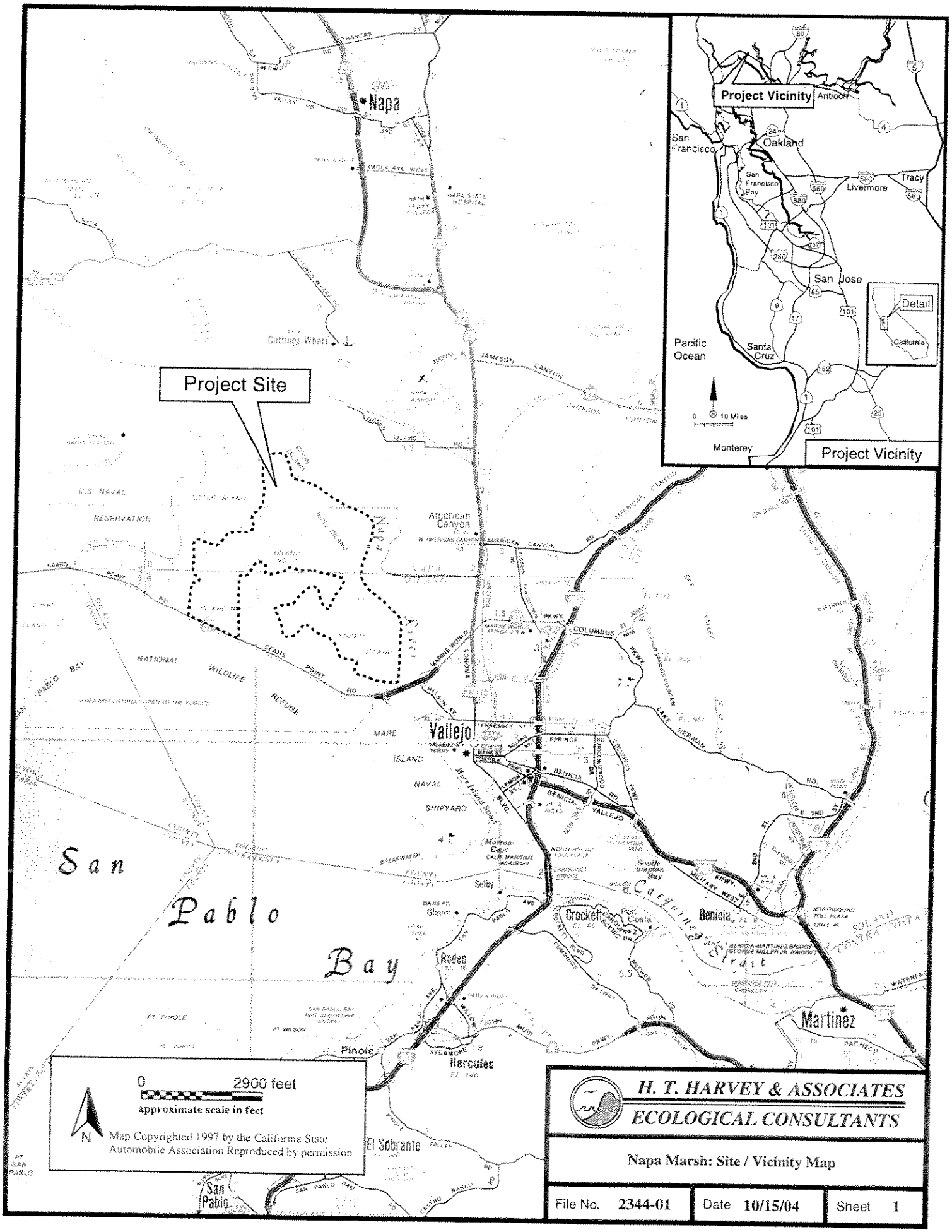

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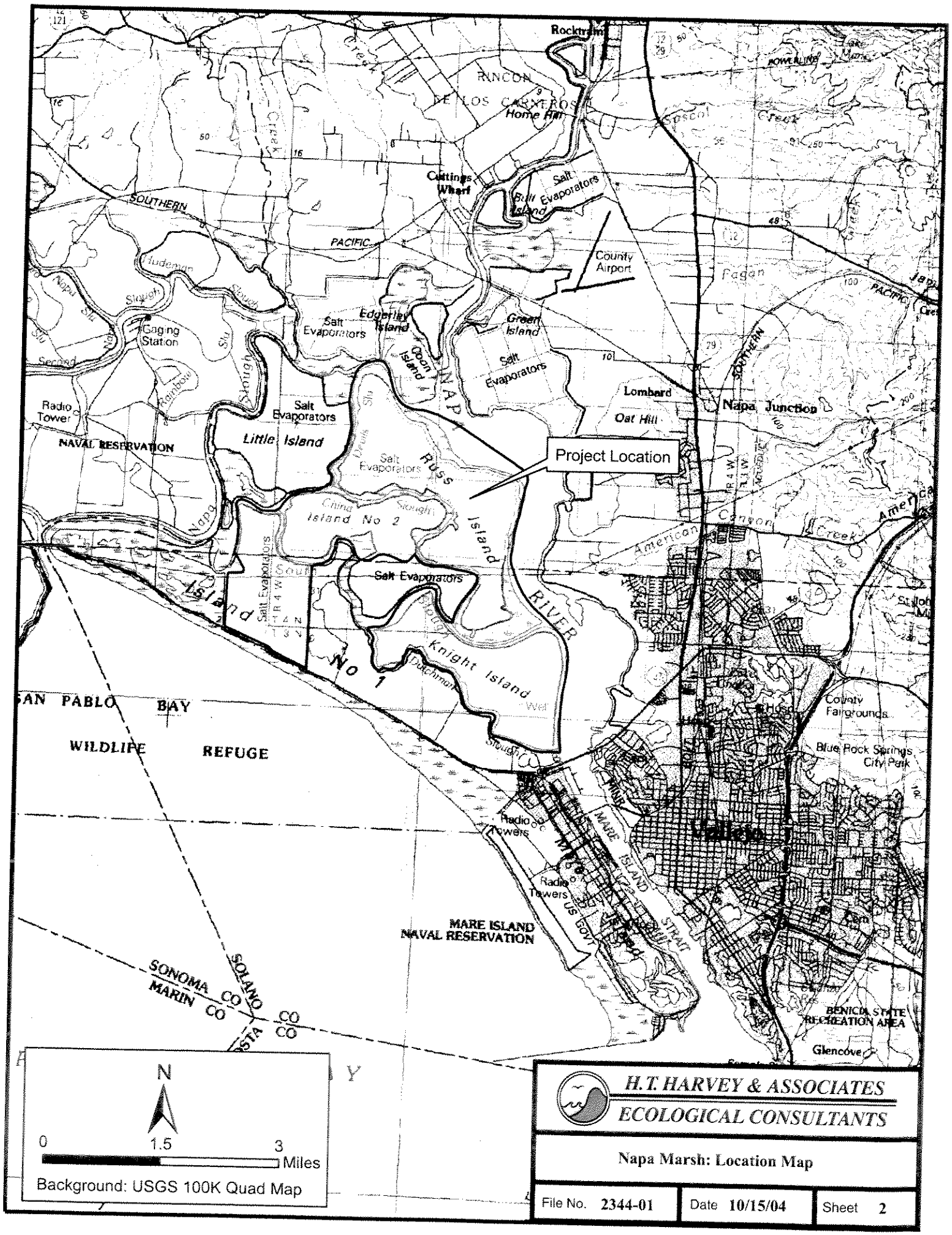
Napa Marsh: Site / Vicinity Map

