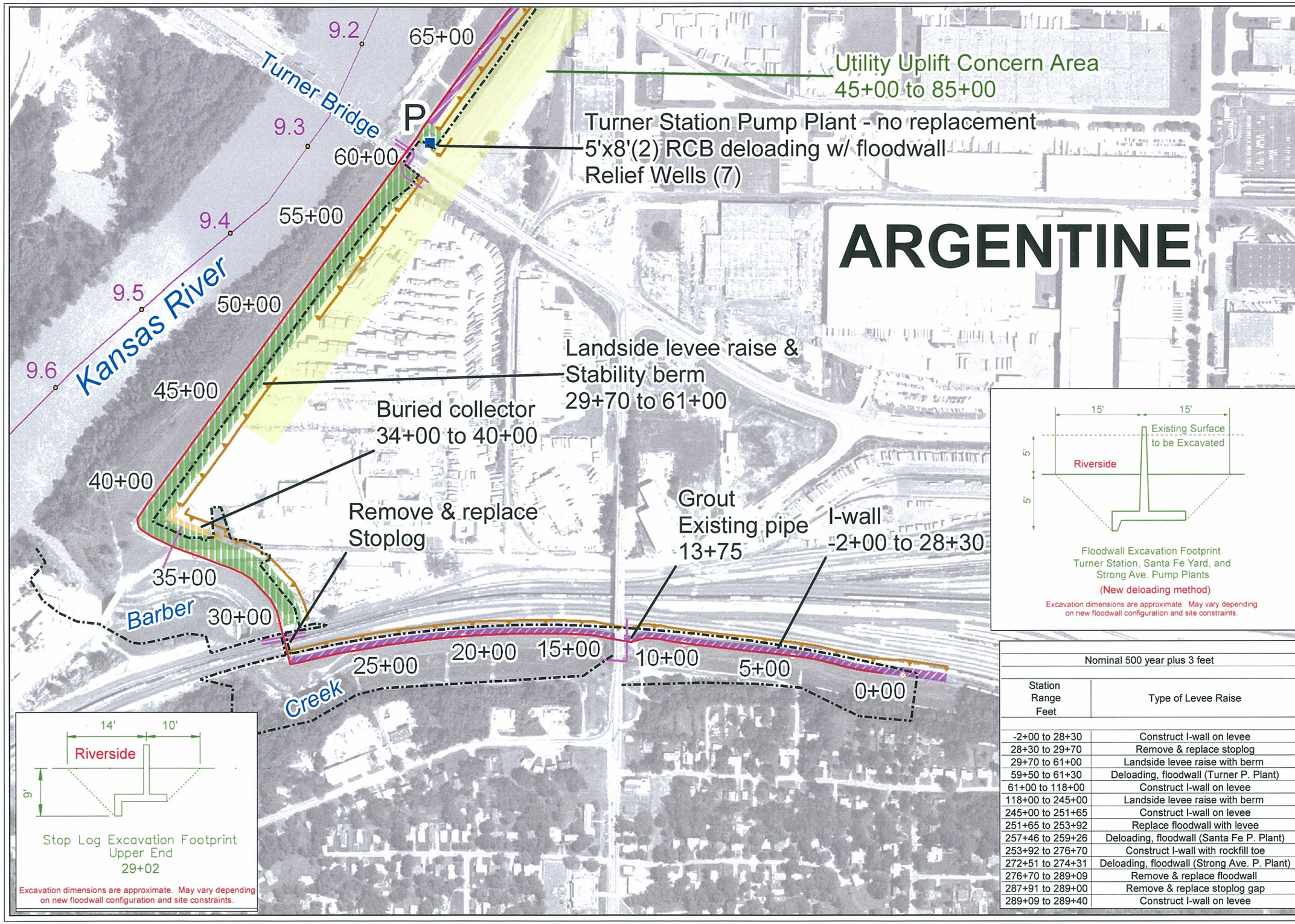
U.S. Army Corps of Engineers, Kansas City District

Interim Feasibility Report

PLATES

Kansas Citys, Missouri and Kansas
Flood Damage Reduction Study
Interim Feasibility Report



Nominal 500 year plus 3 feet	
Station Range Feet	Type of Levee Raise
-2+00 to 28+30	Construct I-wall on levee
28+30 to 29+70	Remove & replace stoplog
29+70 to 61+00	Landside levee raise with berm
59+50 to 61+30	Deloading, floodwall (Turner P. Plant)
61+00 to 118+00	Construct I-wall on levee
118+00 to 245+00	Landside levee raise with berm
245+00 to 251+65	Construct I-wall on levee
251+65 to 253+92	Replace floodwall with levee
257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Construct I-wall with rockfill toe
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 289+09	Remove & replace floodwall
287+91 to 289+00	Remove & replace stoplog gap
289+09 to 289+40	Construct I-wall on levee

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Recommended Plan Footprint Mapping

Nom500yr + 3 ft.

Argentine Unit 0+00 to 65+00

NOTES:

1. Utility easements are not shown.
2. Levee raise shown stopping at levee centerline for clarity. Raise actually involves entire levee crown width.

Key

- Existing Right of Way
- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Floodwall raise
- Buried collector
- Levee raise
- Soils replacement, Filter blanket
- I-walls

N

Photography Date: 2001

0 100 200 400 Feet

Projection: UTM Zone 15, Feet
Datum: NAD 83

Created by: U.S. Army Corps of Engineers
Kansas City District, GDS Team

Users should refer corrections, additions, and comments for improving this product to:

GDS Coordinator,
United States Army Corps of Engineers, Kansas City District,
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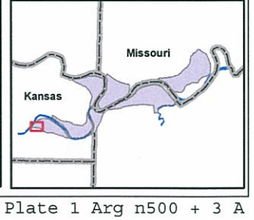
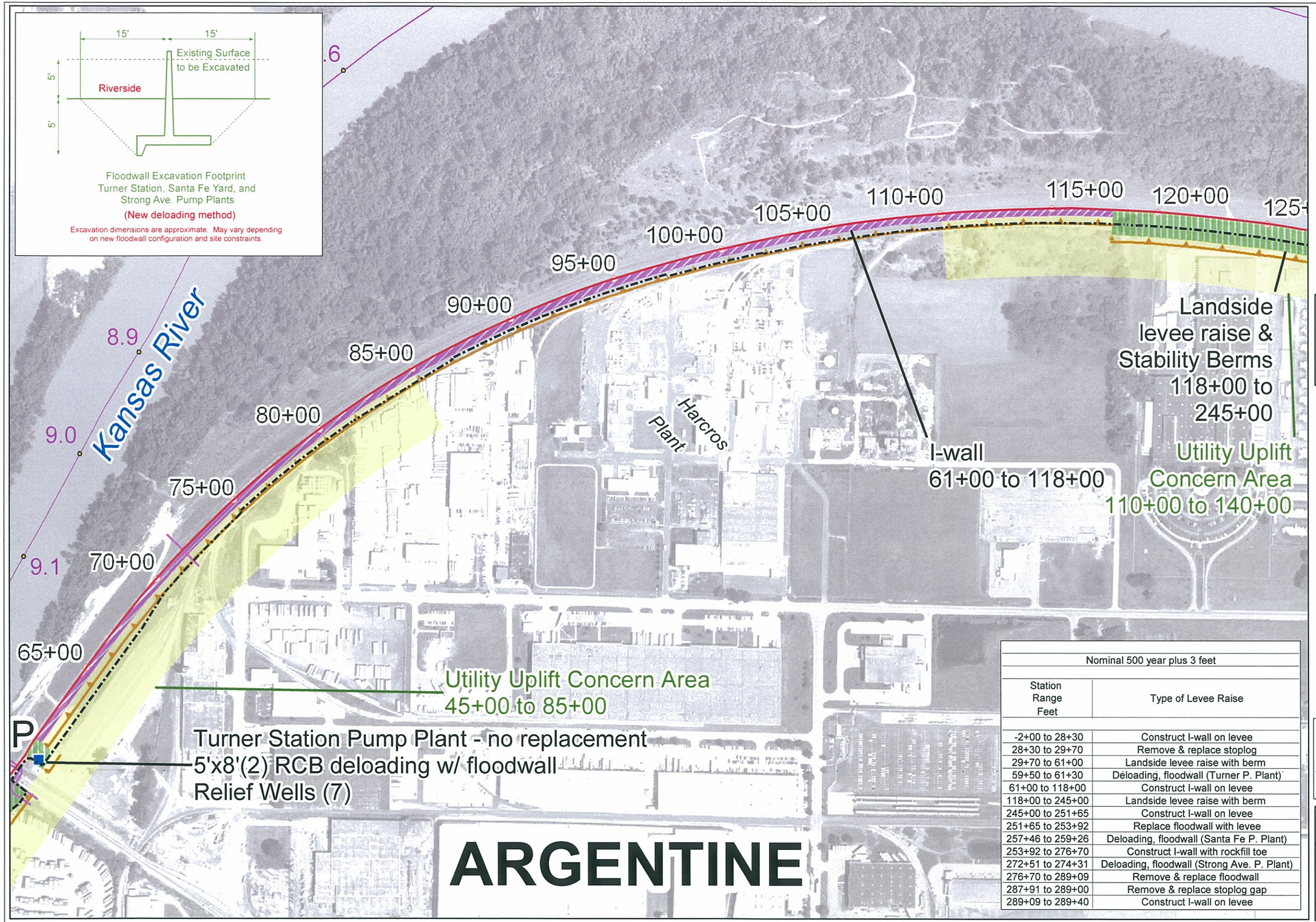


Plate 1 Arg n500 + 3 A



Nominal 500 year plus 3 feet	
Station Range Feet	Type of Levee Raise
-2+00 to 28+30	Construct I-wall on levee
28+30 to 29+70	Remove & replace stoplog
29+70 to 61+00	Landside levee raise with berm
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61+00 to 118+00	Construct I-wall on levee
118+00 to 245+00	Landside levee raise with berm
245+00 to 251+65	Construct I-wall on levee
251+65 to 253+92	Replace floodwall with levee
257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Construct I-wall with rockfill toe
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 289+09	Remove & replace floodwall
287+91 to 289+00	Remove & replace stoplog gap
289+09 to 289+40	Construct I-wall on levee

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Recommended Plan Footprint Mapping

Nom500yr + 3 ft.

