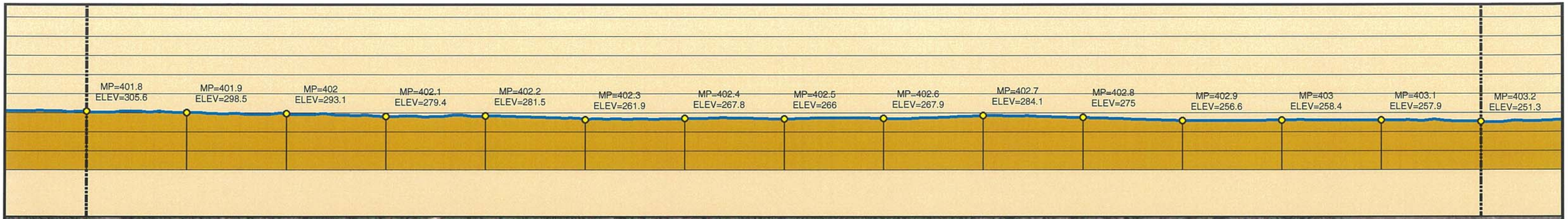
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-287 -A	287	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
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POLK COUNTY, TEXAS

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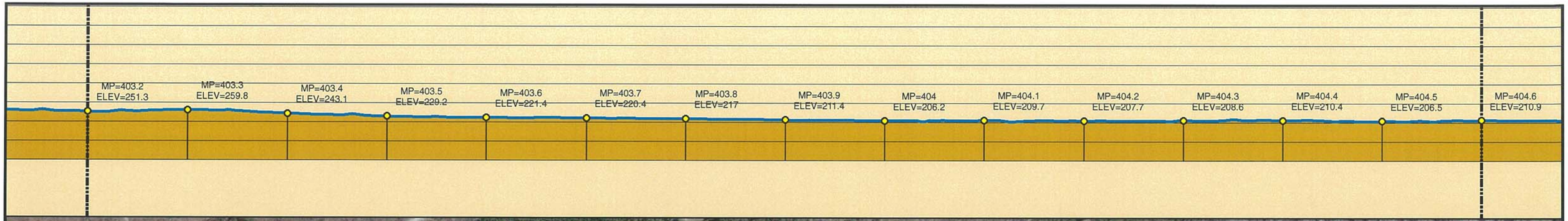
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-288 -A	288	2



Legend

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- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
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POLK COUNTY, TEXAS

MAP PARAMETERS
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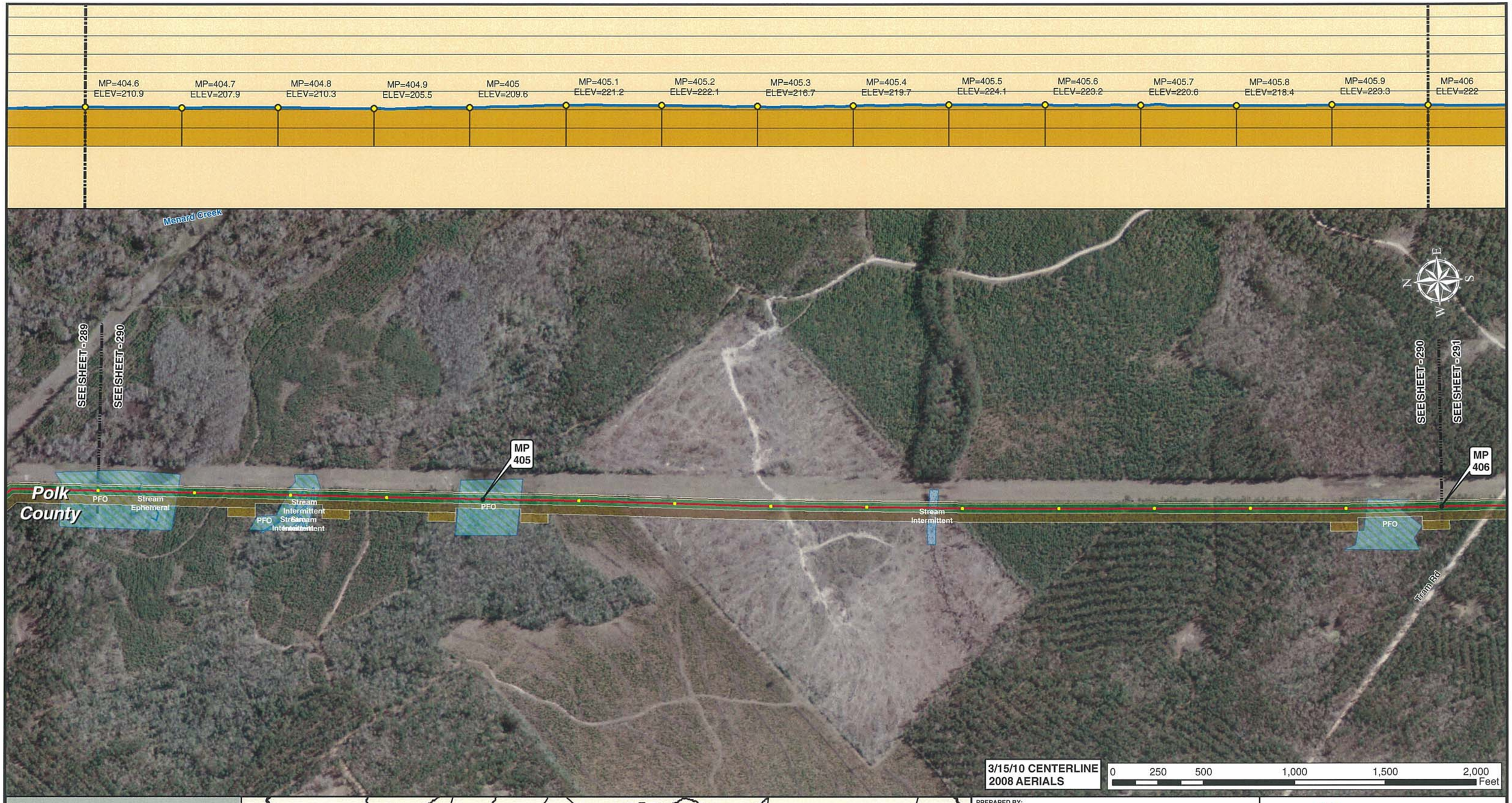
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-289 -A	289	2



Legend

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- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
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POLK COUNTY, TEXAS

MAP PARAMETERS
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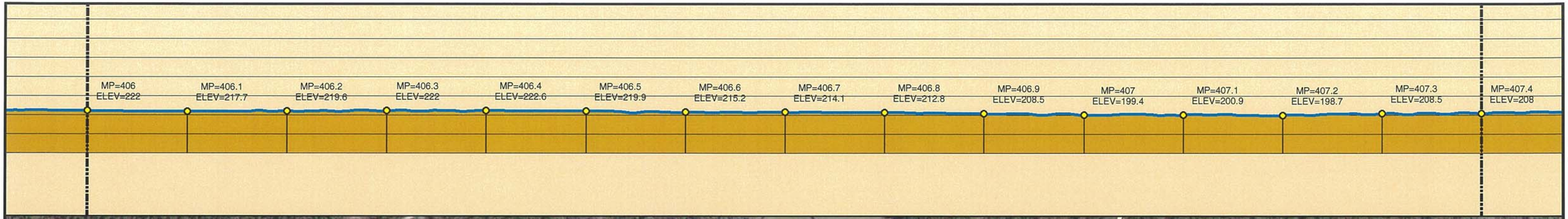
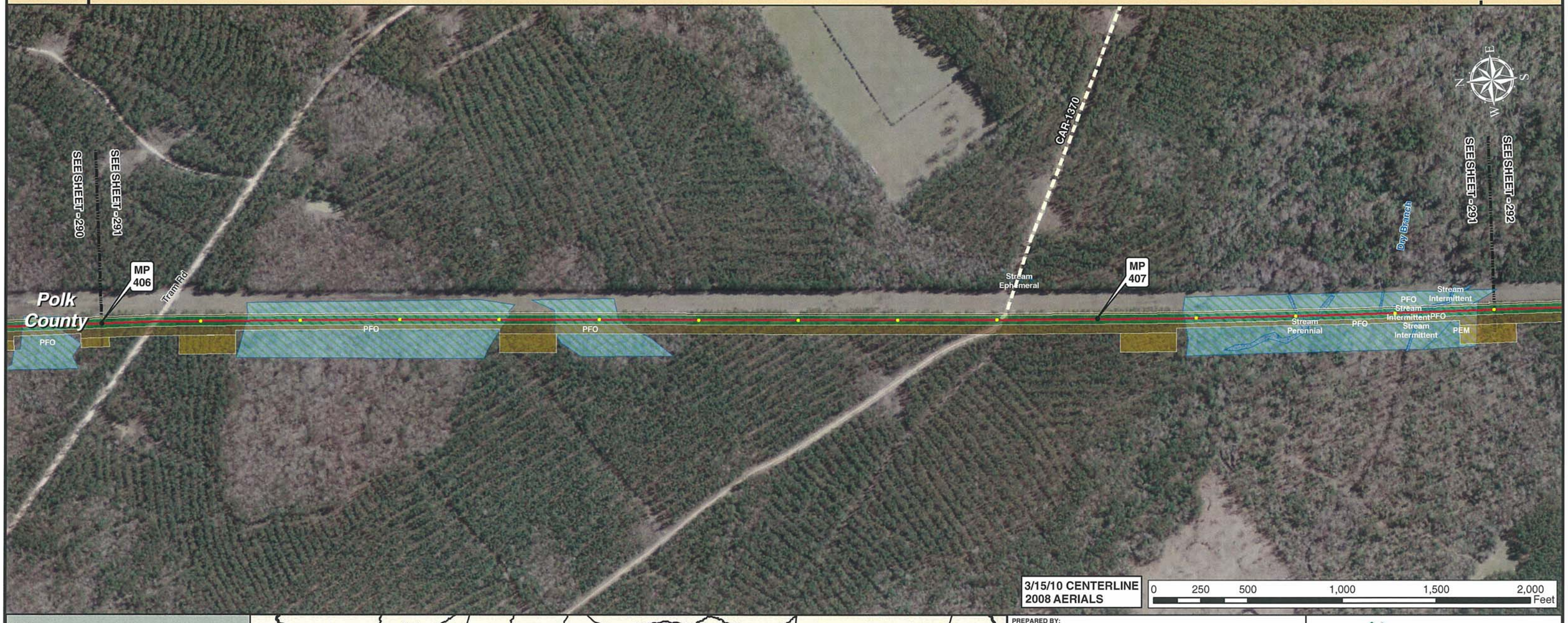
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-290 -A	290	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
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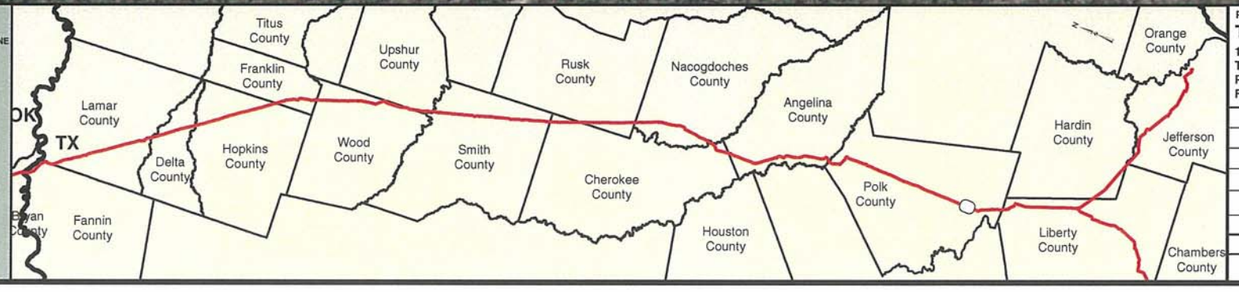

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POLK COUNTY, TEXAS

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

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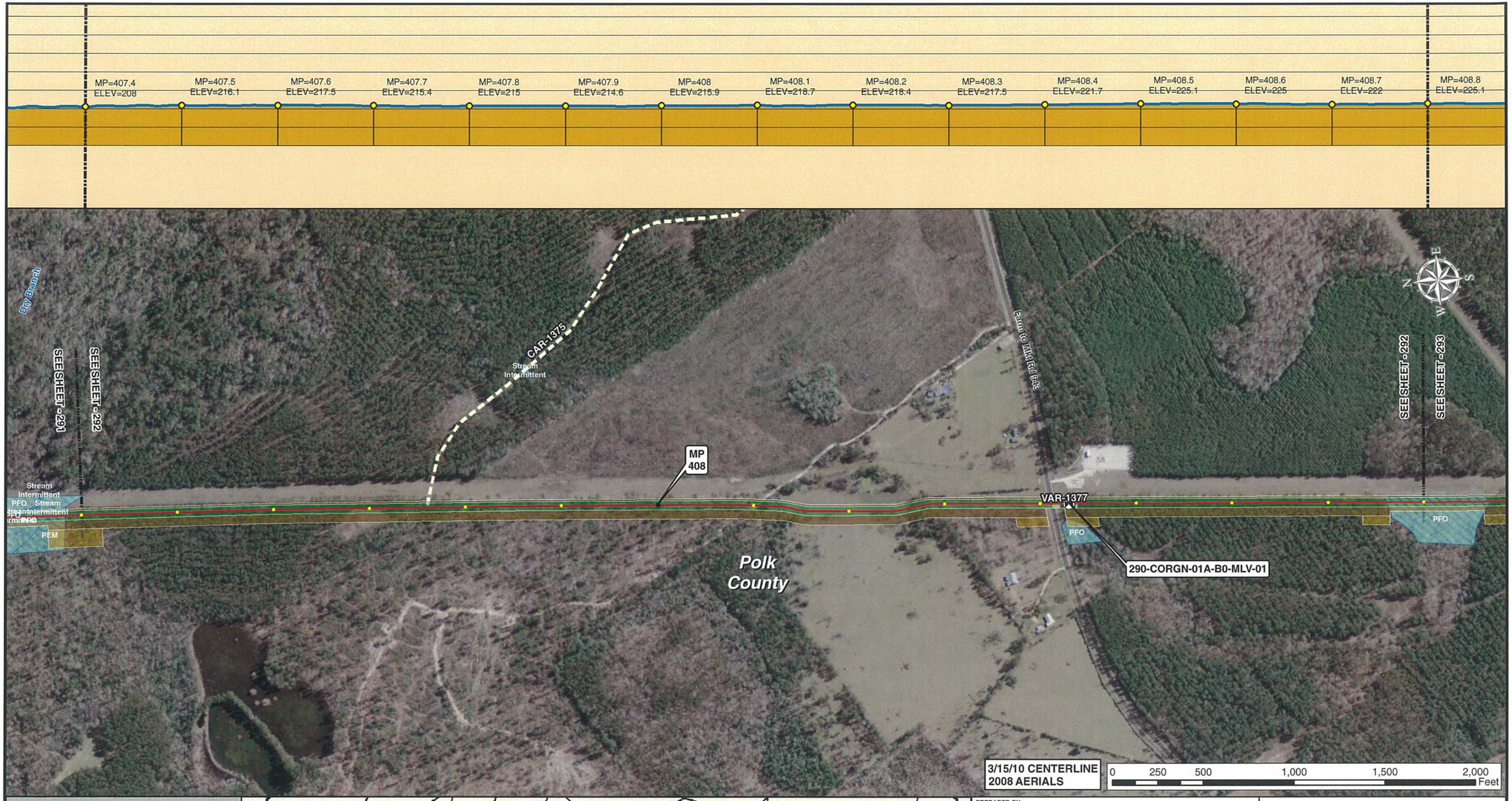
GS	SS	RG	50388X	XL-48-ML-2002-P-291 -A	291	2



Legend

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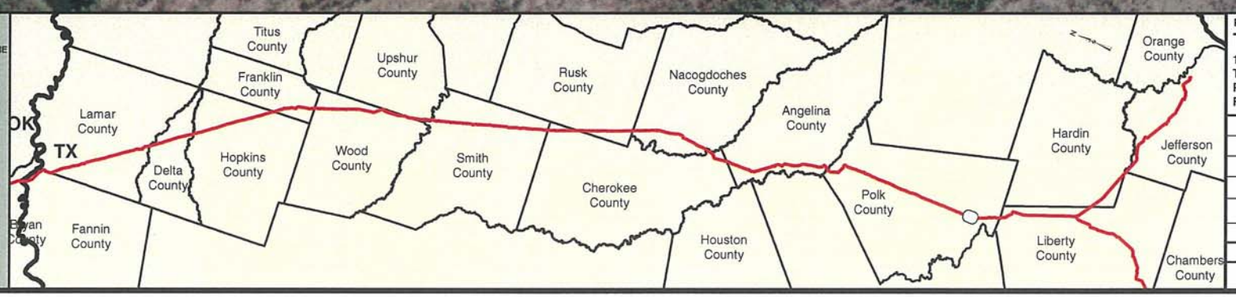

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POLK COUNTY, TEXAS

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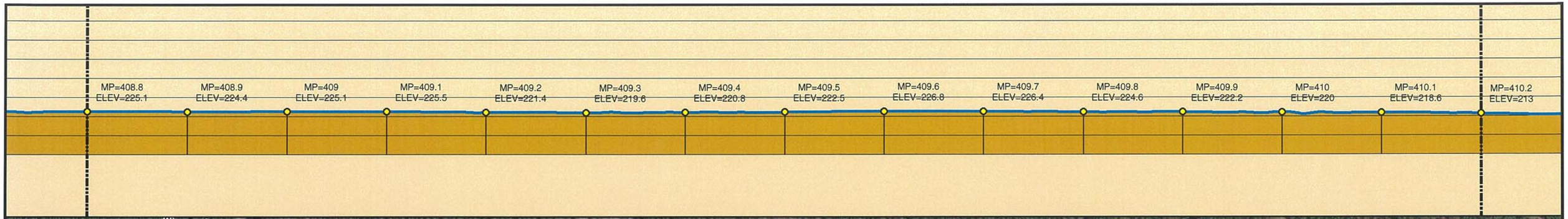
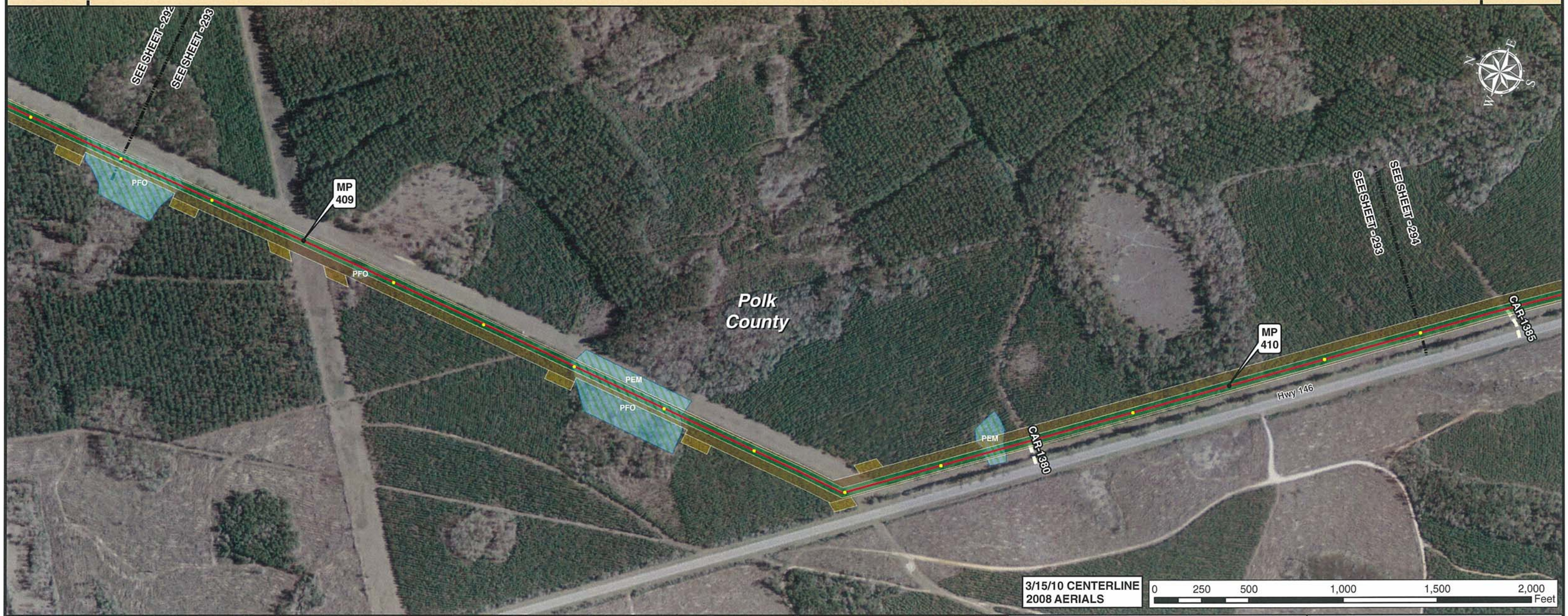
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-292 -A	292	2