File No. 2344-01	Date 10/15/04	Sheet 1



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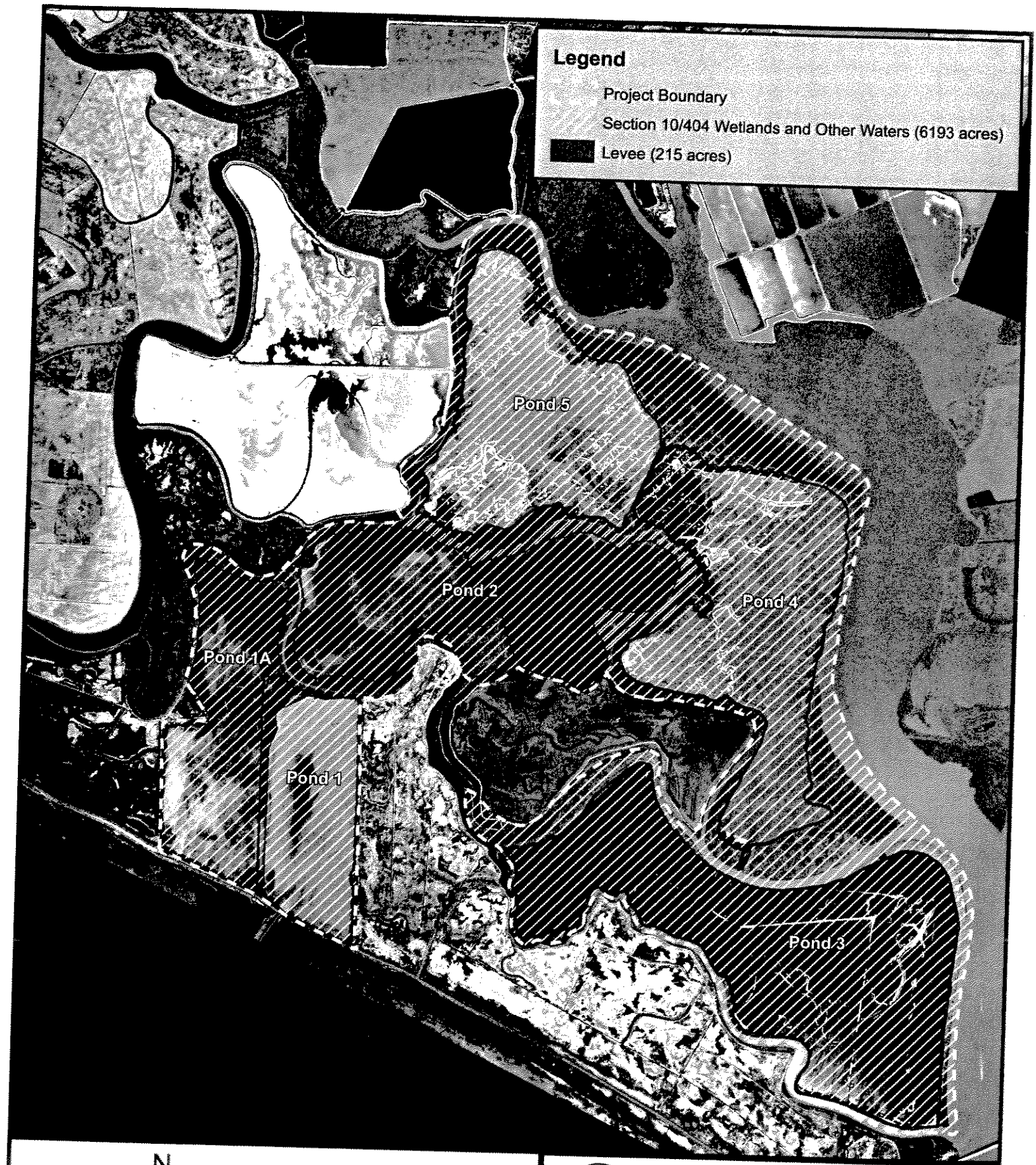
Napa Marsh: Location Map