Argentine Unit 60+00 to 125+00

NOTES:

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Key

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- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Floodwall raise
- Buried collector
- Levee raise
- Soils replacement, Filter blanket
- I-walls

N

Photography Date: 2001

Feet
0 100 200 400

Projection: UTM Zone 15, Feet
Datum: NAD 83

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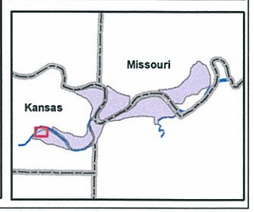

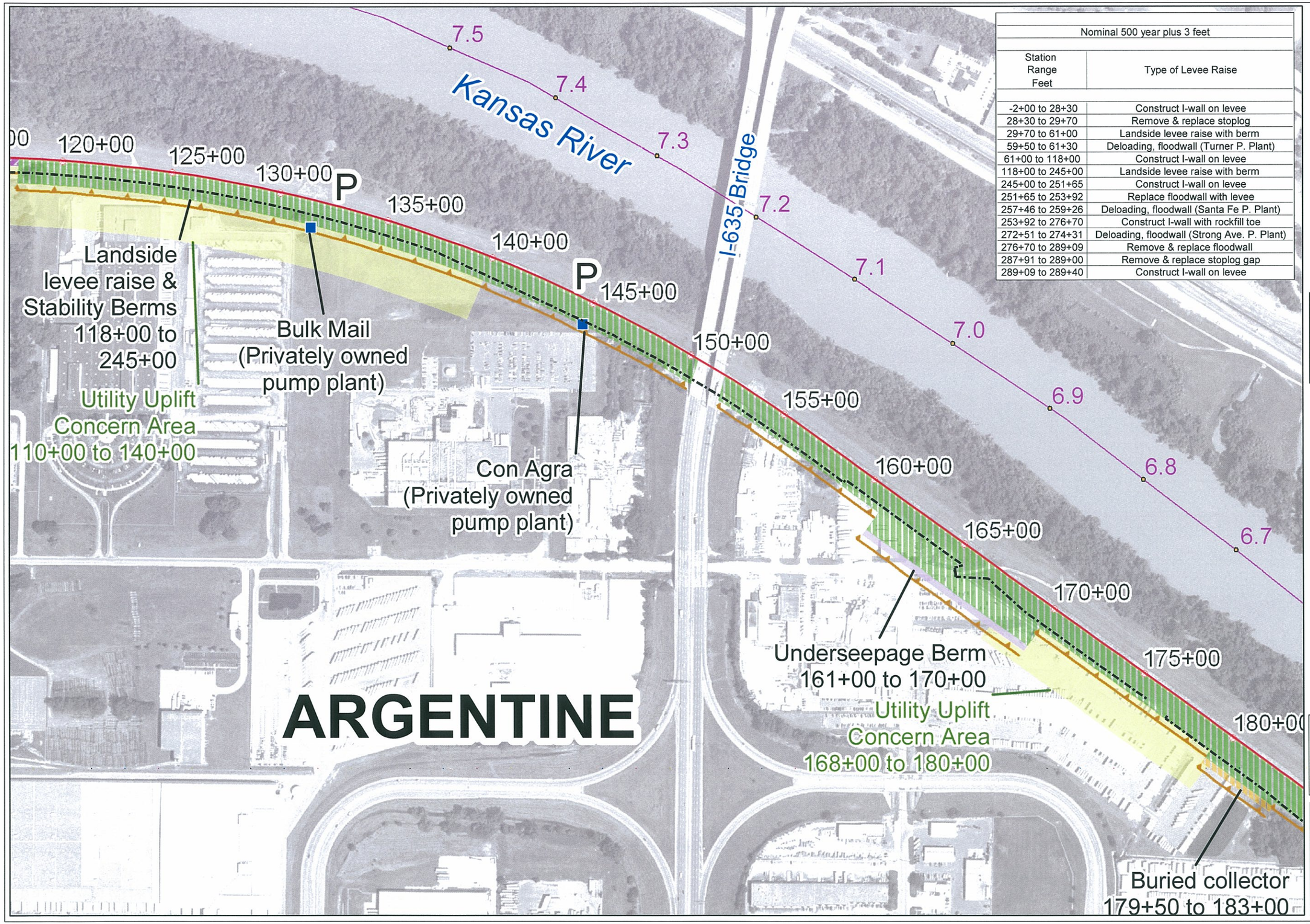

Nominal 500 year plus 3 feet	
Station Range Feet	Type of Levee Raise
-2+00 to 28+30	Construct I-wall on levee
28+30 to 29+70	Remove & replace stoplog
29+70 to 61+00	Landside levee raise with berm
59+50 to 61+30	Deloading, floodwall (Turner P. Plant)
61+00 to 118+00	Construct I-wall on levee
118+00 to 245+00	Landside levee raise with berm
245+00 to 251+65	Construct I-wall on levee
251+65 to 253+92	Replace floodwall with levee
257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Construct I-wall with rockfill toe
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 289+09	Remove & replace floodwall
287+91 to 289+00	Remove & replace stoplog gap
289+09 to 289+40	Construct I-wall on levee

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Recommended Plan Footprint Mapping

Nom500yr + 3 ft.

Argentine Unit 120+00 to 180+00

NOTES:

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Key

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- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Floodwall raise
- Buried collector
- Levee raise
- Soils replacement, Filter blanket
- I-walls

N

Photography Date: 2001

0 100 200 400 Feet

Projection: UTM Zone 15, Feet
Datum: NAD 83

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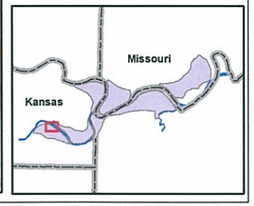
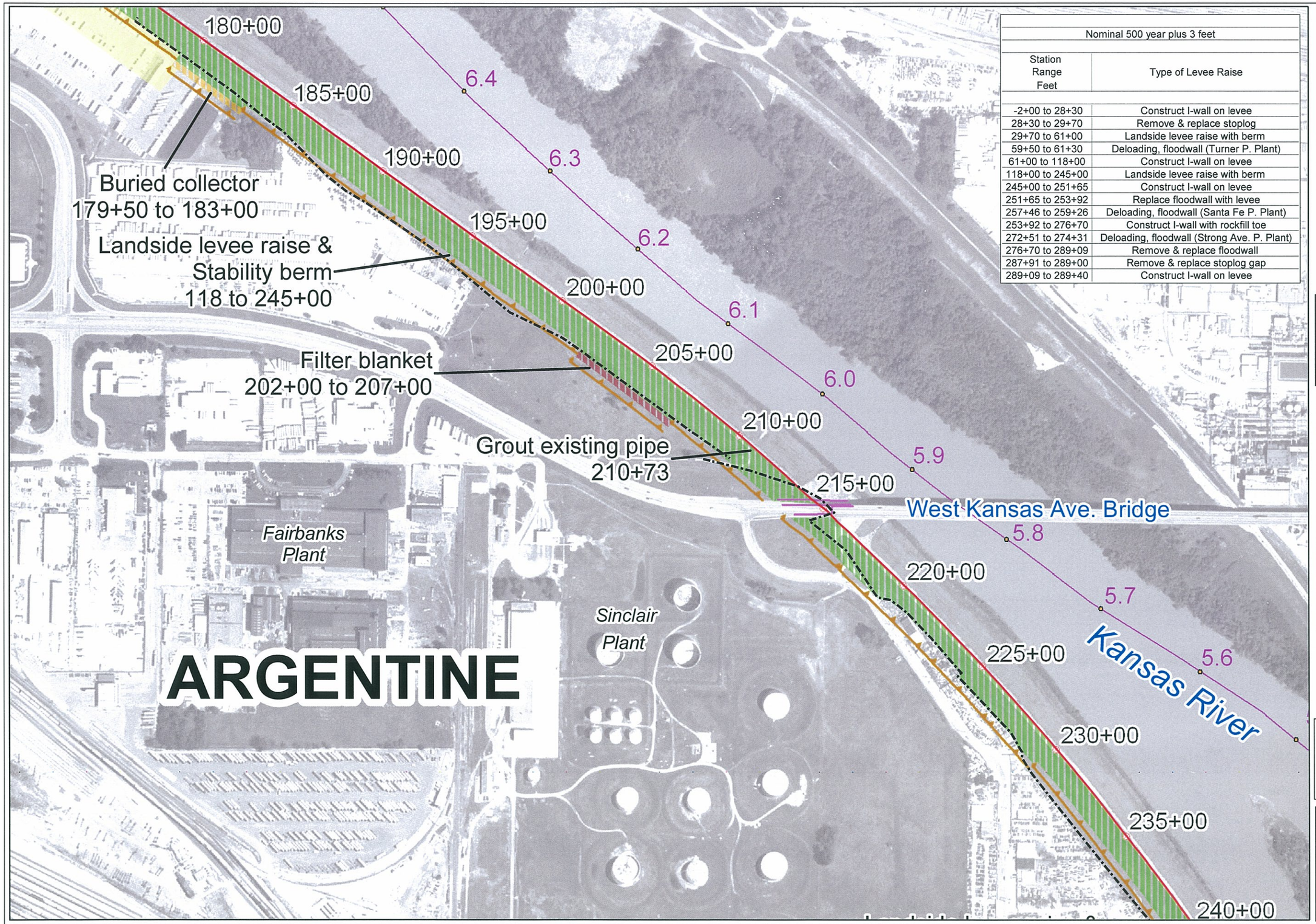


Plate 3 Arg n500 + 3 C



Nominal 500 year plus 3 feet	
Station Range Feet	Type of Levee Raise
-2+00 to 28+30	Construct I-wall on levee
28+30 to 29+70	Remove & replace stoplog
29+70 to 61+00	Landside levee raise with berm
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61+00 to 118+00	Construct I-wall on levee
118+00 to 245+00	Landside levee raise with berm
245+00 to 251+65	Construct I-wall on levee
251+65 to 253+92	Replace floodwall with levee
257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Construct I-wall with rockfill toe
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 289+09	Remove & replace floodwall
287+91 to 289+00	Remove & replace stoplog gap
289+09 to 289+40	Construct I-wall on levee

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Recommended Plan Footprint Mapping

Nom500yr + 3 ft.

Argentine Unit 180+00 to 240+00

NOTES:

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- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Floodwall raise
- Buried collector
- Levee raise
- Soils replacement, Filter blanket
- I-walls

N

Photography Date: 2001

0 100 200 400 Feet

Projection: UTM Zone 15, Feet
Datum: NAD 83

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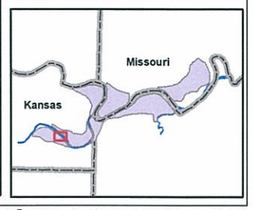


ARGENTINE

Landside levee raise & Stability berm 118 to 245+00

Filter blanket 244+00 to 246+00

I-wall 245+00 to 251+65

Replace floodwall with levee 251+65 to 253+92

Remove and replace Argentine Pump Plant 9.5'x9' RCB

Santa Fe Yards Pump Plant 4'x5' RCB deloading with floodwall

I-wall with Rock fill toe 253+92 to 276+70

Utility Uplift Concern Area 248+00 to 275+00

Strengthen Strong Ave. Pump Plant 7'x7' RCB Strengthen box and Deloading with floodwall

Remove & replace floodwall 276+70 to 289+09

Buried collector 278+00 to 289+09

Remove & replace Stoplog

I-wall 289+09 to 289+40

240+00 245+00 250+00 255+00 260+00 265+00 270+00 275+00 280+00 285+00

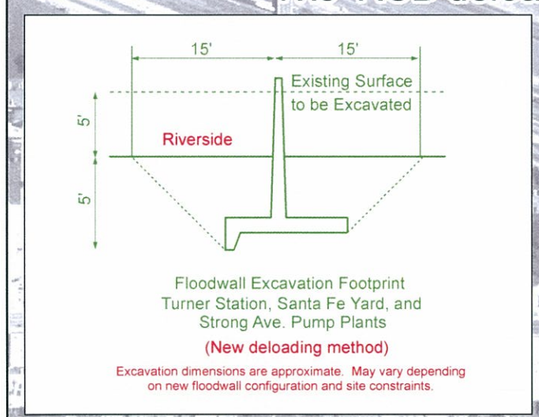
P P P

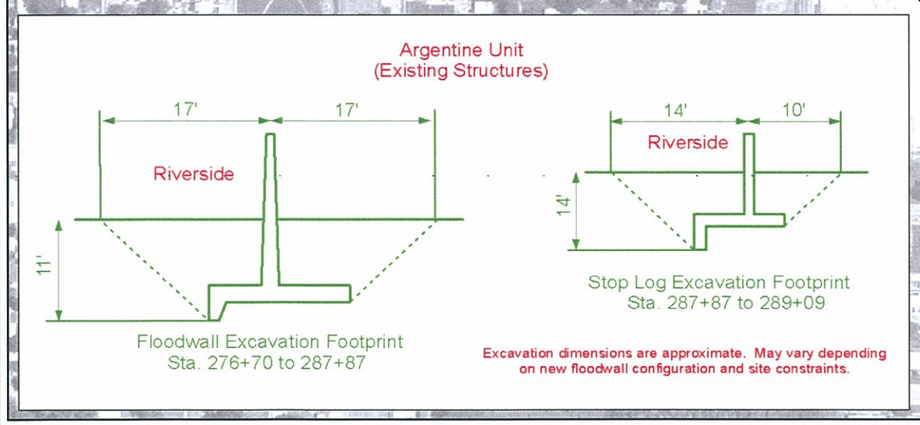
Santa Fe Depot

Kansas River

18th St. Bridge

5.3 5.2 5.1 5.0 4.9 4.8 4.7 4.6





Nominal 500 year plus 3 feet	
Station Range Feet	Type of Levee Raise
-2+00 to 28+30	Construct I-wall on levee
28+30 to 29+70	Remove & replace stoplog
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59+50 to 61+30	Deloading, floodwall (Turner P. Plant)
61+00 to 118+00	Construct I-wall on levee
118+00 to 245+00	Landside levee raise with berm
245+00 to 251+65	Construct I-wall on levee
251+65 to 253+92	Replace floodwall with levee
257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Construct I-wall with rockfill toe
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 289+09	Remove & replace floodwall
287+91 to 289+00	Remove & replace stoplog gap
289+09 to 289+40	Construct I-wall on levee

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Recommended Plan Footprint Mapping

Nom500yr + 3 ft.