Legend

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- KEYSTONE XL PROJECT
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MAP PARAMETERS
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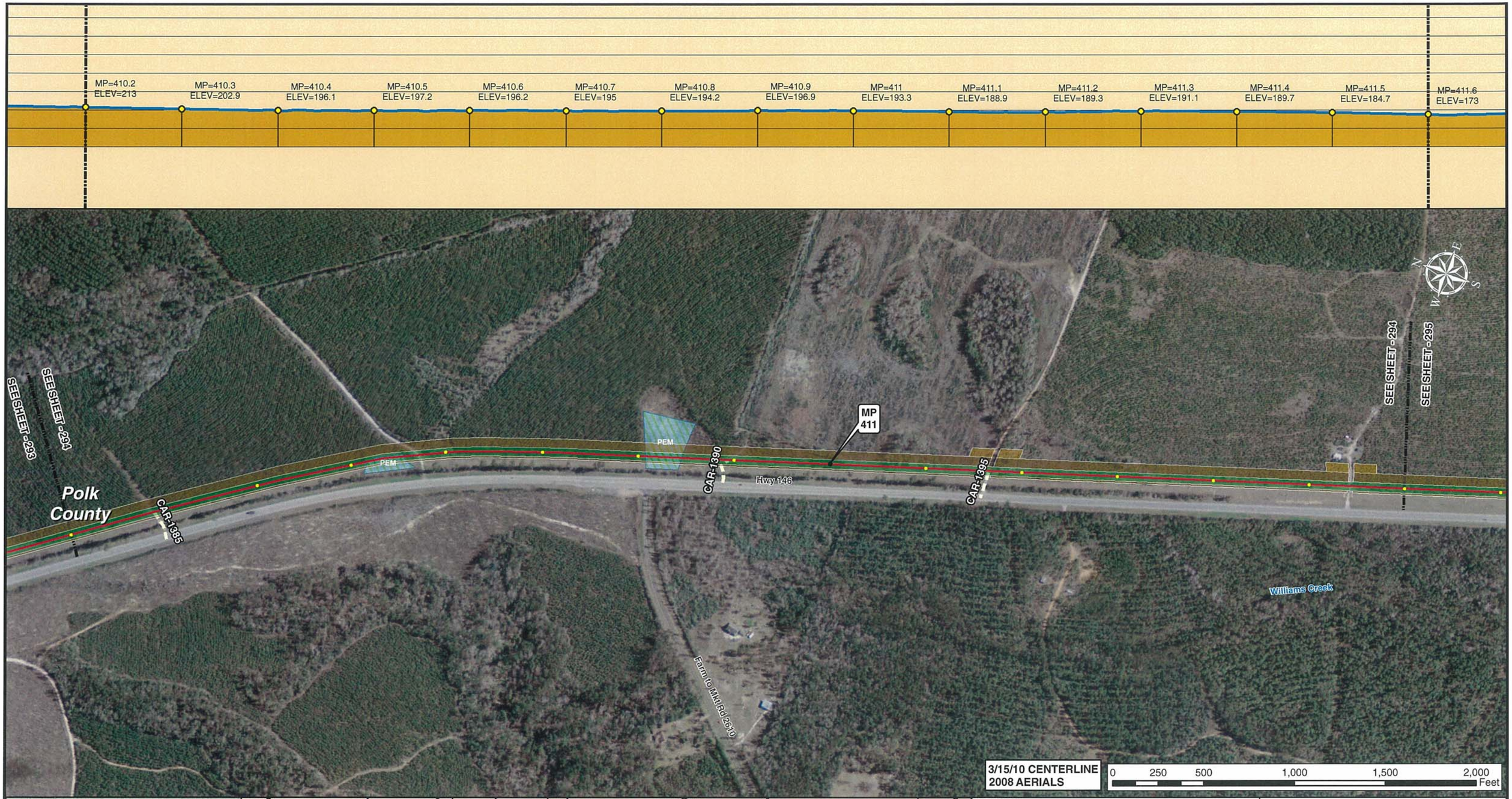
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-293 -A	293	2



Legend

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- KEYSTONE XL PROJECT
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- TEMPORARY EASEMENT
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POLK COUNTY, TEXAS

MAP PARAMETERS
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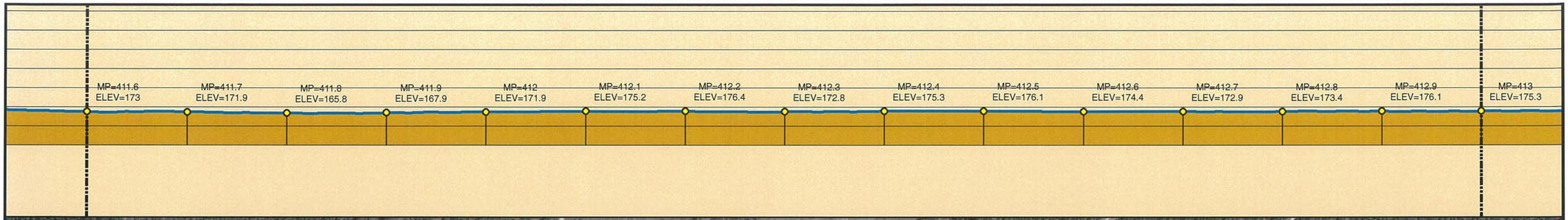
GS	SS	RG	50388X	XL-48-ML-2002-P-294 -A	294	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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- 0.1 MILE TICK MARK
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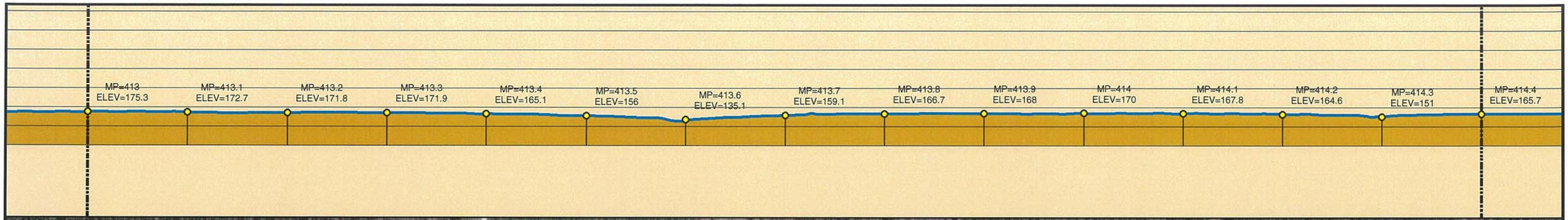
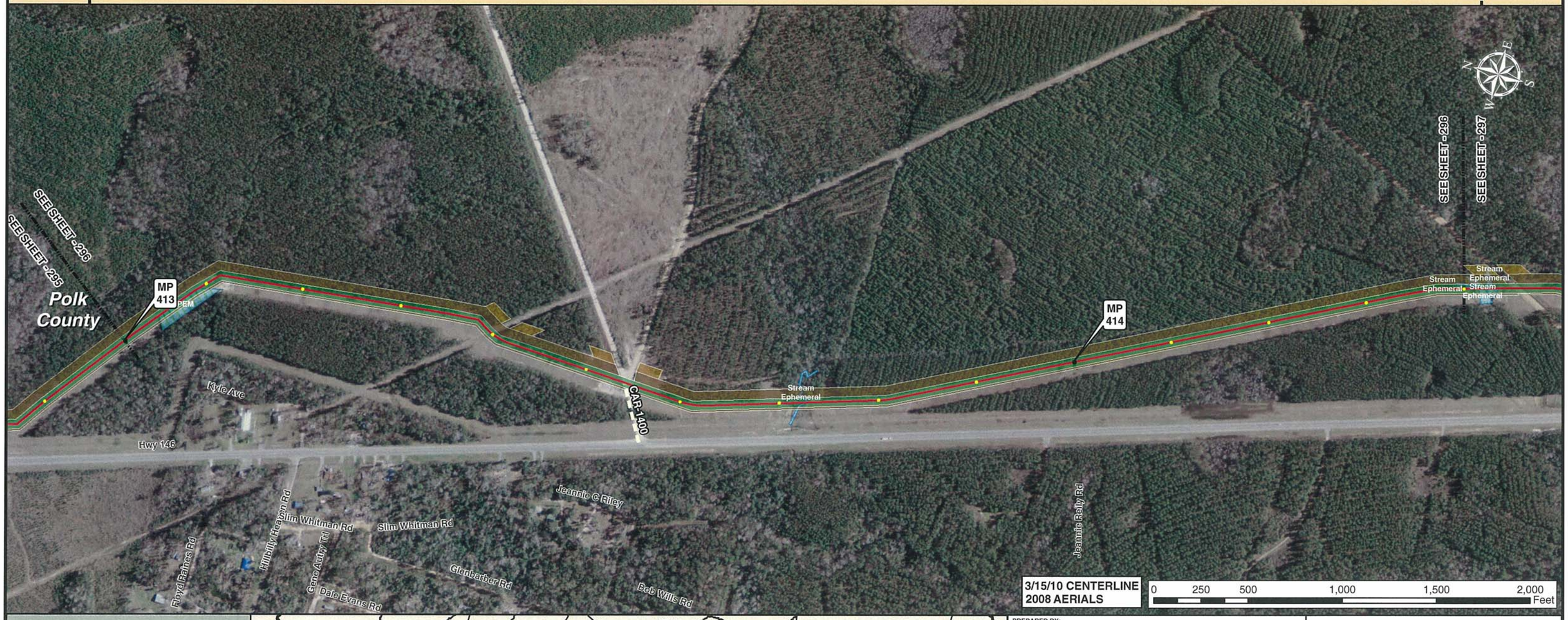
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

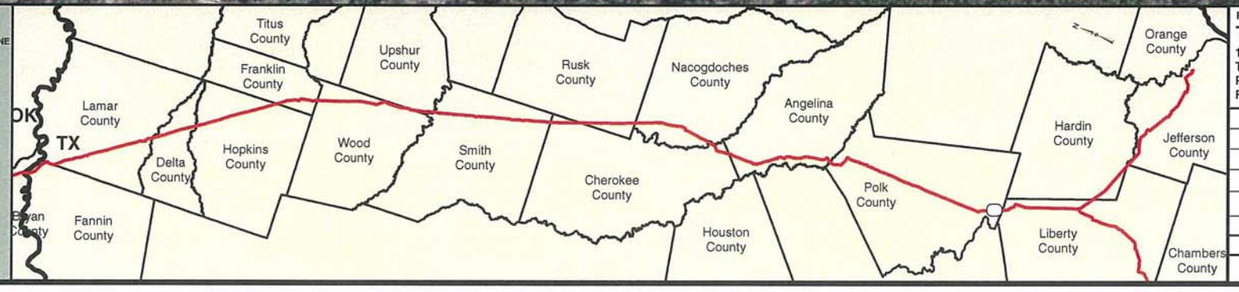
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-295 -A	295	2





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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Tallahassee, Florida , USA 32308
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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

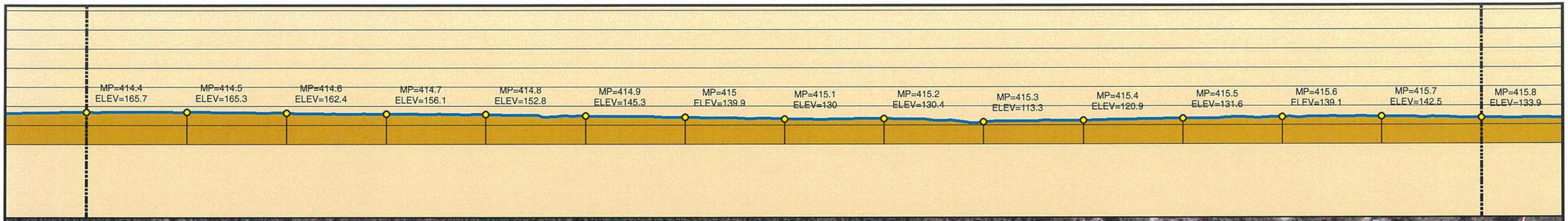
TransCanada
In business to deliver

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

POLK COUNTY, TEXAS

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-48-ML-2002-P-296 -A	296	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
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- PIPE YARD/CONTRACTOR YARD
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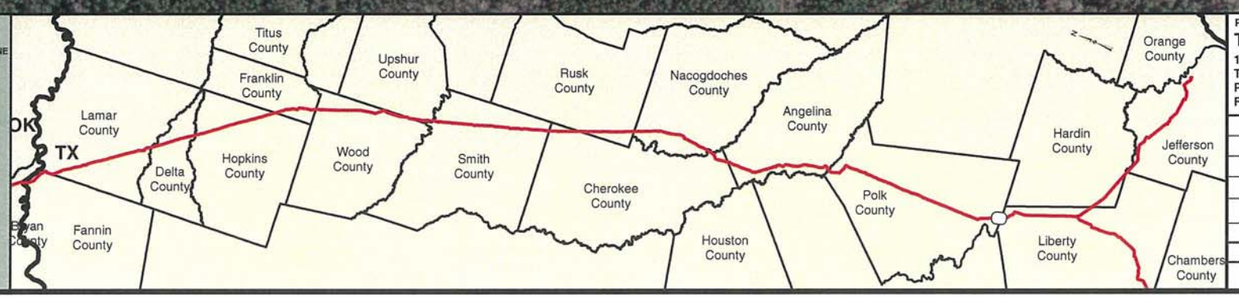
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

POLK COUNTY, TEXAS

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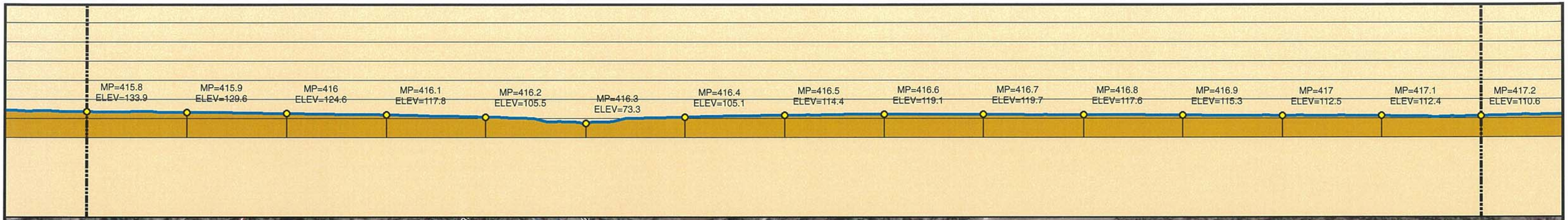
MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-297 -A	297	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
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- PIPE YARD
- CONTRACTOR YARD
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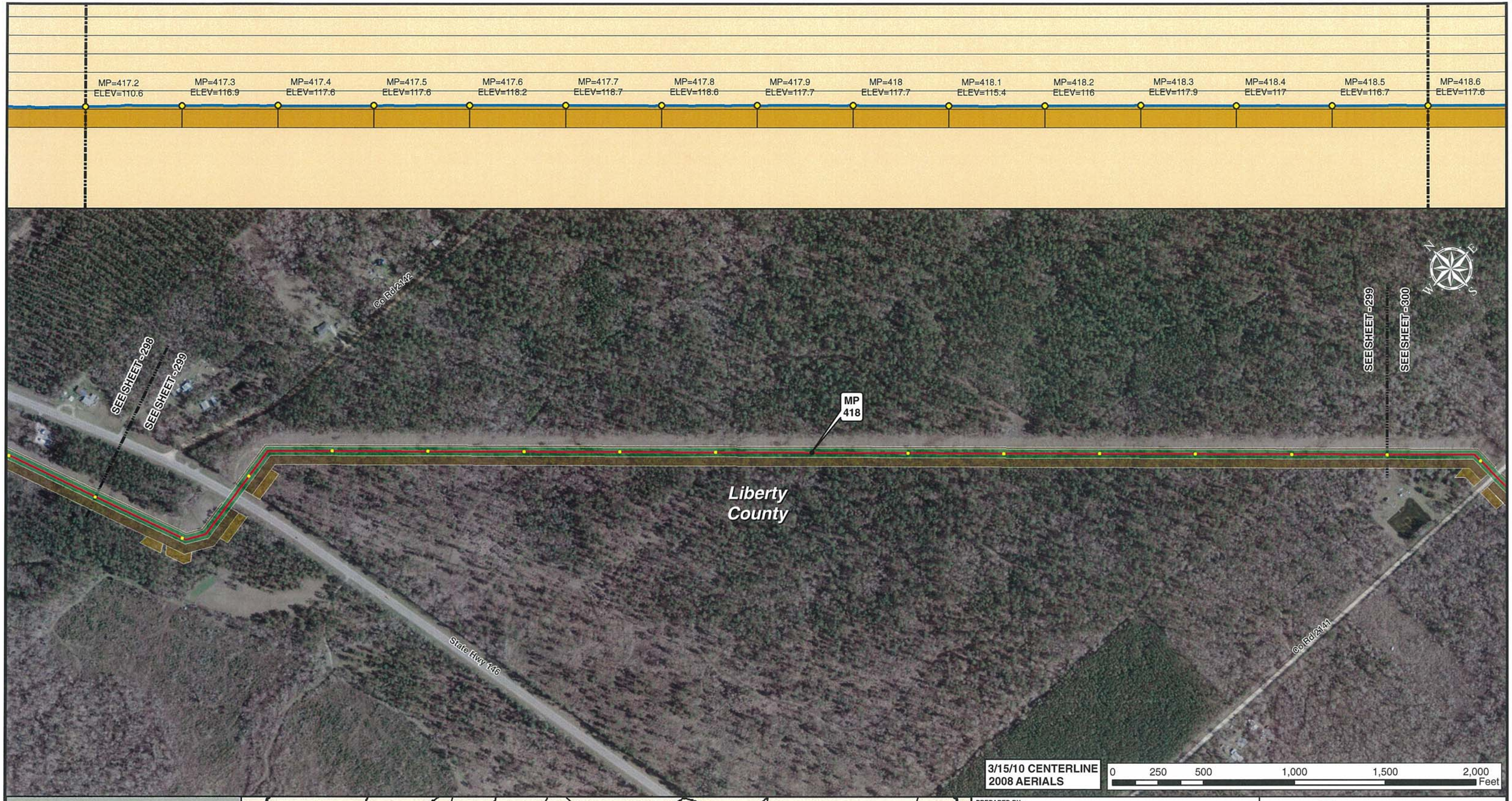
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
LIBERTY COUNTY, TEXAS

