DEC 0 3 2003

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SOURCE:

1. ARCENEAUX & GATES CONSULTING ENGINEERS, INC. (MAY 2003)
2. USGS 7.5 MINUTE SERIES QUADS:
   BEAUMONT EAST, TEXAS (1994)
   PINE FOREST, TEXAS (1993)

Horizon
Environmental Services, Inc.

0 500 1000
FEET

ORANGE COUNTY

SHEET 1 OF 6

VICINITY MAP
FIVE FINGERS MARSH
ENHANCEMENT PROJECT

ORANGE COUNTY DRAINAGE DISTRICT
ORANGE COUNTY, TEXAS

"Do Not Scale This Drawing"

DEC 0 3 2003

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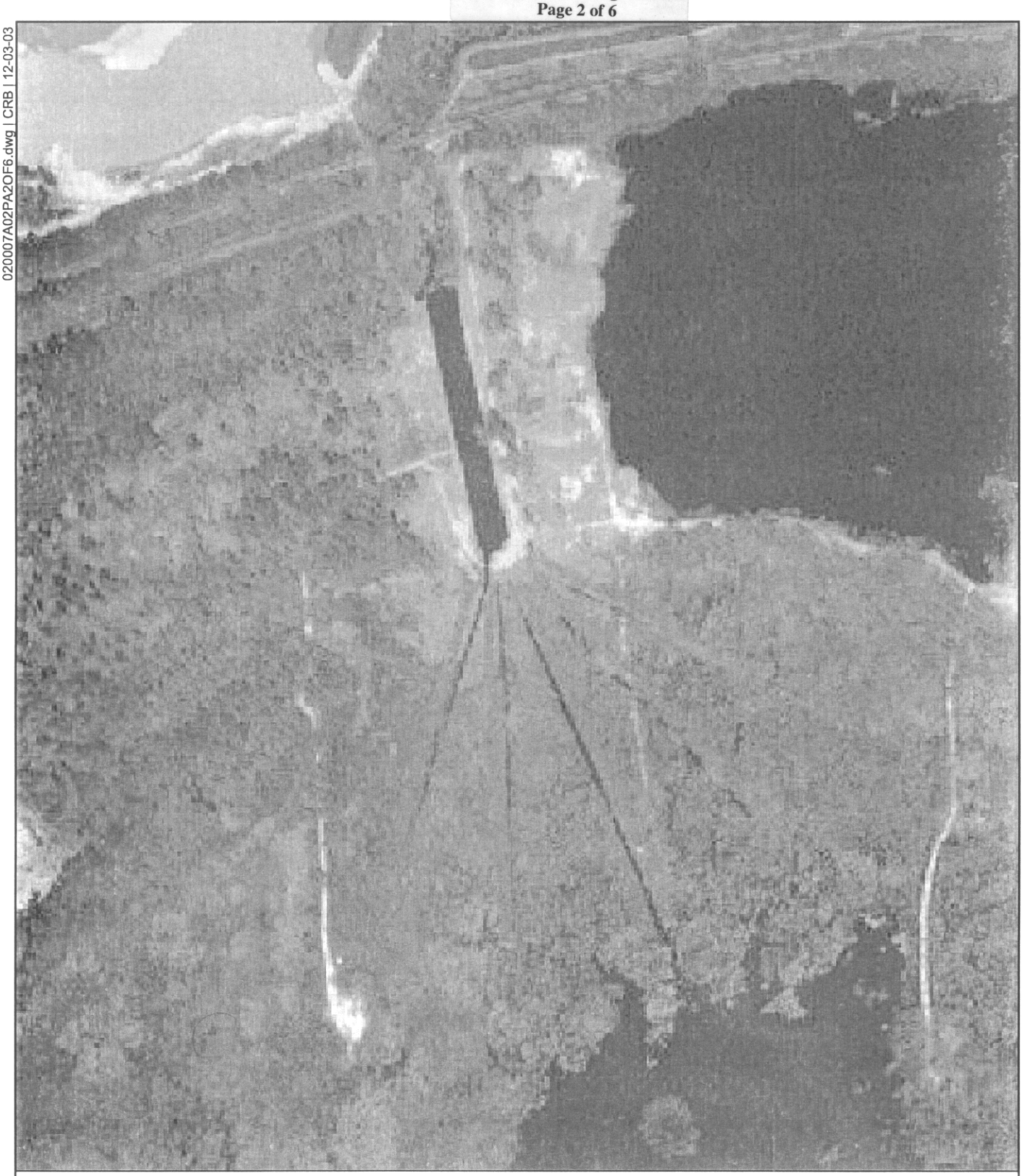

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SCALE IN FEET

SHEET 2 OF 6

AERIAL PHOTOGRAPH
FIVE FINGERS MARSH
ENHANCEMENT PROJECT

ORANGE COUNTY DRAINAGE DISTRICT
ORANGE COUNTY, TEXAS

Horizon
Environmental Services, Inc.

