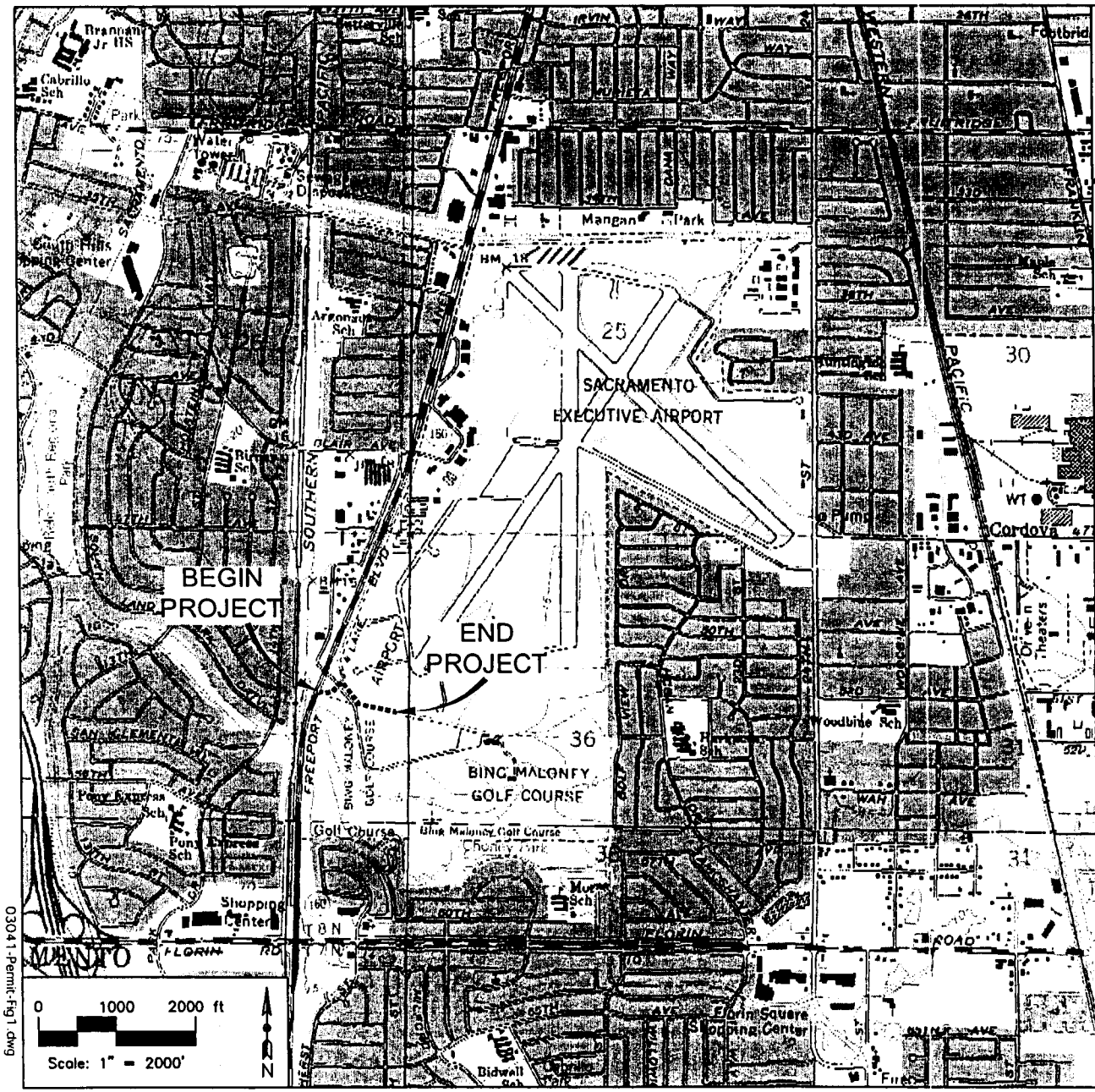
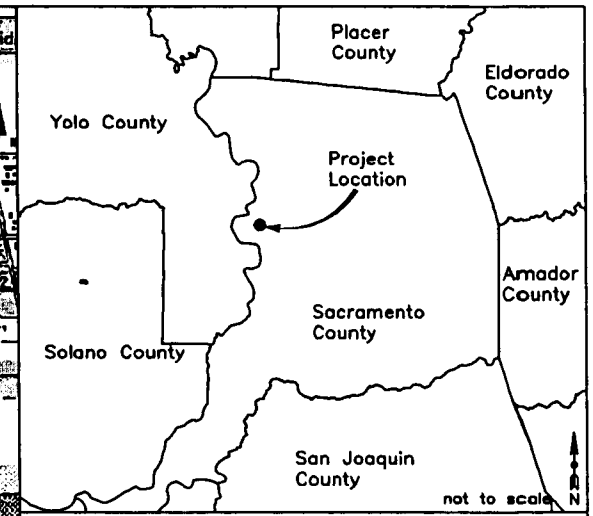