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-48-ML-2002-P-298 -A	298	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
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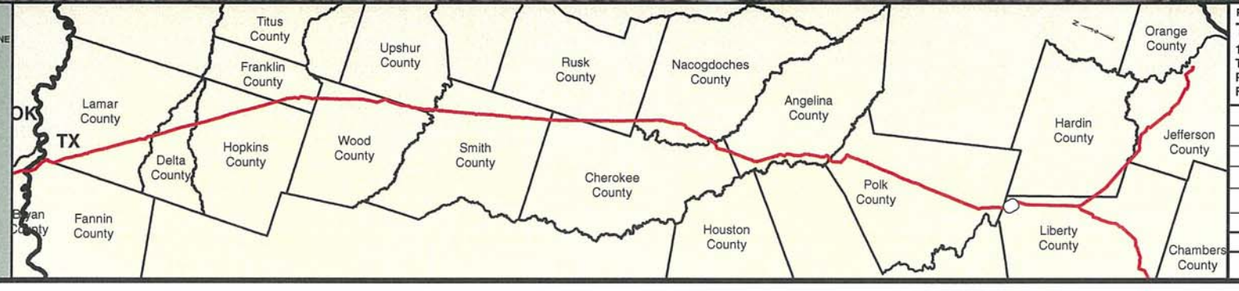
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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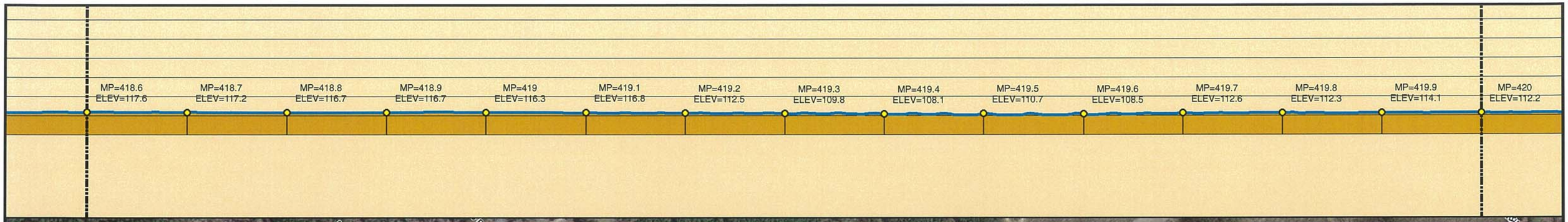
In business to deliver

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

LIBERTY COUNTY, TEXAS

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-48-ML-2002-P-299 -A	299	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
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- CONTRACTOR YARD
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ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
LIBERTY COUNTY, TEXAS

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DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-300 -A	300	2

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
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- EXTRA WORKSPACE
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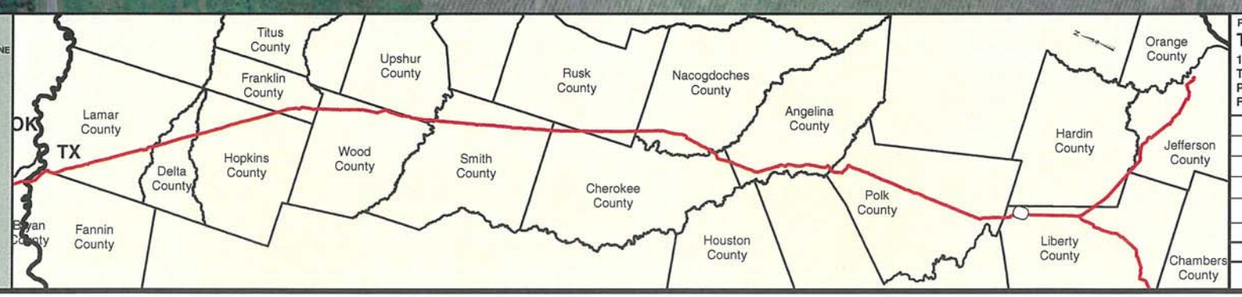

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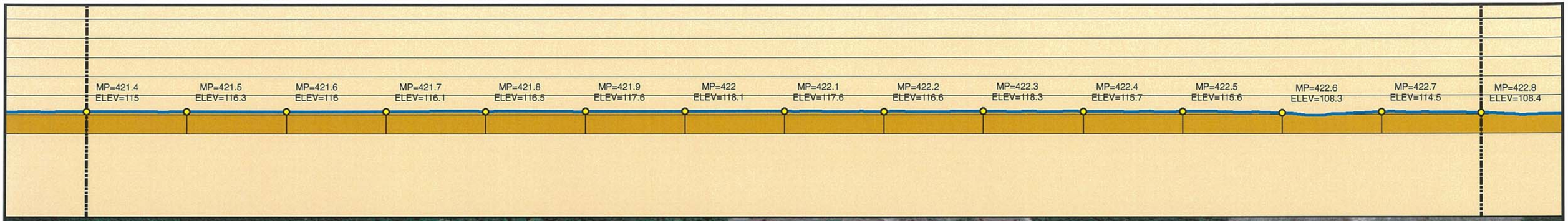
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LIBERTY COUNTY, TEXAS

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-48-ML-2002-P-301 -A	301	2



Legend

- MILE POST
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- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
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KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

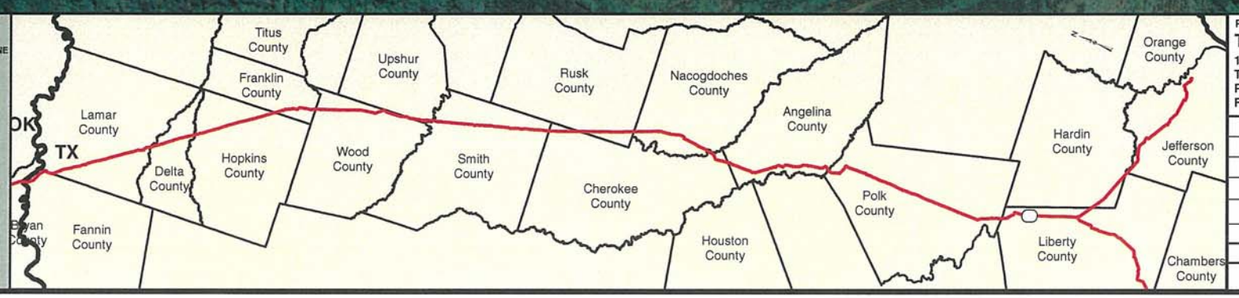
LIBERTY COUNTY, TEXAS

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-48-ML-2002-P-302 -A	302	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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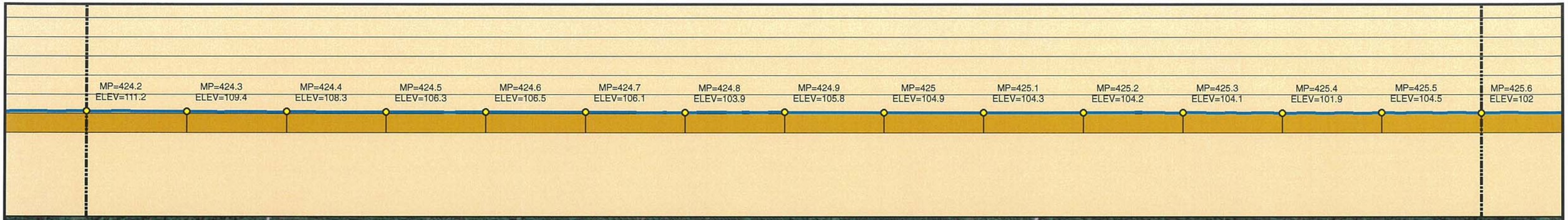
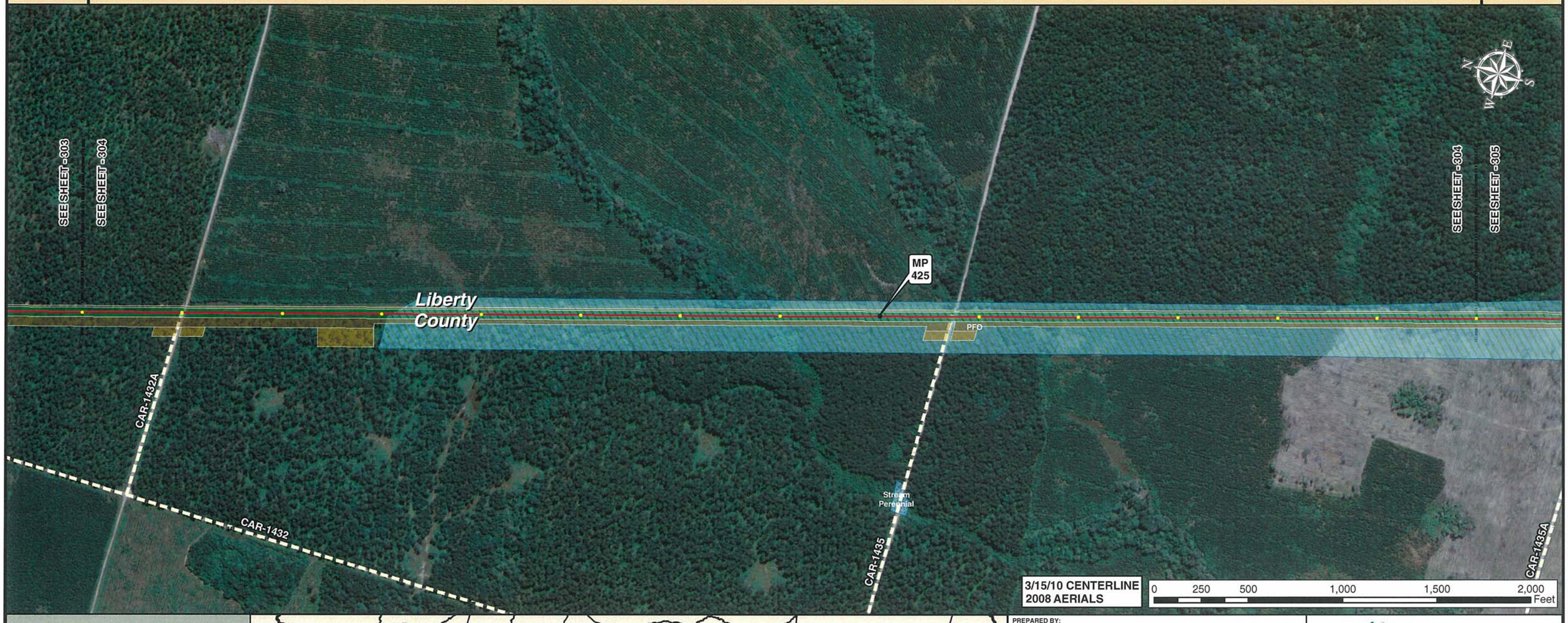
TransCanada
In business to deliver

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

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-48-ML-2002-P-303 -A	303	2





Legend

- MILE POST
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- VALVE
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- TEMPORARY EASEMENT
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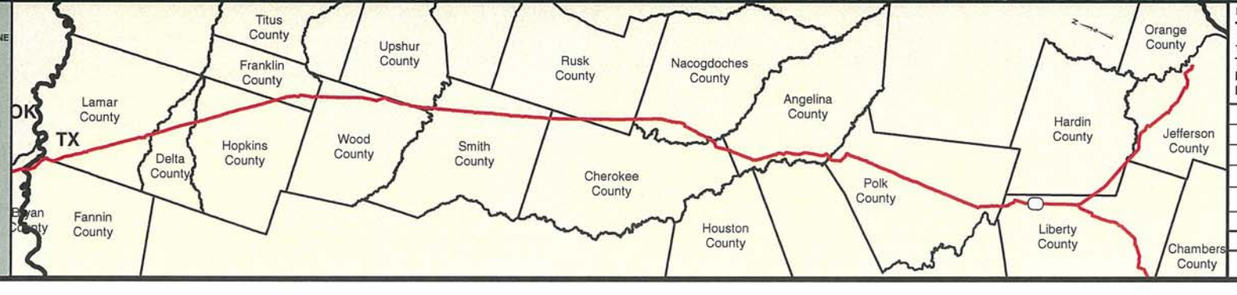

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LIBERTY COUNTY, TEXAS

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DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-304 -A	304	2

MP=425.6 ELEV=102 | MP=425.7 ELEV=101.5 | MP=425.8 ELEV=100.5 | MP=425.9 ELEV=101.2 | MP=426 ELEV=101.4 | MP=426.1 ELEV=101.2 | MP=426.2 ELEV=100.9 | MP=426.3 ELEV=100 | MP=426.4 ELEV=100.5 | MP=426.5 ELEV=99.9 | MP=426.6 ELEV=99.5 | MP=426.7 ELEV=99.6 | MP=426.8 ELEV=98.6 | MP=426.9 ELEV=98 | MP=427 ELEV=97.5

SEE SHEET - 304

SEE SHEET - 305

SEE SHEET - 305

SEE SHEET - 306

MP 426

MP 427

Liberty County

PFO

PEM

PFO

CAR-1435A

Stream Perennial

CAR-1440

3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
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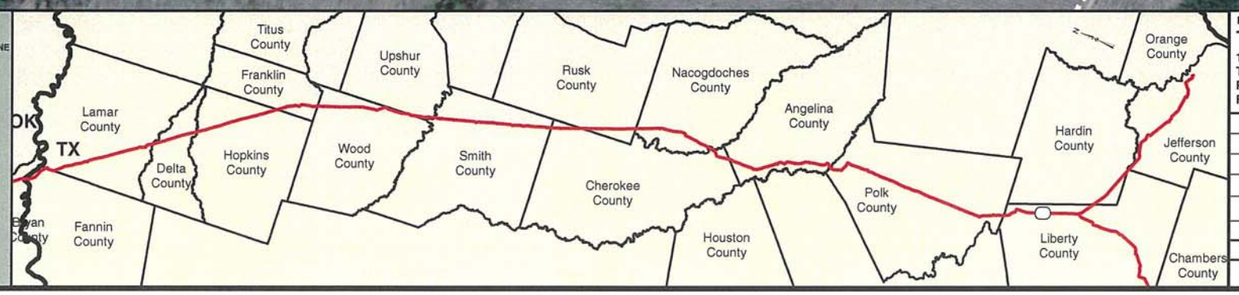

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LIBERTY COUNTY, TEXAS

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GS	SS	RG	50388X	XL-48-ML-2002-P-305 -A	305	2

MP=427 ELEV=97.5 | MP=427.1 ELEV=96.9 | MP=427.2 ELEV=97.1 | MP=427.3 ELEV=96.6 | MP=427.4 ELEV=97.8 | MP=427.5 ELEV=97.9 | MP=427.6 ELEV=97.6 | MP=427.7 ELEV=97.5 | MP=427.8 ELEV=97.5 | MP=427.9 ELEV=97.3 | MP=428 ELEV=96.9 | MP=428.1 ELEV=96.7 | MP=428.2 ELEV=96 | MP=428.3 ELEV=96 | MP=428.4 ELEV=95.5

SEE SHEET - 305

SEE SHEET - 306

SEE SHEET - 306

SEE SHEET - 307

MP 427

MP 428

Liberty County

PFO

Stream Intermittent

PFO

PFO

Kopa W

PFO

CAR-1445

3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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- 0.1 MILE TICK MARK
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DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-306 -A	306	2

MP=428.4 ELEV=95.5	MP=428.5 ELEV=95.5	MP=428.6 ELEV=95.7	MP=428.7 ELEV=95.5	MP=428.8 ELEV=96.3	MP=428.9 ELEV=96	MP=429 ELEV=95.7	MP=429.1 ELEV=96.9	MP=429.2 ELEV=96.8	MP=429.3 ELEV=97.4	MP=429.4 ELEV=97.5	MP=429.5 ELEV=97.5	MP=429.6 ELEV=97.6	MP=429.7 ELEV=97.8	MP=429.8 ELEV=97.8

3/15/10 CENTERLINE
2008 AERIALS

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

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

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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

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

LIBERTY COUNTY, TEXAS

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-48-ML-2002-P-307 -A	307	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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- PIPE YARD
- CONTRACTOR YARD
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KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LIBERTY COUNTY, TEXAS

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-48-ML-2002-P-308 -A	308	2

Legend

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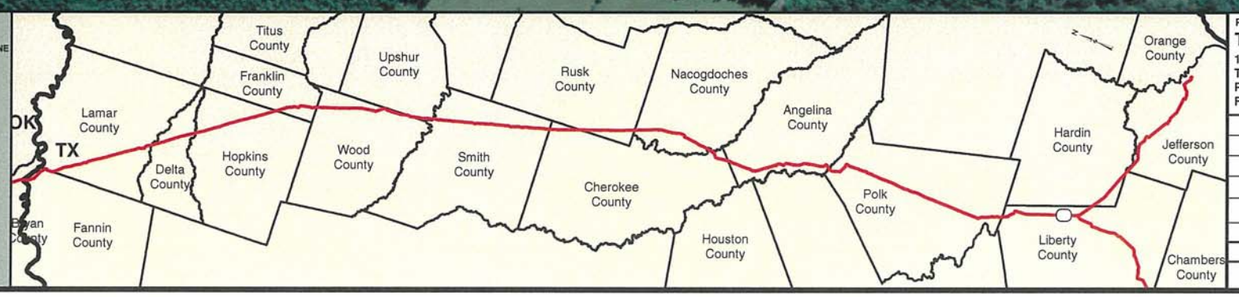
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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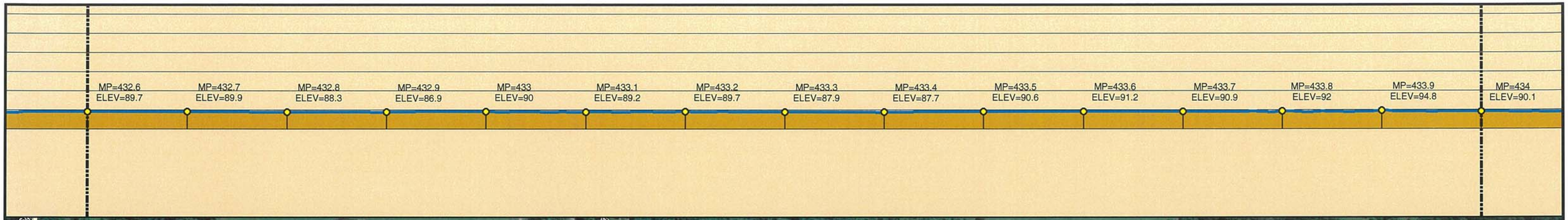
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LIBERTY COUNTY, TEXAS

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-48-ML-2002-P-309 -A	309	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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- PIPE YARD
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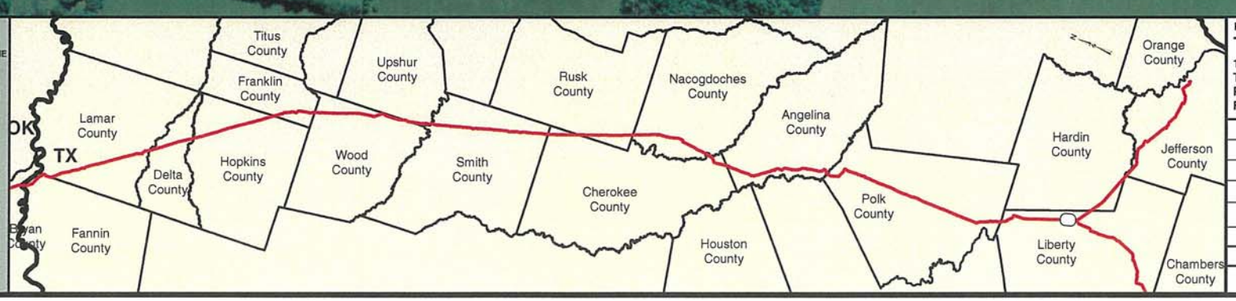
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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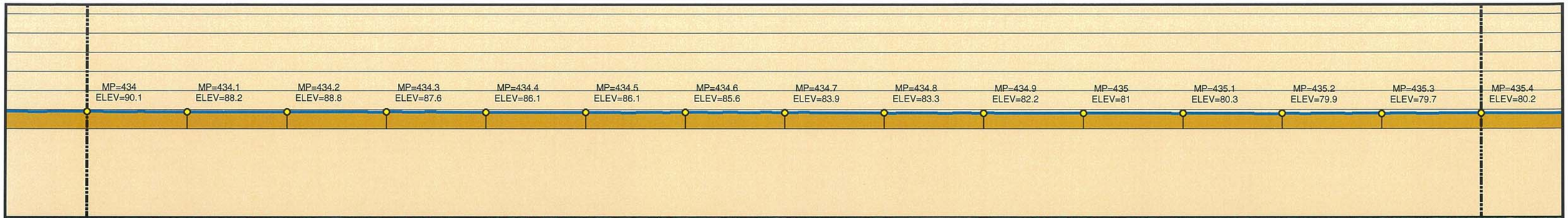
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LIBERTY COUNTY, TEXAS