File No. 2344-01	Date 10/15/04	Sheet 2



N

0 1,750 3,500 7,000 Feet

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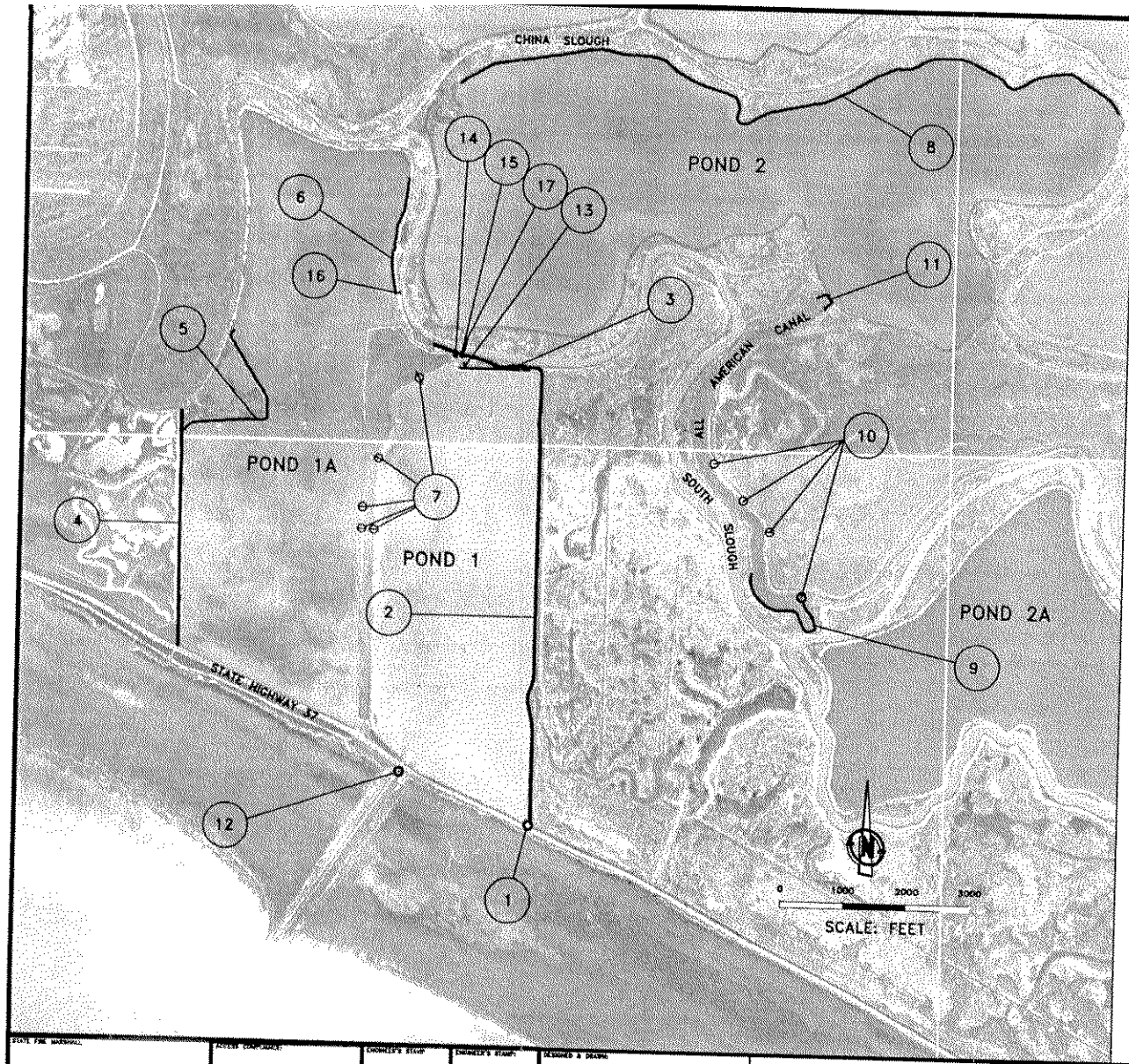
Napa Marsh: Potential Waters of the U.S.

File No. 2344-01	Date 10/15/04	Sheet 3



PROPOSED SCOPE OF WORK
PONDS 1, 1A, 2, & ALL AMERICAN CANAL

1. REPAIR PARKING LOT at HIGHWAY 37
2. REPAIR POND 1 EASTERLY SERVICE ROAD (8850')
3. REPAIR/REINFORCE POND 1 NORTH LEVEE (1340')
4. REPAIR POND 1A WESTERLY SERVICE ROAD (3680')
5. REPAIR/REINFORCE POND 1A WEST LEVEE 1695')
6. REPAIR/REINFORCE POND 1A EAST LEVEE (1870')
7. POND 1/1A LEVEE INTERIOR LEVEE BREACHES (5 EA)
8. POND 2 REPAIR/ REINFORCE NORTH LEVEE (11,680')
9. ALL AMERICAN CANAL LEVEE LOWERING (2000')
10. ALL AMERICAN CANAL LEVEE BREACHES (4 EA)
11. ALL AMERICAN CANAL NORTH LEVEE REINFORCEMENT (530')
12. REPAIR/REPLACE TIDE GATE STRUCTURE
13. INSTALL 36"X75' HDPE PIPE POND 1 TO BASIN
14. INSTALL 48"X60' HDPE PIPE POND 1A TO BASIN
15. INSTALL 48"X80' HDPE PIPE SOUTH SLOUGH TO BASIN
16. INSTALL 48"X80' HDPE PIPE POND 1A TO SOUTH SLOUGH
17. INSTALL 54" HDPE SLEEVE INTO EXISTING 73"X 300' PIPE FROM POND 2 TO BASIN

