Purpose: Residential Development

Datum: NGVD

Source: Northern California Atlas & Gazetteer

Alamo Creek

Regional Location

FIGURE 1 OF 14

Adjacent to: Alamo Creek

County of: Contra Costa

Application by:

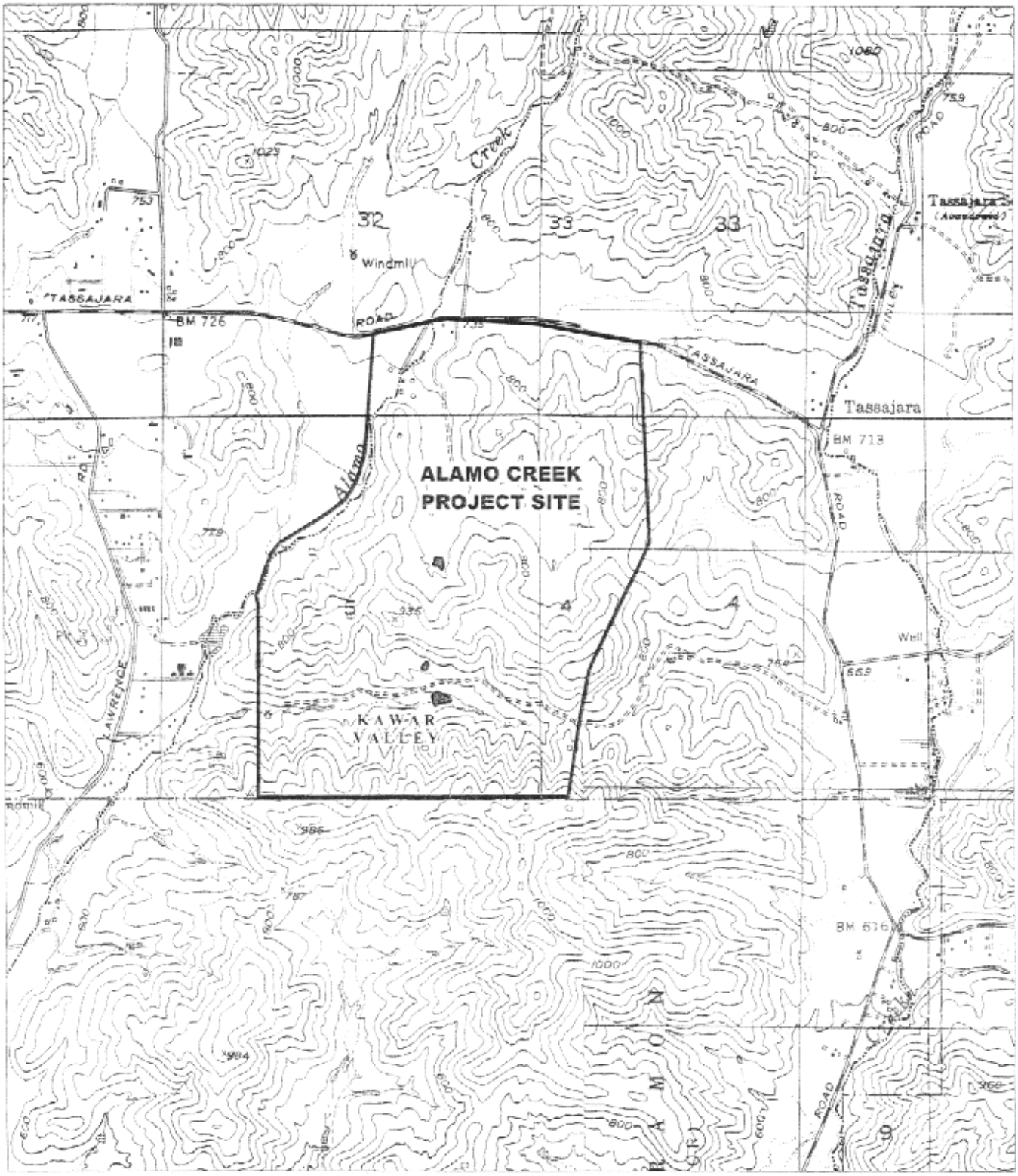
Shapell Industries of Northern California and Ponderosa Homes
P.O. Box 361169
Milpitas, CA 95035

LSA

0 2
MILES

N

P:\SIN236\g\Corps\RegLoca.cdr (4/1/03)



Purpose: Residential Development

Datum: NGVD

Source: USGS 7.5' Diablo and Tassajara Quadrangles

Alamo Creek

Project Location

FIGURE 2 OF 14

Adjacent to: Alamo Creek

County of: Contra Costa

Application by:

Shapell Industries of Northern California and Ponderosa Homes
P.O. Box 361169
Milpitas, CA 95035

Existing Pond Locations

LSA

0 1.0
MILES

N

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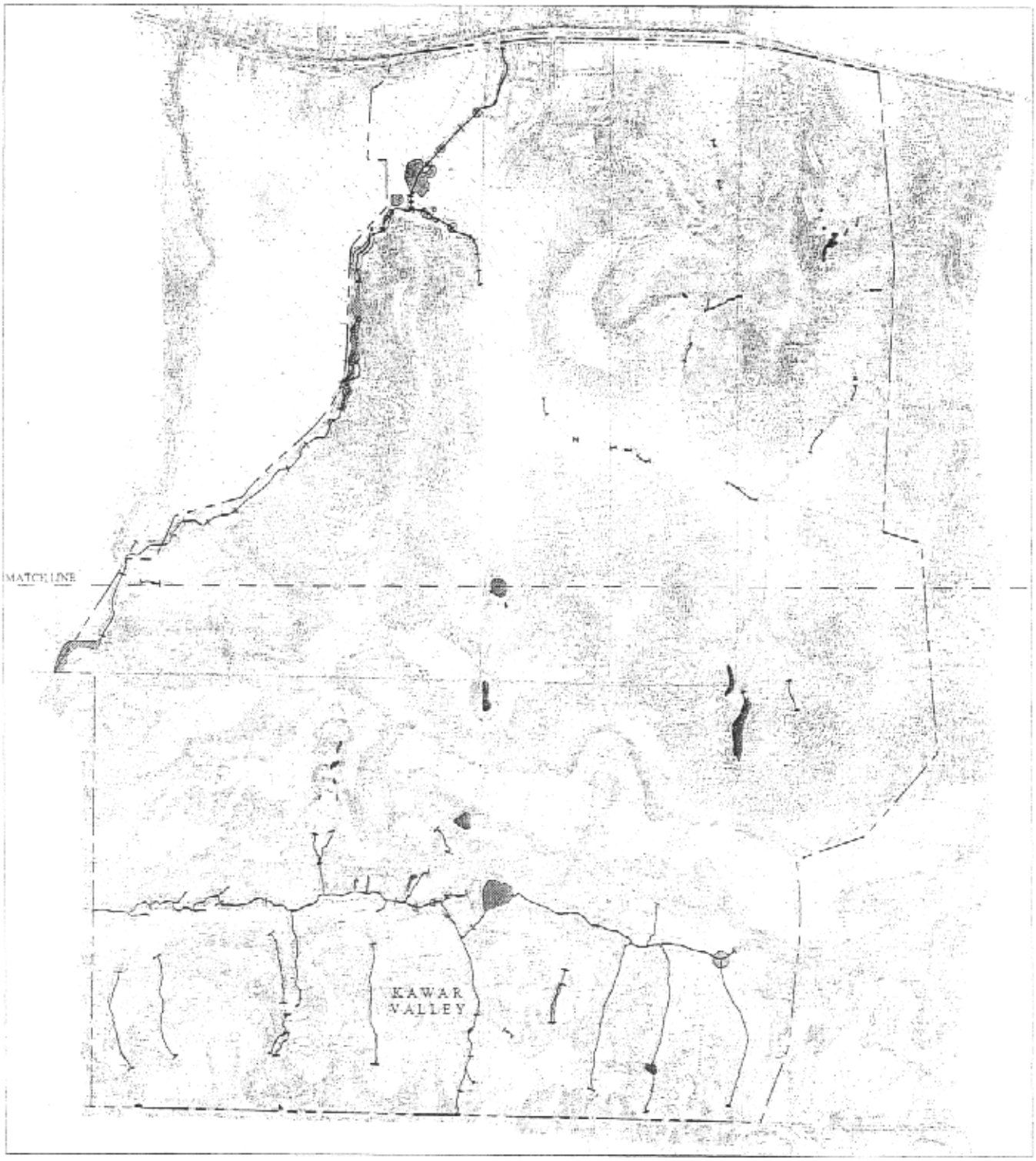