"Do Not Scale This Drawing"

TEXAS STATE PLANE, SOUTH CENTRAL ZONE, NAD 83

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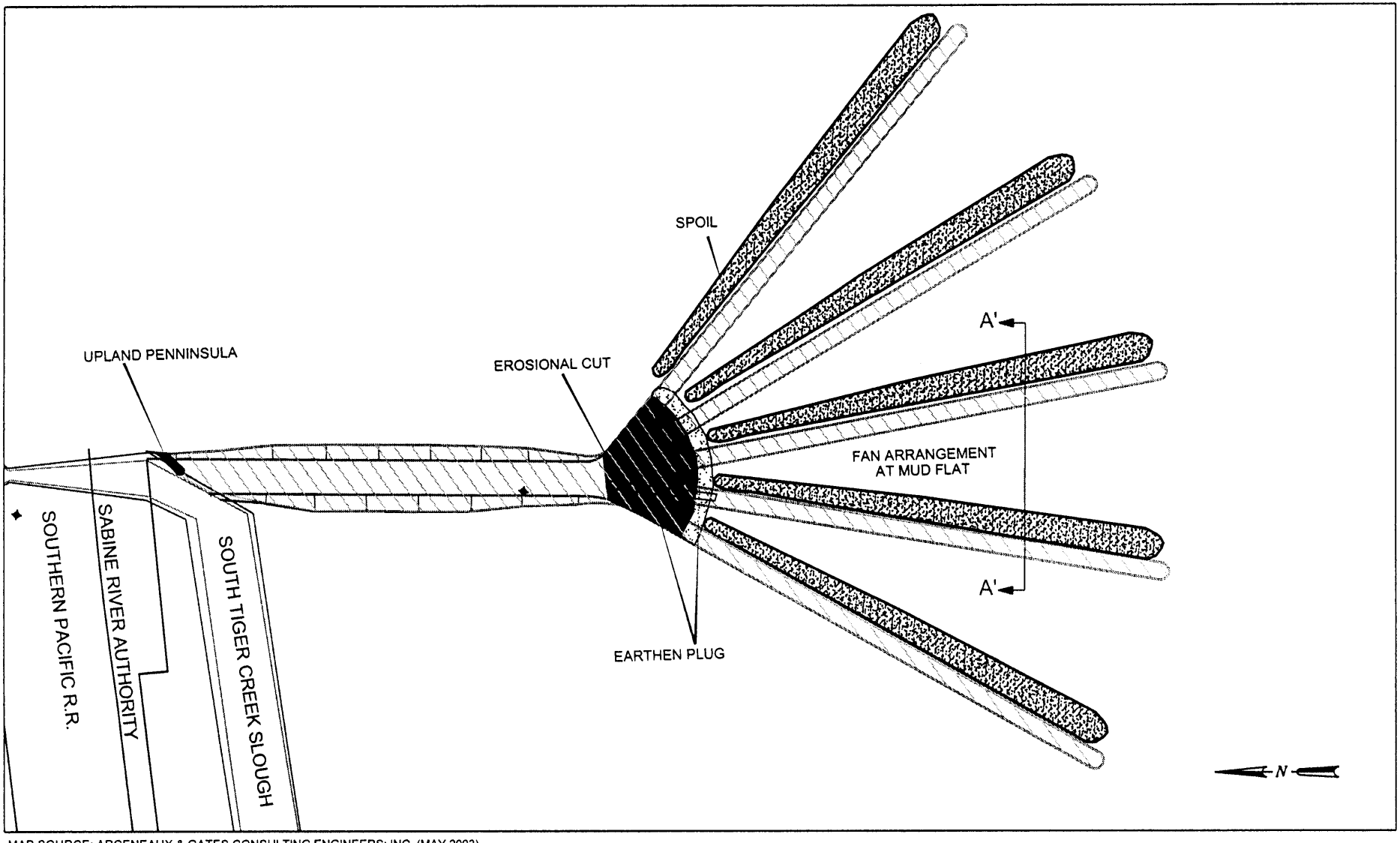