Section 404 Individual Permit
for Executive Airport Ditch Lining
City of Sacramento, CA
11 March 2005

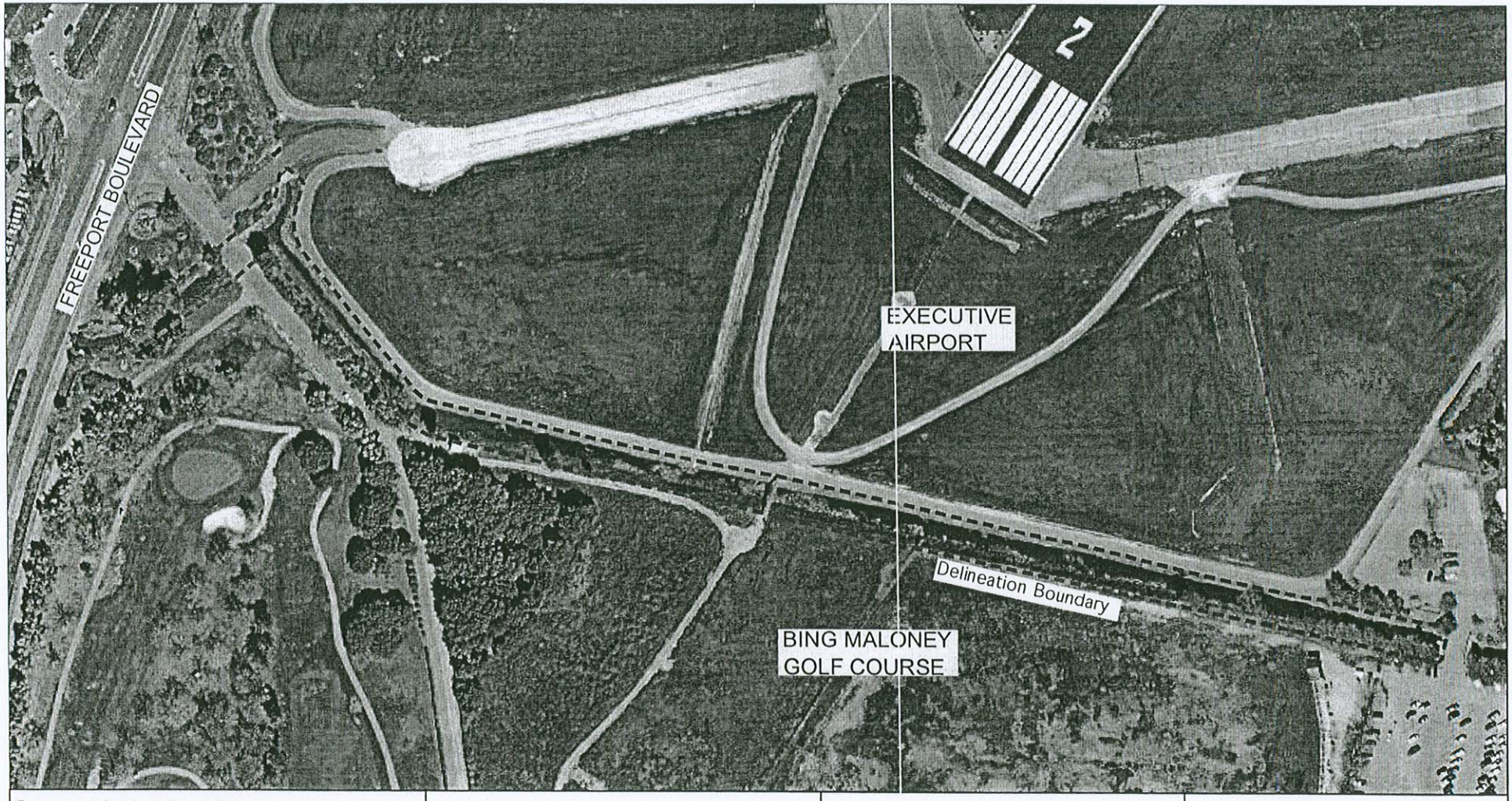
Figure 1.
Project Location Map

Project Location

SYCAMORE
Environmental
Consultants, Inc.

Basemap:
Sacramento West, Sacramento East, Clarksburg, and
Florin, CA USGS 7.5' Quadrangles Teale Data Center