Purpose: Residential Development
Datum: NGVD

Alamo Creek
Wetlands and Aquatic Features

FIGURE 3 OF 14

Adjacent to: Alamo Creek
County of: Contra Costa
Application by:
Shapell Industries of
Northern California and
Ponderosa Homes
P.O Box 361169
Milpitas, California 95035

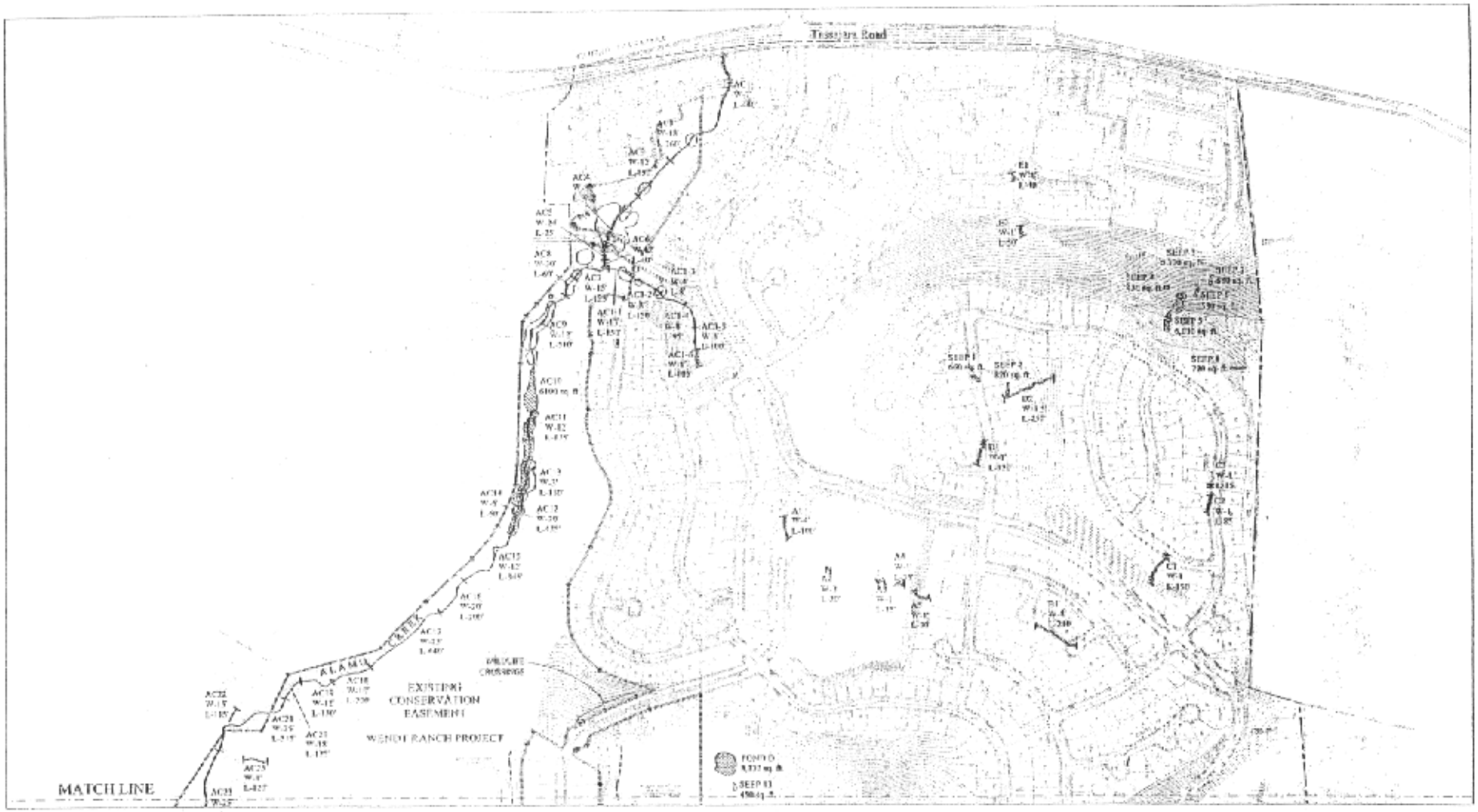
LSA
0 0 900
FEET

SEEP
POND
SEASONAL WETLAND
RIPARIAN VEGETATION
EMERGENT MARSH

STREAM SEGMENT
W-1' SEGMENT WIDTH
L-100' SEGMENT LENGTH

PROJECT SITE BOUNDARY

P:\SDN236\g\Corps\Wet&AquaFeatures.dwg (4/1/03)



Purpose: Residential Development

Datum: NGVD

Alamo Creek

Proposed Project Plan, Jurisdictional Impacts and Mitigation Features

FIGURE 4a OF 14

Adjacent to: Alamo Creek

County of: Contra Costa

Application by: Shapell Industries of Northern California and Ponderosa Homes
P.O. Box 361169
Milpitas, California 95035