Argentine Unit 240+00 to 289+00 (termination)

NOTES:

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- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Floodwall raise
- Buried collector
- Levee raise
- Soils replacement, Filter blanket
- I-walls

N

Photography Date: 2001

0 100 200 400 Feet

Projection: UTM Zone 15, Feet
Datum: NAD 83

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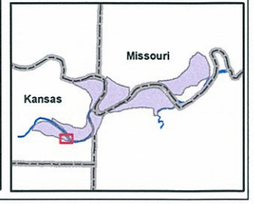

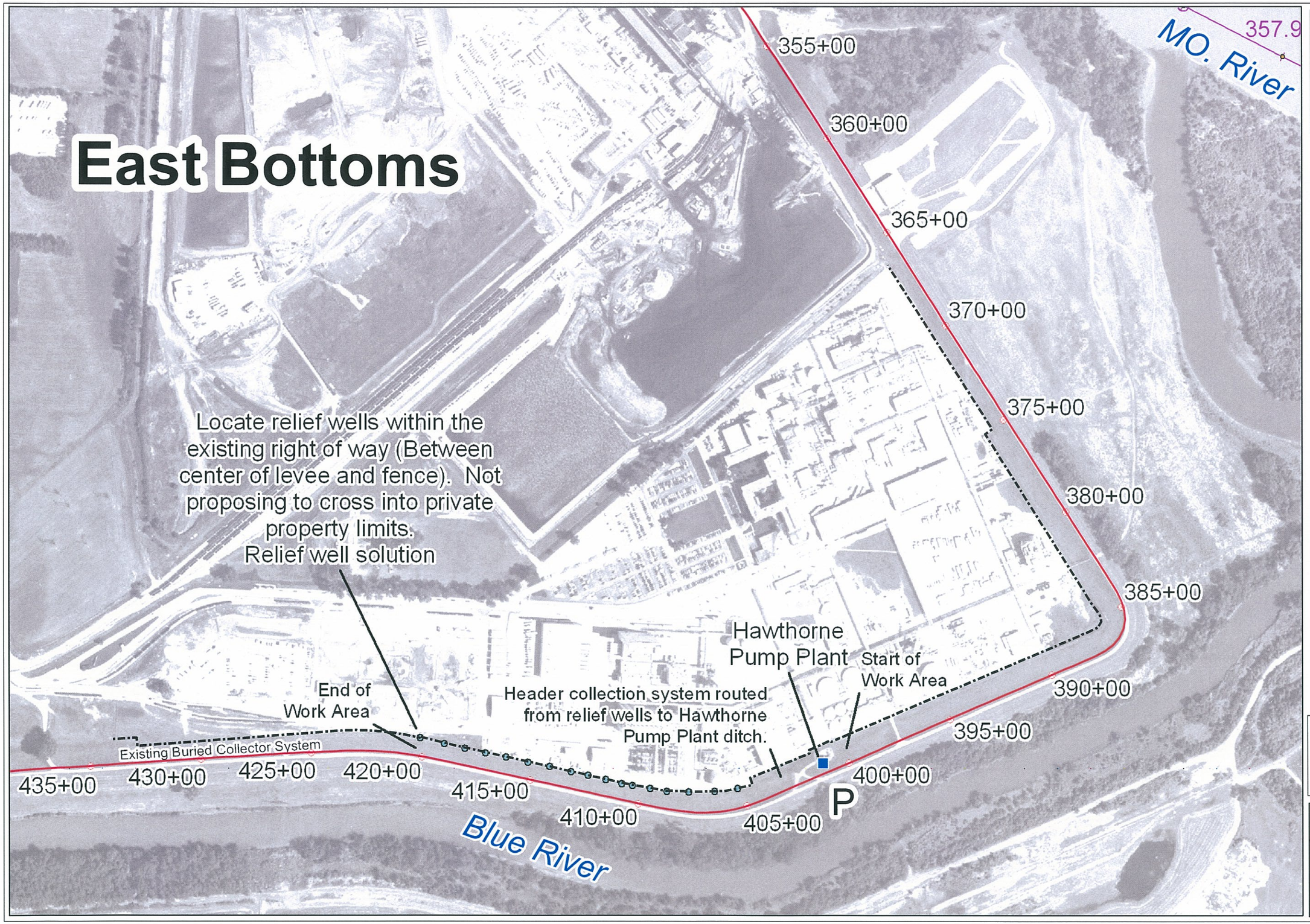

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Recommended Plan Footprint Mapping

Missouri and Blue Rivers' Confluence Area

NOTE: Utility easements are not shown.

Key

- Existing Right of Way
- Temporary Easement Requirement
- 373.6 River Mile Markers

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Relief Wells Points

N

Photography Date: 2001

0 100 200 400 Feet

Projection: UTM Zone 15, Feet
Datum: NAD 83

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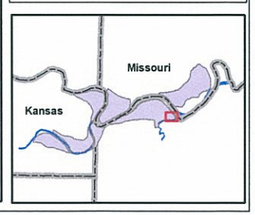

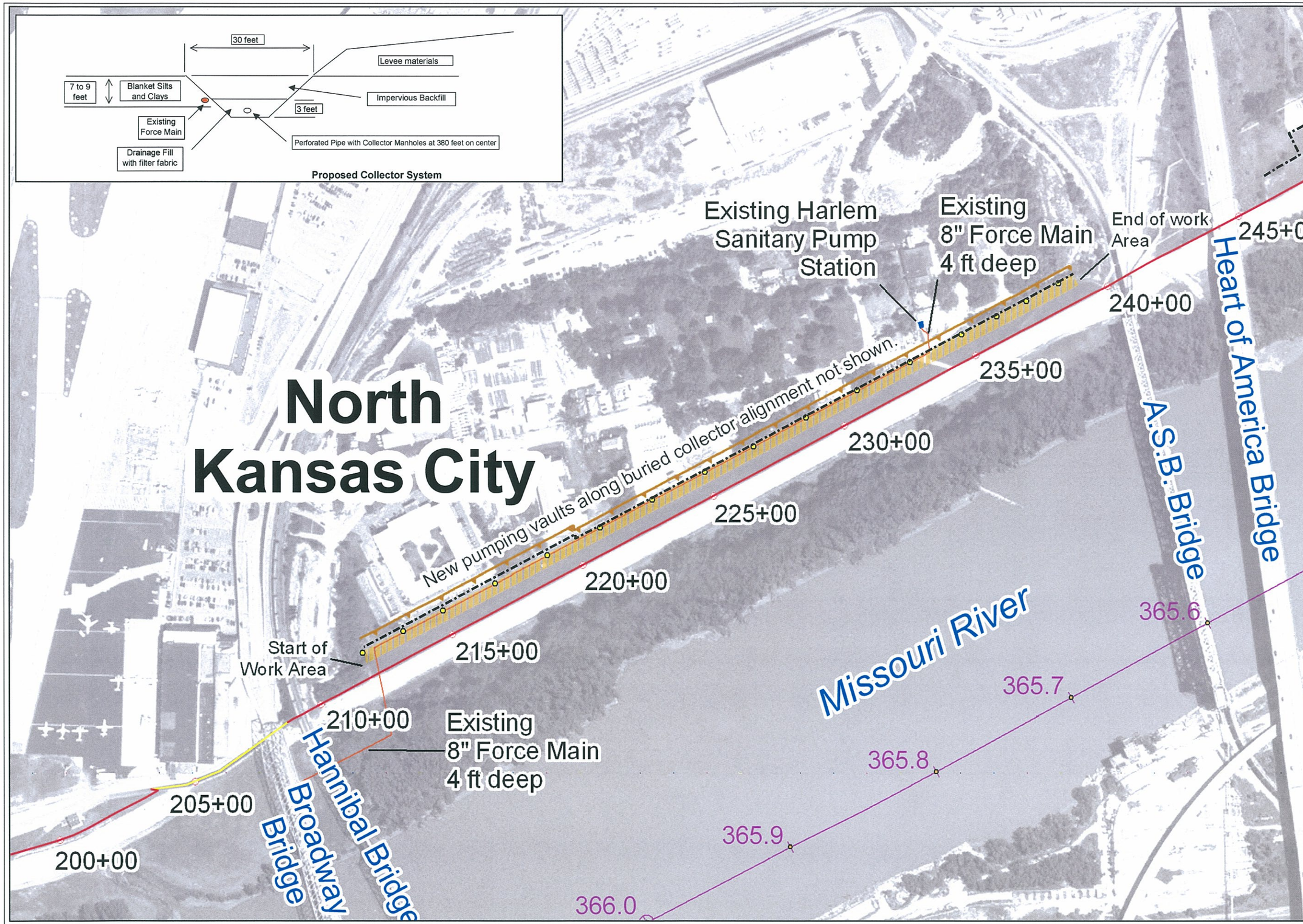

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Recommended Plan Footprint Mapping

Harlem Area

NOTE: Utility easements are not shown.

Key

- Existing Right of Way
- Temporary Easement Requirement
- 373.6 River Mile Markers

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Buried collector
- Existing Power Poles

Photography Date: 2001

0 75 150 300 Feet

Projection: UTM Zone 15, Feet
Datum: NAD 83

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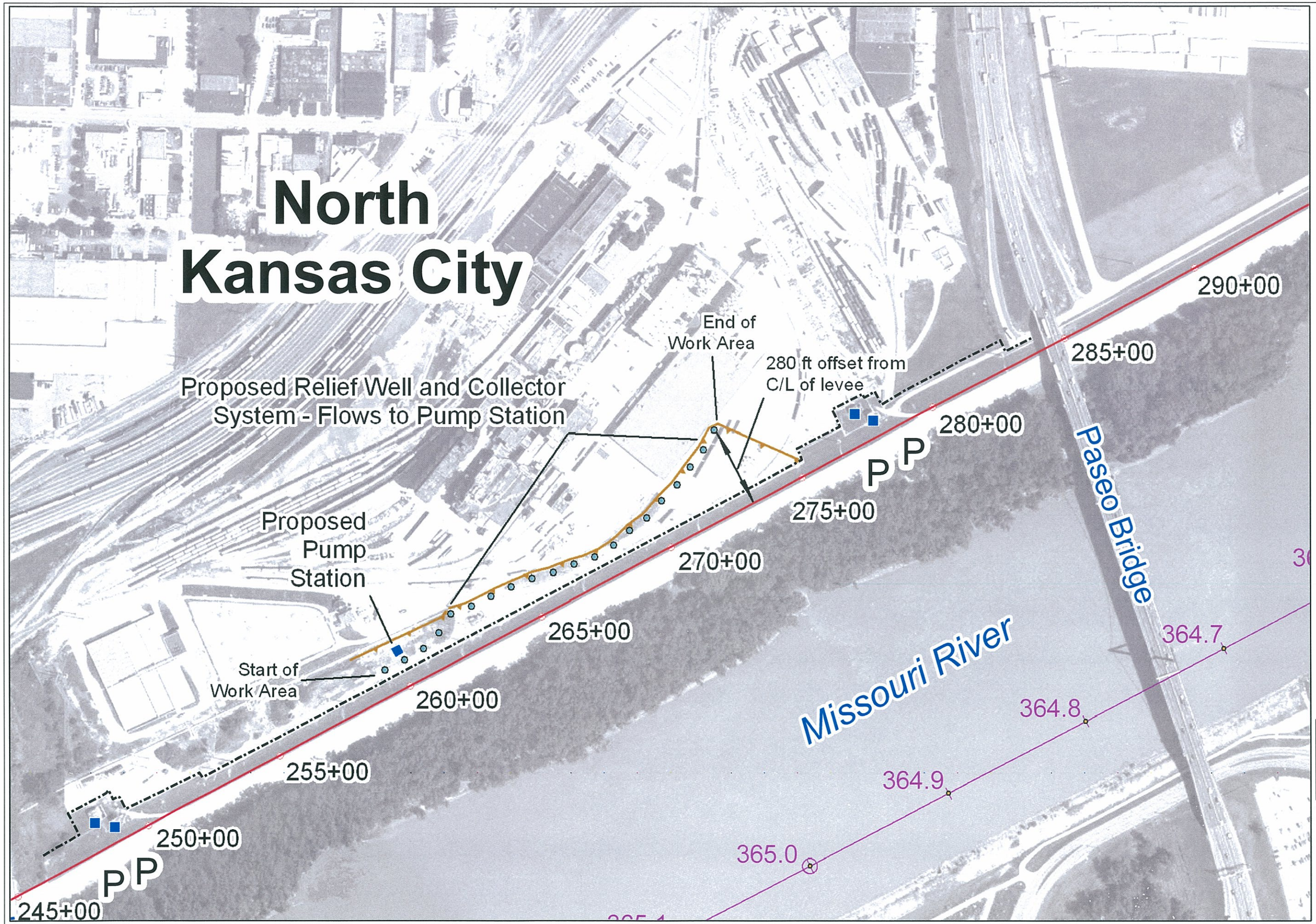