DRG, Photorevised 1980

03041-Permit-Fig1.dwg



Section 404 Individual Permit
for Executive Airport Ditch Lining
Corps Regulatory #200500197
City of Sacramento, CA
27 May 2005

Figure 3.
Aerial Photograph of Delineation Boundary

Delineation Boundary

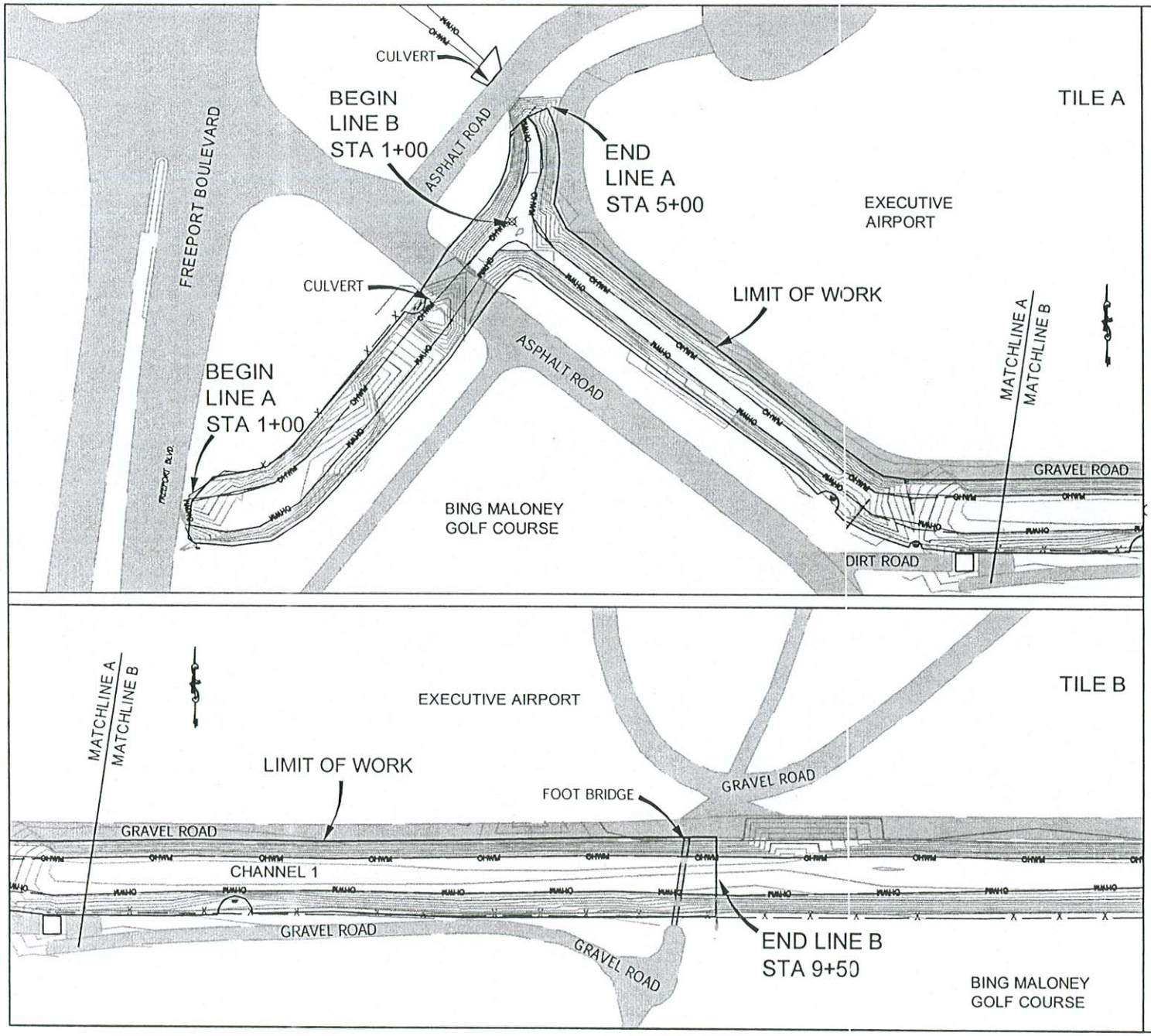
0 100 200 ft
Scale: 1" = 200'