STATE FIRE MARSHAL | ACCESS COMPLIANCE | ENGINEER'S STAMP

DESIGNED & DRAWN: RD SMITH
CHECKED: R.G. BENSON
APPROVED: R. G. BENSON

STATE OF CALIFORNIA
THE RESOURCES AGENCY
Department of Fish and Game
ENGINEERING SECTION

NAPA SONOMA MARSHES WILDLIFE AREA
NAPA COUNTY
Napa Sonoma Marsh Restoration
CENTRAL COAST REGION

SHEET 1
DRAWING NUMBER

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Napa Marsh: Ponds 1, 1A and 2 Proposed Improvements

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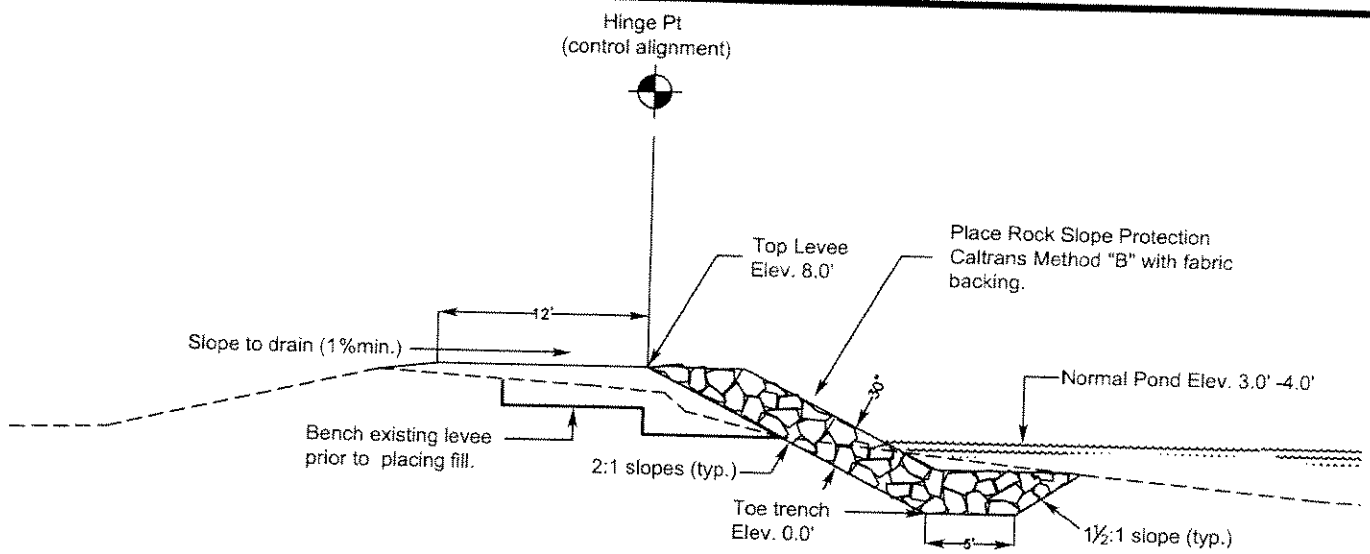
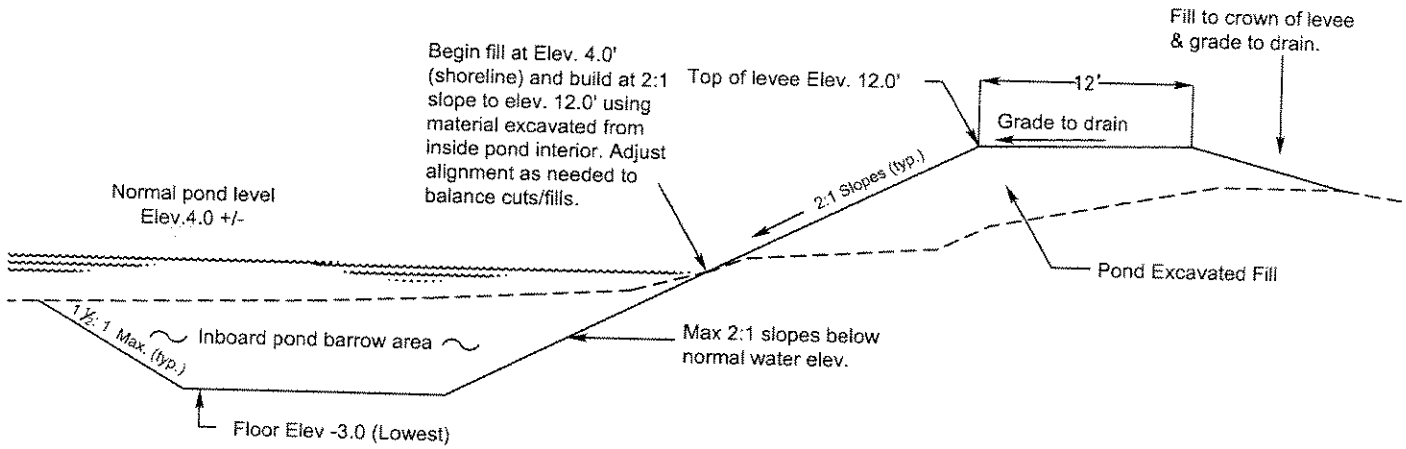


TYPICAL REINFORCED LEVEE SECTION

(PONDS 1&1A)

