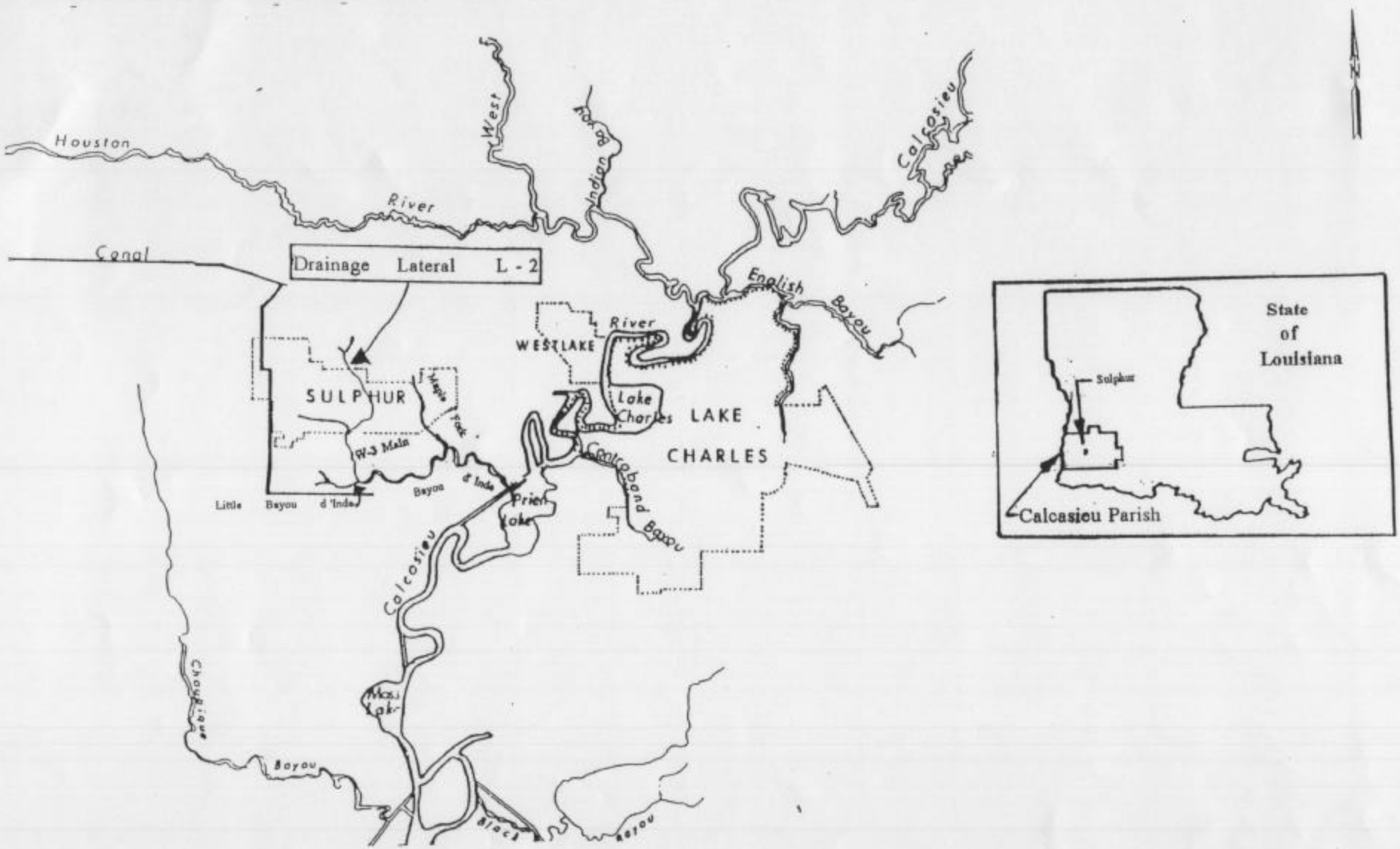


Revised 9/22/03
Arabie Environmental Solutions, Inc.