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-48-ML-2002-P-310 -A	310	2



3/15/10 CENTERLINE
2008 AERIALS

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

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
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- RAILROAD SIDING
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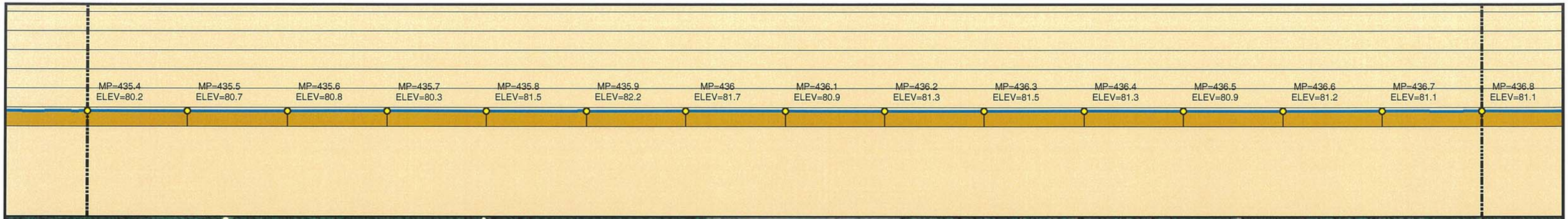
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LIBERTY COUNTY, TEXAS

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-48-ML-2002-P-311 -A	311	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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- PUMP STATION
- PIPE YARD
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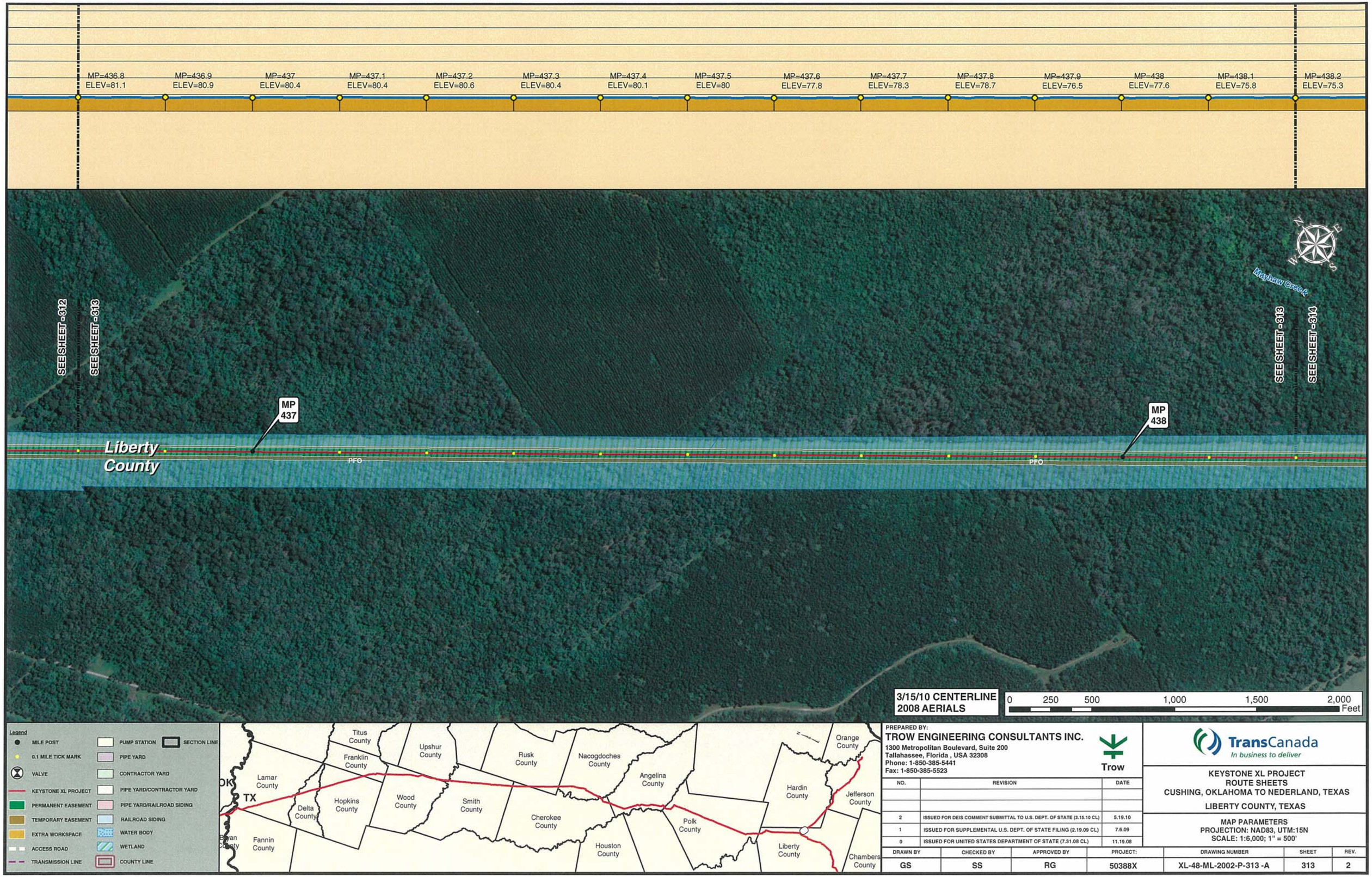
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
LIBERTY COUNTY, TEXAS

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-48-ML-2002-P-312 -A	312	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
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- TEMPORARY EASEMENT
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KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
LIBERTY COUNTY, TEXAS

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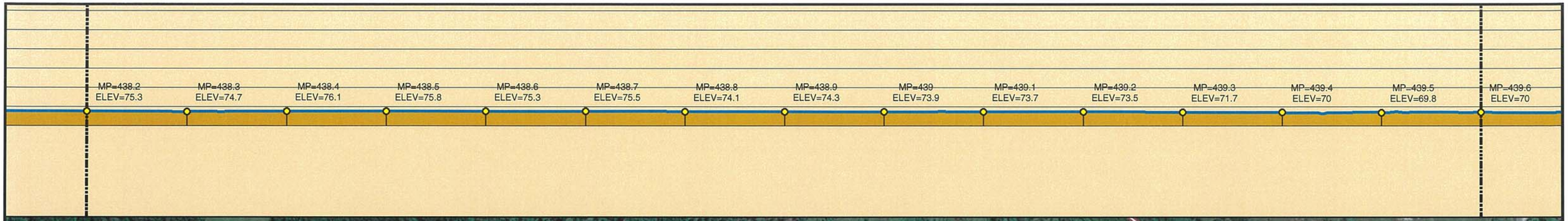
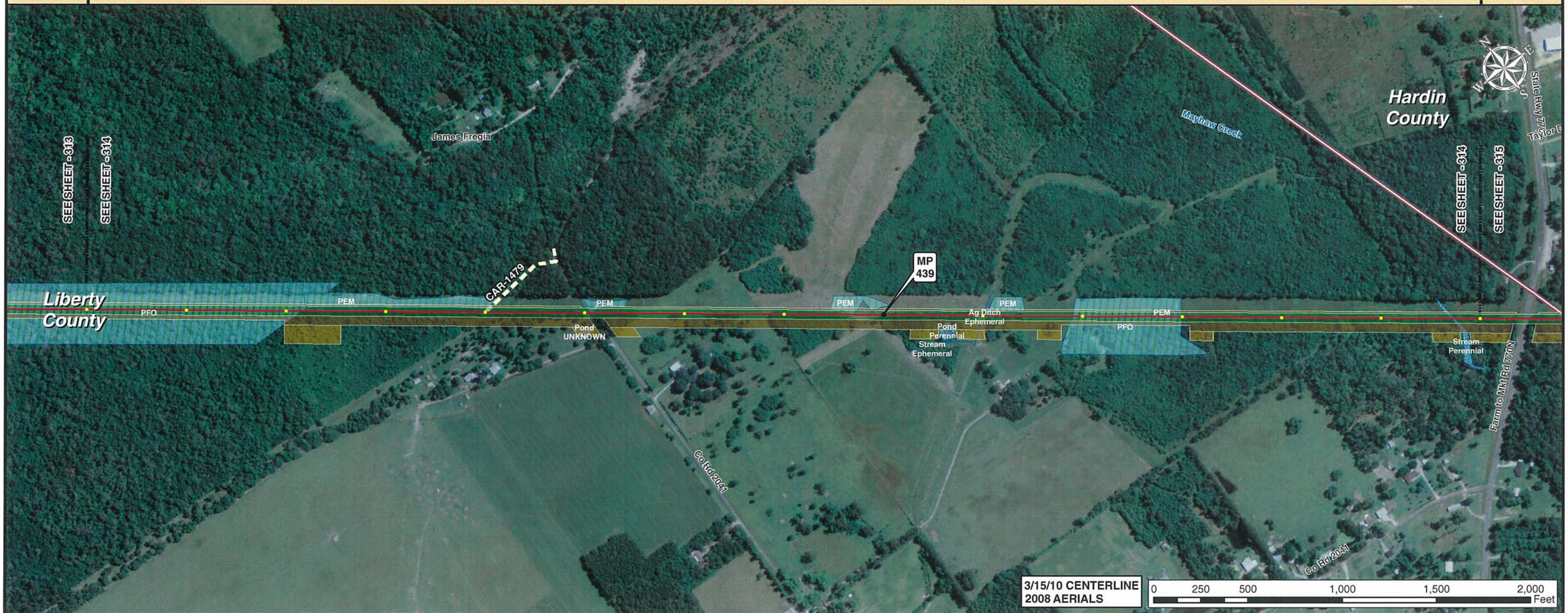
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-313 -A	313	2





Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
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TransCanada
In business to deliver

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

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-48-ML-2002-P-314 -A	314	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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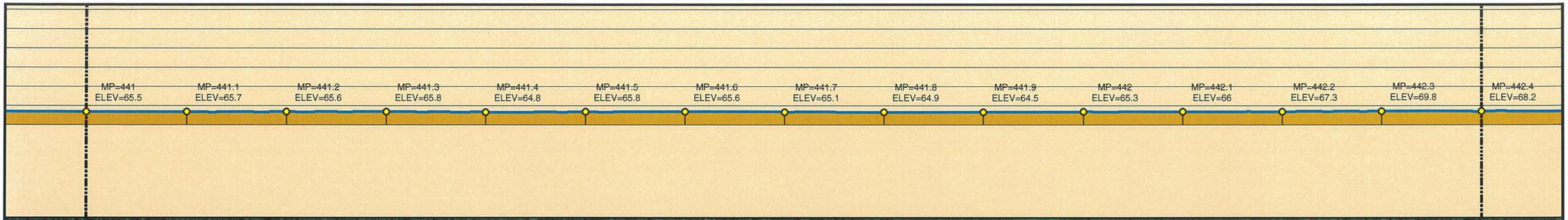
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

HARDIN COUNTY, TEXAS

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-48-ML-2002-P-315 -A	315	2



SEE SHEET -315
SEE SHEET -316
SEE SHEET -316
SEE SHEET -317

MP 441

MP 442

Hardin County

PFO

PFO

PEM

Mayhaw Creek

3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
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ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

HARDIN COUNTY, TEXAS

MAP PARAMETERS
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DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-316 -A	316	2

3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
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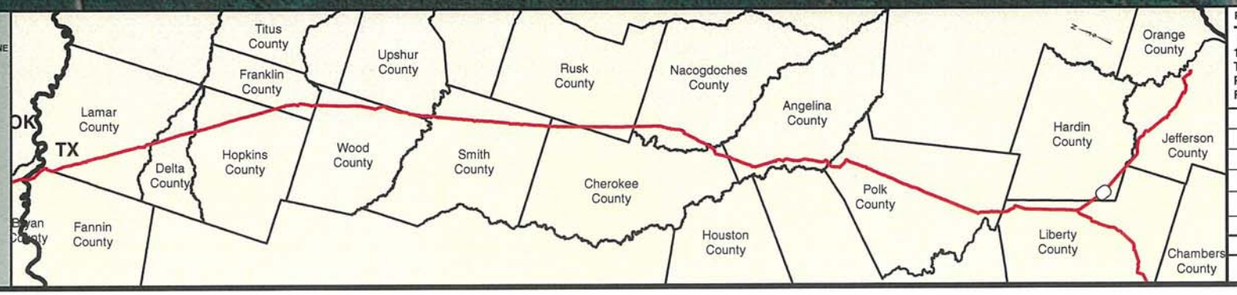

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HARDIN COUNTY, TEXAS

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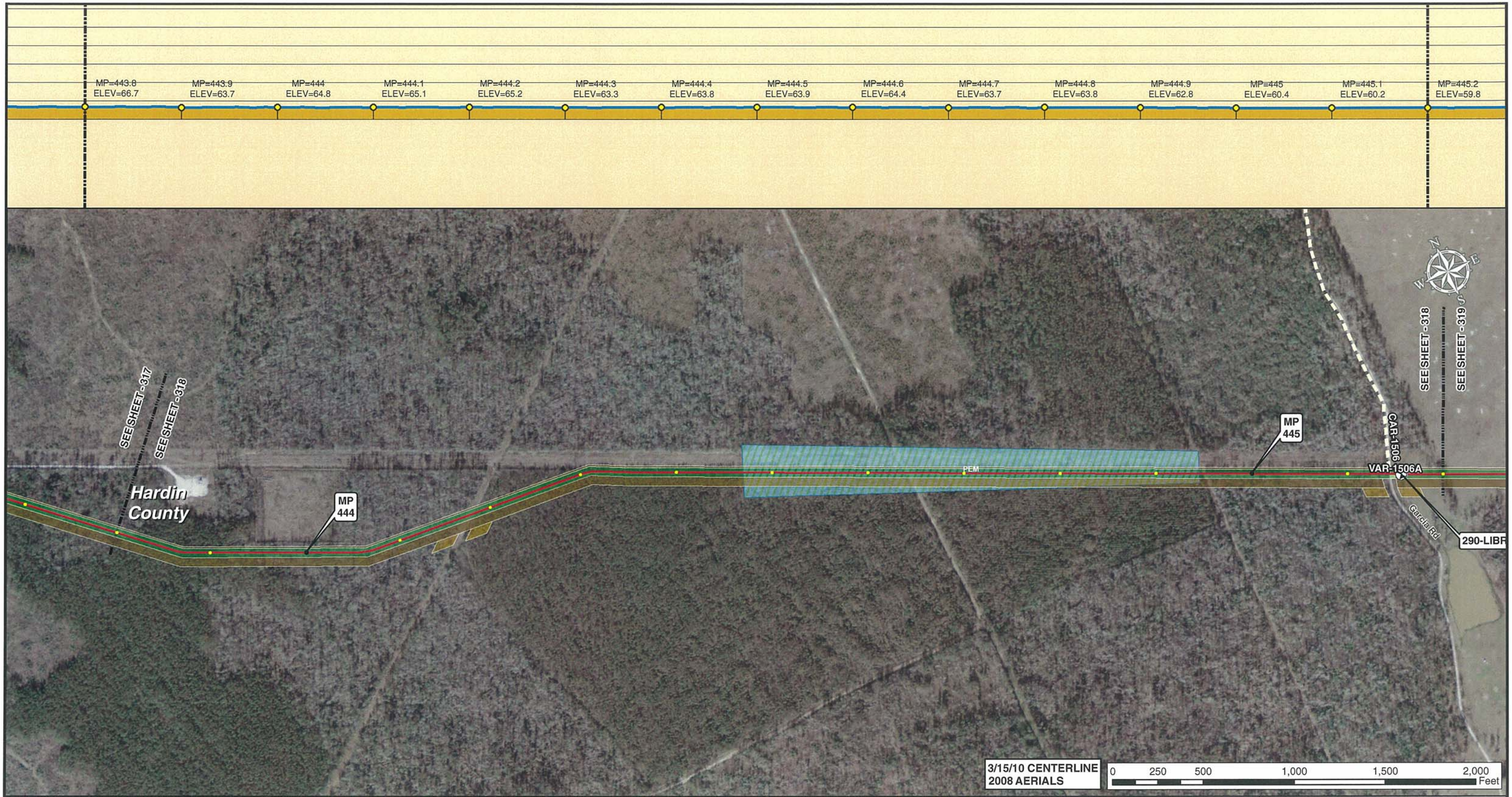
GS	SS	RG	50388X	XL-48-ML-2002-P-317 -A	317	2



Legend

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ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

HARDIN COUNTY, TEXAS

MAP PARAMETERS
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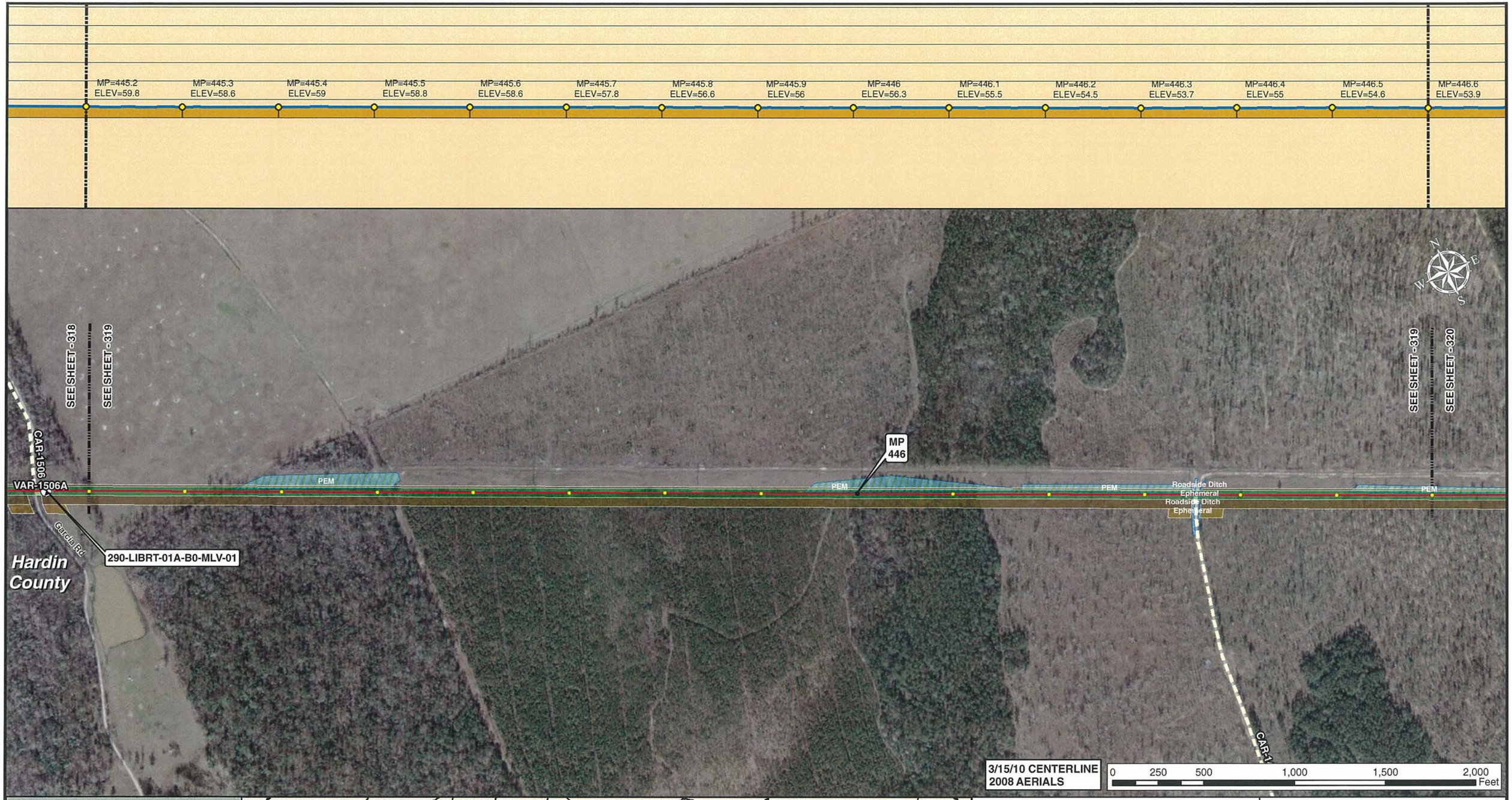
GS	SS	RG	50388X	XL-48-ML-2002-P-318 -A	318	2



Legend

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TransCanada
In business to deliver

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

HARDIN COUNTY, TEXAS

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

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

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-319 -A	319	2

MP=446.6 ELEV=53.9 | MP=446.7 ELEV=52.9 | MP=446.8 ELEV=52.6 | MP=446.9 ELEV=51.2 | MP=447 ELEV=48.5 | MP=447.1 ELEV=48.4 | MP=447.2 ELEV=44.7 | MP=447.3 ELEV=48.1 | MP=447.4 ELEV=47.9 | MP=447.5 ELEV=49.2 | MP=447.6 ELEV=50 | MP=447.7 ELEV=48.4 | MP=447.8 ELEV=47.8 | MP=447.9 ELEV=48.3 | MP=448 ELEV=47.7