N

SYCAMORE
Environmental
Consultants, Inc.

Basemap:
City of Sacramento
Department of Utilities,
color image
1 March 2002

03041-BIODEL-Fig5.dwg



Section 404 Individual Permit
for Executive Airport Ditch Lining
Corps Regulatory #200500197
City of Sacramento, CA
27 May 2005

Figure 2.
Project Map - Revised

LEGEND:

Ordinary High Water Mark (OHWM)

Limit of work

Tree to Remain

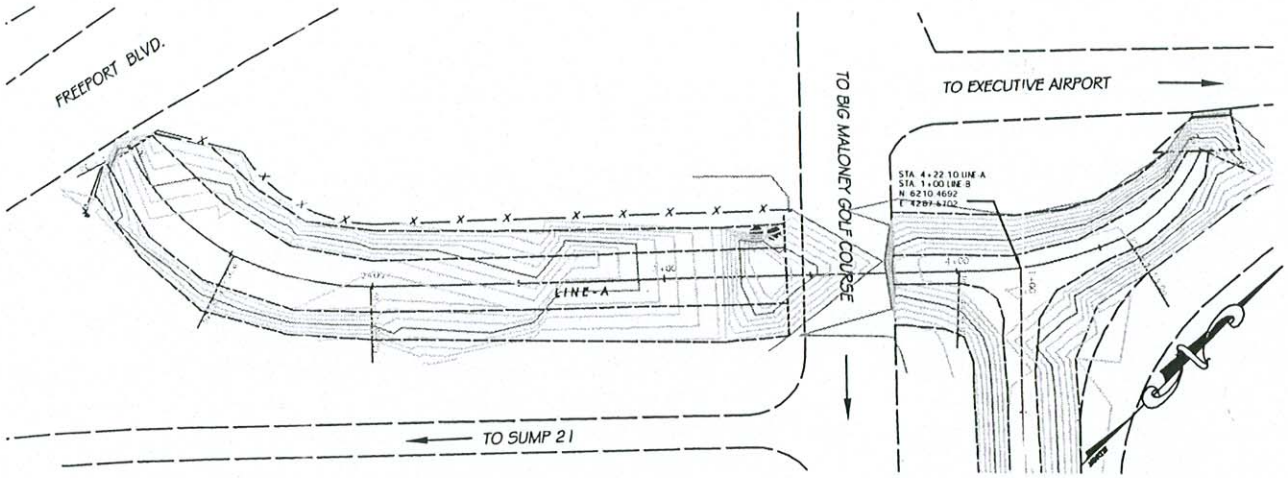
0 50 100 ft

Scale: 1" = 100'

SYCAMORE Environmental Consultants, Inc.