SEEP
POND
SEASONAL WETLAND
RIPARIAN VEGETATION
EMERGENT MARSH
CREATED WETLAND
SEDIMENT TRAP

IMPACTED
STREAM SEGMENT
W: SEGMENT WIDTH
L: SEGMENT LENGTH

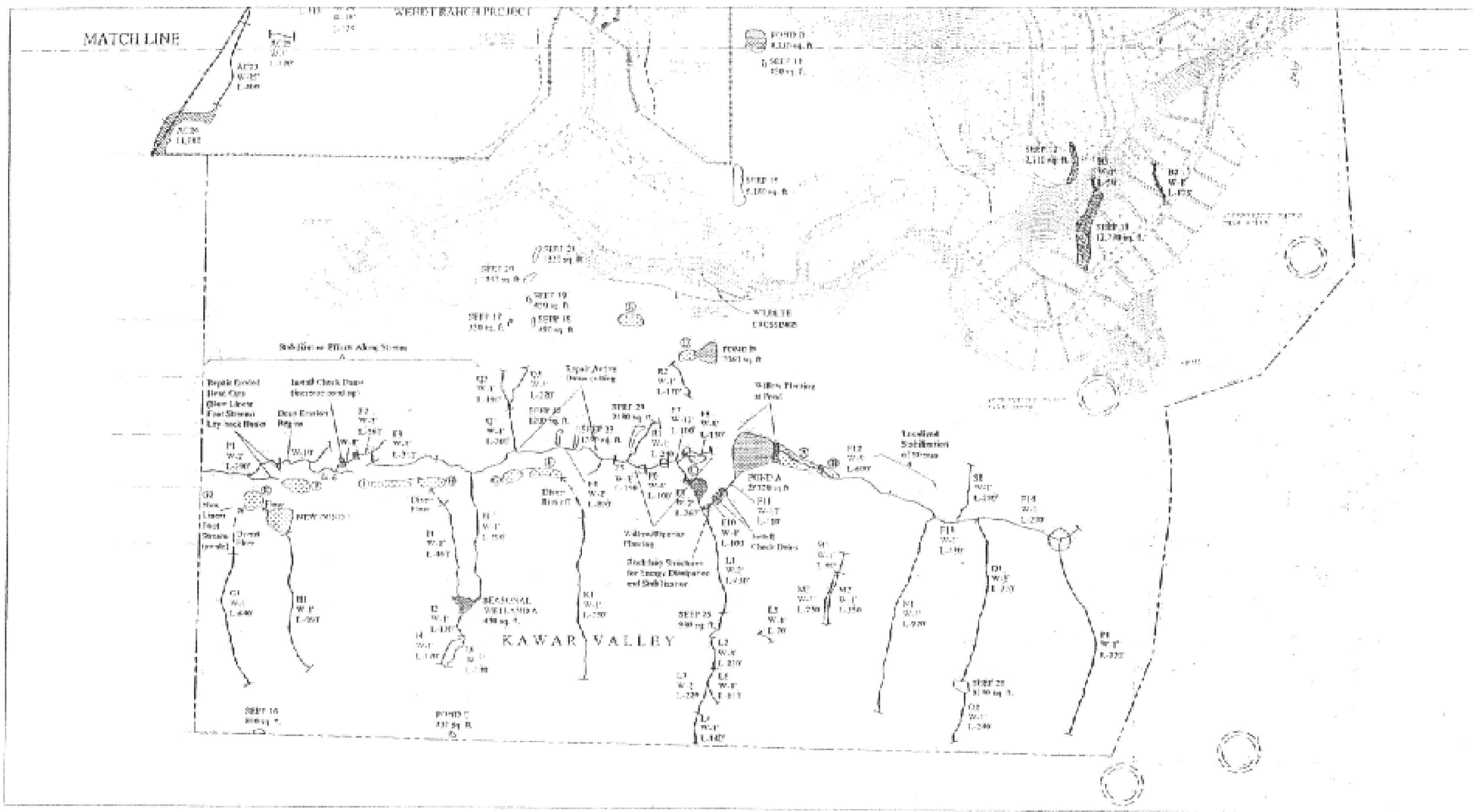
PROJECT SITE BOUNDARY

LSA

0 700
FEET

N

P:\SIN236\g\Corps\ProjPlan.dwg (5/28/03)



Purpose: Residential Development

Datum: NGVD

Alamo Creek

Proposed Project Plan, Jurisdictional Impacts and Mitigation Features

FIGURE 4b OF 14

Adjacent to: Alamo Creek

County of: Contra Costa

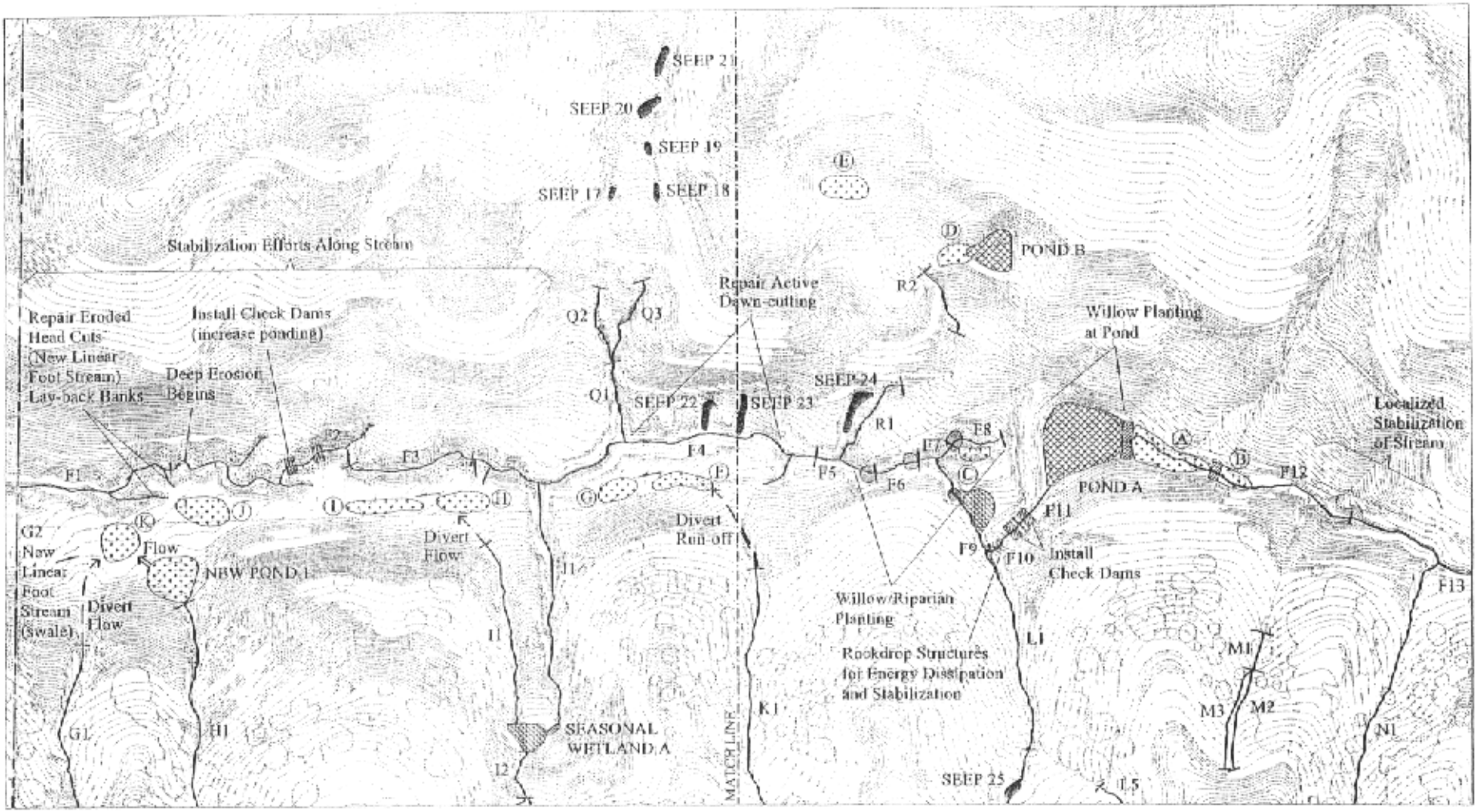
Application by: Shapell Industries of Northern California and Ponderosa Homes
P.O.Box 361169
Milpitas, California 95035

SEEP
POND
SEASONAL WETLAND
RIPARIAN VEGETATION
EMERGENT MARSH
CREATED WETLAND
SEDIMENT TRAP

IMPACTED STREAM SEGMENT
W-#' SEGMENT WIDTH
L-#' SEGMENT LENGTH
PROJECT SITE BOUNDARY

LSA 0 700 FEET N

P:\SIN236\g\Corps\ProjPlan.dwg (5/28/03)



Purpose: Residential Development

Datum: NGVD

Alamo Creek

Kawar Valley Mitigation Area

FIGURE 5 OF 14

Adjacent to: Alamo Creek

County of: Contra Costa

Application by: Shapell Industries of Northern California and Ponderosa Homes
P.O. Box 361169
Milpitas, California 95035