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Recommended Plan Footprint Mapping

National Starch Area

NOTE: Utility easements are not shown.

Key

- Existing Right of Way
- Temporary Easement Requirement
- 373.6 River Mile Markers

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Relief Wells Points

N

Photography Date: 2001

0 75 150 300 Feet

Projection: UTM Zone 15, Feet
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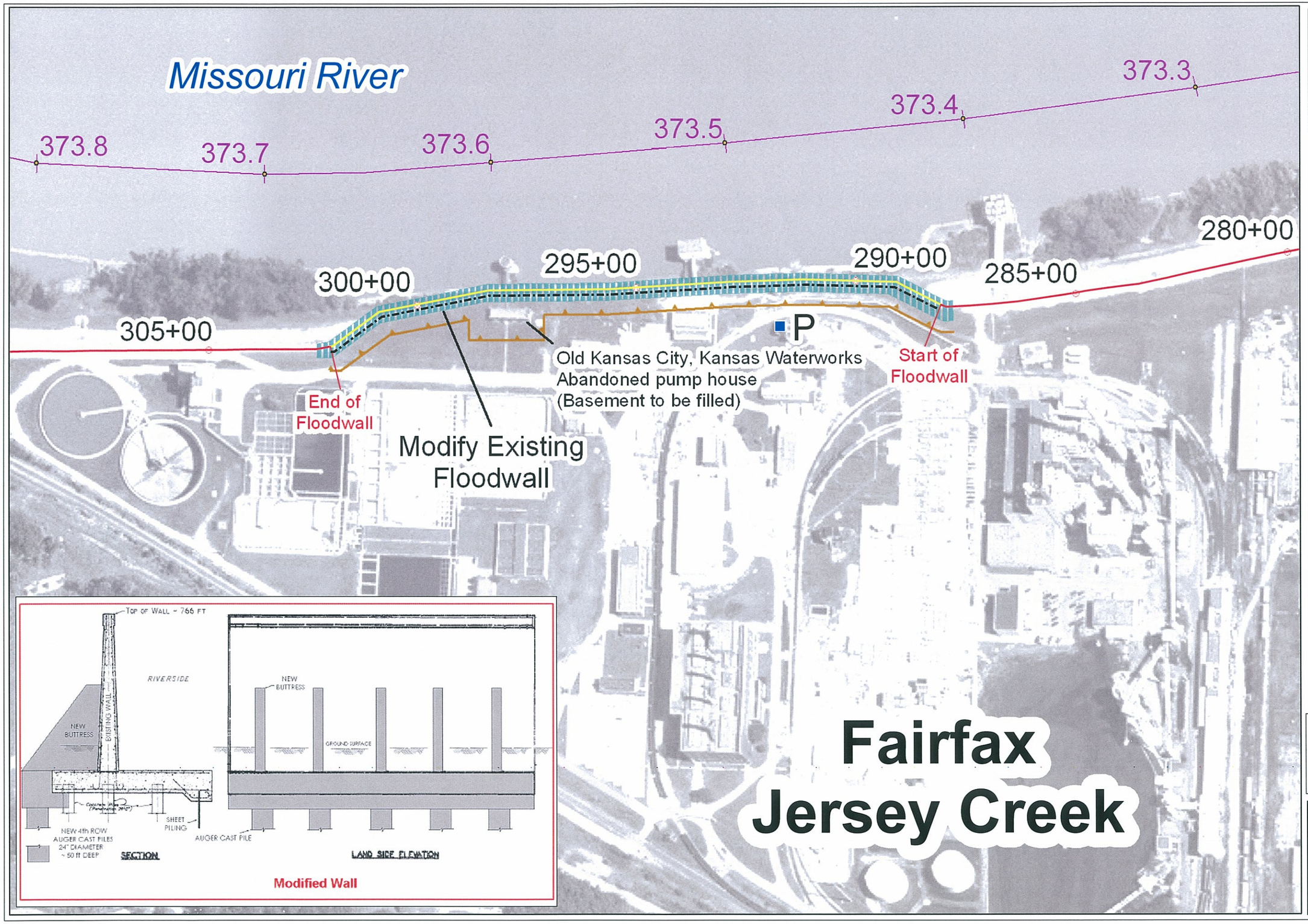

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Recommended Plan Footprint Mapping

Fairfax BPU Area

NOTE: Utility easements are not shown.

Key

- Existing Right of Way
- Temporary Easement Requirement
- 373.6 River Mile Markers

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Modify Existing Floodwall

N

Photography Date: 2001

0 50 100 200 Feet

Projection: UTM Zone 15, Feet
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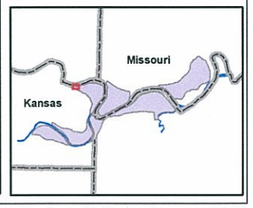

Fairfax Jersey Creek

35+00

367.9

30+00

P

STA 29+98
End Sheetpile

Jersey Creek Outfall

Missouri River

All Work within Existing Right of Way

367.8

25+00

Sheetpile and Wharf Improvements between STA 17+70 to STA 23+30 to be performed by others. Not included within Federal Cost Shared Project.

Driven Sheetpile Wall System

STA 23+30
End Wharf

Wharf Area

367.7

20+00

STA 17+70
Start Wharf

STA 15+70
Begin Sheetpile

15+00

367.6

10+00

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Recommended Plan Footprint Mapping

Fairfax/Jersey Creek Sheetpile Wall Area

NOTE: Utility easements are not shown.

Key

Existing Right of Way
Temporary Easement Requirement
373.6 River Mile Markers

Existing Levee Features
P Pump Plant

Existing Levee/Floodwall
Floodwall
Levee

Potentially Affected Areas
Driven Sheetpile
Above ground
Below ground
Driven Sheetpile, Wharf Area
Above ground
Below ground

N

Photography Date: 2001

Feet
0 50 100 200

Projection: UTM Zone 15, Feet
Datum: NAD 83

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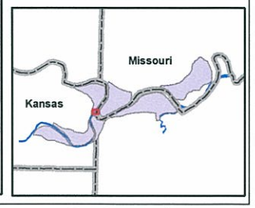
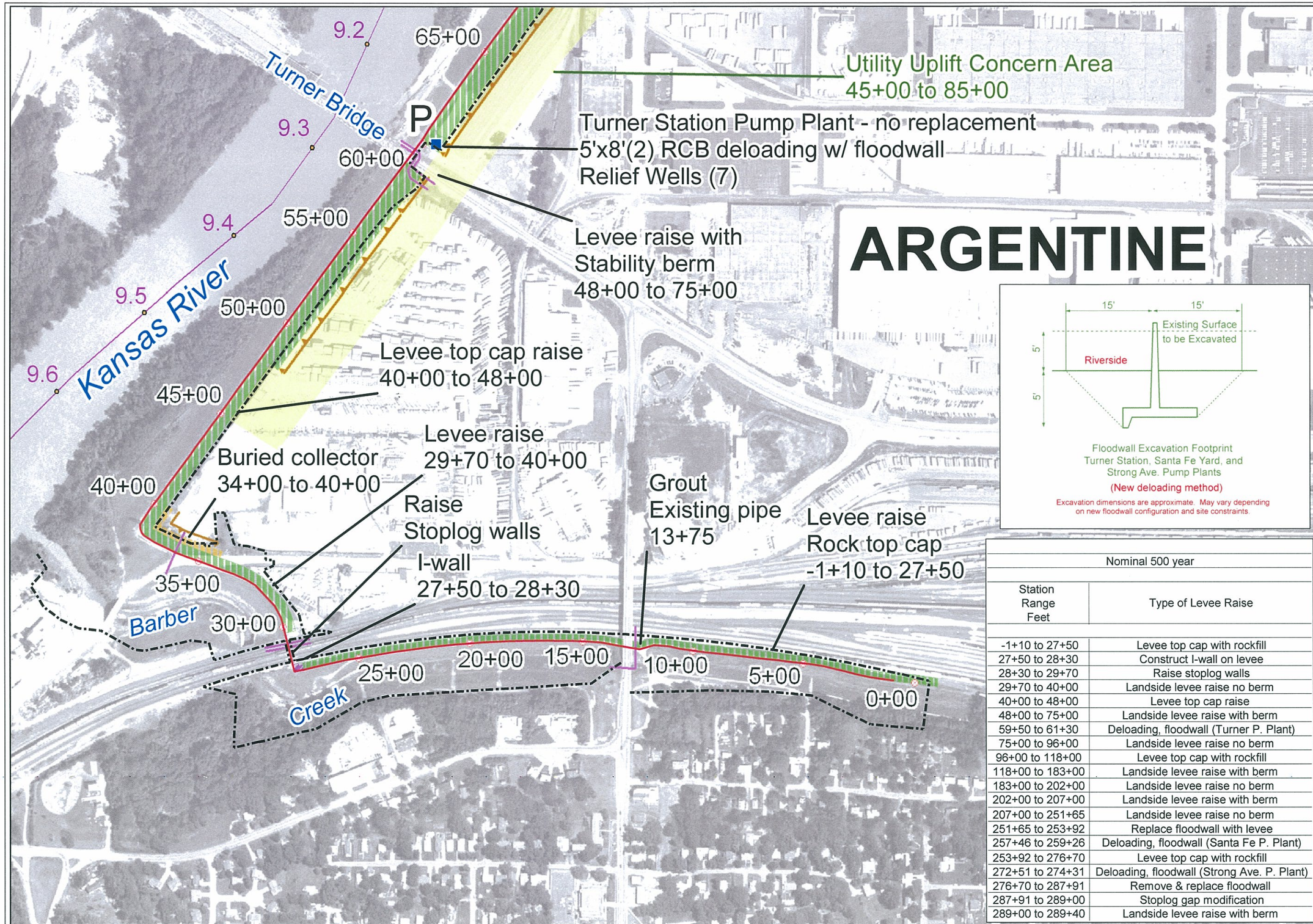


Plate 10 Fairfax - Jersey Creek Sheetpile Wall



Nominal 500 year	
Station Range Feet	Type of Levee Raise
-1+10 to 27+50	Levee top cap with rockfill
27+50 to 28+30	Construct I-wall on levee
28+30 to 29+70	Raise stoplog walls
29+70 to 40+00	Landside levee raise no berm
40+00 to 48+00	Levee top cap raise
48+00 to 75+00	Landside levee raise with berm
59+50 to 61+30	Deloading, floodwall (Turner P. Plant)
75+00 to 96+00	Landside levee raise no berm
96+00 to 118+00	Levee top cap with rockfill
118+00 to 183+00	Landside levee raise with berm
183+00 to 202+00	Landside levee raise no berm
202+00 to 207+00	Landside levee raise with berm
207+00 to 251+65	Landside levee raise no berm
251+65 to 253+92	Replace floodwall with levee
257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Levee top cap with rockfill
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 287+91	Remove & replace floodwall
287+91 to 289+00	Stoplog gap modification
289+00 to 289+40	Landside levee raise with berm

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Footprint Mapping

Nom500yr + 0 ft.