SCALE: 1"= 10'



TYPICAL NON-REINFORCED LEVEE SECTION

(PONDS 1A, 2 & ALL AMERICAN CANAL)

SCALE: 1"= 10'

State of California The Resources Agency Department of Fish and Game Engineering Section	Napa Sonoma Marshes Wildlife Area Napa Marsh Restoration Project Central Coast Region Napa County	Page Number T-1

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Napa Marsh: Typical Levee Section

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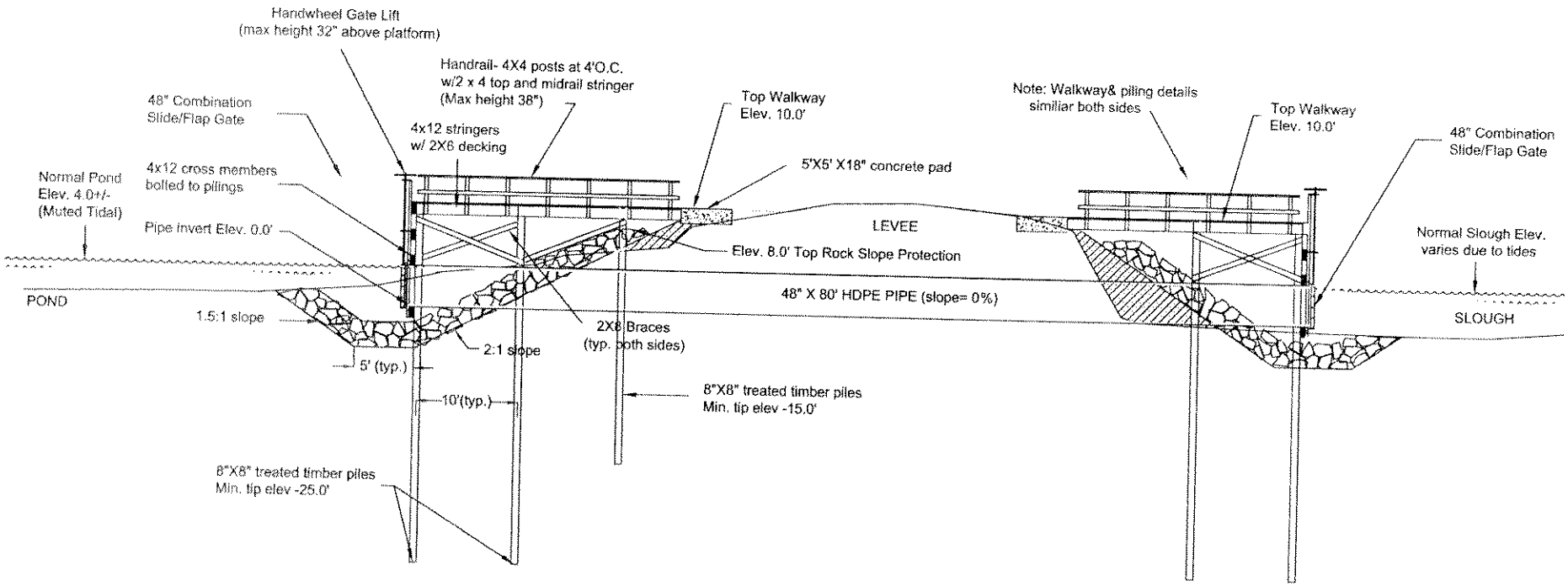

TYPICAL WATER CONTROL STRUCTURE

SCALE:1"=10"

DESIGNED & DRAWN R. SMITH Date 10/27/04
CHECKED R. BENSON Date
APPROVED R. G. BENSON Date

STATE OF CALIFORNIA
THE RESOURCES AGENCY
Department of Fish and Game
ENGINEERING SECTION

NAPA SONOMA MARSHES WILDLIFE AREA
NAPA COUNTY
Napa Marshes Restoration Project
CENTRAL COAST REGION REGION