SEE SHEET -319

SEE SHEET -320

SEE SHEET -320

SEE SHEET -321

MP 447

MP 448

PEM

Stream Intermittent

Hardin County

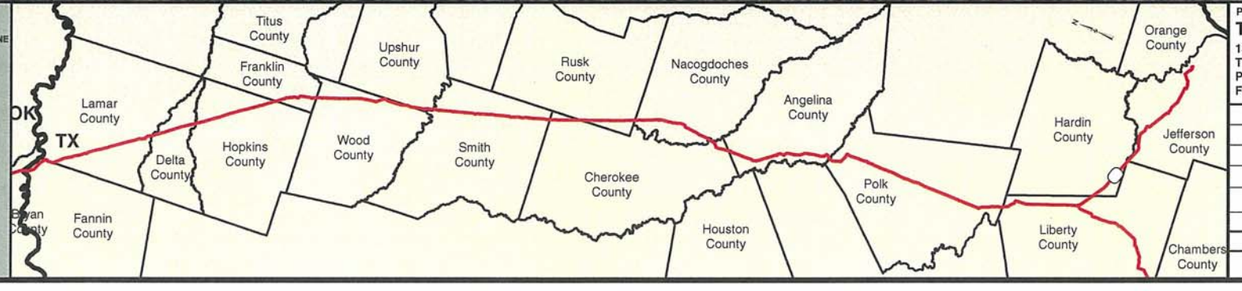
Missouri Pacific Railroad

3/15/10 CENTERLINE
2008 AERIALS

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

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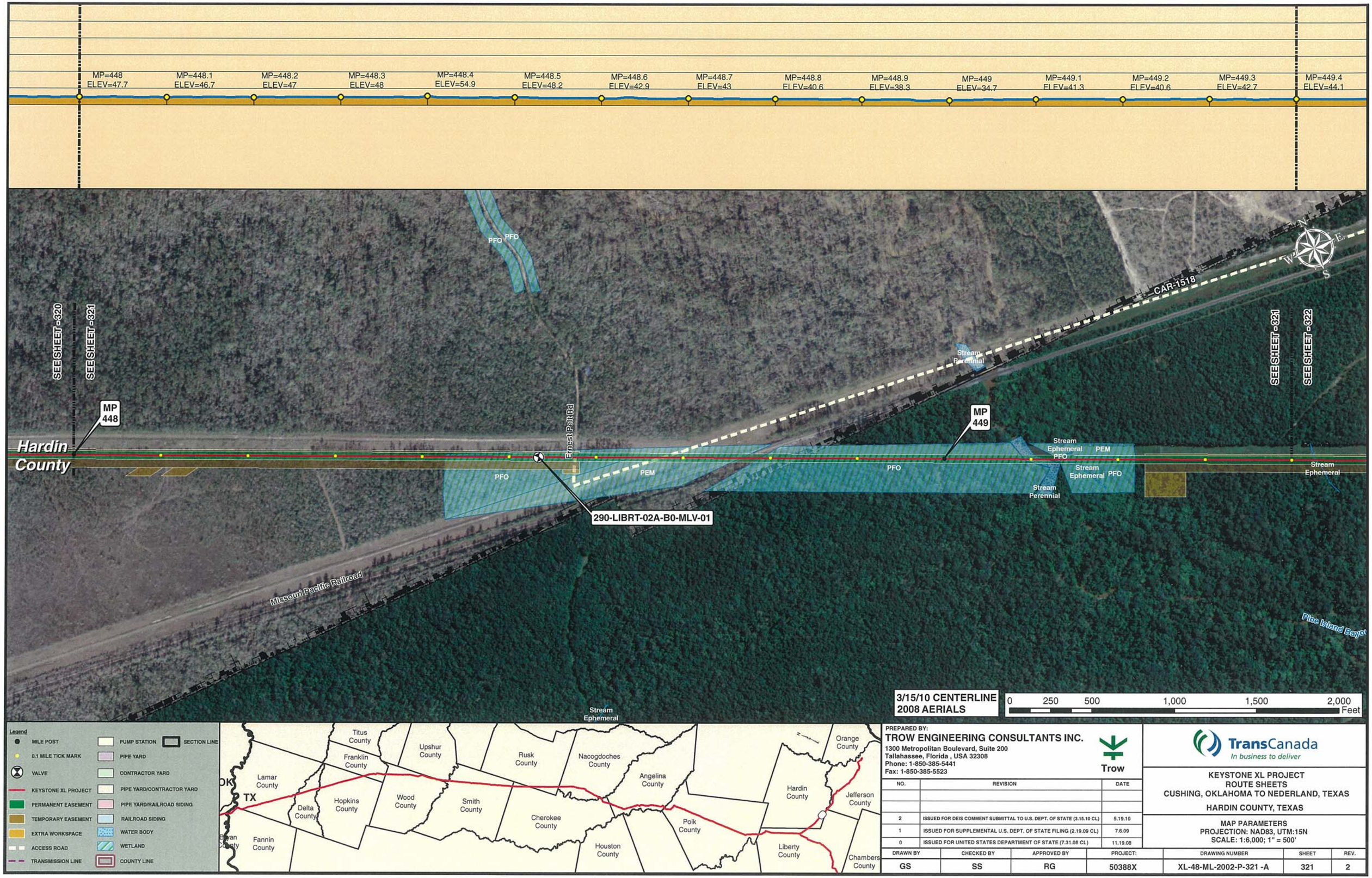
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

HARDIN COUNTY, TEXAS

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-48-ML-2002-P-320 -A	320	2



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

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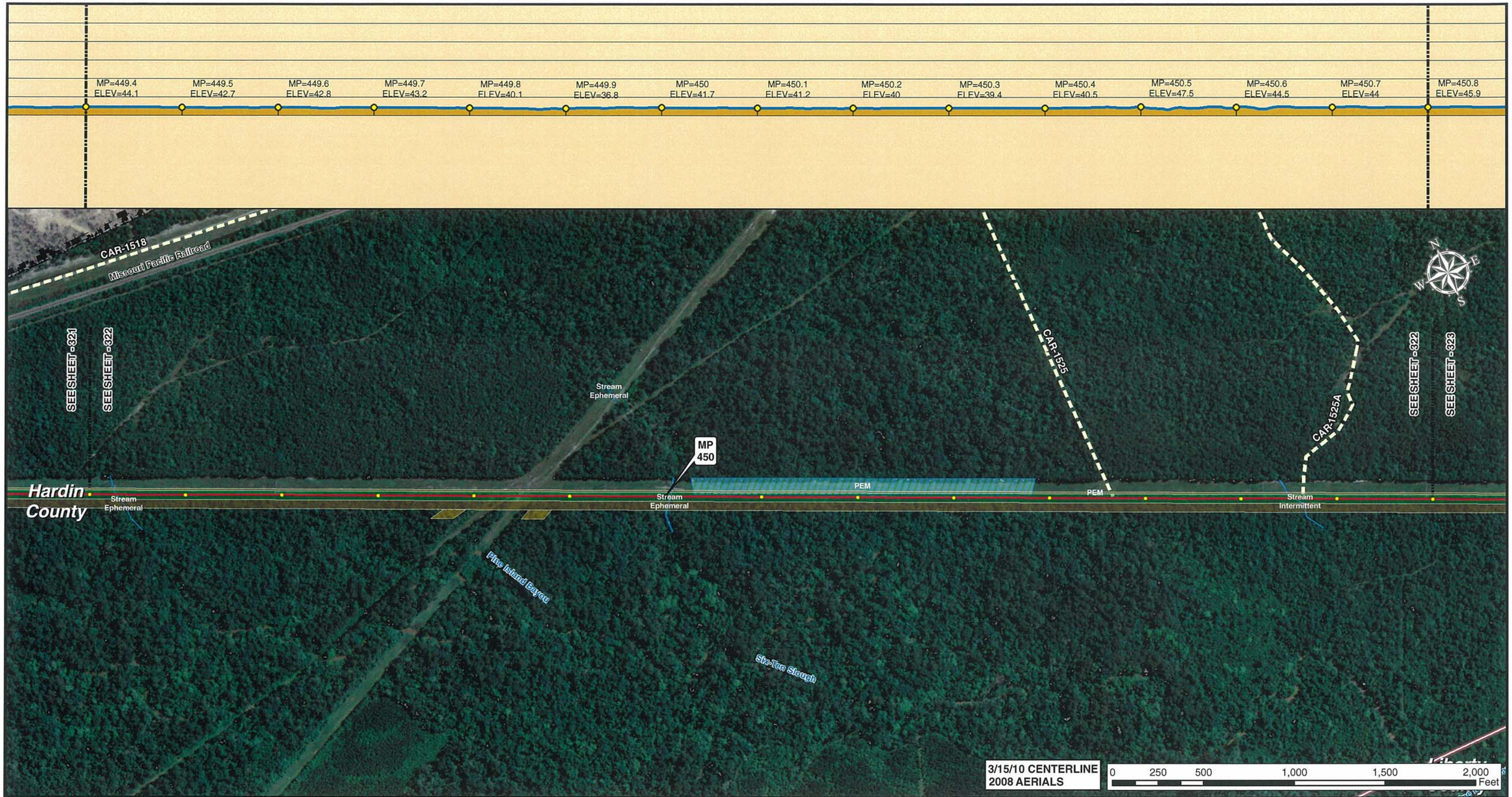
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-321 -A	321	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
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- RAILROAD SIDING
- WATER BODY
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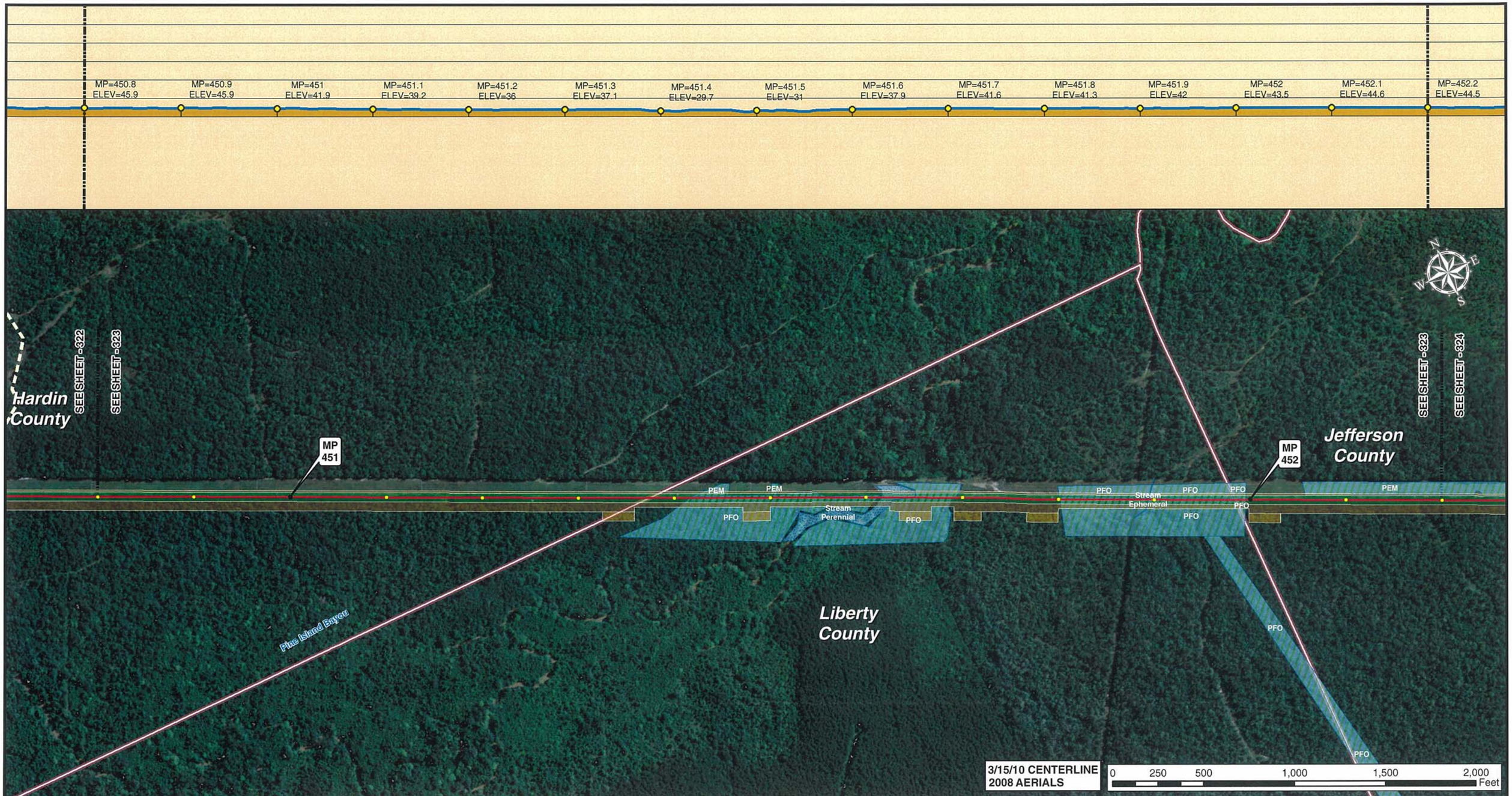
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

HARDIN COUNTY, TEXAS

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-48-ML-2002-P-322 -A	322	2



3/15/10 CENTERLINE
2008 AERIALS

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

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
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CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

LIBERTY COUNTY, TEXAS

MAP PARAMETERS
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DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-323 -A	323	2

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SEE SHEET - 323

SEE SHEET - 324

Hardin County

Pine Island Bayou

Stream Perennial

Hardin County

SEE SHEET - 324

SEE SHEET - 325

MP 453

PEM

PEM

PEM

Jefferson County

Stream Ephemeral

Pond Intermittent

CAR-1540

Pond Perennial

CAR-1542

PFO

3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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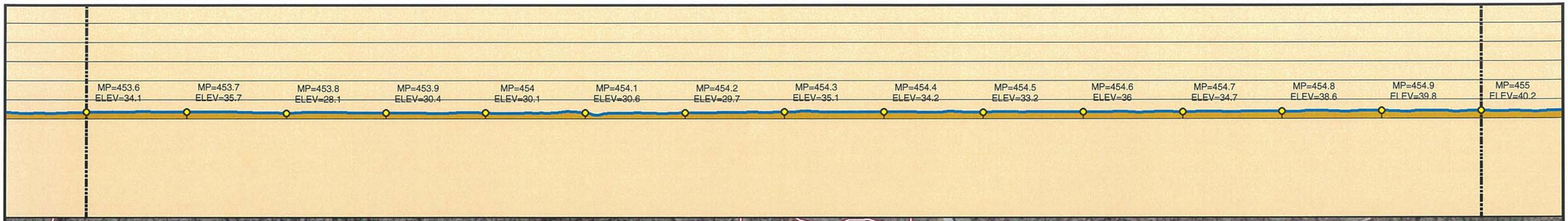
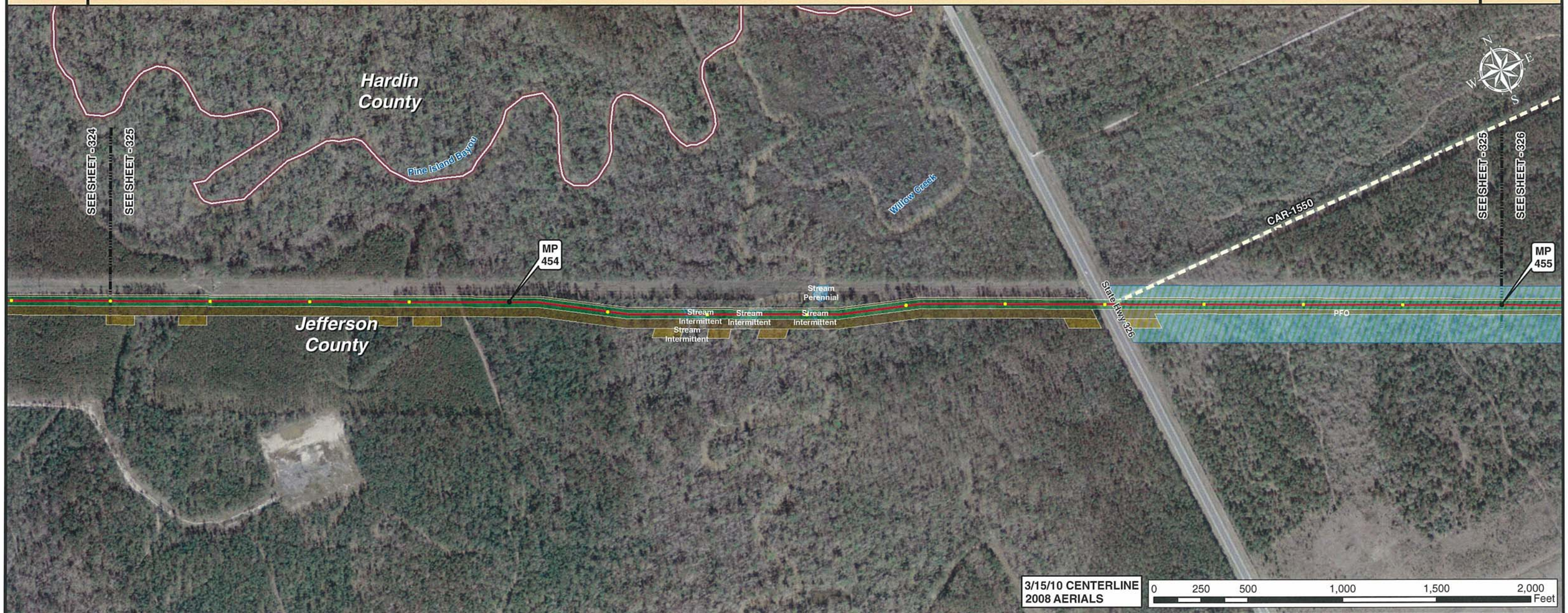
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

JEFFERSON COUNTY, TEXAS

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-48-ML-2002-P-324 -A	324	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
- ACCESS ROAD
- TRANSMISSION LINE
- PUMP STATION
- SECTION LINE
- PIPE YARD
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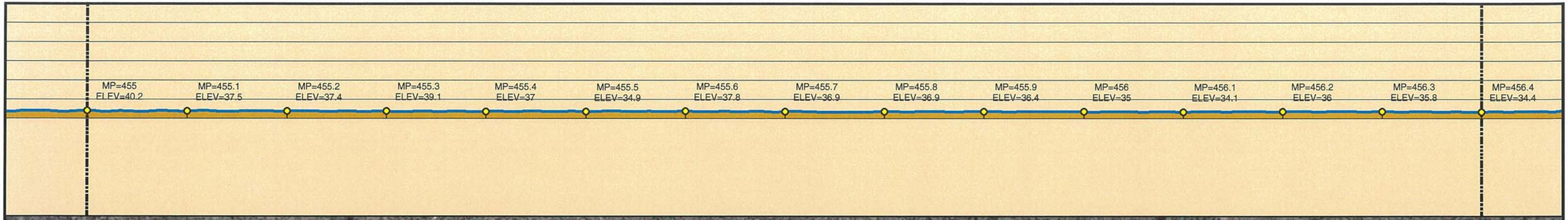
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-325 -A	325	2



3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
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- VALVE
- KEYSTONE XL PROJECT
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JEFFERSON COUNTY, TEXAS