Argentine Unit 0+00 to 65+00

NOTES:

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Key

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- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Floodwall raise
- Buried collector
- Levee raise
- Soils replacement, Filter blanket
- I-walls

N

Photography Date: 2001

0 100 200 400 Feet

Projection: UTM Zone 15, Feet
Datum: NAD 83

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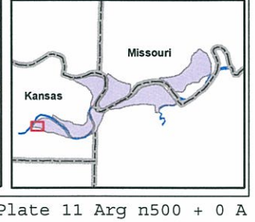

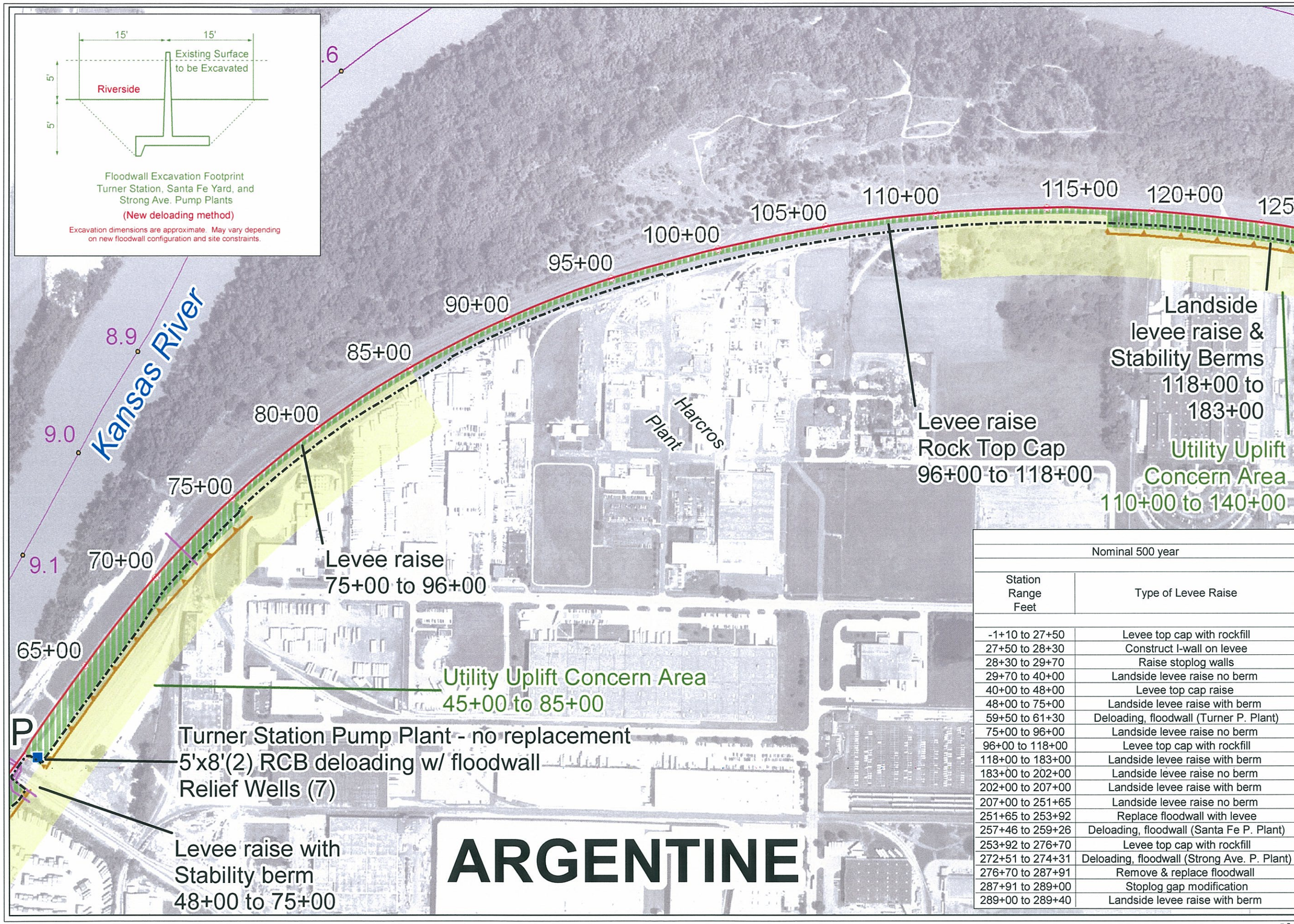

Nominal 500 year	
Station Range Feet	Type of Levee Raise
-1+10 to 27+50	Levee top cap with rockfill
27+50 to 28+30	Construct I-wall on levee
28+30 to 29+70	Raise stoplog walls
29+70 to 40+00	Landside levee raise no berm
40+00 to 48+00	Levee top cap raise
48+00 to 75+00	Landside levee raise with berm
59+50 to 61+30	Deloading, floodwall (Turner P. Plant)
75+00 to 96+00	Landside levee raise no berm
96+00 to 118+00	Levee top cap with rockfill
118+00 to 183+00	Landside levee raise with berm
183+00 to 202+00	Landside levee raise no berm
202+00 to 207+00	Landside levee raise with berm
207+00 to 251+65	Landside levee raise no berm
251+65 to 253+92	Replace floodwall with levee
257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Levee top cap with rockfill
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 287+91	Remove & replace floodwall
287+91 to 289+00	Stoplog gap modification
289+00 to 289+40	Landside levee raise with berm

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Footprint Mapping

Nom500yr + 0 ft.

Argentine Unit 60+00 to 125+00

NOTES:

1. Utility easements are not shown.
2. Levee raise shown stopping at levee centerline for clarity. Raise actually involves entire levee crown width.

Key

- Existing Right of Way
- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Floodwall raise
- Buried collector
- Levee raise
- Soils replacement, Filter blanket
- I-walls

N

Photography Date: 2001

Feet
0 100 200 400

Projection: UTM Zone 15, Feet
Datum: NAD 83

Created by: U.S. Army Corps of Engineers
Kansas City District, GDS Team

Users should refer corrections, additions, and comments for improving this product to:

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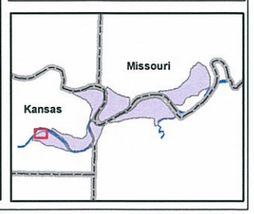

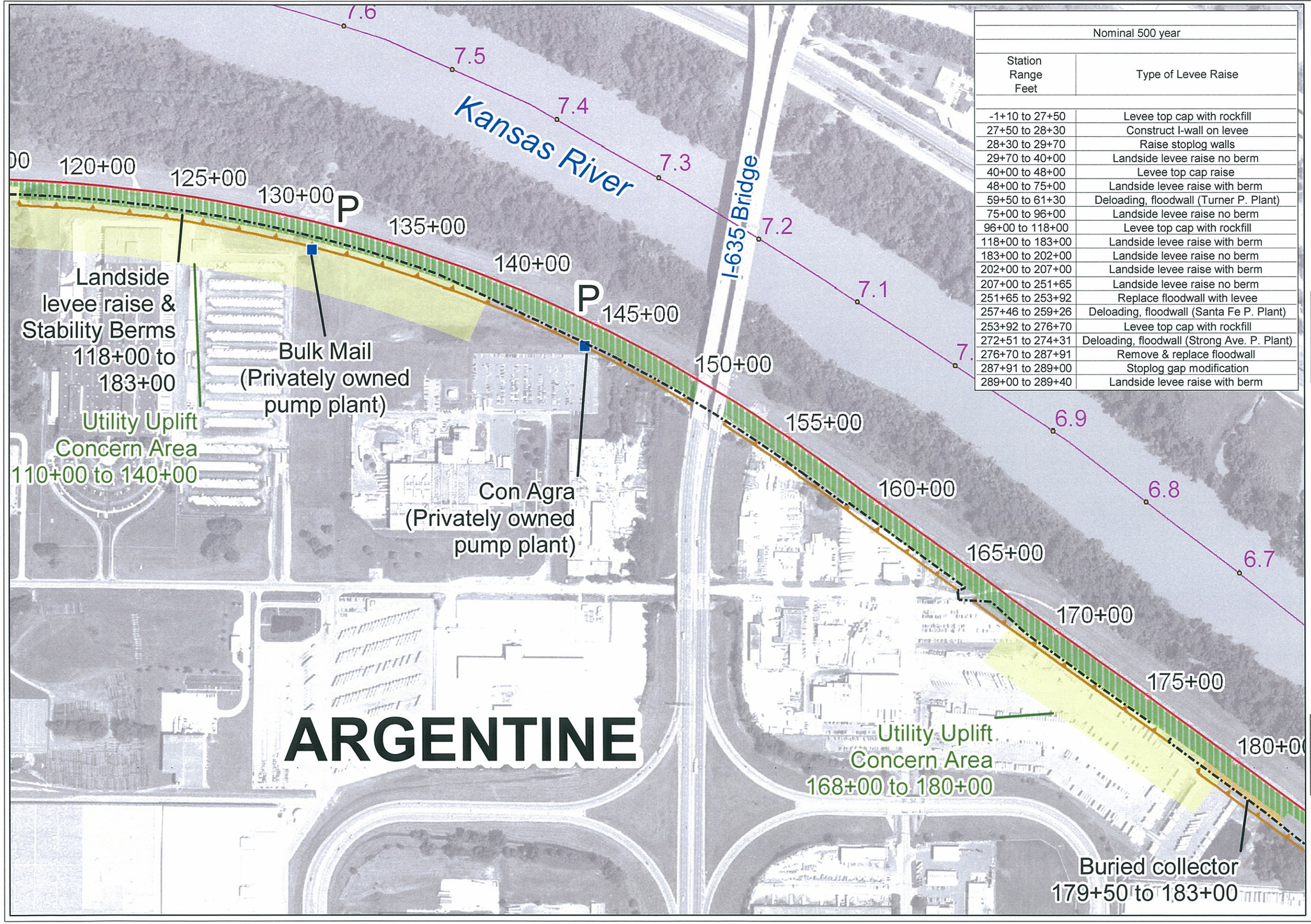

Nominal 500 year	
Station Range Feet	Type of Levee Raise
-1+10 to 27+50	Levee top cap with rockfill
27+50 to 28+30	Construct I-wall on levee
28+30 to 29+70	Raise stoplog walls
29+70 to 40+00	Landside levee raise no berm
40+00 to 48+00	Levee top cap raise
48+00 to 75+00	Landside levee raise with berm
59+50 to 61+30	Deloading, floodwall (Turner P. Plant)
75+00 to 96+00	Landside levee raise no berm
96+00 to 118+00	Levee top cap with rockfill
118+00 to 183+00	Landside levee raise with berm
183+00 to 202+00	Landside levee raise no berm
202+00 to 207+00	Landside levee raise with berm
207+00 to 251+65	Landside levee raise no berm
251+65 to 253+92	Replace floodwall with levee
257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Levee top cap with rockfill
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 287+91	Remove & replace floodwall
287+91 to 289+00	Stoplog gap modification
289+00 to 289+40	Landside levee raise with berm

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Footprint Mapping

Nom500yr + 0 ft.