LSA

0 360
FEET

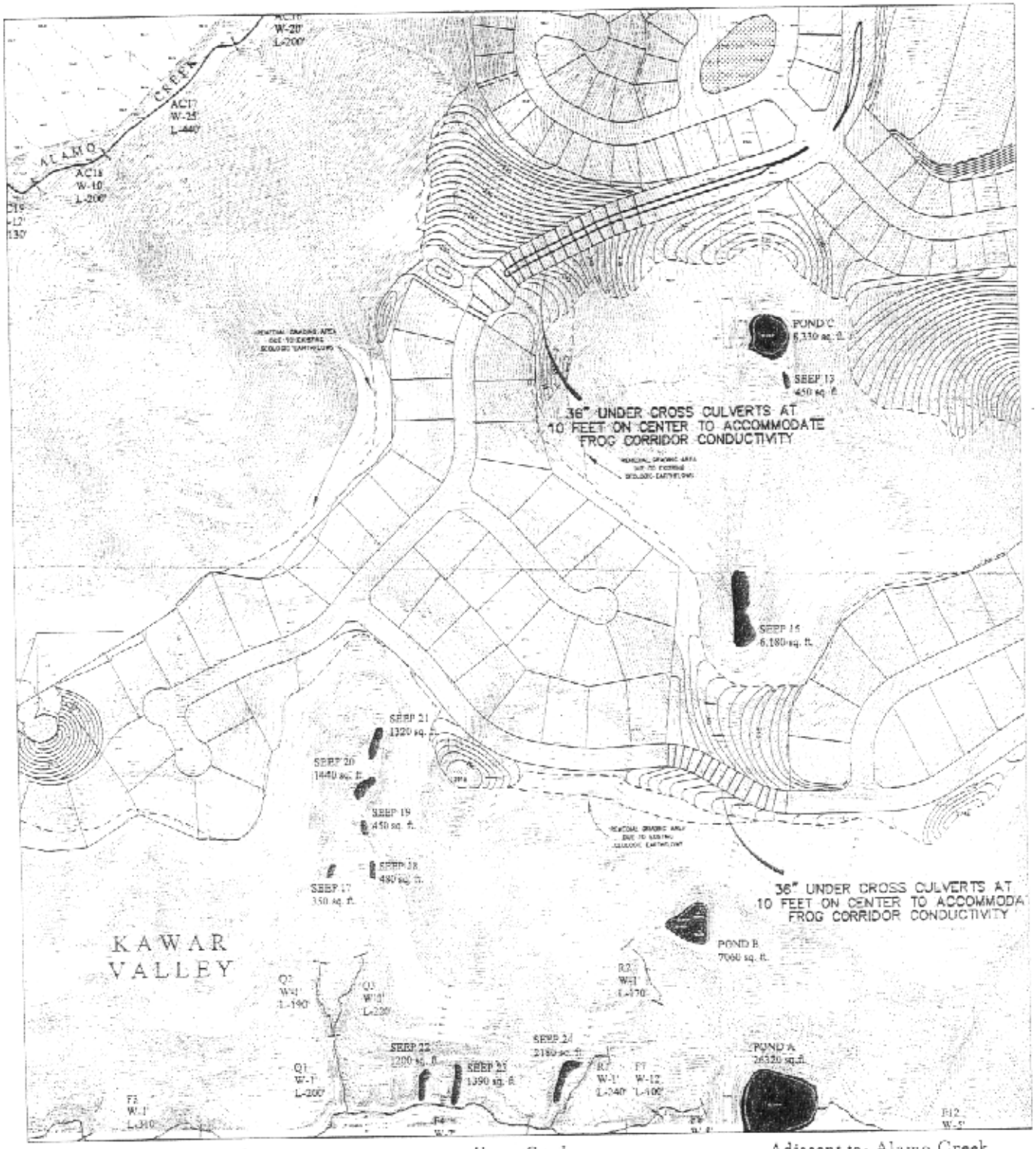
N

SEEP
POND
SEASONAL WETLAND
RIPARIAN VEGETATION
CREATED WETLANDS
SEDIMENT TRAP

A STREAM SEGMENT

PROJECT SITE BOUNDARY

P:\SIN236\gi\Corps\MitArea.dwg (4/8/03)



Purpose: Residential Development

Datum: NGVD

Alamo Creek

Pond C Mitigation Area

Adjacent to: Alamo Creek

County of: Contra Costa

Application by:

Shapell Industries of
Northern California and
Ponderosa Homes
P.O Box 361169
Milpitas, California 95035