PURPOSE: TO ALLEVIATE DRAINAGE AND FLOODING PROBLEMS

DATUM: MEAN SEA LEVEL

ADJACENT PROPERTY OWNERS: PLEASE SEE ATTACHMENT A

VICINITY MAP

NO SCALE

MEYER & ASSOCIATES, INC.
CONSULTING ENGINEERS
600 CITIES SERVICE HWY.
SULPHUR, LOUISIANA

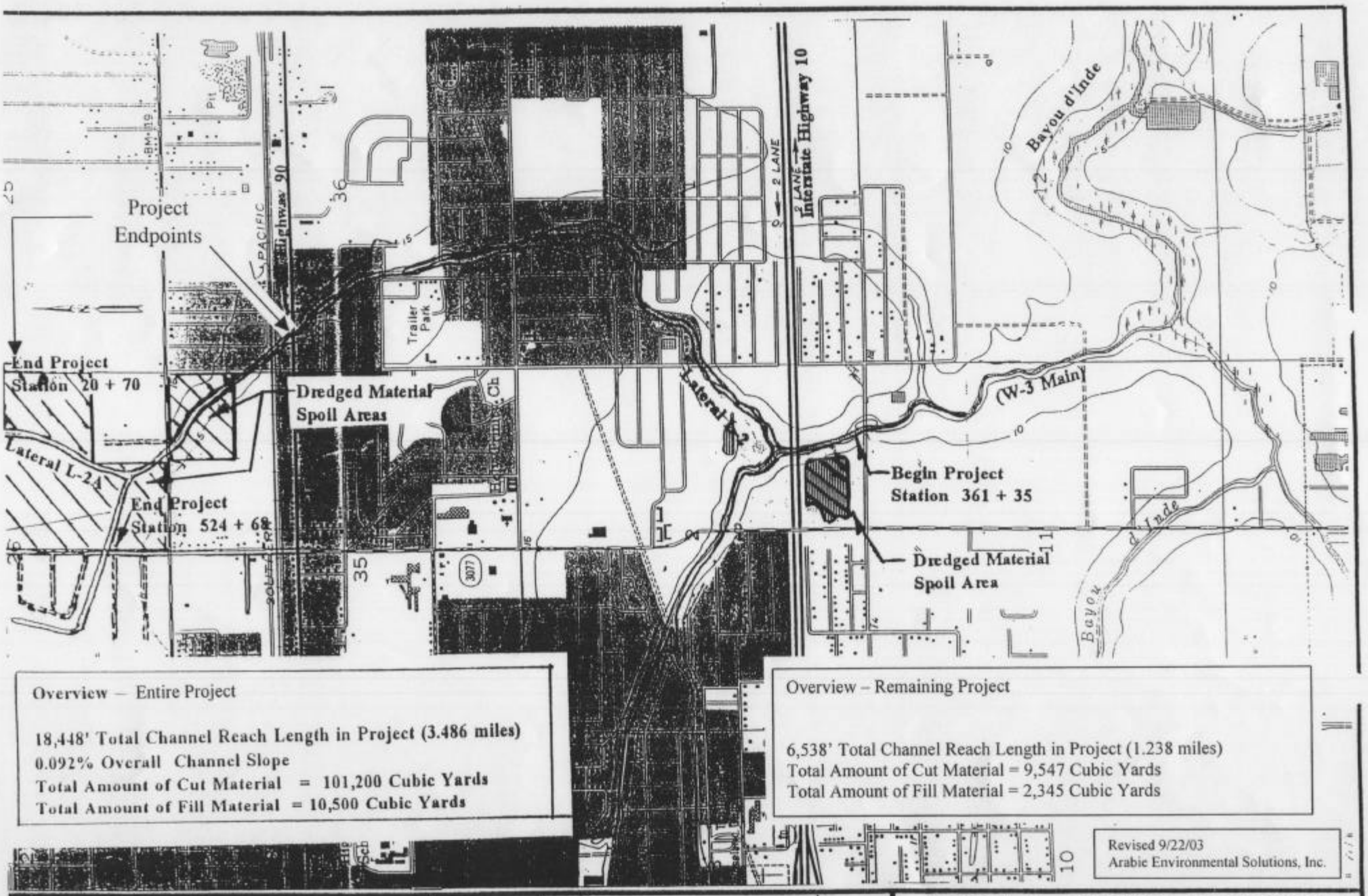
LATERAL L-2 CHANNEL IMPROVEMENTS

IN: W-3 MAIN, LATERAL L-2, LATERAL L-2A
AT: SULPHUR
PARISH OF: CALCASIEU STATE OF: LOUISIANA