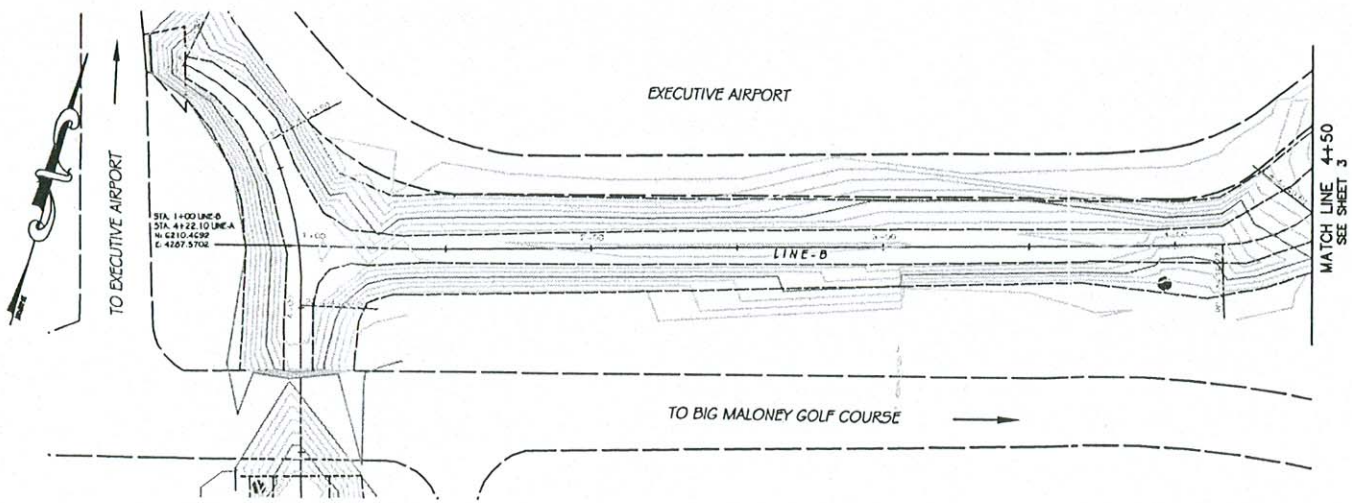
Basemap: Biological Resource and Jurisdictional Delineation Map, 2004 Sycamore Environmental; WM46BASE.dwg, City of Sacramento Department of Utilities

03041-REVISED_permit-Fig2.dwg



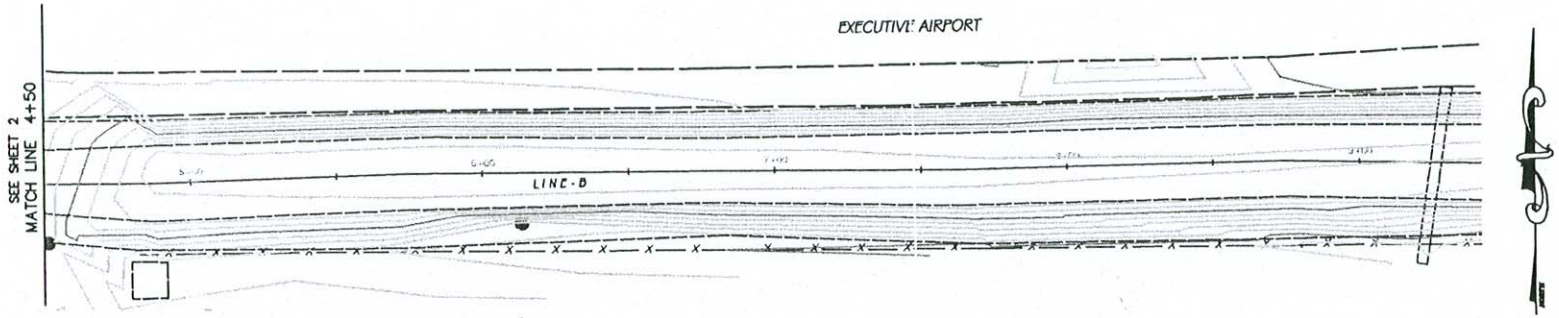
NOTES:

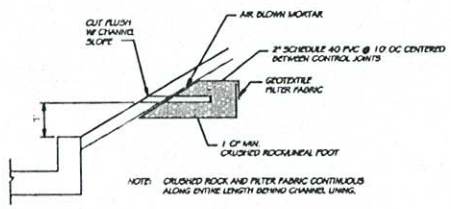
1. ANY CAVITIES OR HOLES SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
2. CONTRACTOR TO MATCH LINING TO EXISTING.
3. DIMENSIONS ARE LISTED ON THE SITE PLAN AS TO HOW CLOSE TO THE CL OF THE TREE CONCRETE WILL BE INSTALLED.
4. ALL ROOTS SHALL BE CUT CLEAN. ANY ROOTS GREATER THAN 2-INCHES IN DIAMETER REQUIRE AN INSPECTION BY AN ISA (INTERNATIONAL SOCIETY OF ARBORICULTURE) CERTIFIED ARBORIST PRIOR TO SEVERING.
5. ANY PRUNING REQUIRED FOR EQUIPMENT CLEARANCE SHALL BE COMPLETED BY AN ISA CERTIFIED ARBORIST.
6. THE CONTRACTOR SHALL BE HELD LIABLE FOR ANY DAMAGE TO EXISTING TREES I.E. TRUNK WOUNDS, BROKEN LIMBS, POURING ANY DELETERIOUS MATERIALS OR WASHING OUT CONCRETE UNDER THE DRIP LINE OF THE TREE. DAMAGES WILL BE ASSESSED USING THE "GUIDE TO PLANT APPRAISAL" NINTH EDITION PUBLISHED BY THE ISA. AFTER CONSTRUCTION IS COMPLETED THE CONTRACTOR WILL HIRE AN ISA CERTIFIED ARBORIST TO DO THE APPRAISAL AND SUBMIT A REPORT FOR REVIEW BY THE CITY ARBORIST.
7. EXPANSION JOINTS @ 30' CENTERS, CONTRACTION JOINTS @ 10' CENTERS.
8. CONSTRUCT EXPANSION JOINT BETWEEN NEW CONCRETE LINING AND STRUCTURE AND PIPELINES.



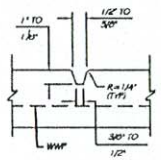
PN: WM46	REVISIONS	BENCH MARK ELEV 15.203 DESCRIPTION BM 317-87D	FIELD BOOK 1427 SCALE: H. 1"=20' V. 1"=2'	1" ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"	CITY OF SACRAMENTO DEPARTMENT OF UTILITIES DRAWN BY: R. JORDAN DATE: JUNE 04 DESIGNED BY: W. PETERSON R.C.E. NO. ____ DATE: JUNE 04 CHECKED BY: A. HUNT R.C.E. NO. 30513 DATE: JUNE 04	IMPROVEMENT PLANS FOR EXECUTIVE AIRPORT CHANNEL LINING PROJECT PLAN VIEW	PLANNING NO. P00 000 PN: WM46 WATER DWG NO. GIS GRID NO. 0013	DWG. NO. C-2 SHEET 2 OF XX

PN: WM46 EXECUTIVE AIRPORT CHANNEL LINING PROJECT

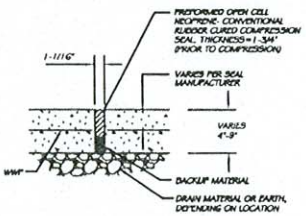




WEEP HOLE
NOT TO SCALE



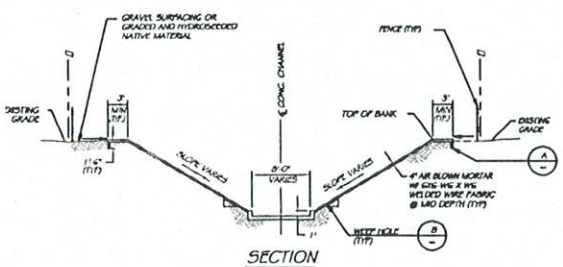
CONTRACTION JOINT DETAIL
NOT TO SCALE



EXPANSION JOINT DETAIL
NOT TO SCALE

MATCH LINING TO EXISTING
NOT TO SCALE

LINING AROUND TREES
NOT TO SCALE



SECTION
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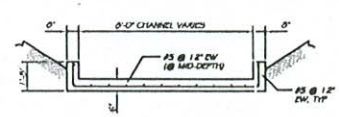
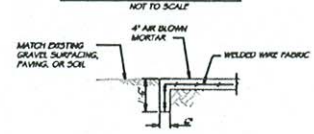


CHANNEL SLAB DETAIL
NOT TO SCALE



LIMIT OF AIR BLOWN MORTAR
NOT TO SCALE

PN: WM46

REVISIONS

BENCH MARK ELEV 15.203
DESCRIPTION BM 317-B7D

FIELD BOOK 1427
SCALE: H: 1"=20' V: 1"=2'