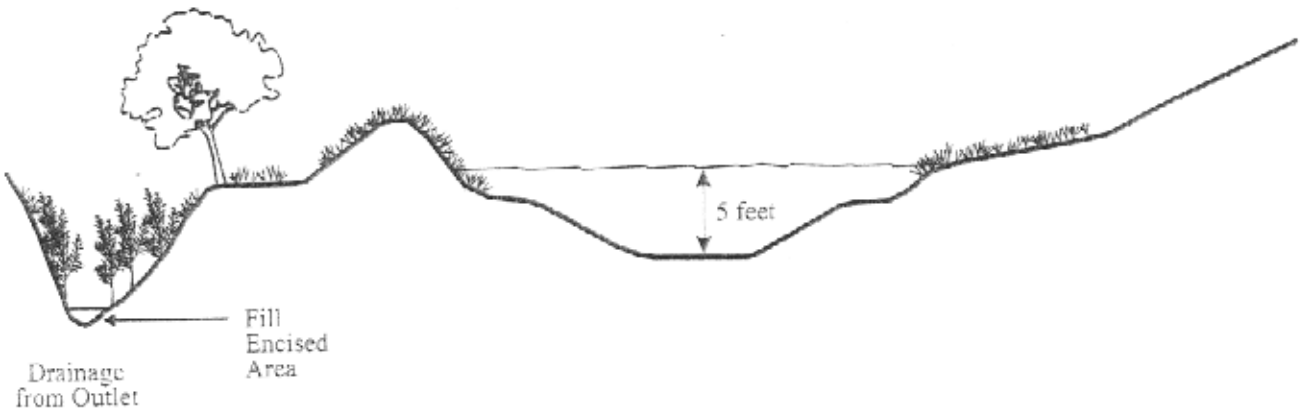
FIGURE 5a OF 14

LSA

0 350

FEET

N



Purpose: Residential Development

Datum: NGVD

Alamo Creek

Conceptual Cross-section of
Created Pond

FIGURE 6 OF14

Adjacent to: Alamo Creek

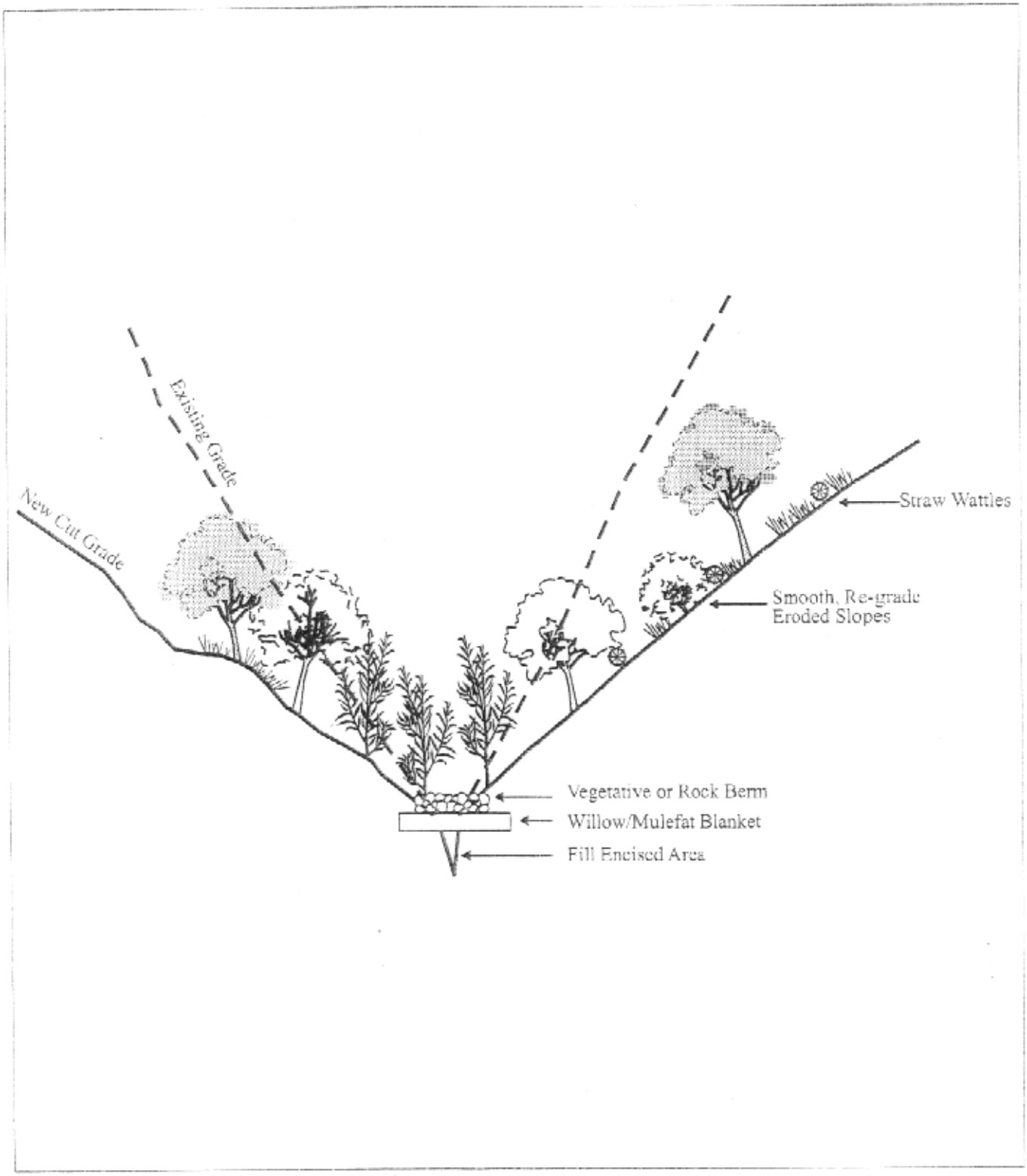
County of: Contra Costa

Application by:

Shapell Industries of
Northern California and
Ponderosa Homes
P.O. Box 361169
Milpitas, CA 95035

LSA

P:\SIN236\g\Corps\Xsect-CreatedPond cdr (4/1/03)



Purpose: Residential Development
Datum: NGVD

Alamo Creek

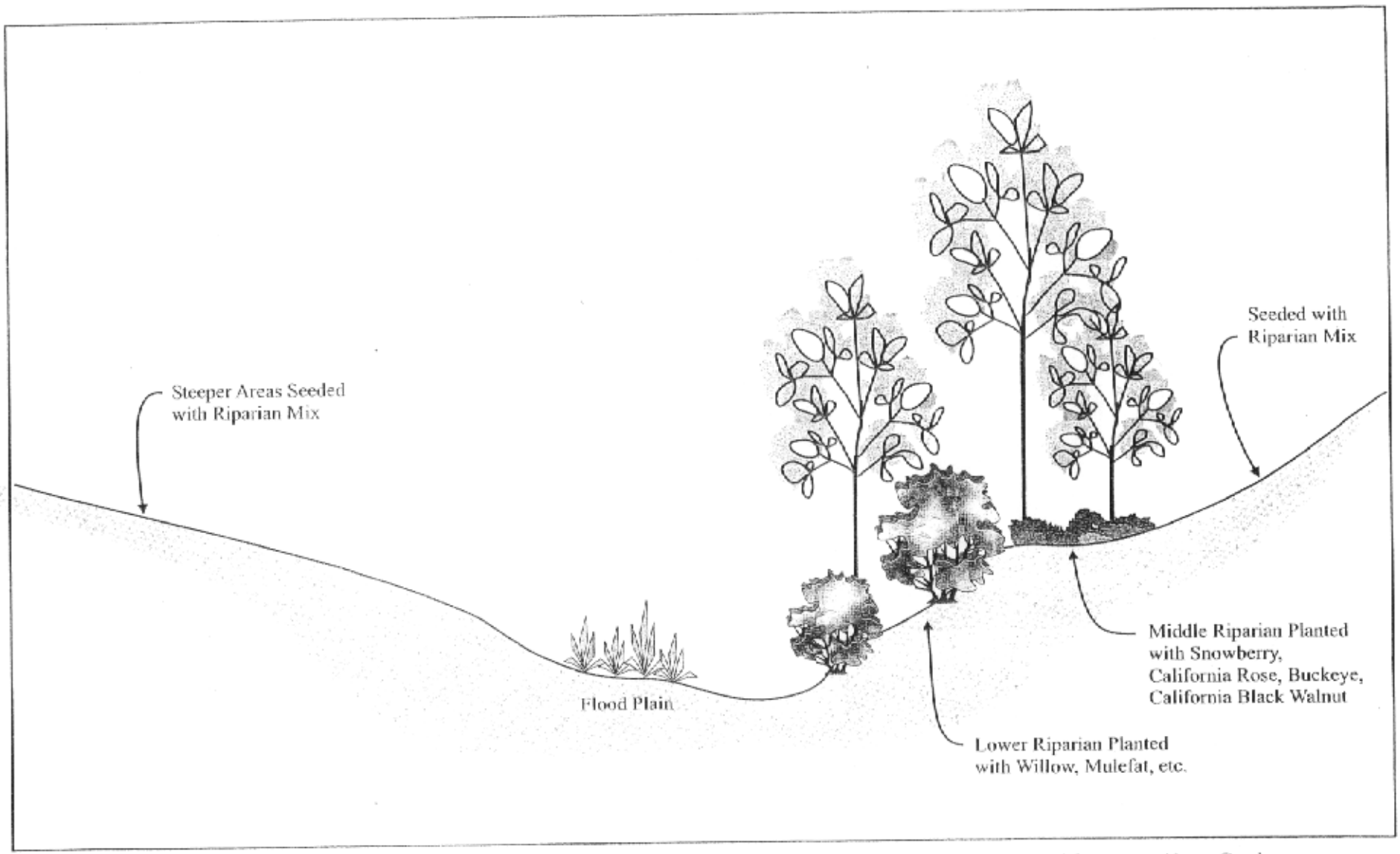
Conceptual Design of
Incised Stream Restoration

FIGURE 7 OF 14

Adjacent to: Alamo Creek
County of: Contra Costa
Application by:
Shapell Industries of
Northern California and
Ponderosa Homes
P.O. Box 361169
Milpitas, CA 95035

LSA

P:\SIN236\g\Corps\StreamRest.cdr (4/3/03)