MAP SOURCE: ARCENEAUX & GATES CONSULTING ENGINEERS; INC. (MAY 2003)

EXPLANATION

- PROPOSED DREDGING IN MARSH
- PROPOSED DREDGING IN UPLANDS
- EXISTING SOUTH TIGER CREEK
- EXISTING DRAINAGE CHANNEL AND FIVE FINGERS
- SPOIL AREAS

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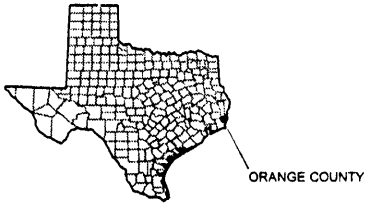
SCALE IN FEET



Horizon
Environmental Services, Inc.

SHEET 3 OF 6

EXISTING CONDITIONS PLAN VIEW
FIVE FINGERS MARSH
ENHANCEMENT PROJECT
ORANGE COUNTY DRAINAGE DISTRICT
ORANGE COUNTY, TEXAS

DEC 0 3 2003

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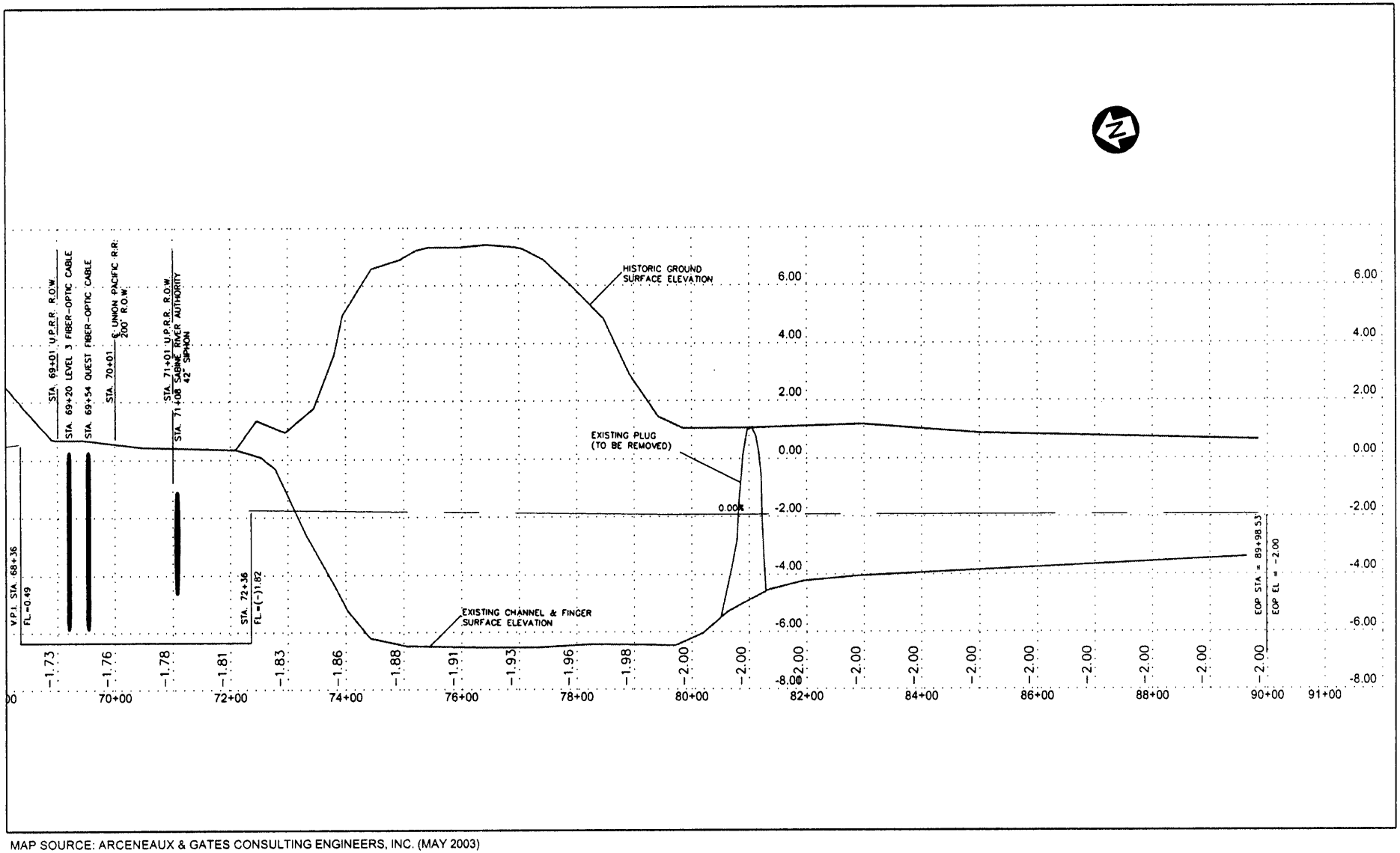
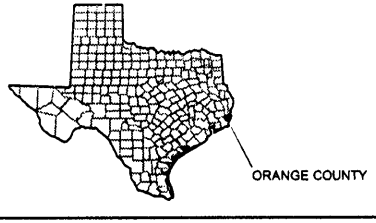