Argentine Unit 120+00 to 180+00

NOTES:

1. Utility easements are not shown.
2. Levee raise shown stopping at levee centerline for clarity. Raise actually involves entire levee crown width.

Key

- Existing Right of Way
- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Floodwall raise
- Buried collector
- Levee raise
- Soils replacement, Filter blanket
- I-walls

N

Photography Date: 2001

Feet
0 100 200 400

Projection: UTM Zone 15, Feet
Datum: NAD 83

Created by: U.S. Army Corps of Engineers
Kansas City District, GDS Team

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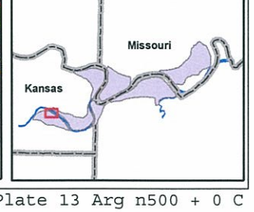

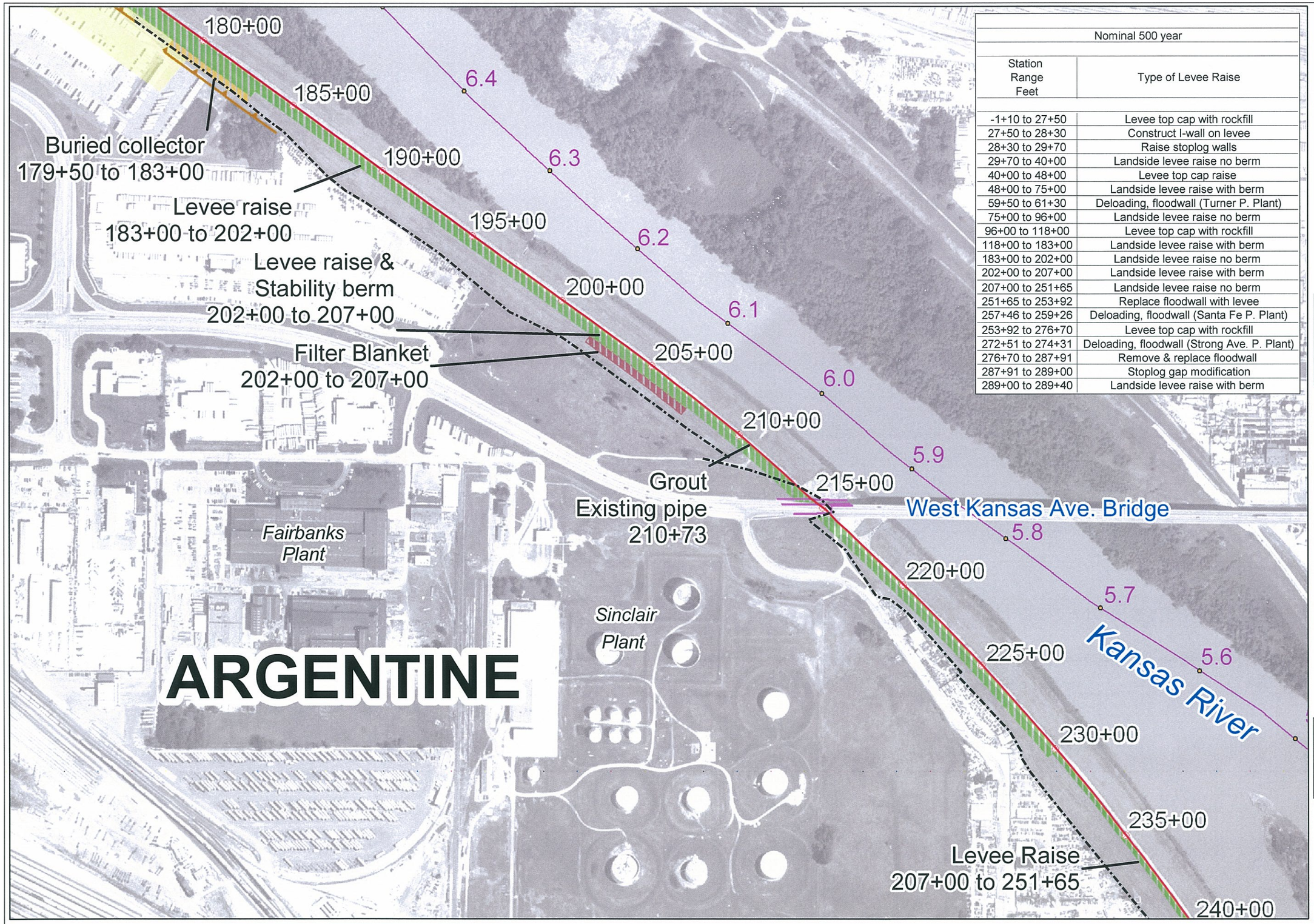

Nominal 500 year	
Station Range Feet	Type of Levee Raise
-1+10 to 27+50	Levee top cap with rockfill
27+50 to 28+30	Construct I-wall on levee
28+30 to 29+70	Raise stoplog walls
29+70 to 40+00	Landside levee raise no berm
40+00 to 48+00	Levee top cap raise
48+00 to 75+00	Landside levee raise with berm
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96+00 to 118+00	Levee top cap with rockfill
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257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Levee top cap with rockfill
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 287+91	Remove & replace floodwall
287+91 to 289+00	Stoplog gap modification
289+00 to 289+40	Landside levee raise with berm

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Footprint Mapping

Nom500yr + 0 ft.

Argentine Unit
180+00 to 240+00

NOTES:

1. Utility easements are not shown.
2. Levee raise shown stopping at levee centerline for clarity. Raise actually involves entire levee crown width.

Key

- Existing Right of Way
- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Floodwall raise
- Buried collector
- Levee raise
- Soils replacement, Filter blanket
- I-walls

N

Photography Date: 2001

0 100 200 400 Feet

Projection: UTM Zone 15, Feet
Datum: NAD 83

Created by: U.S. Army Corps of Engineers
Kansas City District, GDS Team

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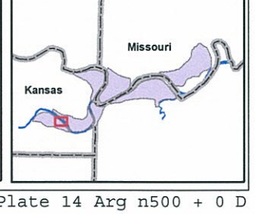

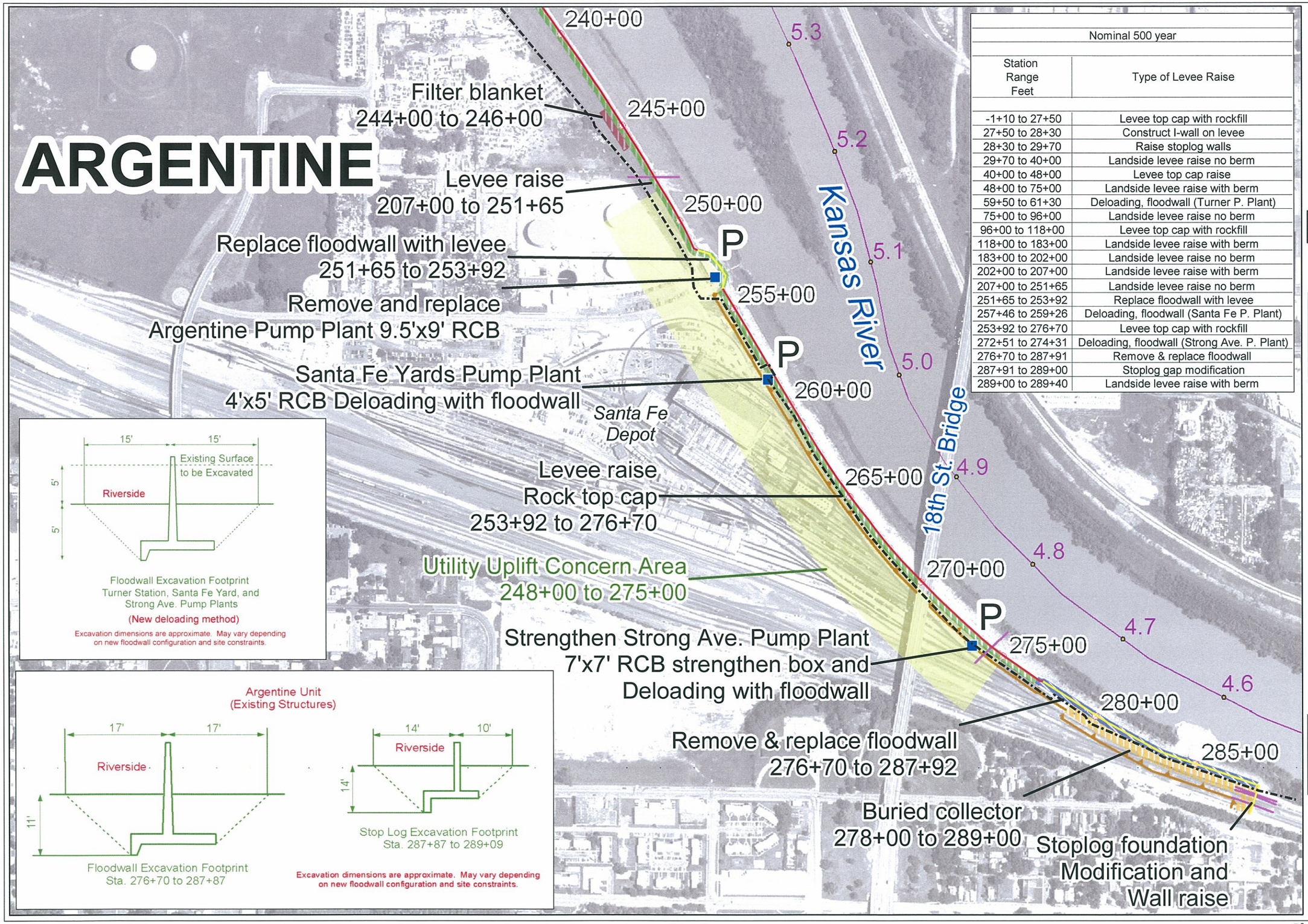

Nominal 500 year	
Station Range Feet	Type of Levee Raise
-1+10 to 27+50	Levee top cap with rockfill
27+50 to 28+30	Construct I-wall on levee
28+30 to 29+70	Raise stoplog walls
29+70 to 40+00	Landside levee raise no berm
40+00 to 48+00	Levee top cap raise
48+00 to 75+00	Landside levee raise with berm
59+50 to 61+30	Deloading, floodwall (Turner P. Plant)
75+00 to 96+00	Landside levee raise no berm
96+00 to 118+00	Levee top cap with rockfill
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251+65 to 253+92	Replace floodwall with levee
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253+92 to 276+70	Levee top cap with rockfill
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 287+91	Remove & replace floodwall
287+91 to 289+00	Stoplog gap modification
289+00 to 289+40	Landside levee raise with berm

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Footprint Mapping

Nom500yr + 0 ft.

Argentine Unit
240+00 to 289+00 (termination)

NOTES:

1. Utility easements are not shown.
2. Levee raise shown stopping at levee centerline for clarity. Raise actually involves entire levee crown width.