1"
ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"

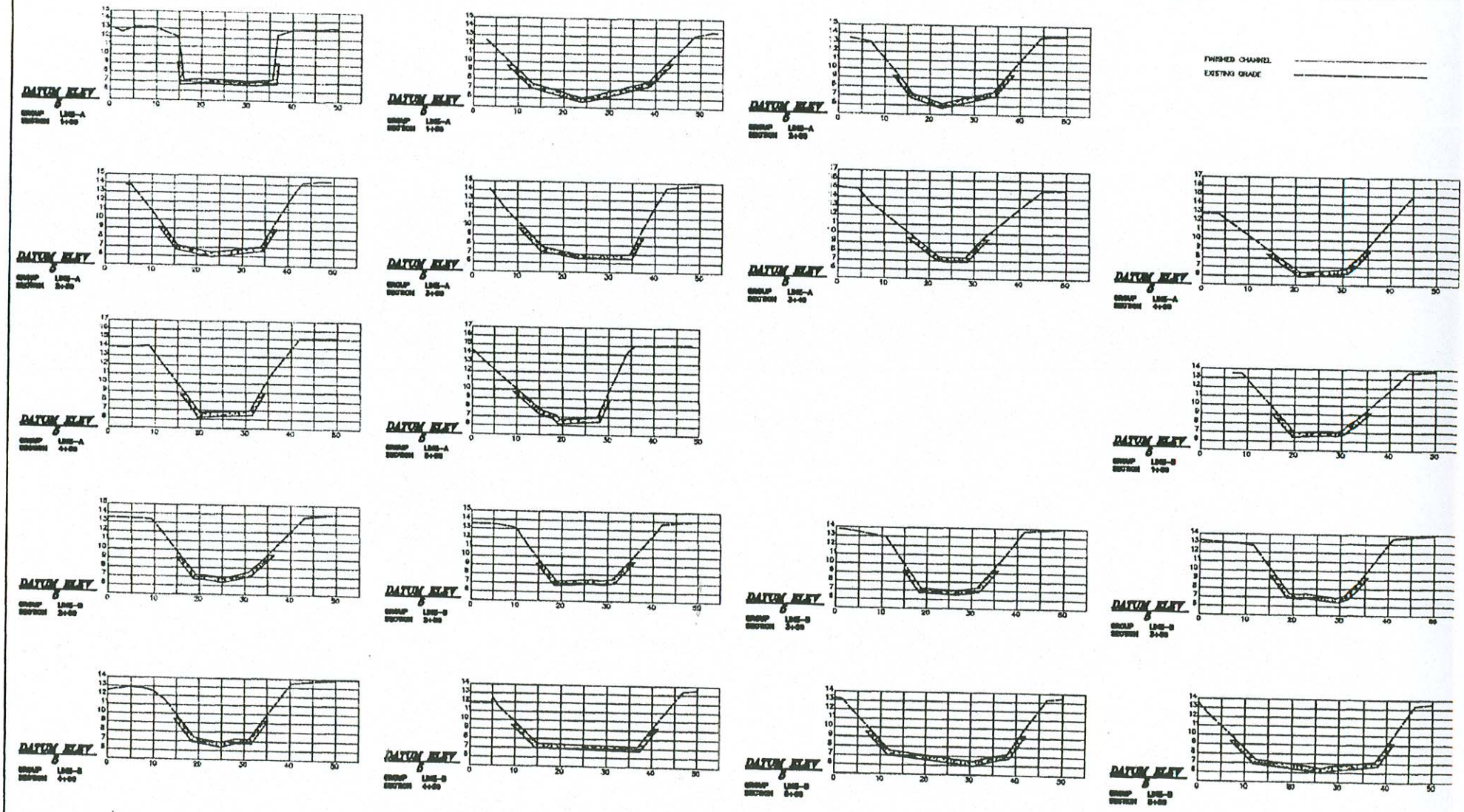
CITY OF SACRAMENTO
DEPARTMENT OF UTILITIES

DRAWN BY: R. JORDAN DATE: JUNE 04
DESIGNED BY: W. PETERSON R.C.E. NO. DATE: JUNE 04
CHECKED BY: A. HUNT R.C.E. NO. 10513 DATE: JUNE 04