Purpose: Residential Development

Datum: NGVD

Alamo Creek

Stream Enhancement Through Revegetation

FIGURE 8 OF 14

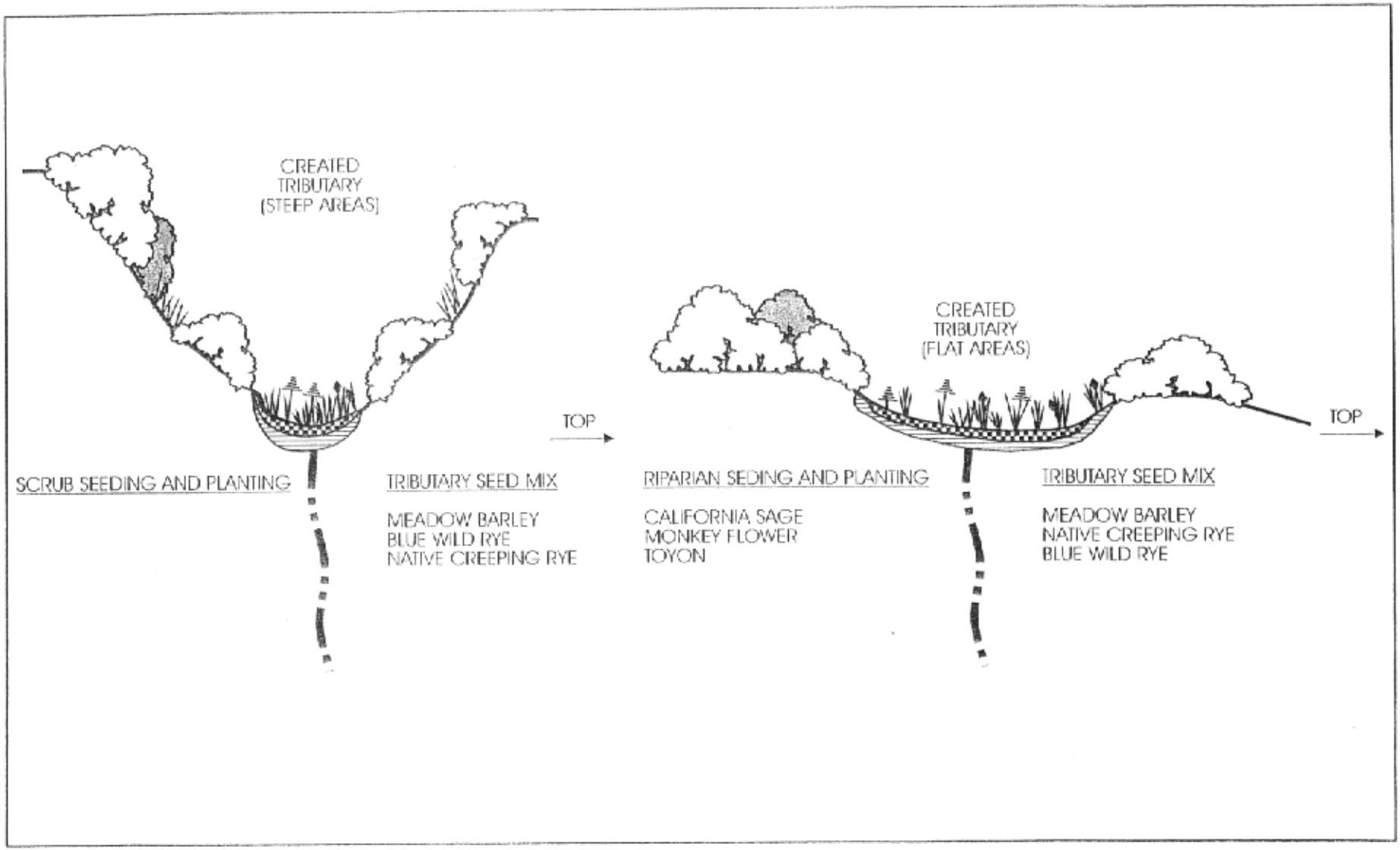
Adjacent to: Alamo Creek

County of: Contra Costa

Application by: Shapell Industries of
Northern California and
Ponderosa Homes
P.O. Box 361169
Milpitas, California 95035

LSA

P:\SIN236\g\Corps\StreamReveg.cdr (4/1/03)



Purpose: Residential Development

Datum: NGVD

Alamo Creek

Ephemeral Stream Planting Plan

FIGURE 9 OF 14

CENTERLINE OF CREATED TRIBUTARY

COMPRESSED CLAY

WETLAND TOPSOIL

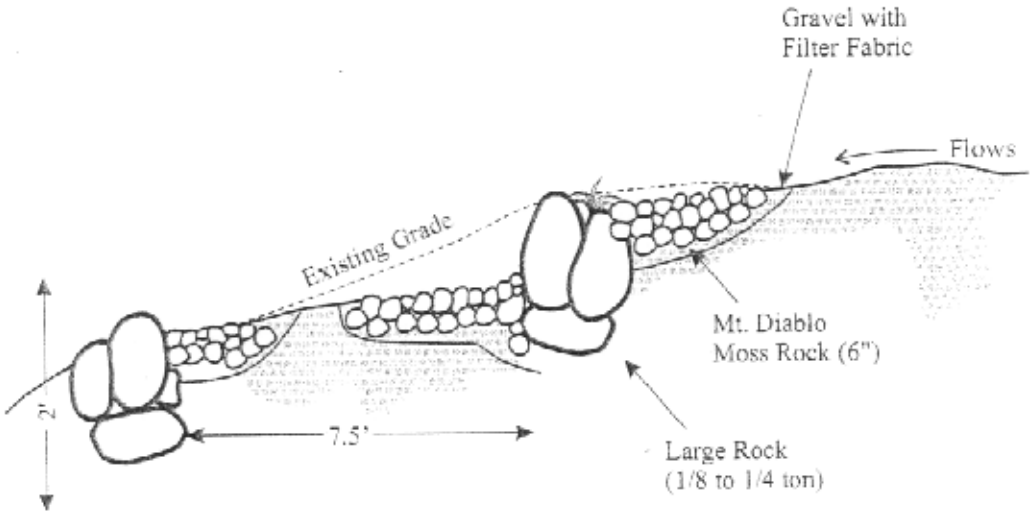
Adjacent to: Alamo Creek

County of: Contra Costa

Application by: Shapell Industries of Northern California and Ponderosa Homes
P.O. Box 361169
Milpitas, California 95035

LSA

P:\SIN236\gi\CorpsvEphemStrmPlanting.cdr (4/1/03)