APPLICATION BY: FIFTH GRAVITY DRAINAGE DISTRICT, WARD 4

SHEET 1 OF 4

DATE: 30 MARCH 1994



PURPOSE: TO ALLEVIATE DRAINAGE AND FLOODING PROBLEMS

DATUM: MEAN SEA LEVEL

ADJACENT PROPERTY OWNERS: PLEASE SEE ATTACHMENT A

OVERALL PLAN VIEW

0 400' 1000' 2000' 4000'

1" = 2000'

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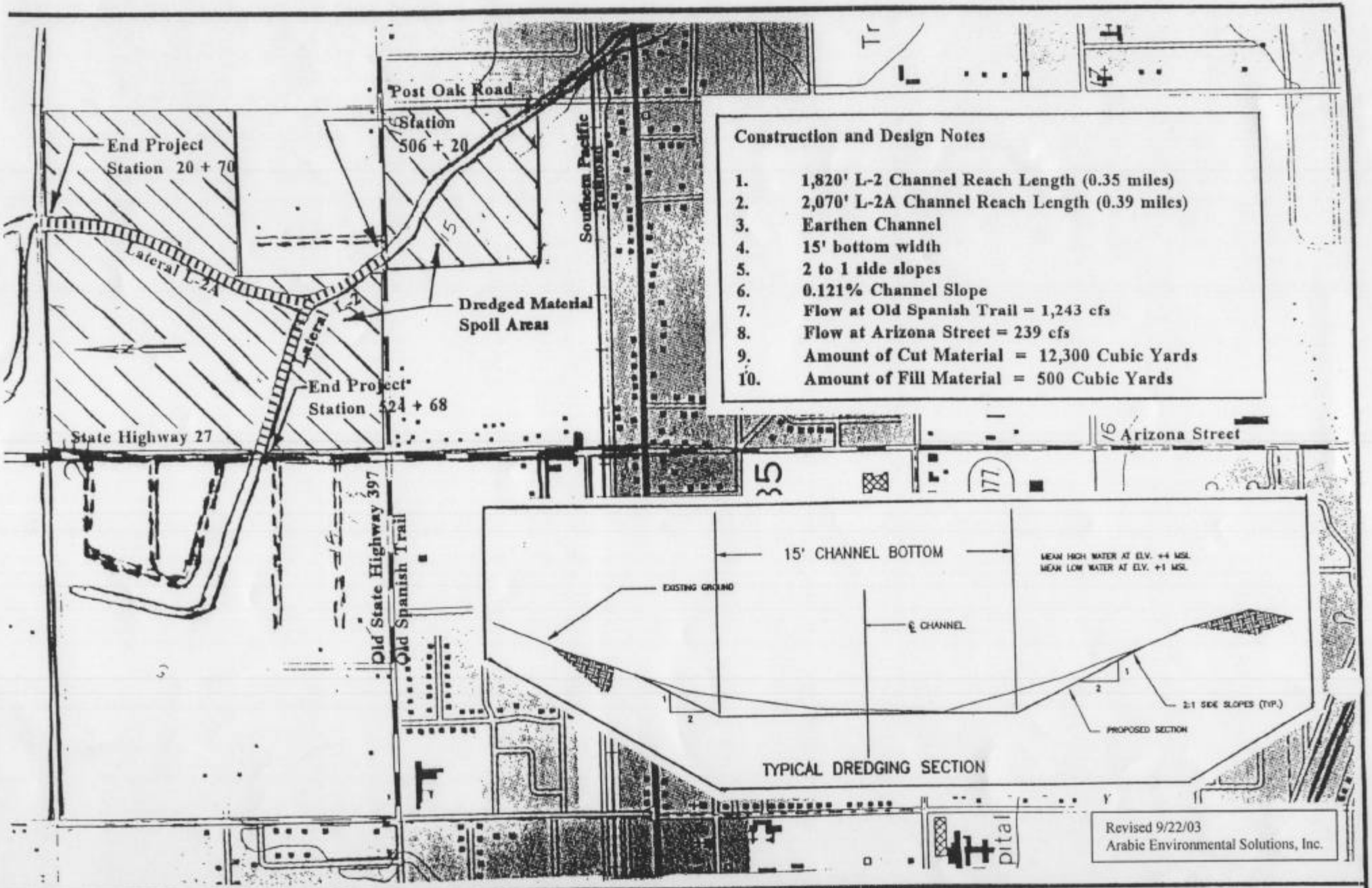
LATERAL L-2 CHANNEL IMPROVEMENTS