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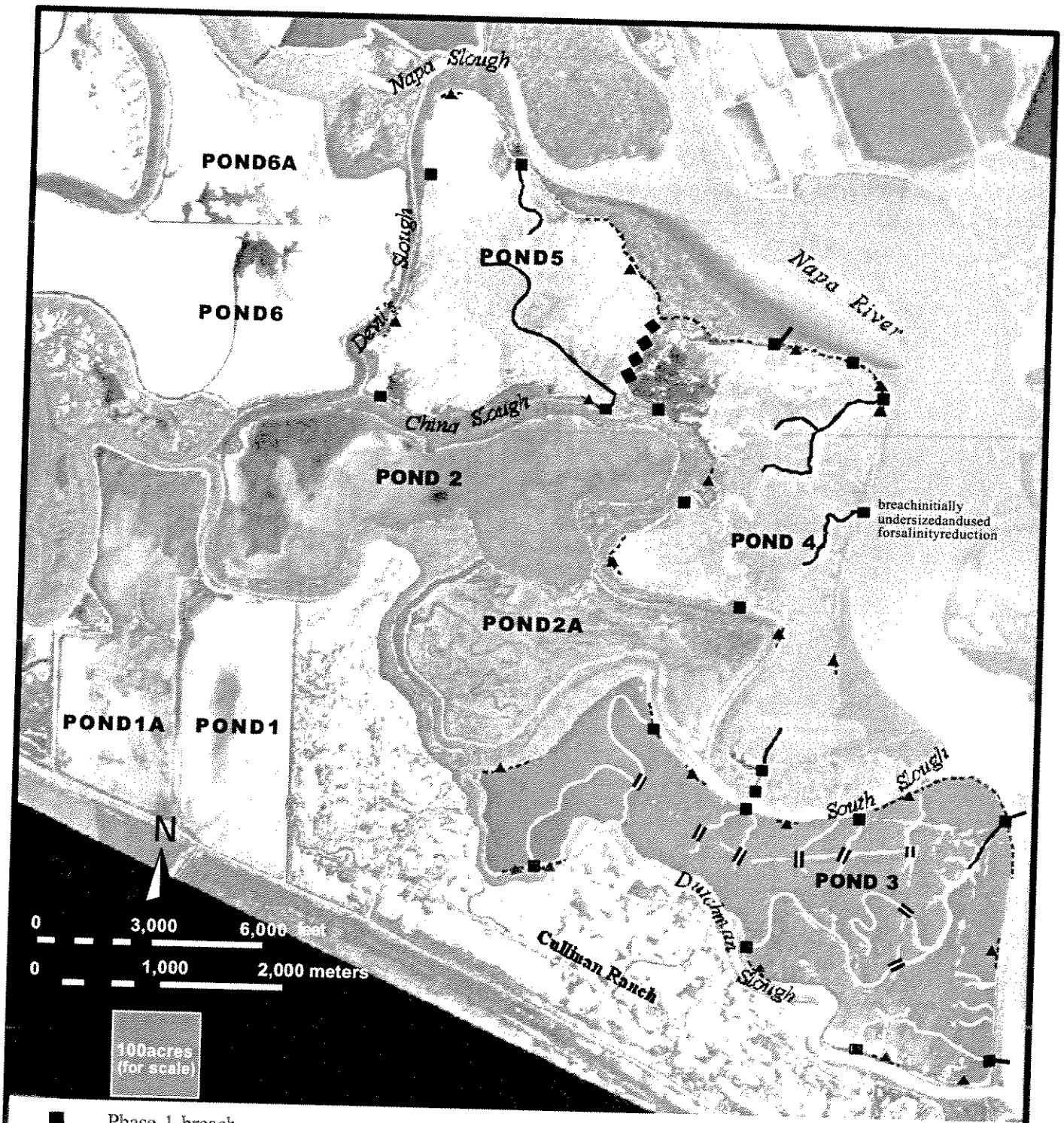
Napa Marsh: Typical Water Control Structure

File No. 2344-01	Date 10/15/04	Sheet 6



Phase 1 breach

expectedchanneldevelopment/excavation

starterchannel / berm

pilotchannel

channel connector

Phase 1 ditchblock

futureditchblock

lowered levee

future breach

maintain/enlargeexisting breach

Notes: Futurebreachesandditch blocksconstructedalongDutchmanSlough. FurtherchanneldevelopmentisexpectedinPonds4&5followingrestoration.

NapaSaltMarshRestoration-PhaseIImplementation

Revised Conceptual Wetland Design for Ponds 3, 4 and 5

PWA

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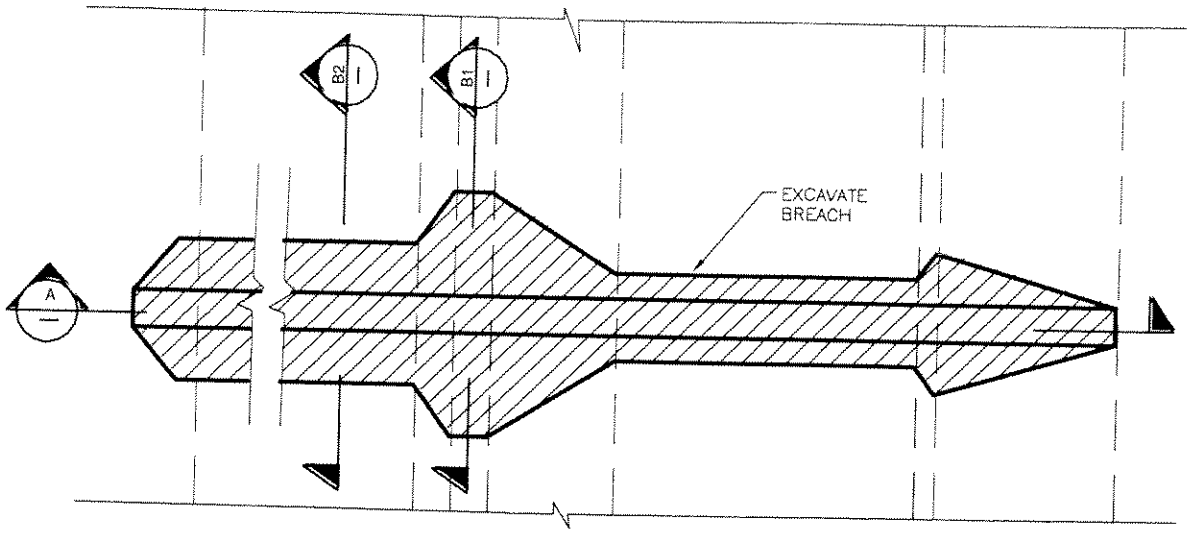
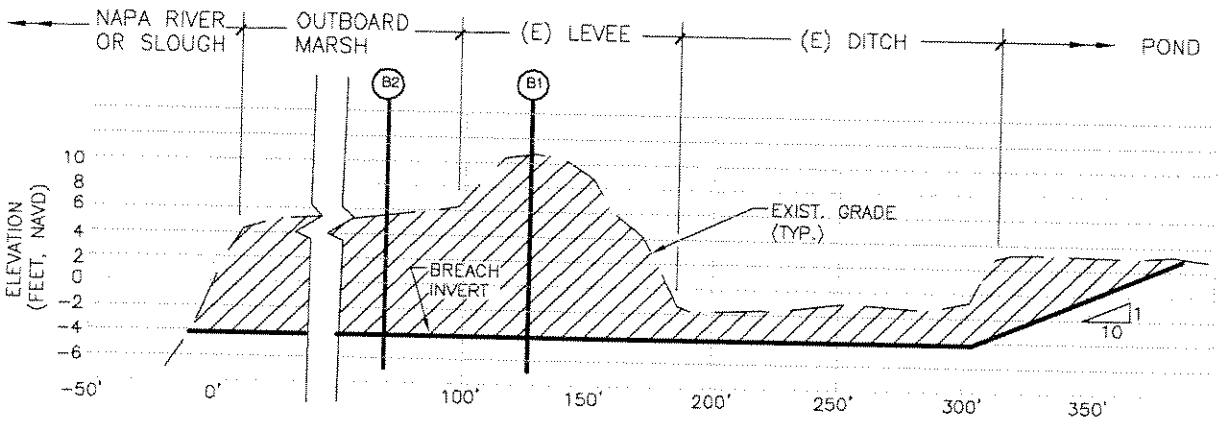
Napa Marsh: Ponds 3, 4 and 5 Proposed Improvements