Key

- Existing Right of Way
- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Floodwall raise
- Buried collector
- Levee raise
- Soils replacement, Filter blanket
- I-walls

N

Photography Date: 2001

0 100 200 400 Feet

Projection: UTM Zone 15, Feet
Datum: NAD 83

Created by: U.S. Army Corps of Engineers
Kansas City District, GDS Team

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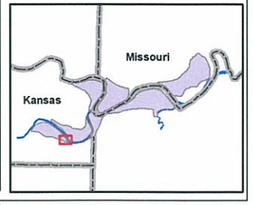

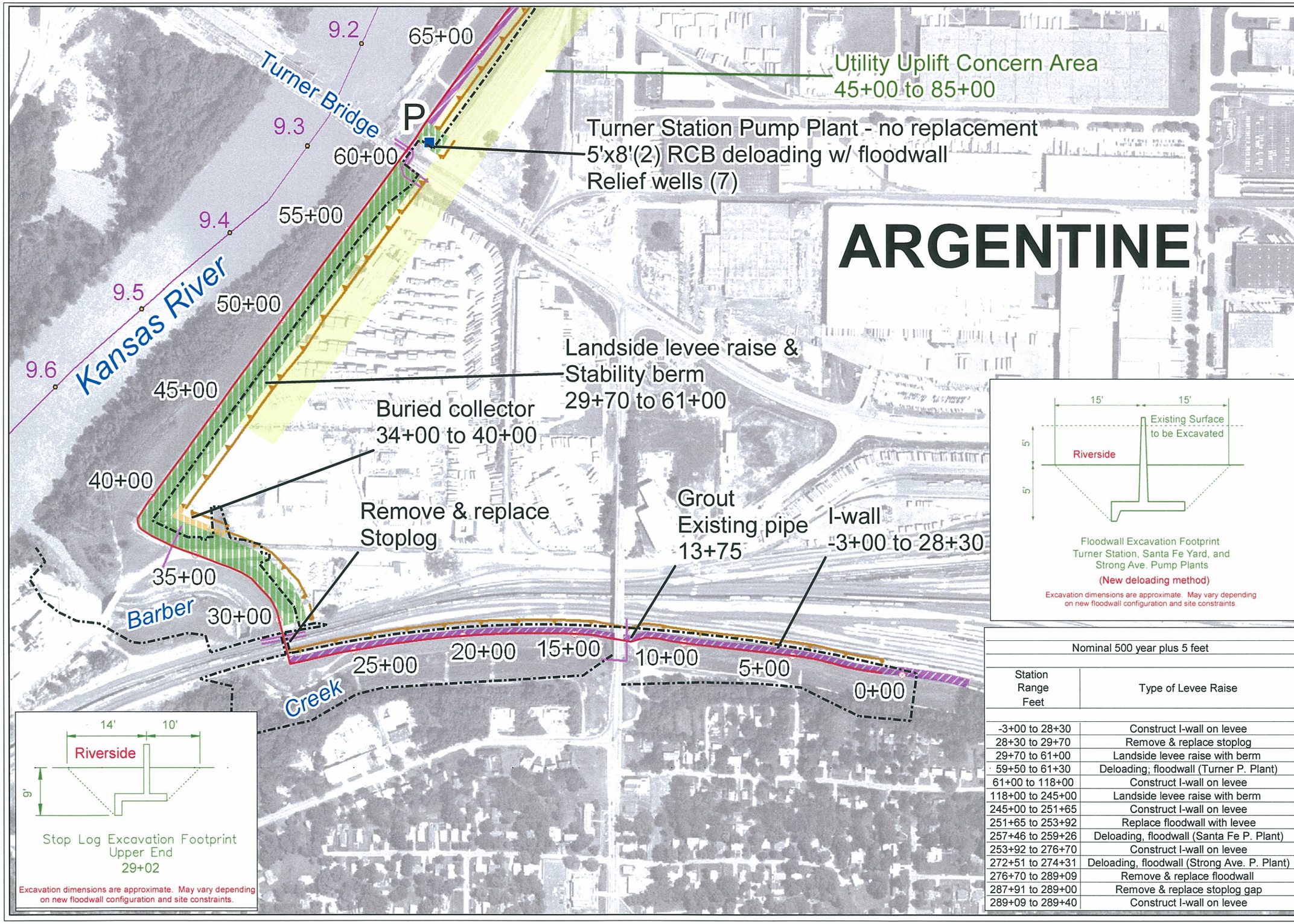

Nominal 500 year plus 5 feet	
Station Range Feet	Type of Levee Raise
-3+00 to 28+30	Construct I-wall on levee
28+30 to 29+70	Remove & replace stoplog
29+70 to 61+00	Landside levee raise with berm
59+50 to 61+30	Deloading; floodwall (Turner P. Plant)
61+00 to 118+00	Construct I-wall on levee
118+00 to 245+00	Landside levee raise with berm
245+00 to 251+65	Construct I-wall on levee
251+65 to 253+92	Replace floodwall with levee
257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Construct I-wall on levee
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 289+09	Remove & replace floodwall
287+91 to 289+00	Remove & replace stoplog gap
289+09 to 289+40	Construct I-wall on levee

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Footprint Mapping

Nom500yr + 5 ft.

Argentine Unit 0+00 to 65+00

NOTES:

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2. Levee raise shown stopping at levee centerline for clarity. Raise actually involves entire levee crown width.

Key

- Existing Right of Way
- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Floodwall raise
- Buried collector
- Levee raise
- Soils replacement, Filter blanket
- I-walls

N

Photography Date: 2001

0 100 200 400 Feet

Projection: UTM Zone 15, Feet
Datum: NAD 83

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Kansas City District, GDS Team

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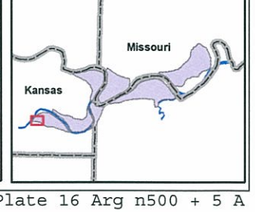

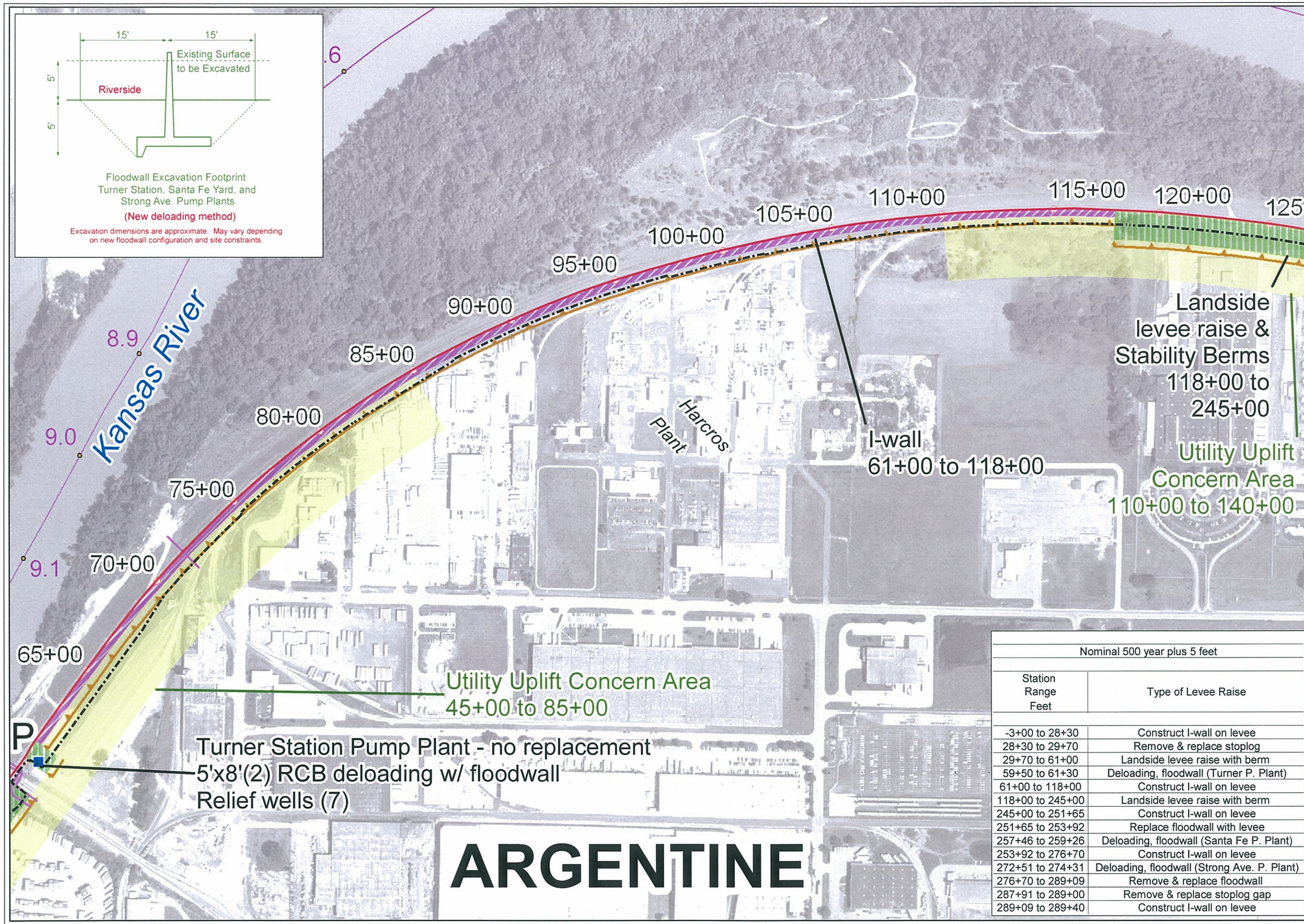

Nominal 500 year plus 5 feet	
Station Range Feet	Type of Levee Raise
-3+00 to 28+30	Construct I-wall on levee
28+30 to 29+70	Remove & replace stoplog
29+70 to 61+00	Landside levee raise with berm
59+50 to 61+30	Deloading, floodwall (Turner P. Plant)
61+00 to 118+00	Construct I-wall on levee
118+00 to 245+00	Landside levee raise with berm
245+00 to 251+65	Construct I-wall on levee
251+65 to 253+92	Replace floodwall with levee
257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Construct I-wall on levee
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 289+09	Remove & replace floodwall
287+91 to 289+00	Remove & replace stoplog gap
289+09 to 289+40	Construct I-wall on levee

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Footprint Mapping

Nom500yr + 5 ft.

Argentine Unit 60+00 to 125+00

NOTES:

1. Utility easements are not shown.
2. Levee raise shown stopping at levee centerline for clarity. Raise actually involves entire levee crown width.

Key

- Existing Right of Way
- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Floodwall raise
- Buried collector
- Levee raise
- Soils replacement, Filter blanket
- I-walls

N

Photography Date: 2001

0 100 200 400 Feet

Projection: UTM Zone 15, Feet
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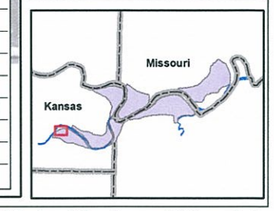