IMPROVEMENT PLANS FOR
EXECUTIVE AIRPORT
CHANNEL LINING PROJECT
PLAN VIEW AND DETAILS

PLANNING NO. P00-000
PN: WM46
WATER DWG NO.
GIS GRID NO. QQ13
DWG NO. C-3
SHEET 3 OF XX

PN: WM46 EXECUTIVE AIRPORT CHANNEL LINING PROJECT



REVISIONS

BENCH MARK ELEV. 15.203
DESCRIPTION: BM 317-870

FIELD BOOK 1427

SCALE: H: 1"=10' V: 1"=5'

1"

CITY OF SACRAMENTO
DEPARTMENT OF UTILITIES

DRAWN BY: R. JORDAN
DATE: JUNE 04

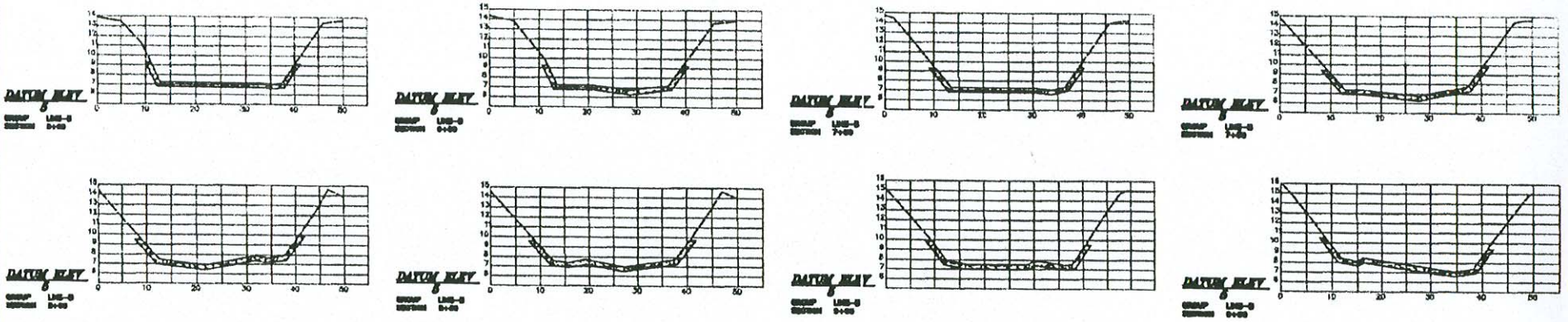
DESIGNED BY: R. PETERSON
R.C.E. NO. ____ DATE: JUNE 04

CHECKED BY: A. HUNT
R.C.E. NO. 30613 DATE: JUNE 04

IMPROVEMENT PLANS FOR:
EXECUTIVE AIRPORT
CHANNEL LINING PROJECT
CHANNEL SECTIONS (LINE-A AND LINE-B)

PLANNING NO. P00-000
PN: WM48
WATER DWG NO.
DWG NO. 0013

DWG. C-
SHEET 4 OF X



PN: WM46 EXECUTIVE AIRPORT CHANNEL LINING PROJECT

EXECUTIVE AIRPORT CHANNEL LINING PROJECT
R:\DESIGNPROJ\WM46\WM46\WM46LINE.DWG
000-00

PN: WM46

REVISIONS	BENCH MARK ELEV. 15.203 DESCRIPTION: BM 317-870	FIELD BOOK 1427 SCALE: H: 1"=10' V: 1"=5'	1"	CITY OF SACRAMENTO DEPARTMENT OF UTILITIES	IMPROVEMENT PLANS FOR: EXECUTIVE AIRPORT CHANNEL LINING PROJECT CHANNEL SECTIONS (LINE-B)	PLANNING NO. P00-000 PN: WM46 WATER DWG NO. DIS DWG NO. 0013	DWG. C-5 SHT 5 OF X
				DRAWN BY: R. JORDAN DATE: JUNE 04 / DESIGNED BY: W. PETERSON R.C.E. NO. ____ DATE: JUNE 04 / CHECKED BY: A. HUNT R.C.E. NO. 30513 DATE: JUNE 04			