MAP SOURCE: ARCENEAUX & GATES CONSULTING ENGINEERS, INC. (MAY 2003)



SHEET 4 OF 6
PROFILE VIEW
SOUTH TIGER CREEK DRAINAGE
IMPROVEMENT PROJECT
ORANGE, ORANGE COUNTY, TEXAS

Horizon
Environmental Services, Inc.

DEC 0 3 2003

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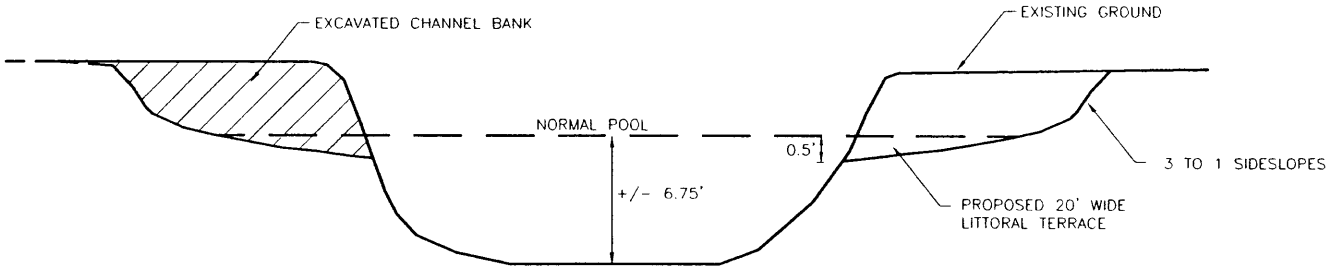
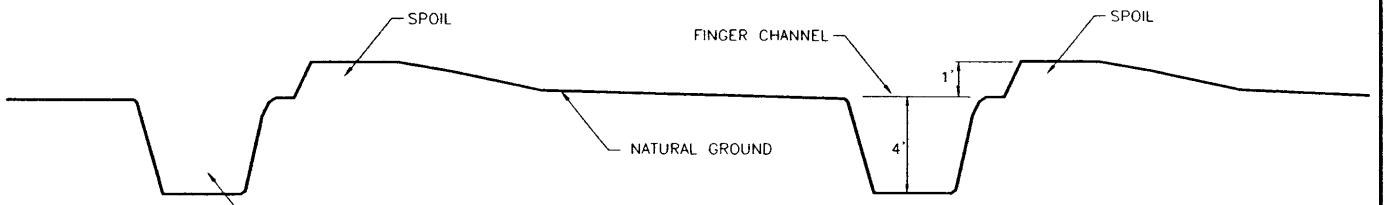


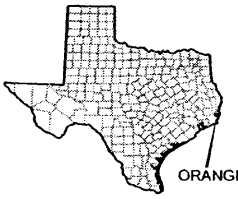
CONTRUCTED CHANNEL CROSS-SECTION
N.T.S.



SECTION 'A-A'
N.T.S.

"Do Not Scale This Drawing"

Horizon
Environmental Services, Inc.