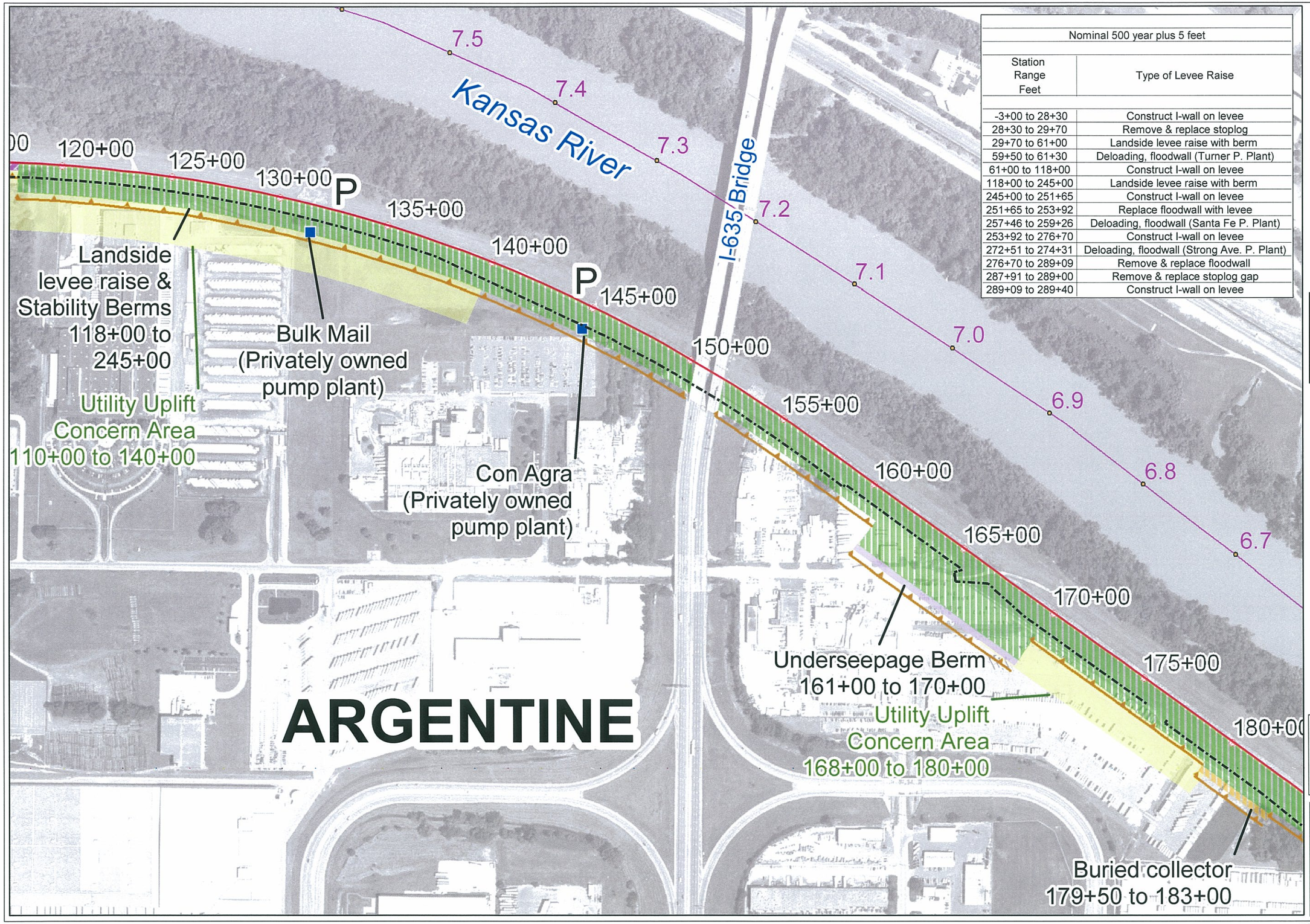

Nominal 500 year plus 5 feet	
Station Range Feet	Type of Levee Raise
-3+00 to 28+30	Construct I-wall on levee
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61+00 to 118+00	Construct I-wall on levee
118+00 to 245+00	Landside levee raise with berm
245+00 to 251+65	Construct I-wall on levee
251+65 to 253+92	Replace floodwall with levee
257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Construct I-wall on levee
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 289+09	Remove & replace floodwall
287+91 to 289+00	Remove & replace stoplog gap
289+09 to 289+40	Construct I-wall on levee

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Footprint Mapping

Nom500yr + 5 ft.

Argentine Unit 120+00 to 180+00

NOTES:

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Key

- Existing Right of Way
- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Floodwall raise
- Buried collector
- Levee raise
- Soils replacement, Filter blanket
- I-walls

N

Photography Date: 2001

0 100 200 400 Feet

Projection: UTM Zone 15, Feet
Datum: NAD 83

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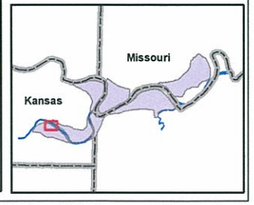

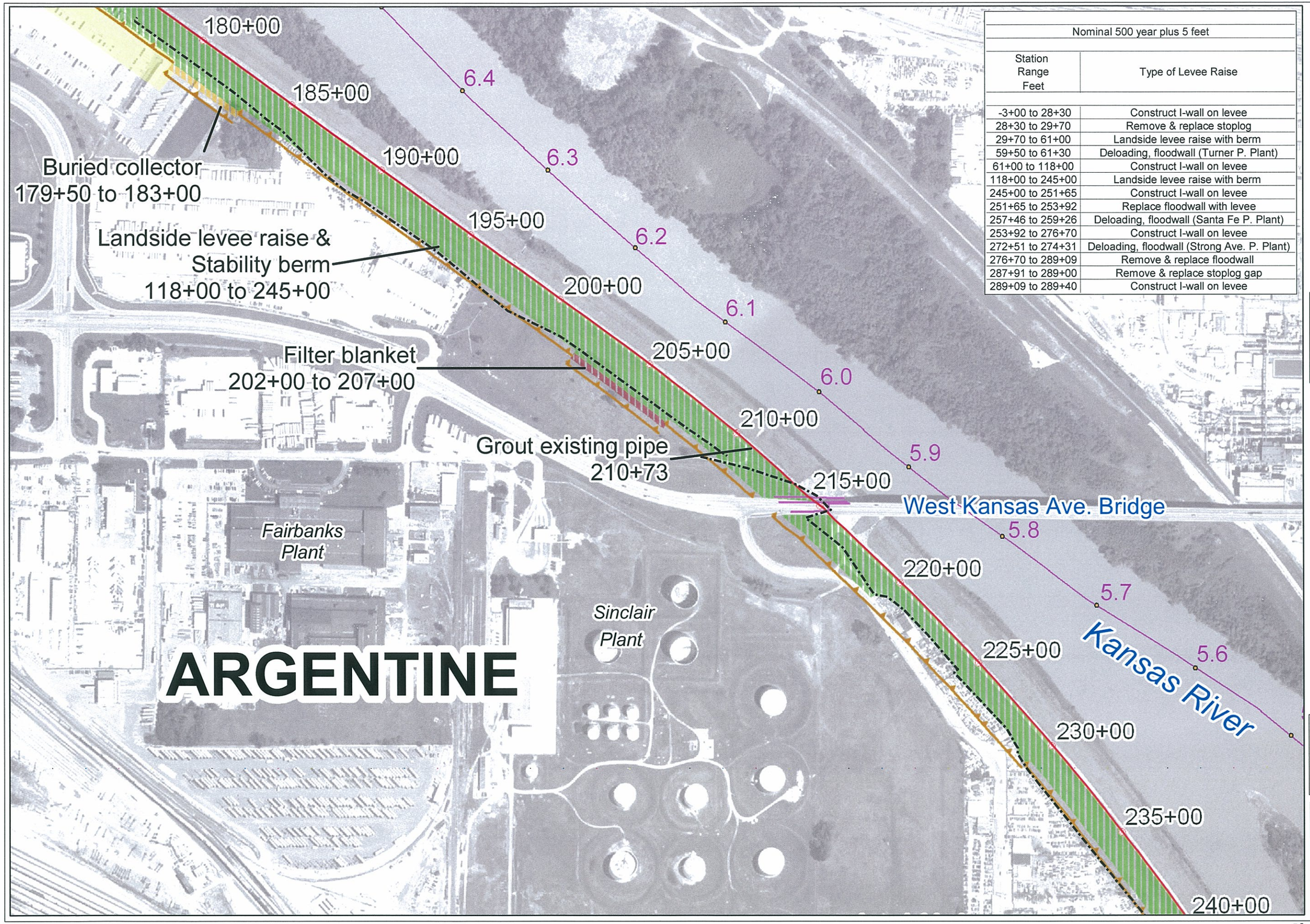

Nominal 500 year plus 5 feet	
Station Range Feet	Type of Levee Raise
-3+00 to 28+30	Construct I-wall on levee
28+30 to 29+70	Remove & replace stoplog
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257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Construct I-wall on levee
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 289+09	Remove & replace floodwall
287+91 to 289+00	Remove & replace stoplog gap
289+09 to 289+40	Construct I-wall on levee

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Footprint Mapping

Nom500yr + 5 ft.

Argentine Unit 180+00 to 240+00

NOTES:

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Key

- Existing Right of Way
- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Floodwall raise
- Buried collector
- Levee raise
- Soils replacement, Filter blanket
- I-walls

N

Photography Date: 2001

0 100 200 400 Feet

Projection: UTM Zone 15, Feet
Datum: NAD 83

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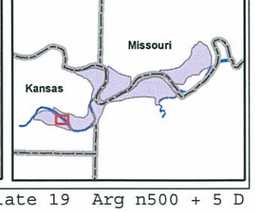


ARGENTINE

Landside levee raise & Stability berm
118+00 to 245+00

Filter blanket
244+00 to 246+00

I-wall
245+00 to 251+65

Replace floodwall with levee
251+65 to 253+92

Remove and replace Argentine Pump Plant
9.5'x9' RCB

Santa Fe Yards Pump Plant
4'x5' RCB deloading with floodwall

Relief wells
253+92 to 276+70

I-wall
253+92 to 276+70

Utility Uplift Concern Area
248+00 to 275+00

Strengthen Strong Ave. Pump Plant
7'x7' RCB Strengthen box and
Deloading with floodwall

Remove & replace floodwall
276+70 to 289+09

Buried collector
278+00 to 289+09

Remove & replace
Stoplog

I-wall
289+09 to 289+40

240+00
245+00
250+00
255+00
260+00
265+00
270+00
275+00
280+00
285+00

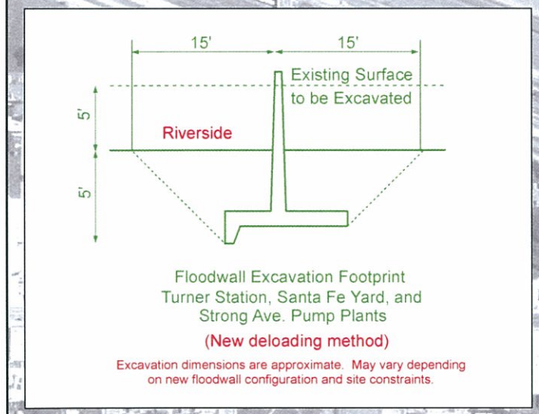
P
P
P

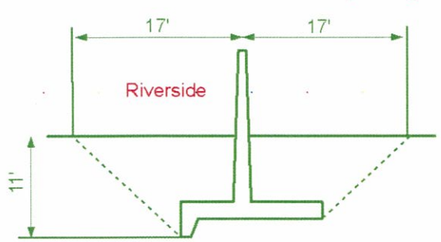
Santa Fe Depot

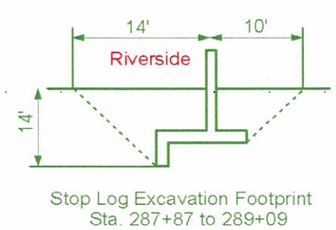
Kansas River

18th St. Bridge

5.3
5.2
5.1
5.0
4.9
4.8
4.7
4.6







Nominal 500 year plus 5 feet	
Station Range Feet	Type of Levee Raise
-3+00 to 28+30	Construct I-wall on levee
28+30 to 29+70	Remove & replace stoplog
29+70 to 61+00	Landside levee raise with berm
59+50 to 61+30	Deloading, floodwall (Turner P. Plant)
61+00 to 118+00	Construct I-wall on levee
118+00 to 245+00	Landside levee raise with berm
245+00 to 251+65	Construct I-wall on levee
251+65 to 253+92	Replace floodwall with levee
257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Construct I-wall on levee
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 289+09	Remove & replace floodwall
287+91 to 289+00	Remove & replace stoplog gap
289+09 to 289+40	Construct I-wall on levee

Kansas Citys, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

14 APR 06

Footprint Mapping

Nom500yr + 5 ft.

Argentine Unit
240+00 to 289+00 (termination)

NOTES:

1. Utility easements are not shown.
2. Levee raise shown stopping at levee centerline for clarity. Raise actually involves entire levee crown width.

Key

- Existing Right of Way
- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings

Existing Levee Features

- P Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

Potentially Affected Areas

- Floodwall raise
- Buried collector
- Levee raise
- Soils replacement, Filter blanket
- I-walls
- Relief wells

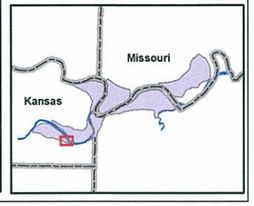
N

Photography Date: 2001

0 100 200 400 Feet

Projection: UTM Zone 15, Feet
Datum: NAD 83

Created by: U.S. Army Corps of Engineers
Kansas City District, GDS Team

Users should refer corrections, additions, and comments for improving this product to:

GDS Coordinator,
United States Army Corps of Engineers, Kansas City District,
601 East 12th, Room 812, Kansas City, Missouri, 64106