Purpose: Residential Development
Datum: NGVD

Alamo Creek

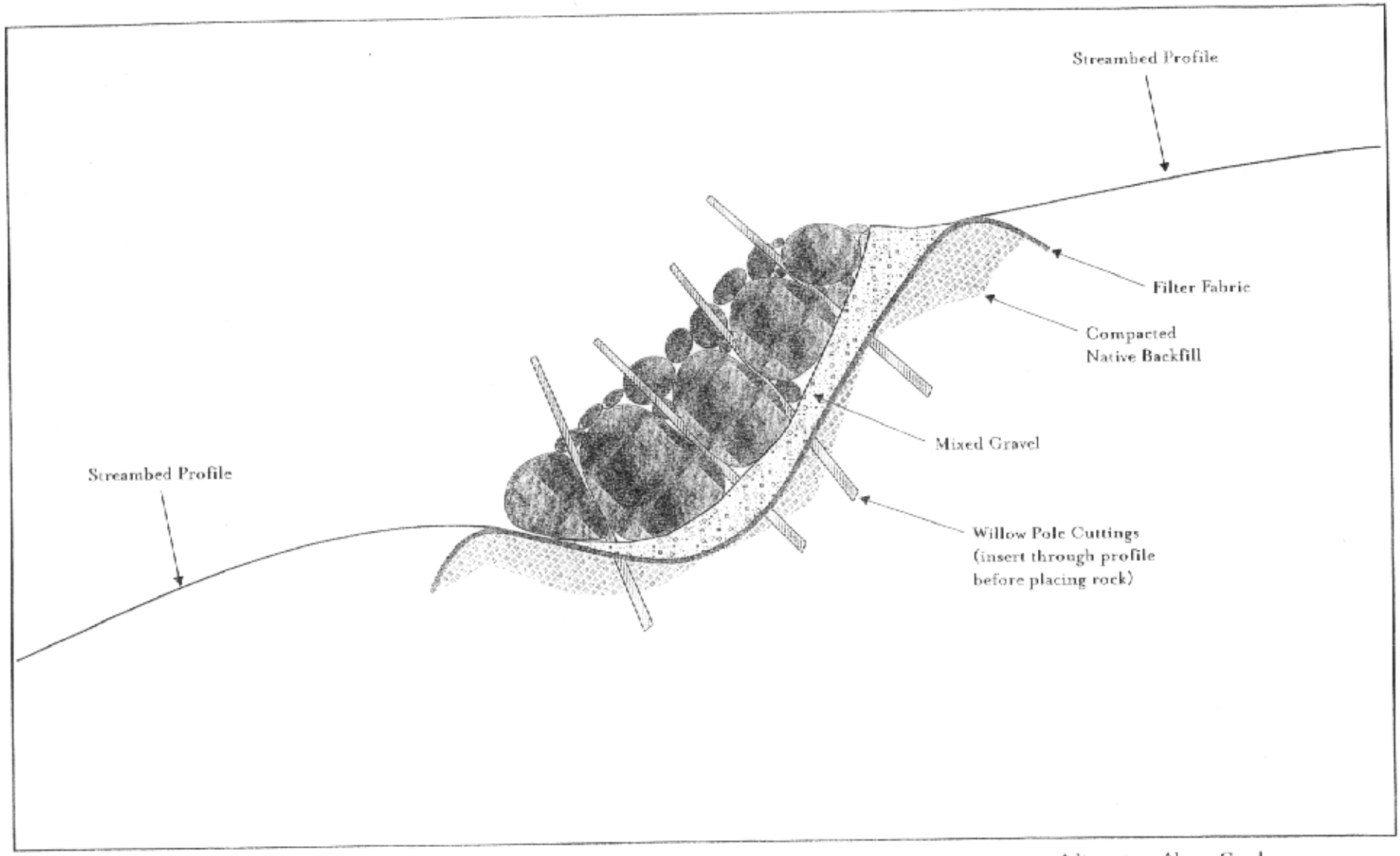
Conceptual Rock Check Dam
Cross-section

FIGURE 10 OF 14

Adjacent to: Alamo Creek
County of: Contra Costa
Application by:
Shapell Industries of
Northern California and
Ponderosa Homes
P.O. Box 361169
Milpitas, CA 95035

LSA

P:\SIN236\g\Corps\RockChkDam.cdr (4/1/03)



Purpose: Residential Development

Datum: NGVD

Alamo Creek

Conceptual Design for Stabilizing Nickpoints and Headcuts

FIGURE 11 OF 14

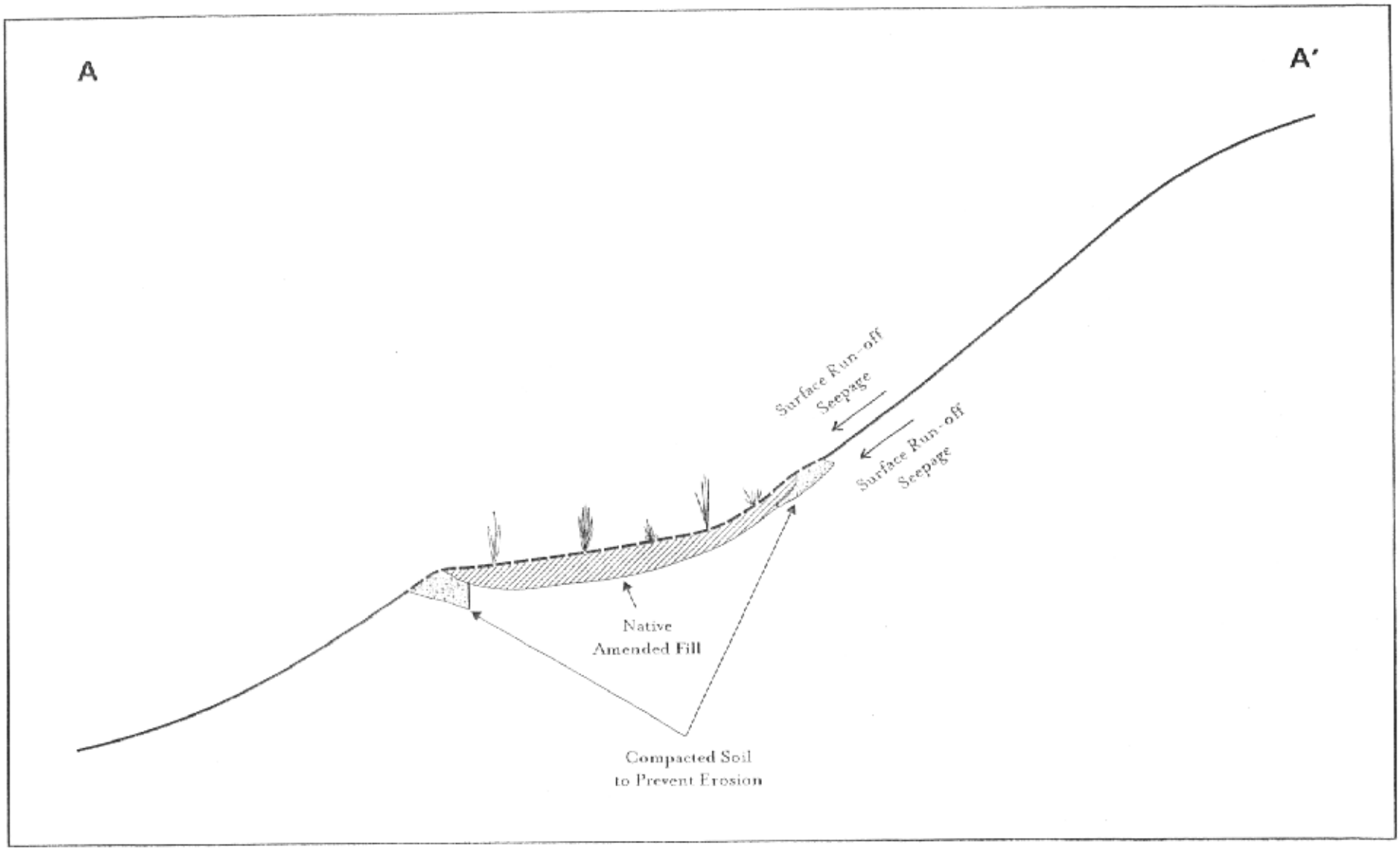
Adjacent to: Alamo Creek

County of: Contra Costa

Application by: Shapell Industries of
Northern California and
Ponderosa Homes
P.O. Box 361169
Milpitas, California 95035

LSA

P:\SIN236\g\Corps\Nickpt&HeadcutStablz.cdr (4/1/03)



Purpose: Residential Development

Datum: NGVD

Alamo Creek

Conceptual Cross-section

Created Slope - Seep Seasonal Wetland

FIGURE 12 OF 14

Adjacent to: Alamo Creek

County of: Contra Costa

Application by: Shapell Industries of Northern California and Ponderosa Homes
P.O. Box 361169
Milpitas, California 95035