SHEET 5 OF 6

CROSS SECTION DETAILS
FIVE FINGERS MARSH
ENHANCEMENT PROJECT

ORANGE COUNTY DRAINAGE DISTRICT
ORANGE COUNTY, TEXAS

TEXAS STATE PLANE, SOUTH CENTRAL ZONE, NAD 83

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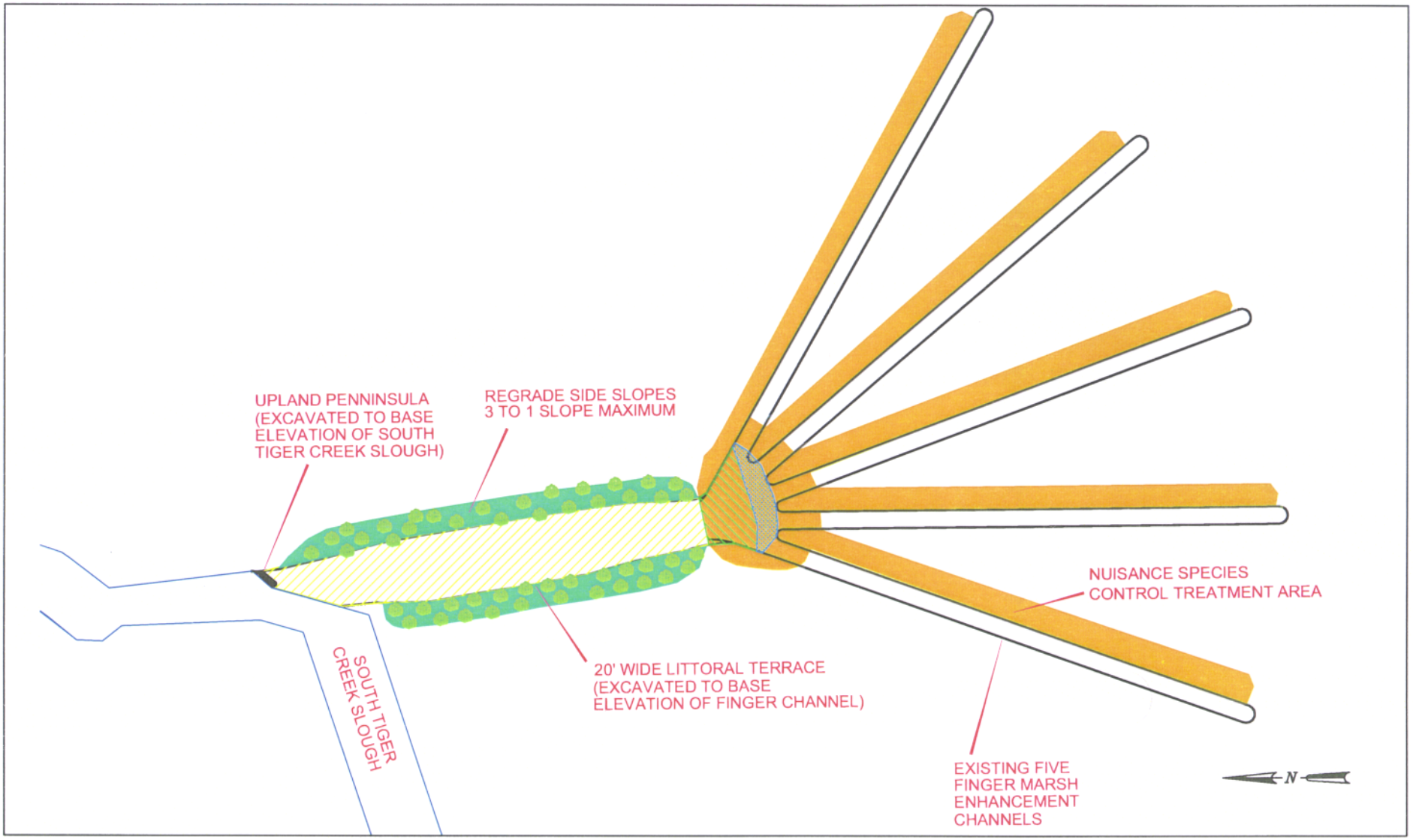

MAP SOURCE: ARCENEAUX & GATES CONSULTING ENGINEERS; INC. (MAY 2003)

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SCALE IN FEET

Horizon
Environmental Services, Inc.

LEGEND
- EXISTING SOUTH TIGER CREEK
- EXISTING CONSTRUCTED CHANNEL
- PROPOSED DREDGING (PLUG REMOVAL) IN UPLANDS
- PROPOSED DREDGING IN MARSH

SHEET 6 OF 6

PROPOSED MITIGATION EFFORTS
FIVE FINGERS MARSH
ENHANCEMENT PROJECT
ORANGE COUNTY DRAINAGE DISTRICT
ORANGE COUNTY, TEXAS

DEC 0 3 2003