IN: W-3 MAIN, LATERAL L-2, LATERAL L-2A
AT: SULPHUR
PARISH OF: CALCASIEU STATE OF: LOUISIANA

APPLICATION BY: FIFTH GRAVITY DRAINAGE DISTRICT, WARD 4

SHEET 2 OF 4 DATE: 30 MARCH 1994



Construction and Design Notes

1. 1,820' L-2 Channel Reach Length (0.35 miles)
2. 2,070' L-2A Channel Reach Length (0.39 miles)
3. Earthen Channel
4. 15' bottom width
5. 2 to 1 side slopes
6. 0.121% Channel Slope
7. Flow at Old Spanish Trail = 1,243 cfs
8. Flow at Arizona Street = 239 cfs
9. Amount of Cut Material = 12,300 Cubic Yards
10. Amount of Fill Material = 500 Cubic Yards

PURPOSE: TO ALLEVIATE DRAINAGE AND FLOODING PROBLEMS

DATUM: MEAN SEA LEVEL

ADJACENT PROPERTY OWNERS: PLEASE SEE ATTACHMENT A

ARIZONA STREET AND OLD BRIMSTONE RAILROAD TO OLD SPANISH TRAIL

0 200' 500' 1000' 2000'

1" = 1000'

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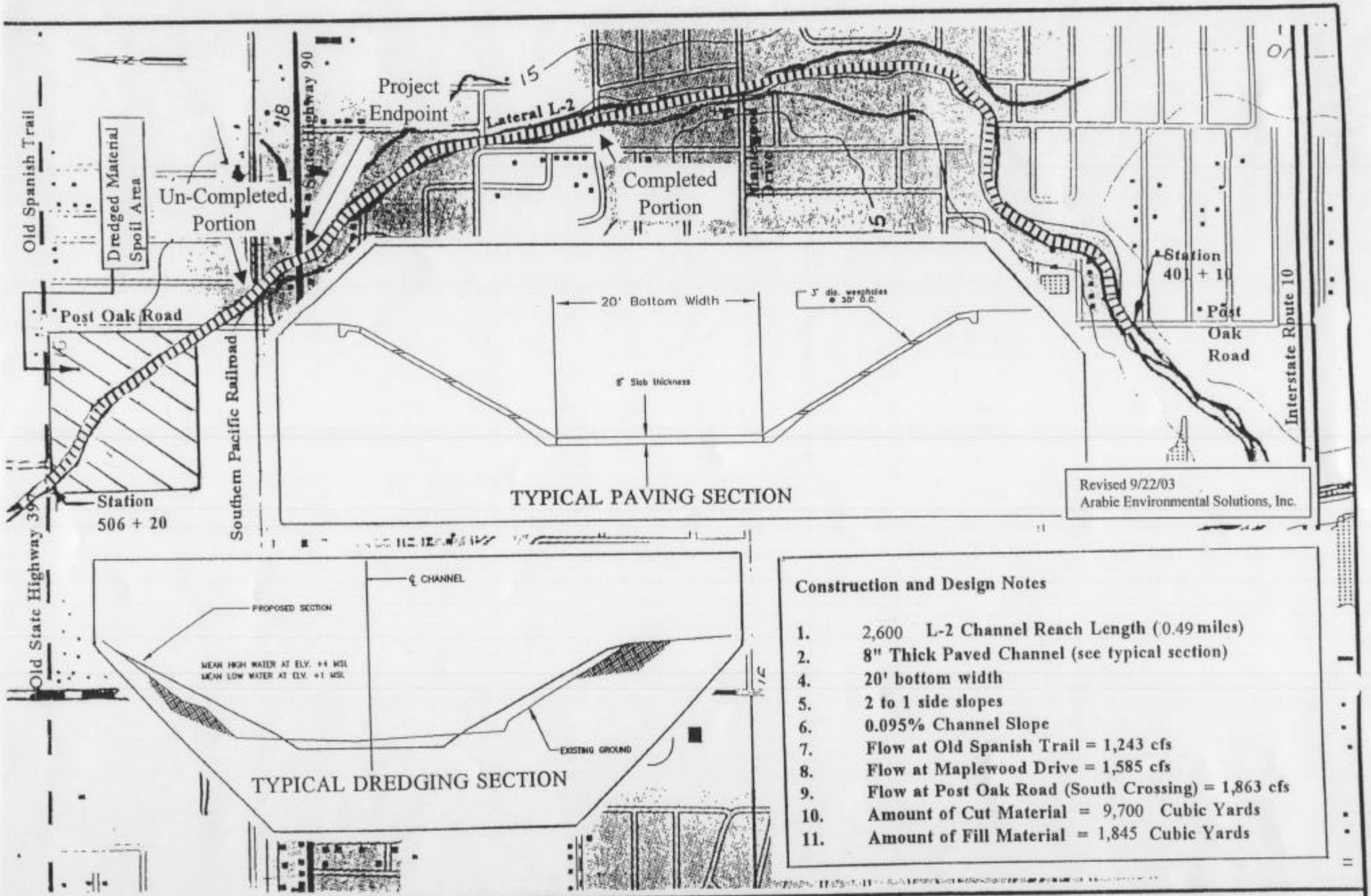
LATERAL L-2 CHANNEL IMPROVEMENTS

IN: W-3 MAIN, LATERAL L-2, LATERAL L-2A
AT: SULPHUR
PARISH OF: CALCASIEU STATE OF: LOUISIANA