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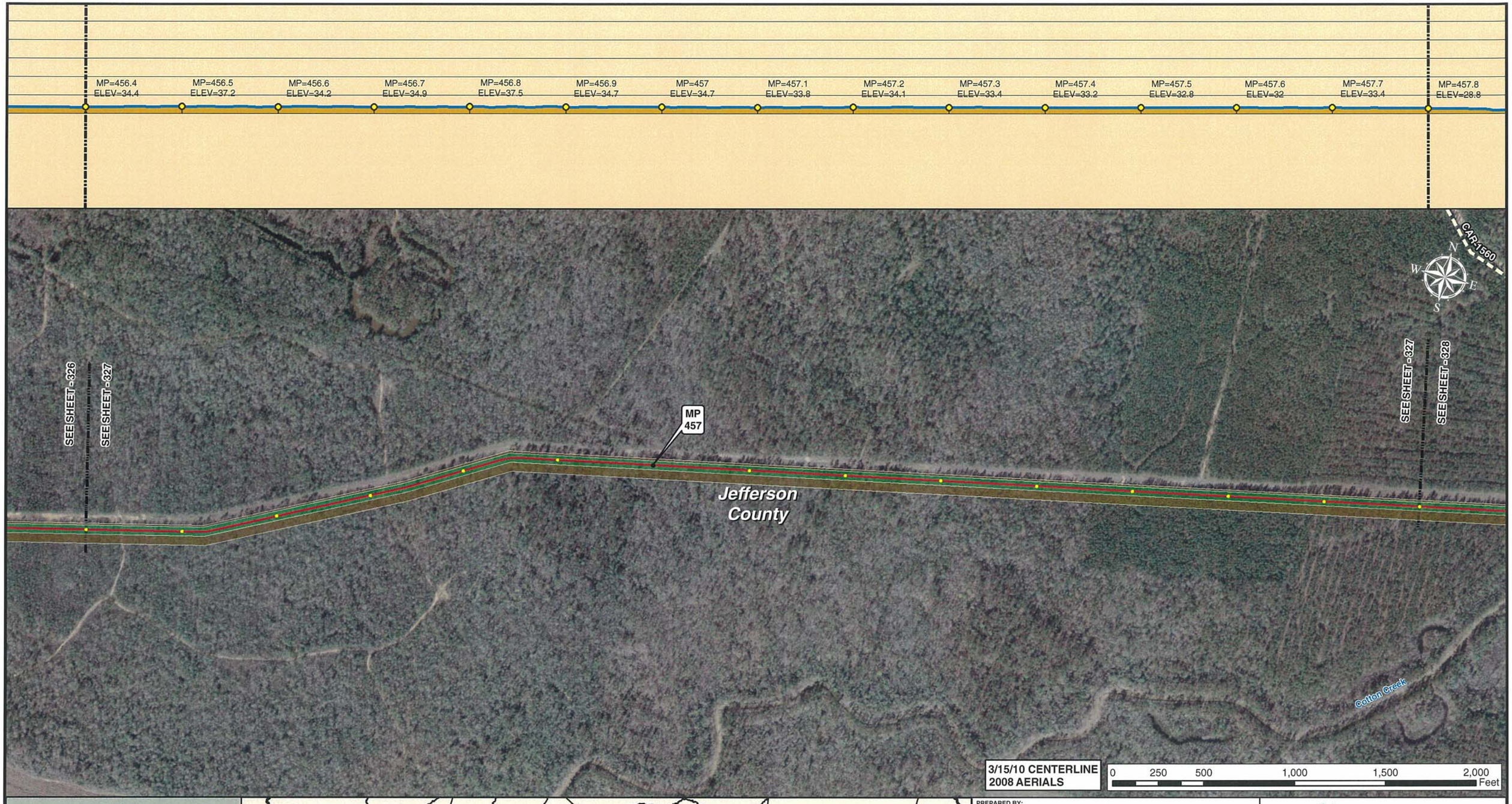
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-326 -A	326	2



Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
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JEFFERSON COUNTY, TEXAS

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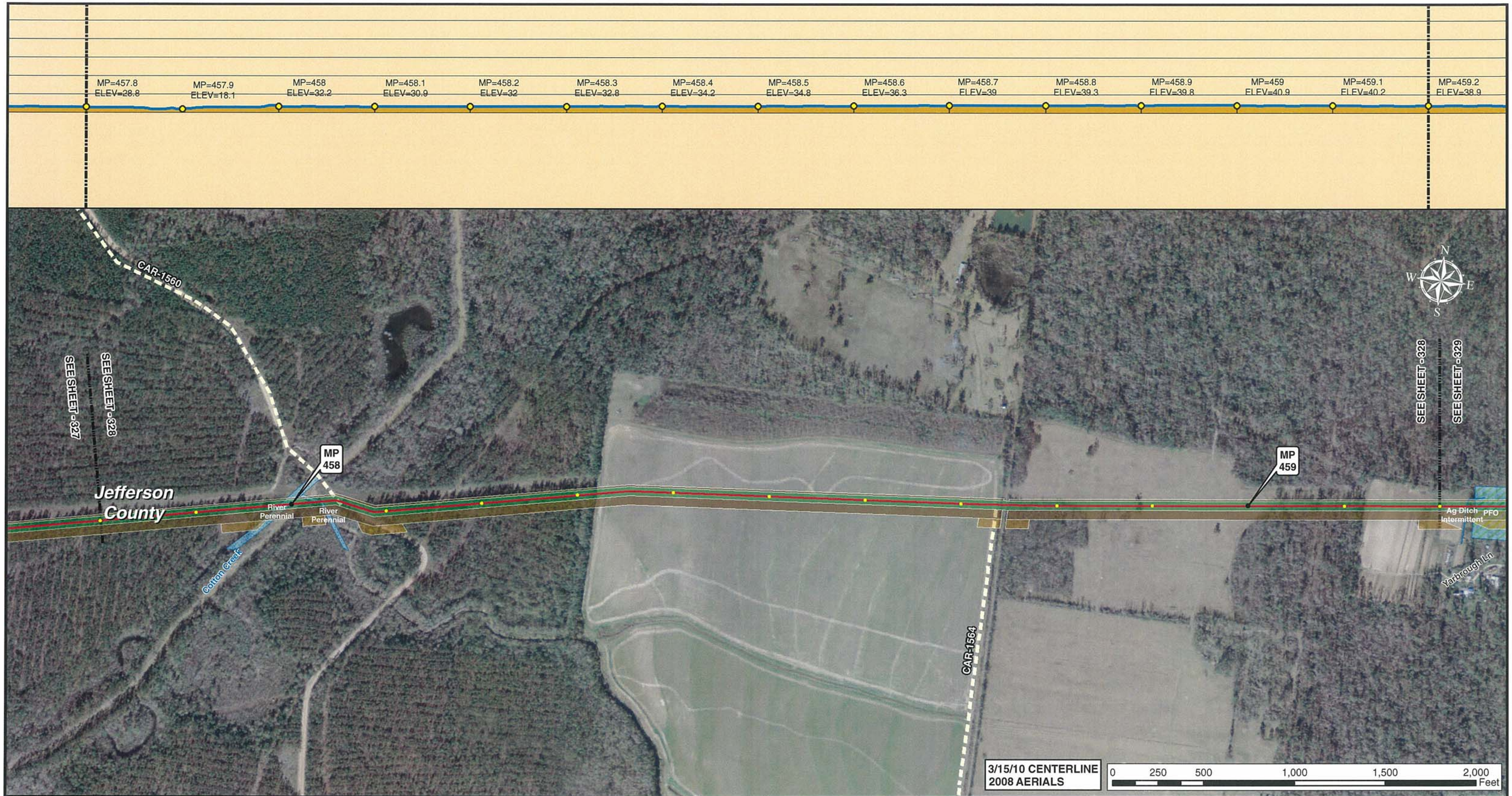
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-327 -A	327	2



Legend

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- VALVE
- KEYSTONE XL PROJECT
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- TEMPORARY EASEMENT
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JEFFERSON COUNTY, TEXAS

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DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-328 -A	328	2

Legend

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- KEYSTONE XL PROJECT
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- TEMPORARY EASEMENT
- EXTRA WORKSPACE
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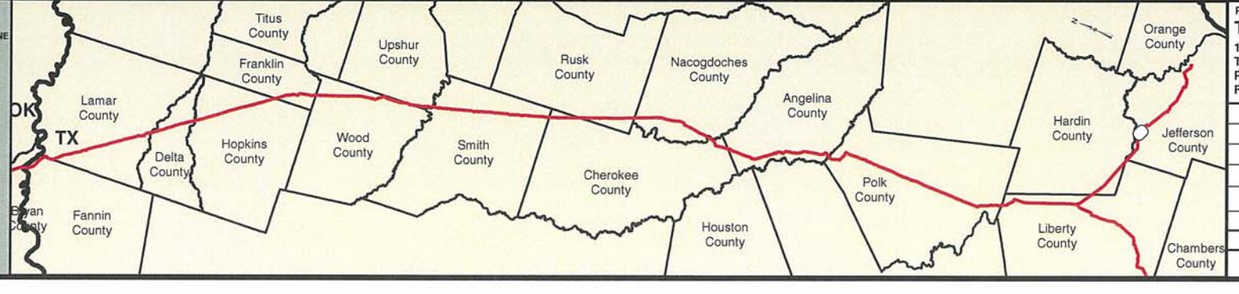
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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JEFFERSON COUNTY, TEXAS

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DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-329 -A	329	2

MP=460.6 ELEV=41.4 | MP=460.7 ELEV=40.5 | MP=460.8 ELEV=40.8 | MP=460.9 ELEV=42.1 | MP=461 ELEV=42.3 | MP=461.1 ELEV=40.6 | MP=461.2 ELEV=41.9 | MP=461.3 ELEV=41.6 | MP=461.4 ELEV=41.4 | MP=461.5 ELEV=40.8 | MP=461.6 ELEV=39.5 | MP=461.7 ELEV=34 | MP=461.8 ELEV=39.4 | MP=461.9 ELEV=38.8 | MP=462 ELEV=36.3

SEE SHEET - 329
SEE SHEET - 330
SEE SHEET - 330
SEE SHEET - 331
West Rd
Sour Lake Rd
der Rd
Aggie Dr
Perennial UNKNOWN
Jefferson County
MP 461
MP 462
CAR-1572
CAR-1574
Westbury Rd
UNKNOWN UNKNOWN
Ag Dit Perennial
PEM
Stream Ephemeral
Stream Perennial
UNKNOWN Ephemeral
PEM
N
E
S
W

3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
- ACCESS ROAD
- TRANSMISSION LINE
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- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
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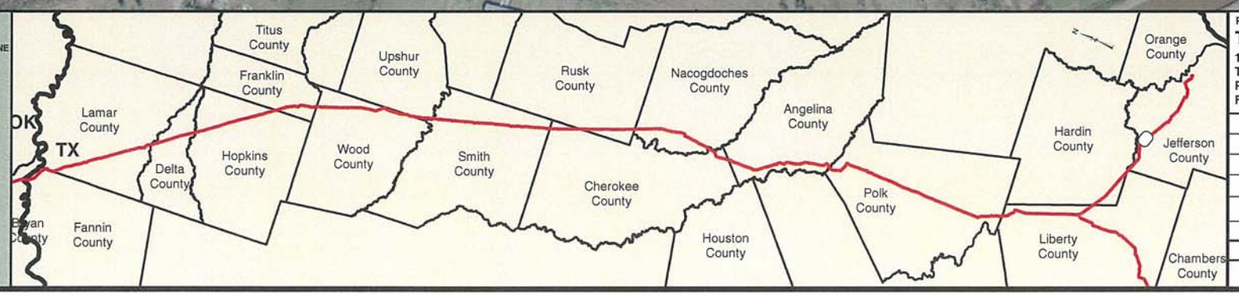

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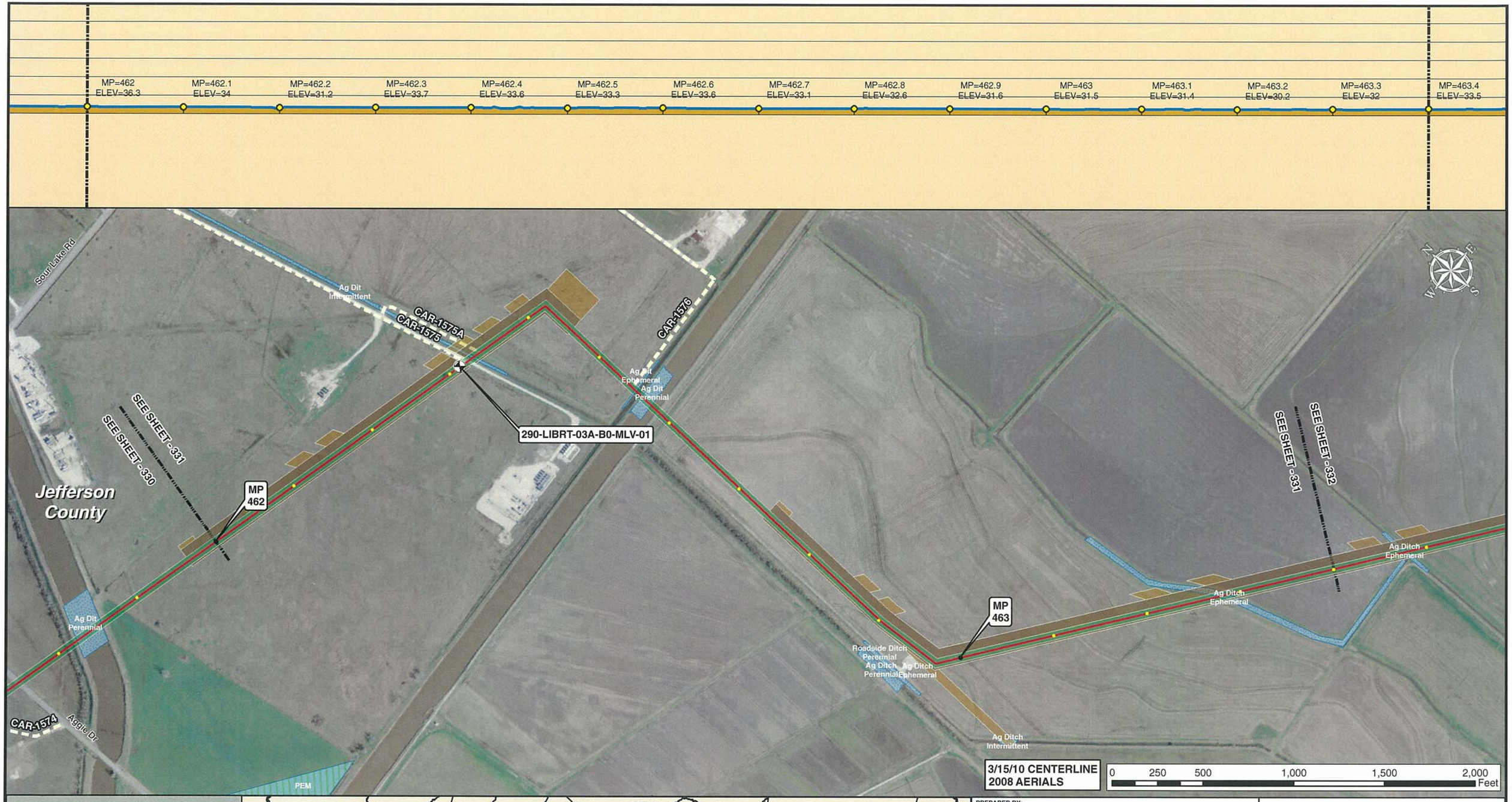
TransCanada
In business to deliver

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

JEFFERSON COUNTY, TEXAS

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-48-ML-2002-P-330 -A	330	2

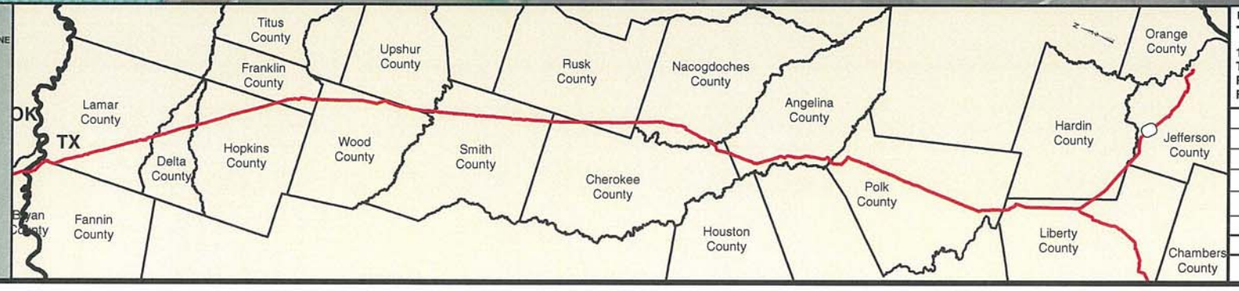


3/15/10 CENTERLINE
2008 AERIALS

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

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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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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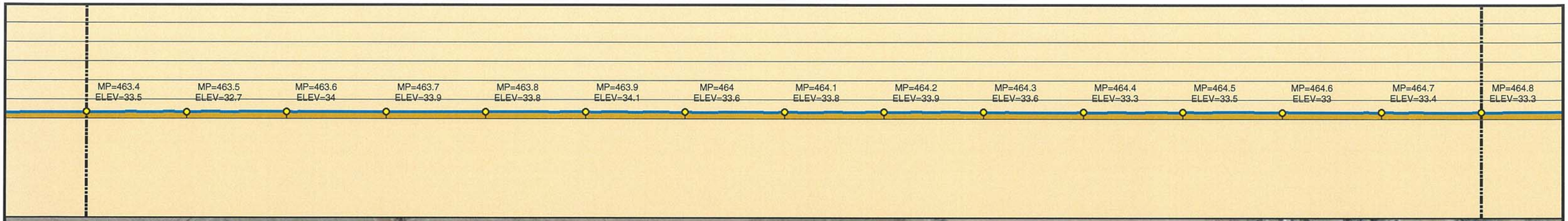
In business to deliver

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

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-48-ML-2002-P-331 -A	331	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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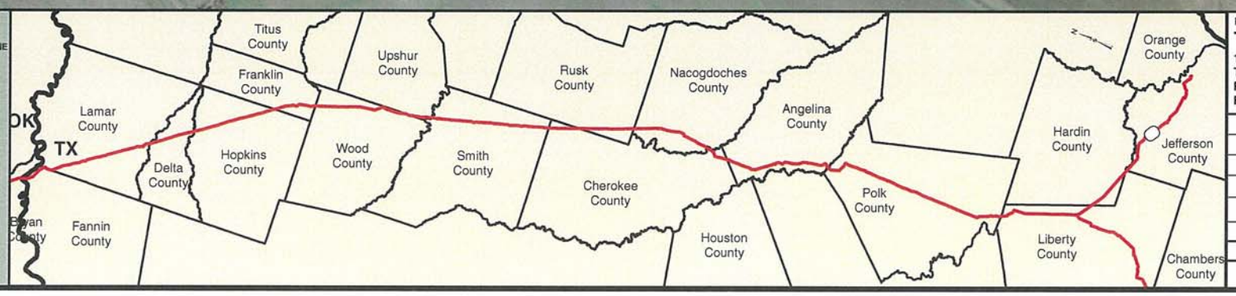
- PIPE YARD
- CONTRACTOR YARD
- PIPE YARD/CONTRACTOR YARD
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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In business to deliver