LSA

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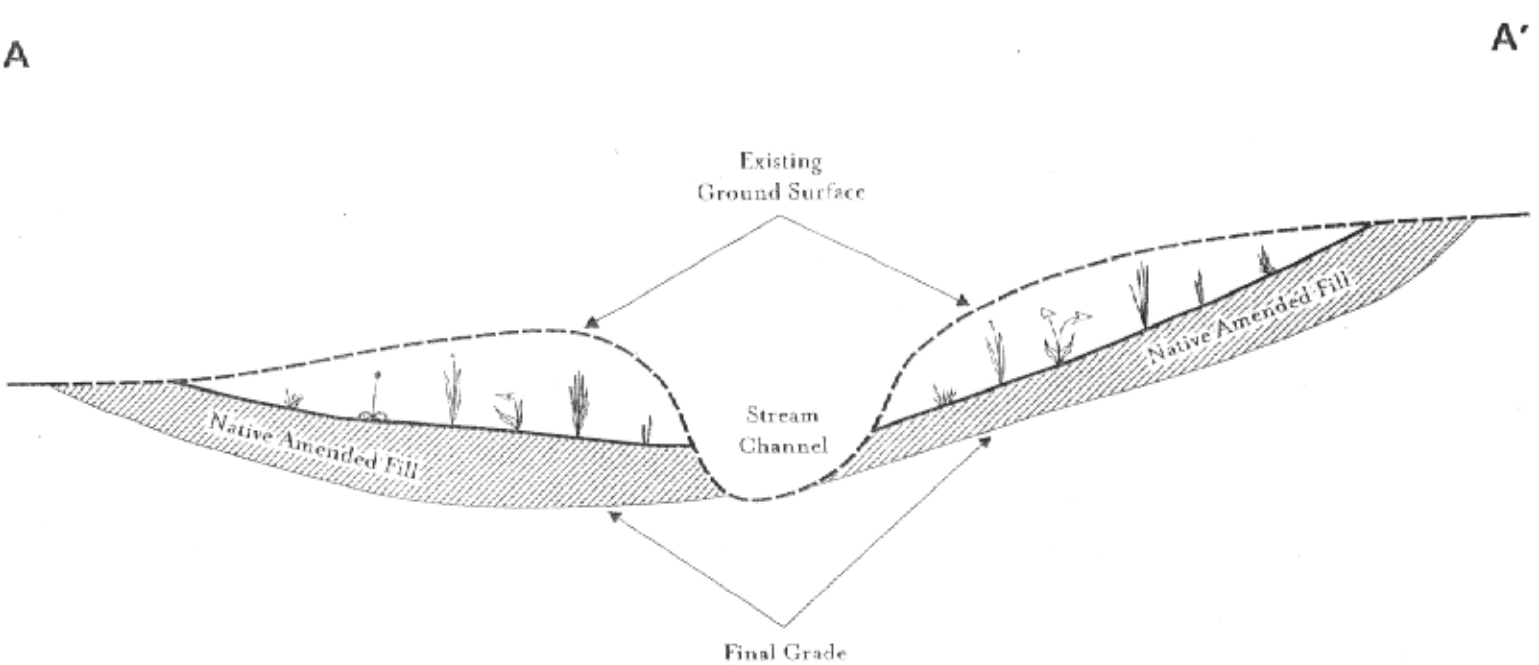


Purpose: Residential Development

Datum: NGVD

Alamo Creek

Conceptual Cross-section

Wetlands to be Created Adjacent to Streams

FIGURE 13 OF 14

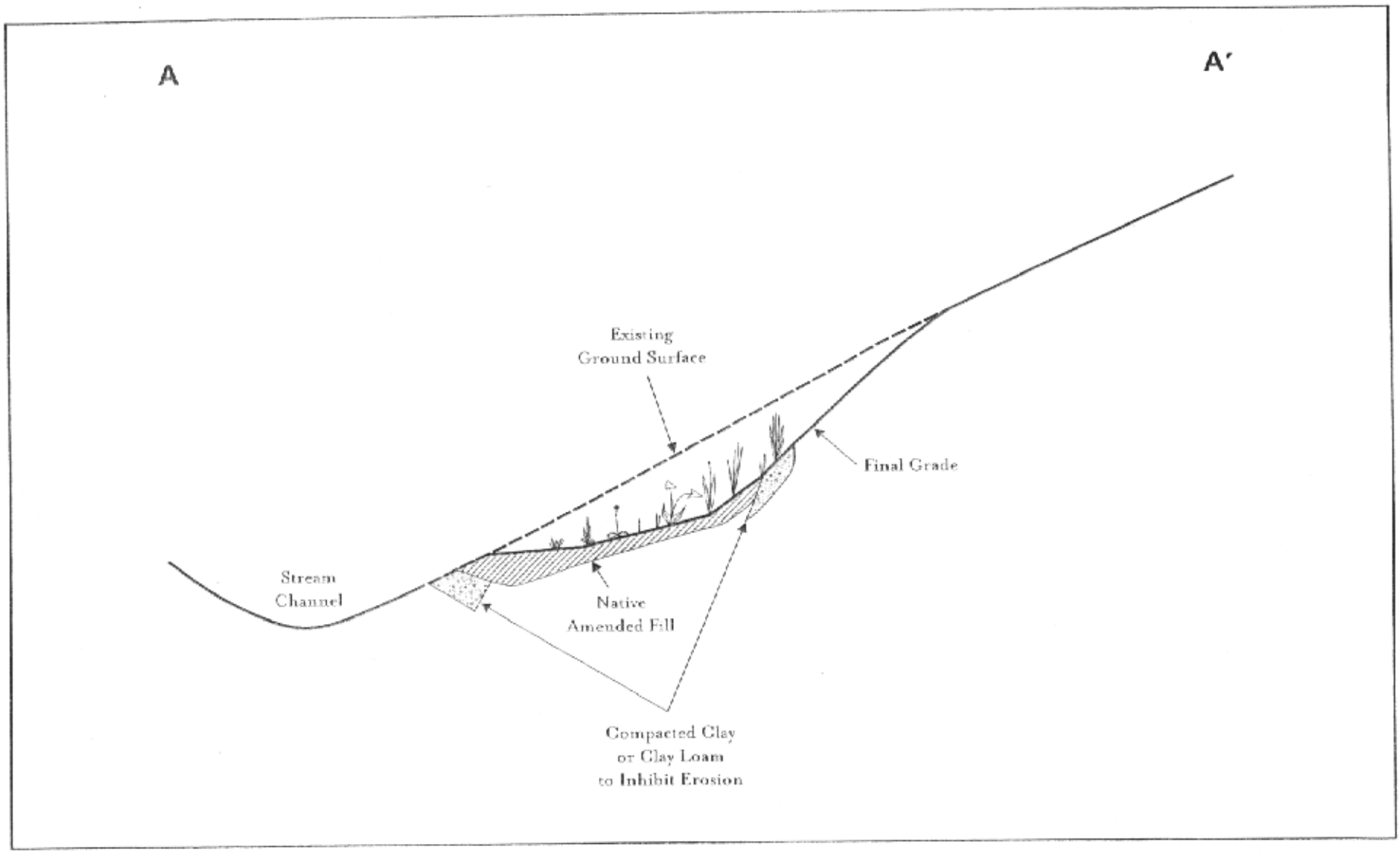
Adjacent to: Alamo Creek

County of: Contra Costa

Application by: Shapell Industries of
Northern California and
Ponderosa Homes
P.O. Box 361169
Milpitas, California 95035

LSA

P:\SIN230\g\Corps\Xsect-Wet.cdr (4/1/03)



Purpose: Residential Development

Datum: NGVD

Alamo Creek

Conceptual Cross-section

Alluvial Plain/Terrace Seasonal Wetland

FIGURE 14 OF 14

Adjacent to: Alamo Creek

County of: Contra Costa

Application by: Shapell Industries of
Northern California and
Ponderosa Homes
P.O. Box 361169
Milpitas, California 95035

LSA

P:\SIN236\g\Corps\Xsect Plain-SrlWet.cdr (4/1/03)