APPLICATION BY: FIFTH GRAVITY DRAINAGE DISTRICT, WARD 4

SHEET 3 OF 4 DATE: 30 MARCH 1994



Construction and Design Notes

1. 2,600 L-2 Channel Reach Length (0.49 miles)
2. 8" Thick Paved Channel (see typical section)
4. 20' bottom width
5. 2 to 1 side slopes
6. 0.095% Channel Slope
7. Flow at Old Spanish Trail = 1,243 cfs
8. Flow at Maplewood Drive = 1,585 cfs
9. Flow at Post Oak Road (South Crossing) = 1,863 cfs
10. Amount of Cut Material = 9,700 Cubic Yards
11. Amount of Fill Material = 1,845 Cubic Yards

PURPOSE: TO ALLEVIATE DRAINAGE AND FLOODING PROBLEMS

DATUM: MEAN SEA LEVEL

ADJACENT PROPERTY OWNERS: PLEASE SEE ATTACHMENT A

OLD SPANISH TRAIL TO POST OAK ROAD

0 200' 500' 1000' 2000'

1" = 1000'

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SULPHUR, LOUISIANA

LATERAL L-2 CHANNEL IMPROVEMENTS

IN: W-3 MAIN LATERAL L-2, LATERAL L-2A
AT: SULPHUR
PARISH OF: CALCASIEU STATE OF: LOUISIANA

APPLICATION BY: FIFTH GRAVITY DRAINAGE DISTRICT, WARD 4

SHEET 4 OF 4 DATE: 30 MARCH 1994