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

JEFFERSON COUNTY, TEXAS

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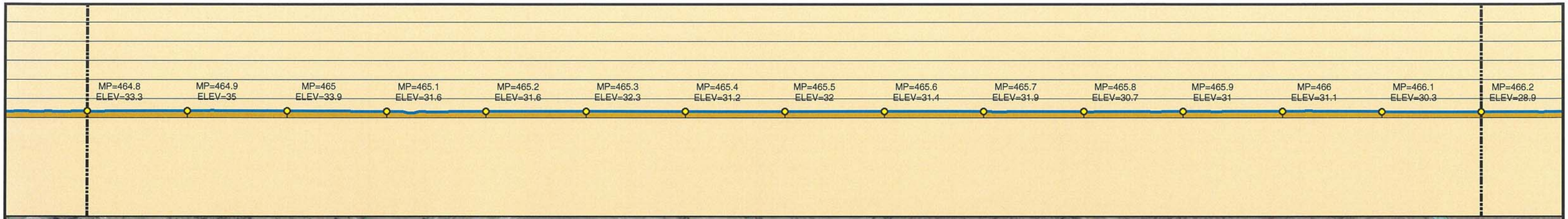
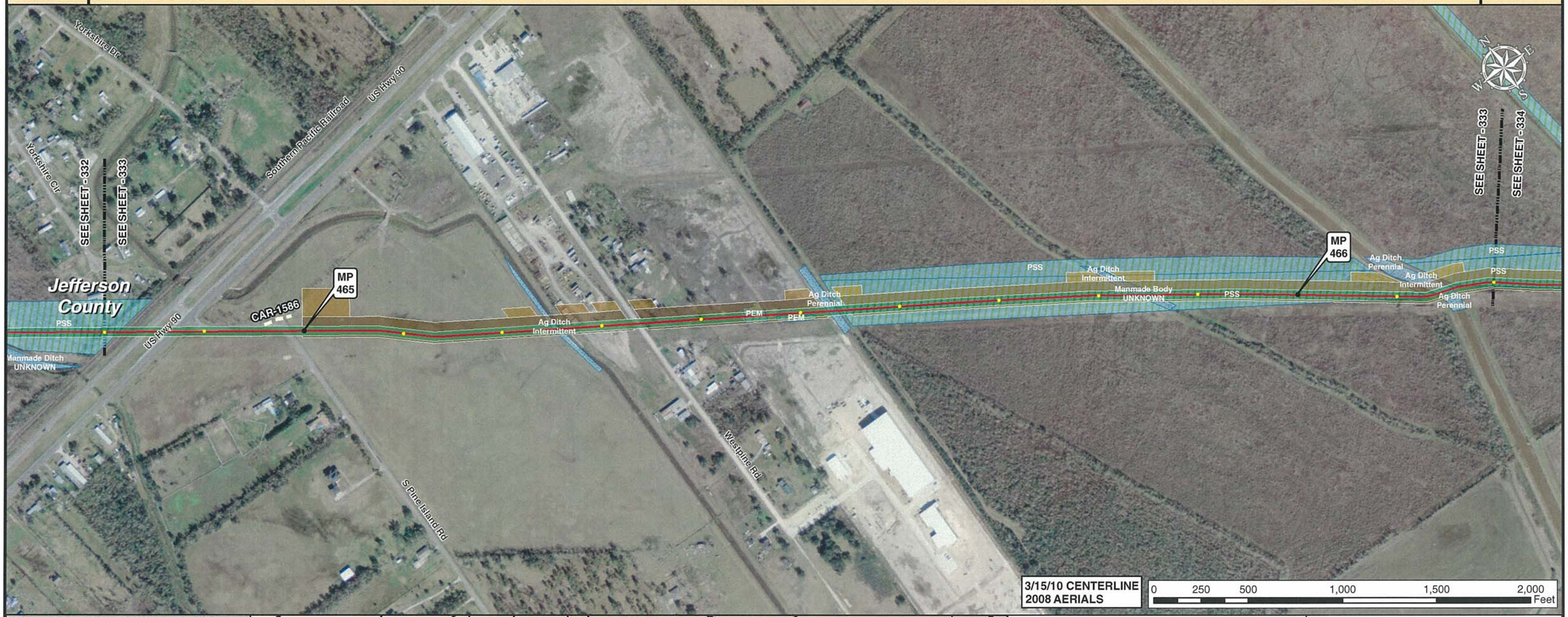
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-332 -A	332	2





Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXTRA WORKSPACE
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- CONTRACTOR YARD
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In business to deliver

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ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
JEFFERSON COUNTY, TEXAS

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-48-ML-2002-P-333 -A	333	2

MP=466.2 ELEV=28.9
MP=466.3 ELEV=29.7
MP=466.4 ELEV=28.1
MP=466.5 ELEV=27.7
MP=466.6 ELEV=27
MP=466.7 ELEV=27.2
MP=466.8 ELEV=26.9
MP=466.9 ELEV=25.8
MP=467 ELEV=24.9
MP=467.1 ELEV=23.8
MP=467.2 ELEV=24.5
MP=467.3 ELEV=24.5
MP=467.4 ELEV=23.7
MP=467.5 ELEV=23.3
MP=467.6 ELEV=22.1

3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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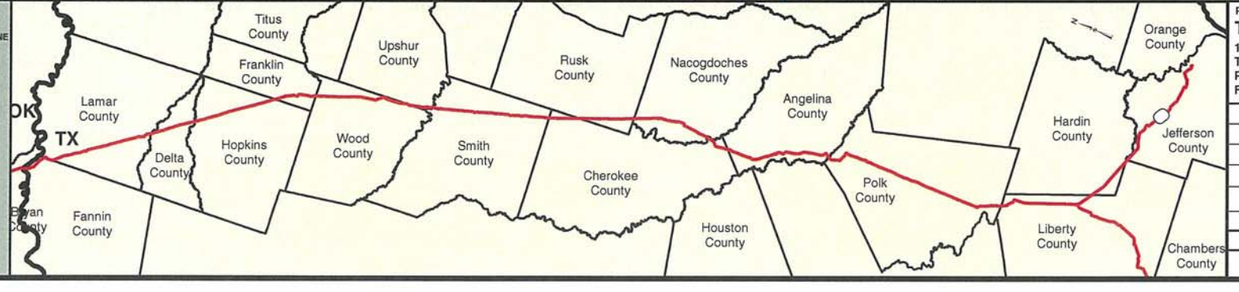
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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JEFFERSON COUNTY, TEXAS

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

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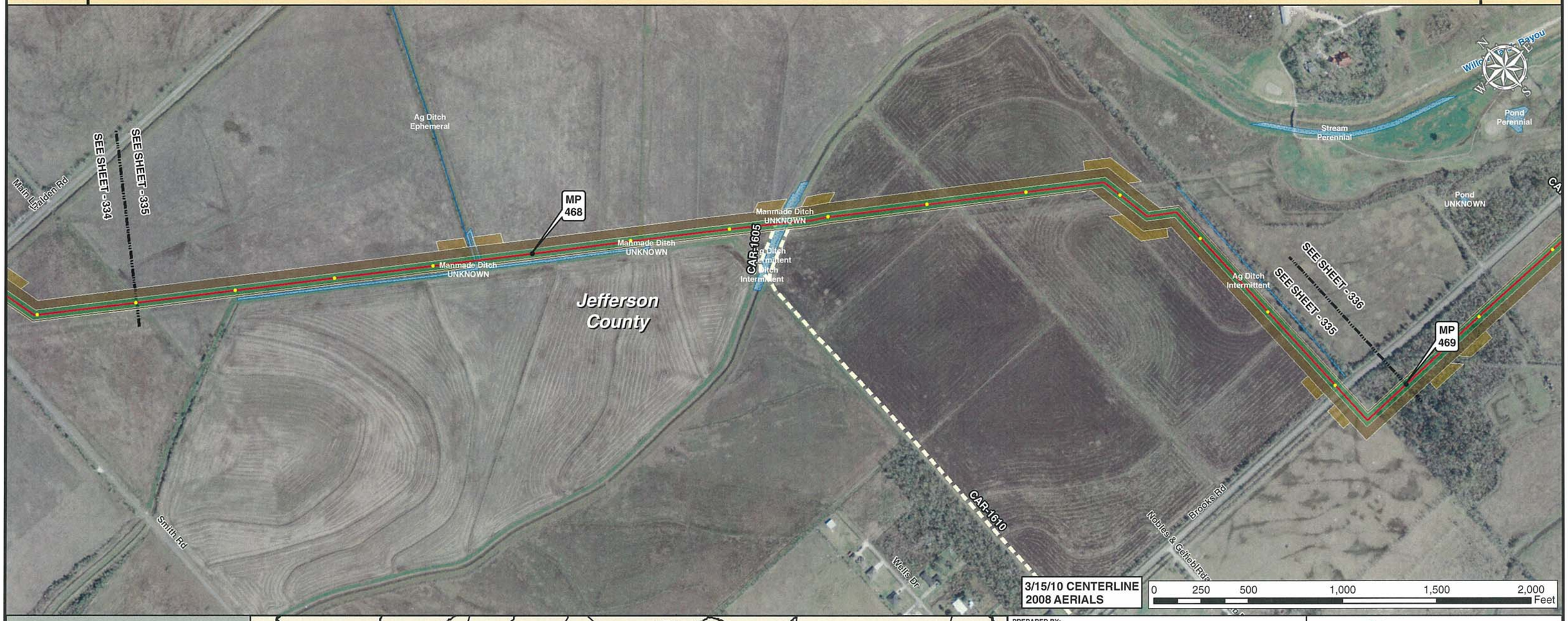
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-334 -A	334	2

MP=467.6 ELEV=22.1	MP=467.7 ELEV=22.1	MP=467.8 ELEV=21.8	MP=467.9 ELEV=21.1	MP=468 ELEV=20.4	MP=468.1 ELEV=19.6	MP=468.2 ELEV=19.8	MP=468.3 ELEV=19.9	MP=468.4 ELEV=17.7	MP=468.5 ELEV=18.9	MP=468.6 ELEV=17.7	MP=468.7 ELEV=18.8	MP=468.8 ELEV=21.2	MP=468.9 ELEV=22	MP=469 ELEV=19.8



Legend

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

JEFFERSON COUNTY, TEXAS

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-48-ML-2002-P-335 -A	335	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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- PUMP STATION
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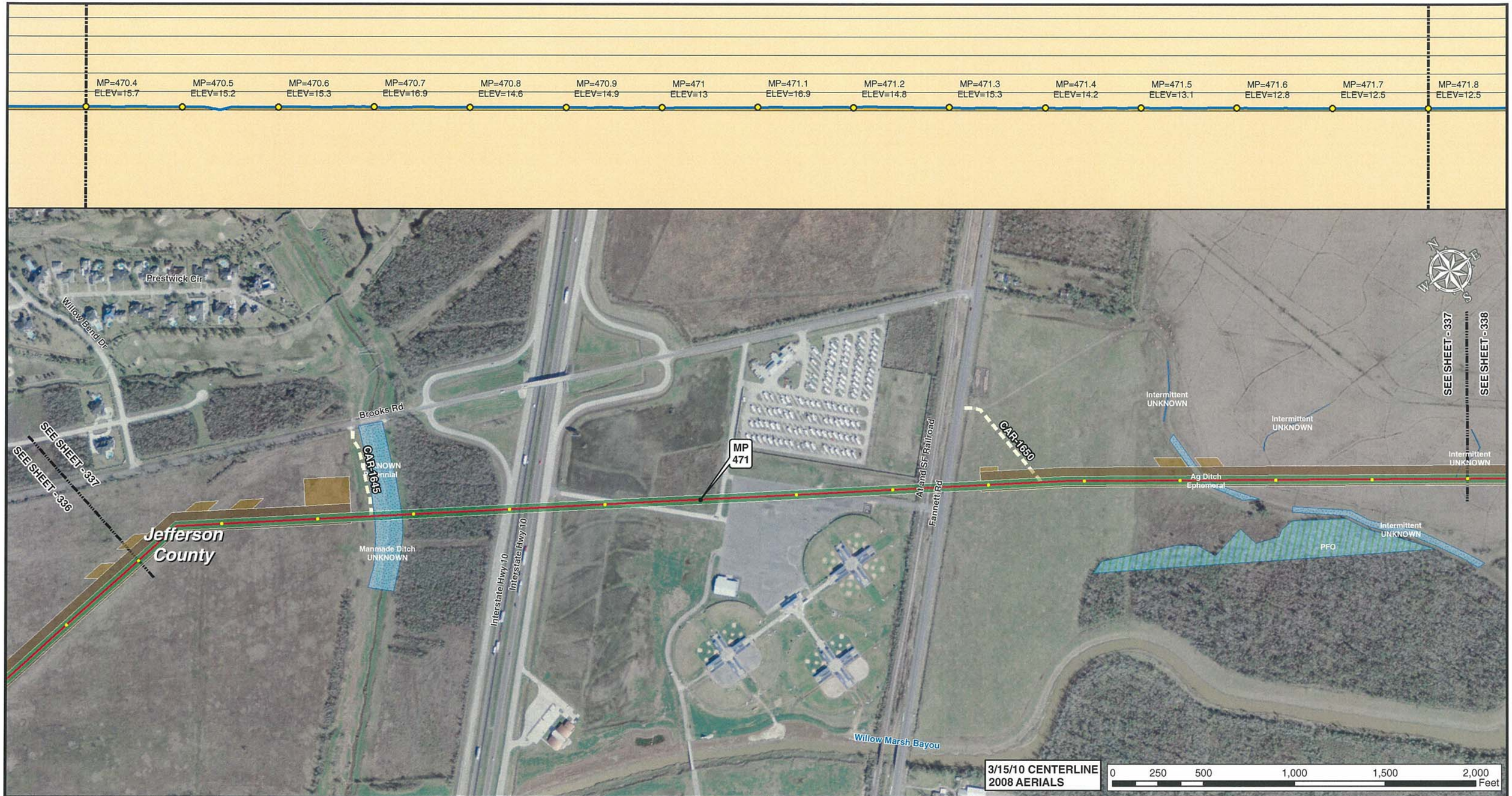
JEFFERSON COUNTY, TEXAS

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-48-ML-2002-P-336 -A	336	2



Legend

- MILE POST
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- VALVE
- KEYSTONE XL PROJECT
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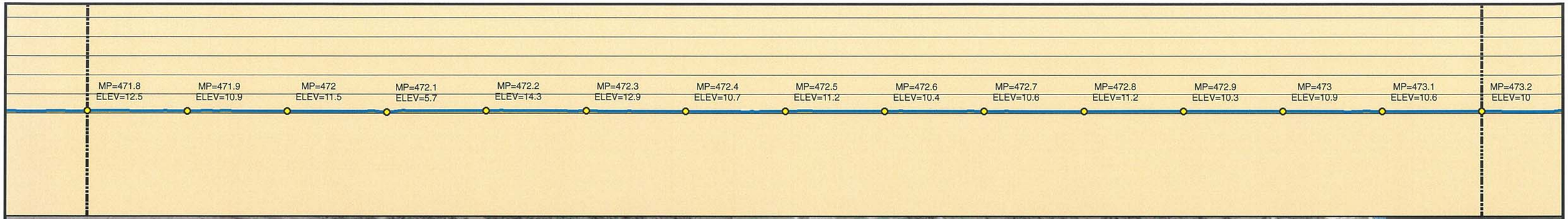
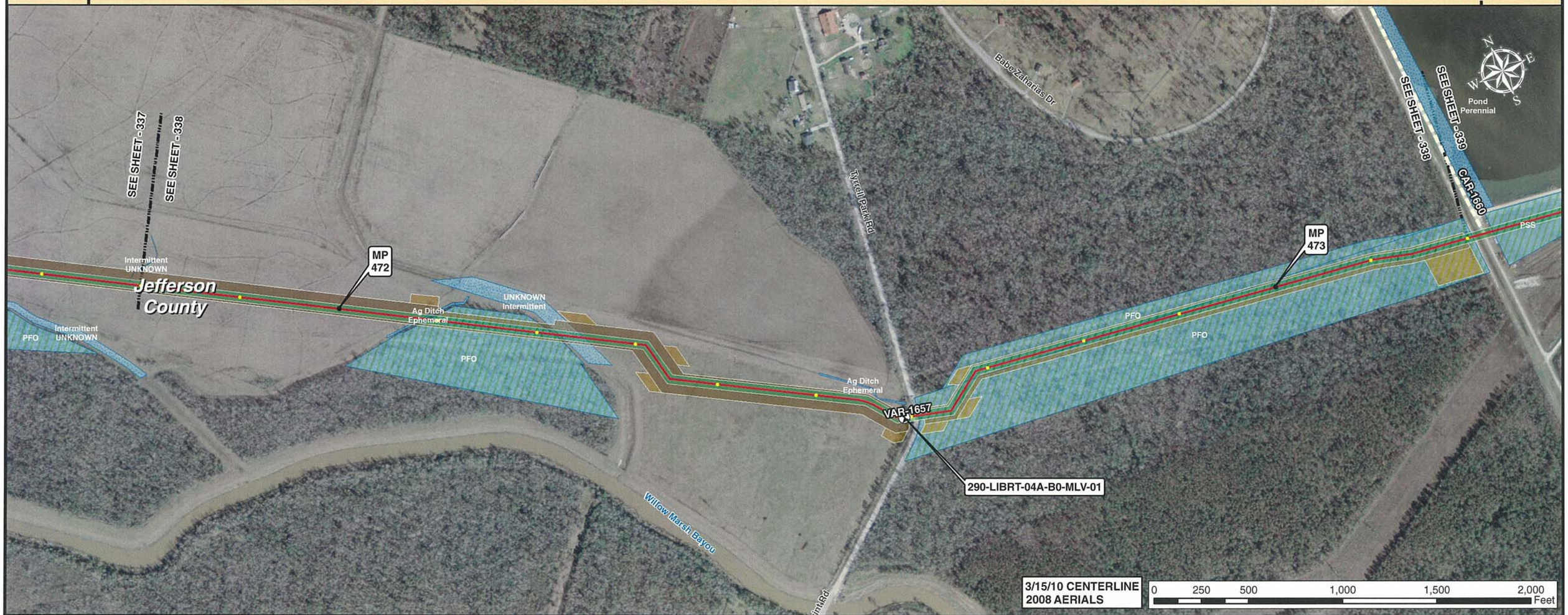
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS
JEFFERSON COUNTY, TEXAS

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-48-ML-2002-P-337 -A	337	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
- KEYSTONE XL PROJECT
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JEFFERSON COUNTY, TEXAS

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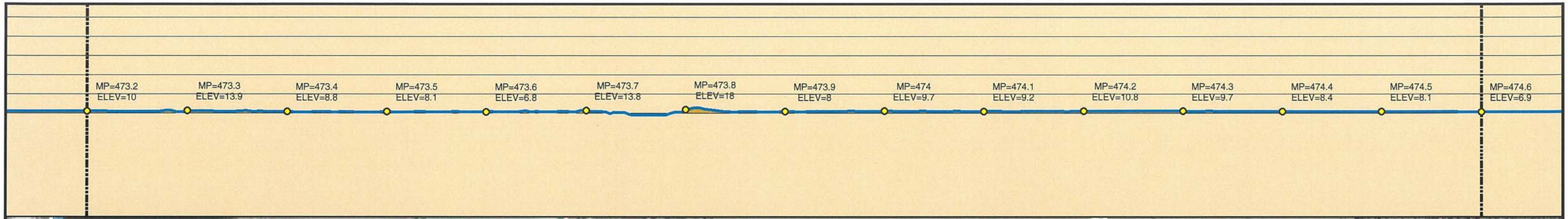
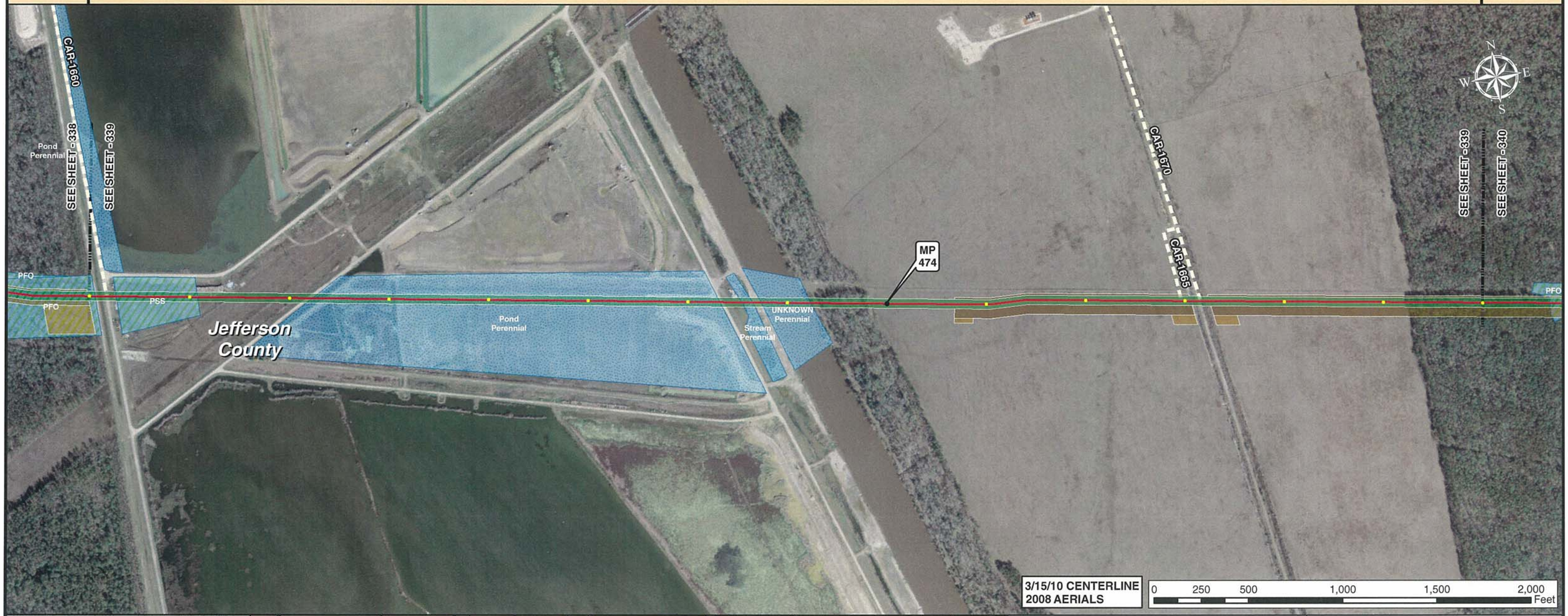
SCALE: 1:6,000; 1" = 500'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-338 -A	338	2