File No. 2344-01	Date 10/15/04	Sheet 7



PLAN VIEW

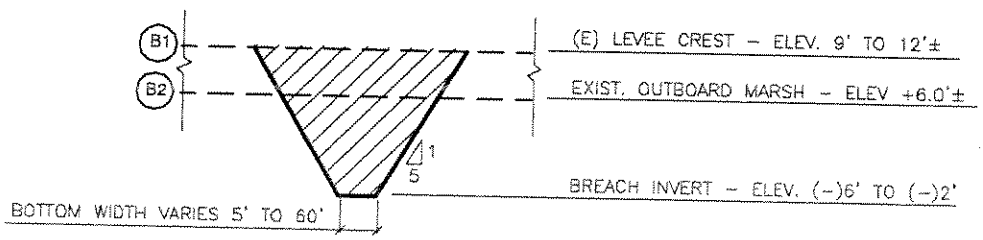
N.T.S.



A

BREACH PROFILE

N.T.S.



B

TYPICAL SECTION

N.T.S.

figure 1

Napa River Salt Marsh Restoration
Schematic Breach Geometry

PWA

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Napa Marsh: Schematic Breach Geometry

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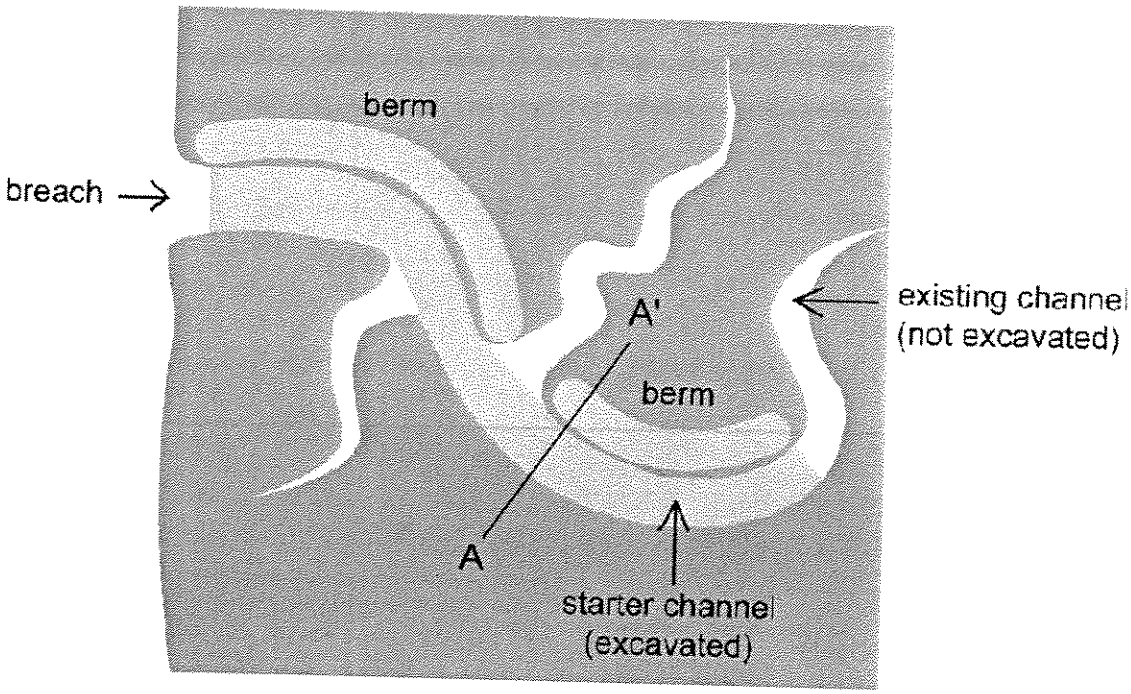
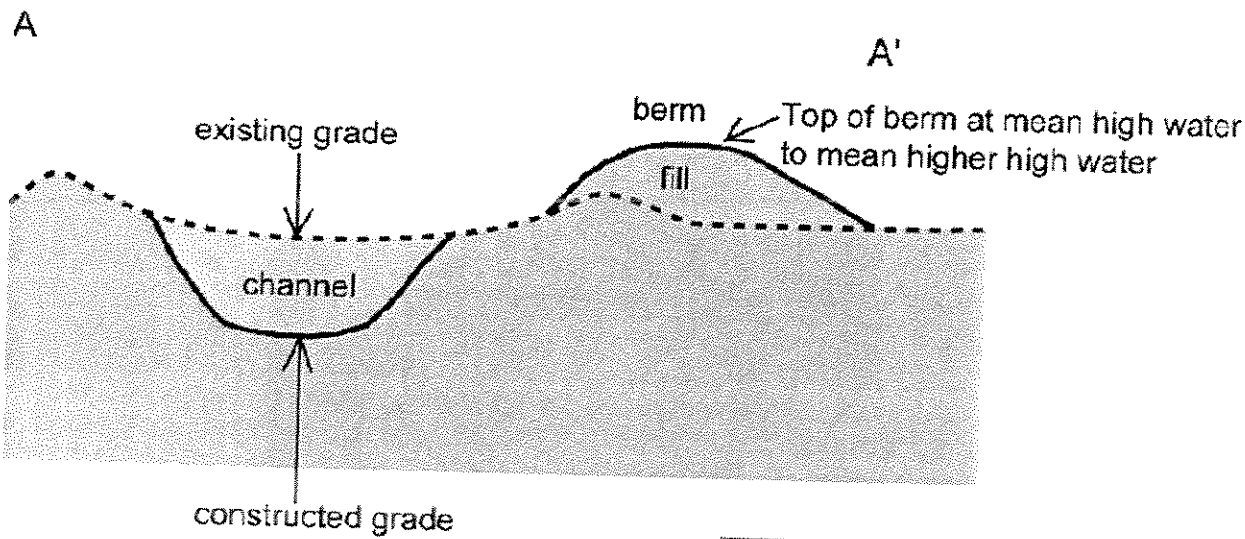
PLAN VIEW LAYOUT



ELEVATION VIEW



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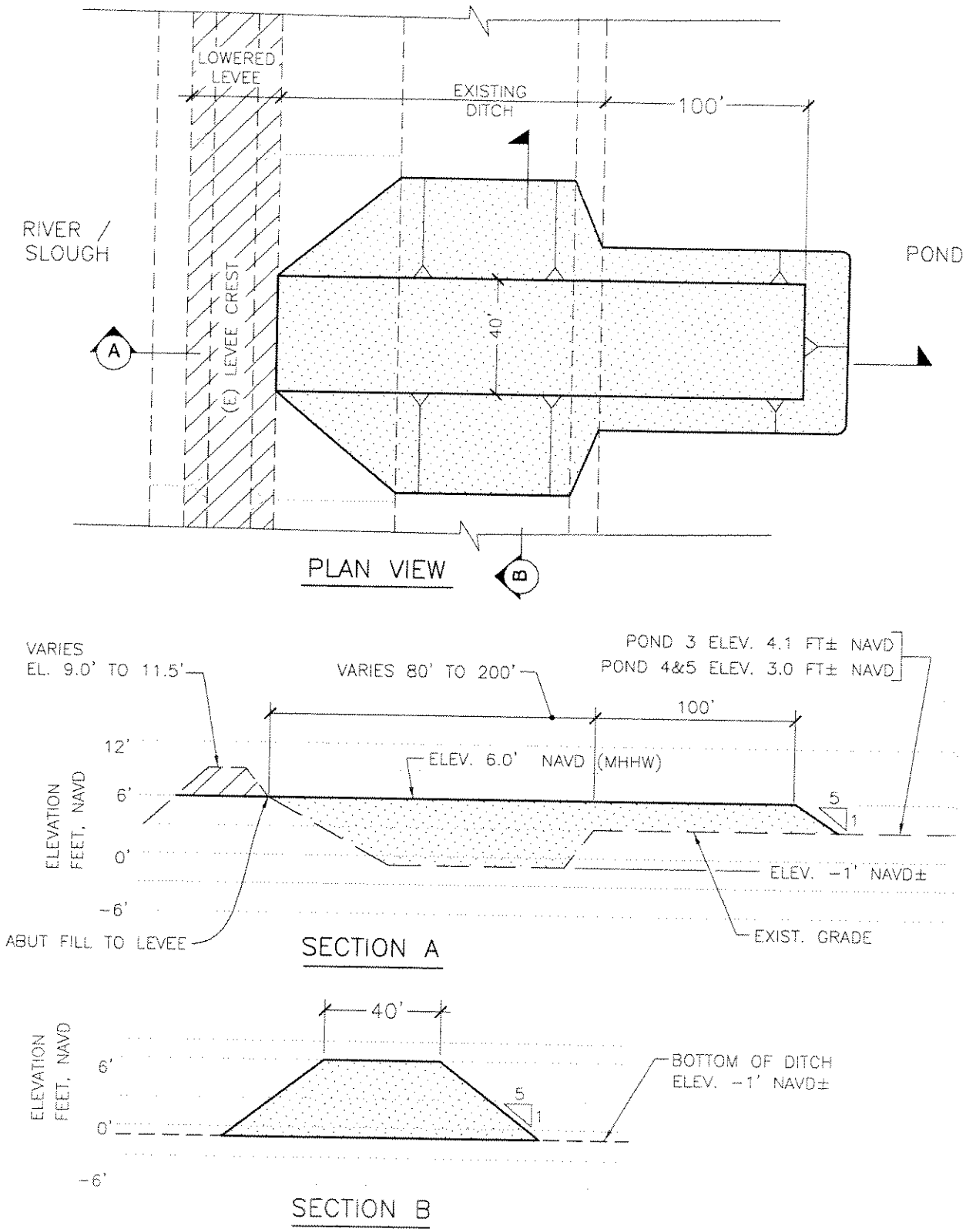
Napa Marsh: Schematic of Starter Channel and Berm

File No. 2344-01	Date 10/15/04	Sheet 9



PWA

figure 3

Napa River Salt Marsh Restoration
Schematic Ditch Block Geometry

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Napa Marsh: Schematic of Ditch Block Geometry

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