3/15/10 CENTERLINE
2008 AERIALS

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

Legend

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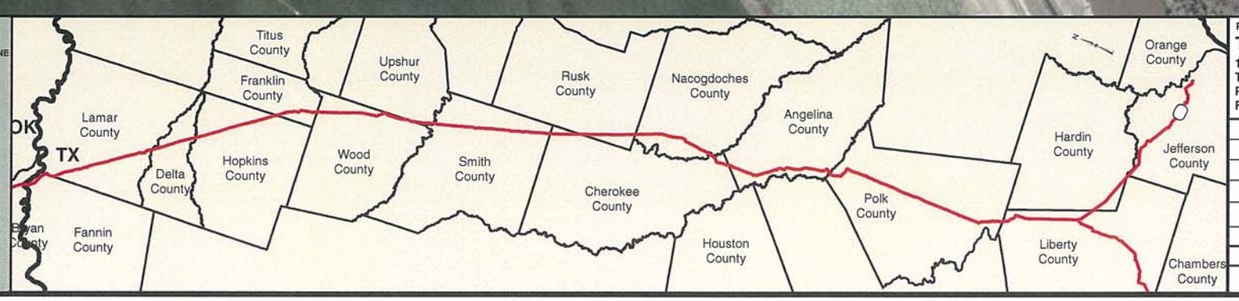

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KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

JEFFERSON COUNTY, TEXAS

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

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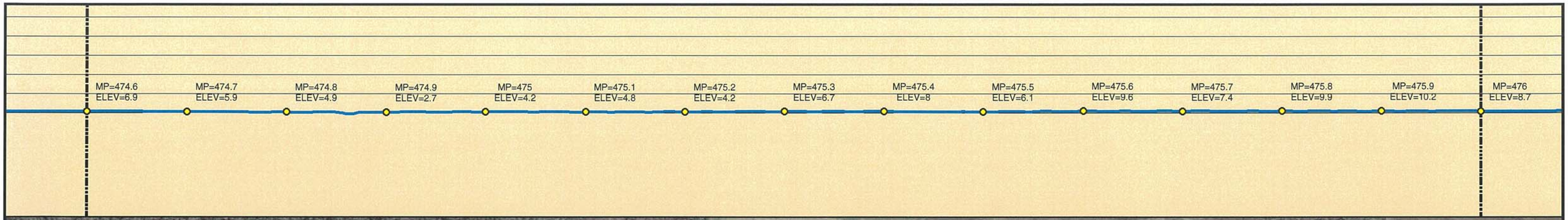
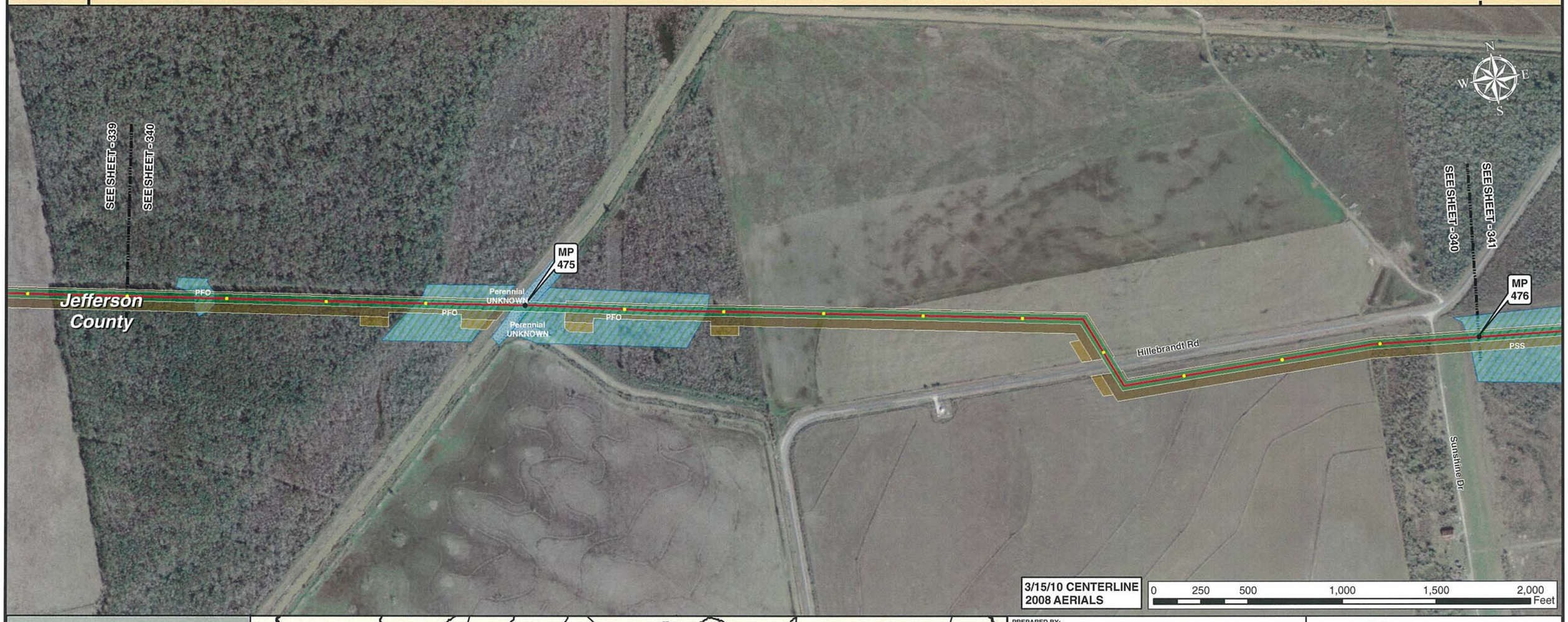
GS	SS	RG	50388X	XL-48-ML-2002-P-339 -A	339	2





Legend

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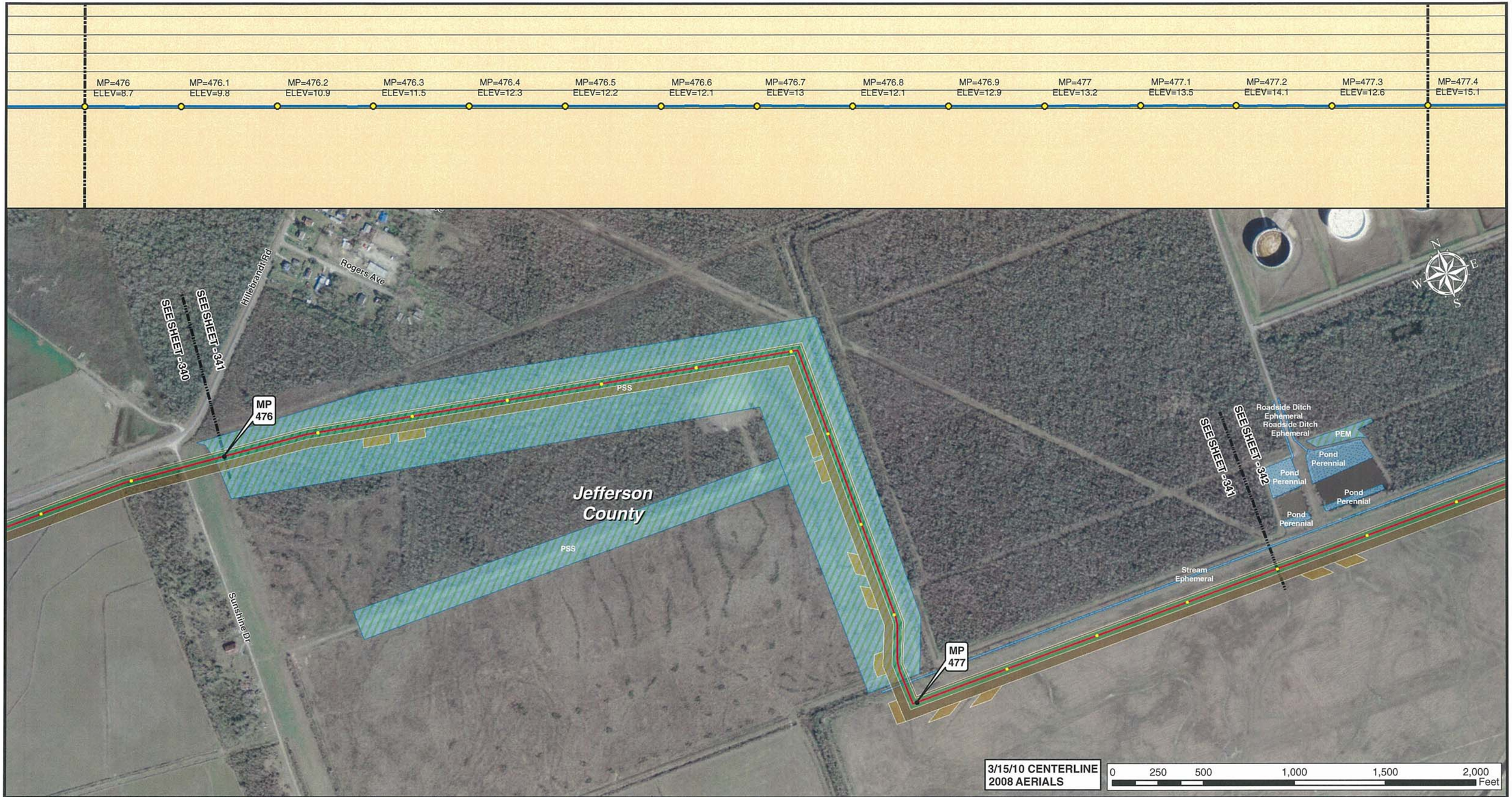
GS	SS	RG	50388X	XL-48-ML-2002-P-340 -A	340	2



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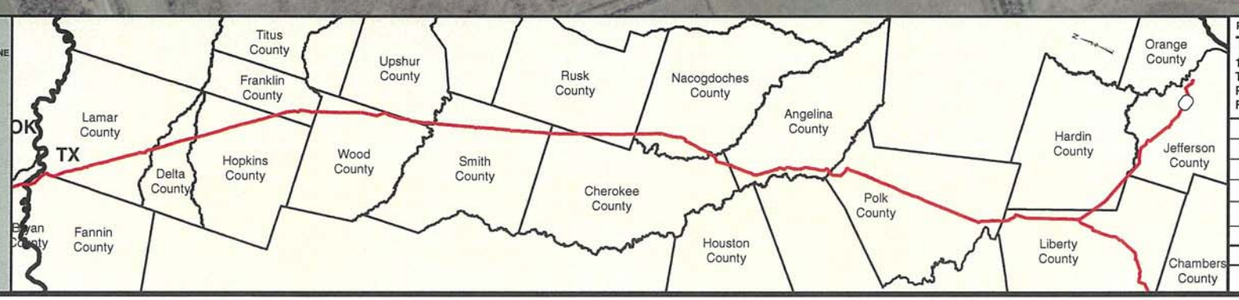

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0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

TransCanada
In business to deliver

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

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-48-ML-2002-P-341 -A	341	2

MP=477.4 ELEV=15.1 | MP=477.5 ELEV=15.8 | MP=477.6 ELEV=16.2 | MP=477.7 ELEV=17 | MP=477.8 ELEV=17.4 | MP=477.9 ELEV=17.7 | MP=478 ELEV=17 | MP=478.1 ELEV=18.8 | MP=478.2 ELEV=17 | MP=478.3 ELEV=17.2 | MP=478.4 ELEV=16.2 | MP=478.5 ELEV=17.3 | MP=478.6 ELEV=17.8 | MP=478.7 ELEV=17.1 | MP=478.8 ELEV=17.7

3/15/10 CENTERLINE
2008 AERIALS

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

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

TransCanada
In business to deliver

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

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

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DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
GS	SS	RG	50388X	XL-48-ML-2002-P-342 -A	342	2

3/15/10 CENTERLINE
2008 AERIALS

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

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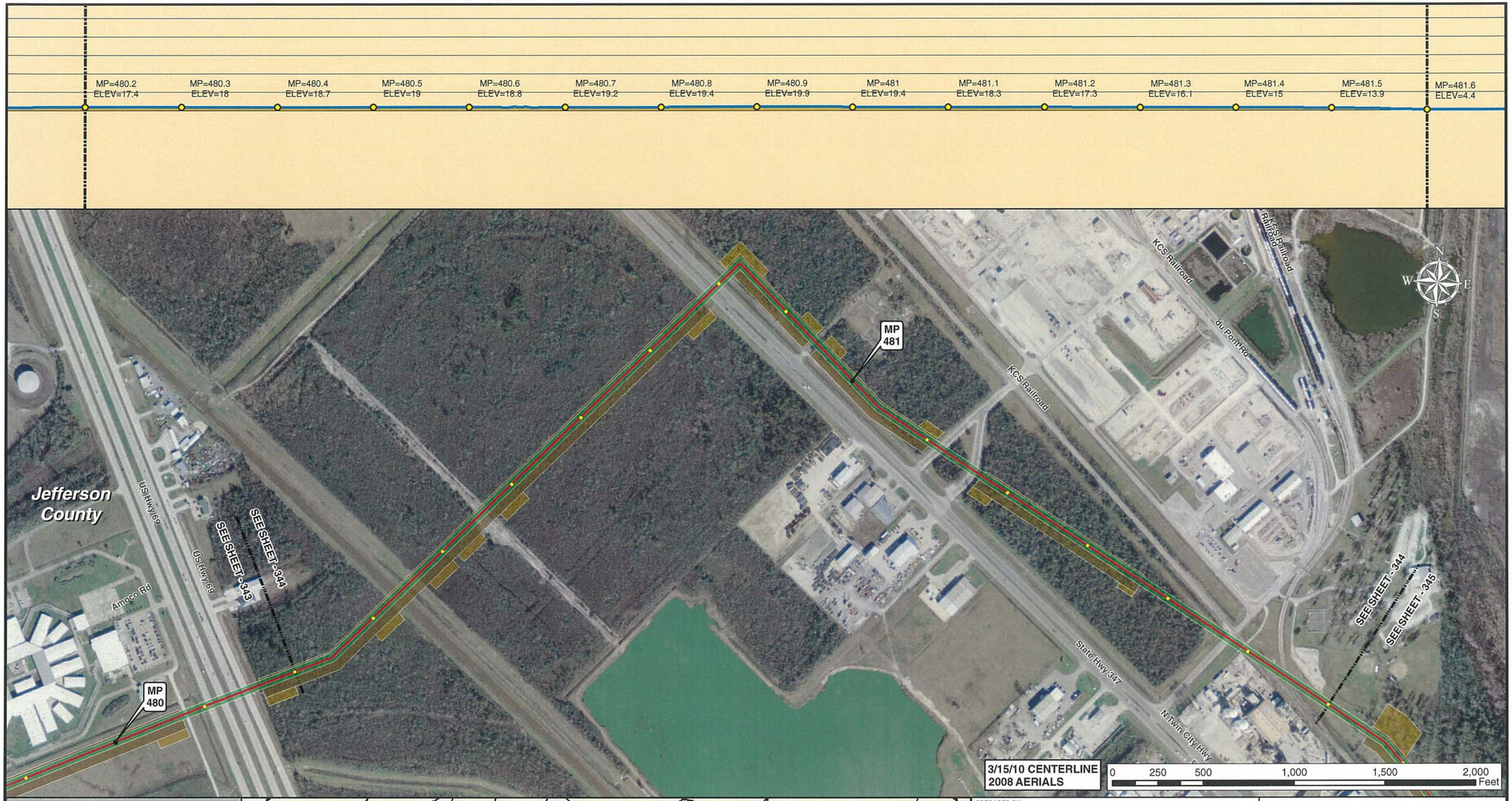
KEYSTONE XL PROJECT
ROUTE SHEETS
CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

JEFFERSON COUNTY, TEXAS

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-48-ML-2002-P-343 -A	343	2



Legend

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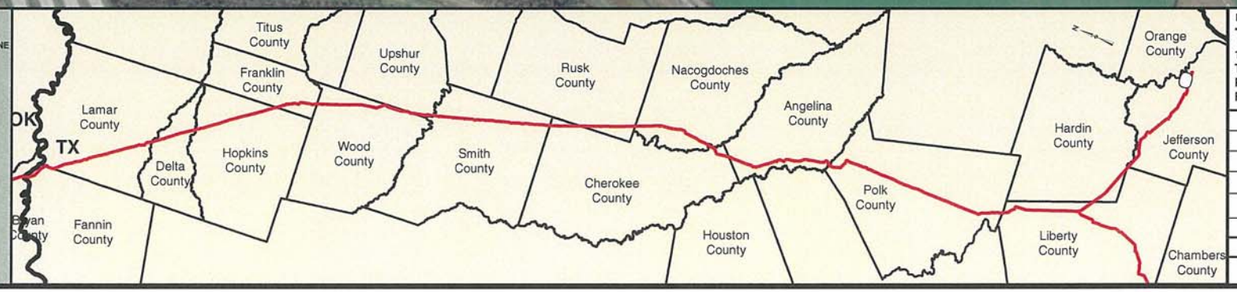
- PIPE YARD/RAILROAD SIDING
- RAILROAD SIDING
- WATER BODY
- WETLAND
- COUNTY LINE
- SECTION LINE



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CUSHING, OKLAHOMA TO NEDERLAND, TEXAS

JEFFERSON COUNTY, TEXAS

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-48-ML-2002-P-344 -A	344	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
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- RAILROAD SIDING
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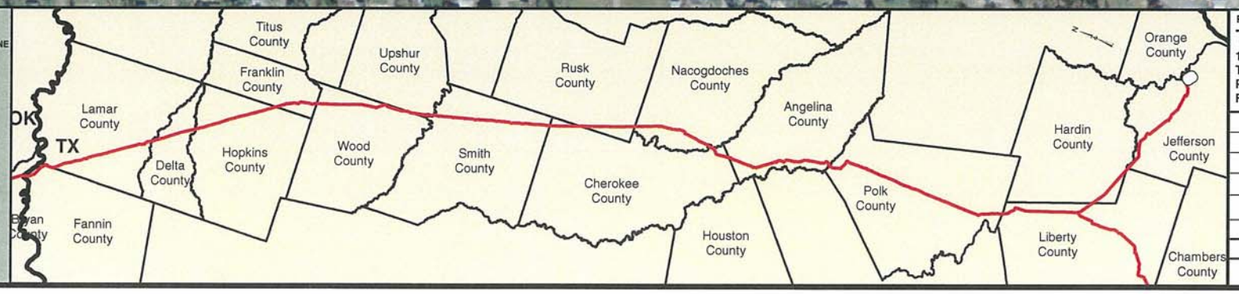
- WETLAND
- COUNTY LINE
- SECTION LINE



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

JEFFERSON COUNTY, TEXAS

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

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GS	SS	RG	50388X	XL-48-ML-2002-P-345 -A	345	2

MP=482.6
ELEV=5.9

MP=482.7
ELEV=0

PFO

Ag Ditch
Perennial

Spring St

Jefferson
County

Ag Ditch
Ephemeral

KCS Railroad

KCS Railroad

Magnolia Ave

Magnolia Ave/wy 366

ntermittent
UNKNOWN

CAR-1700

N Twin City Hwy

State Hwy 347

urlock Rd

4th S

N
W
E
S

3/15/10 CENTERLINE
2008 AERIALS

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

Legend

- MILE POST
- 0.1 MILE TICK MARK
- VALVE
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GS	SS	RG	50388X	XL-48-ML-2002-P-346 -A	346	2