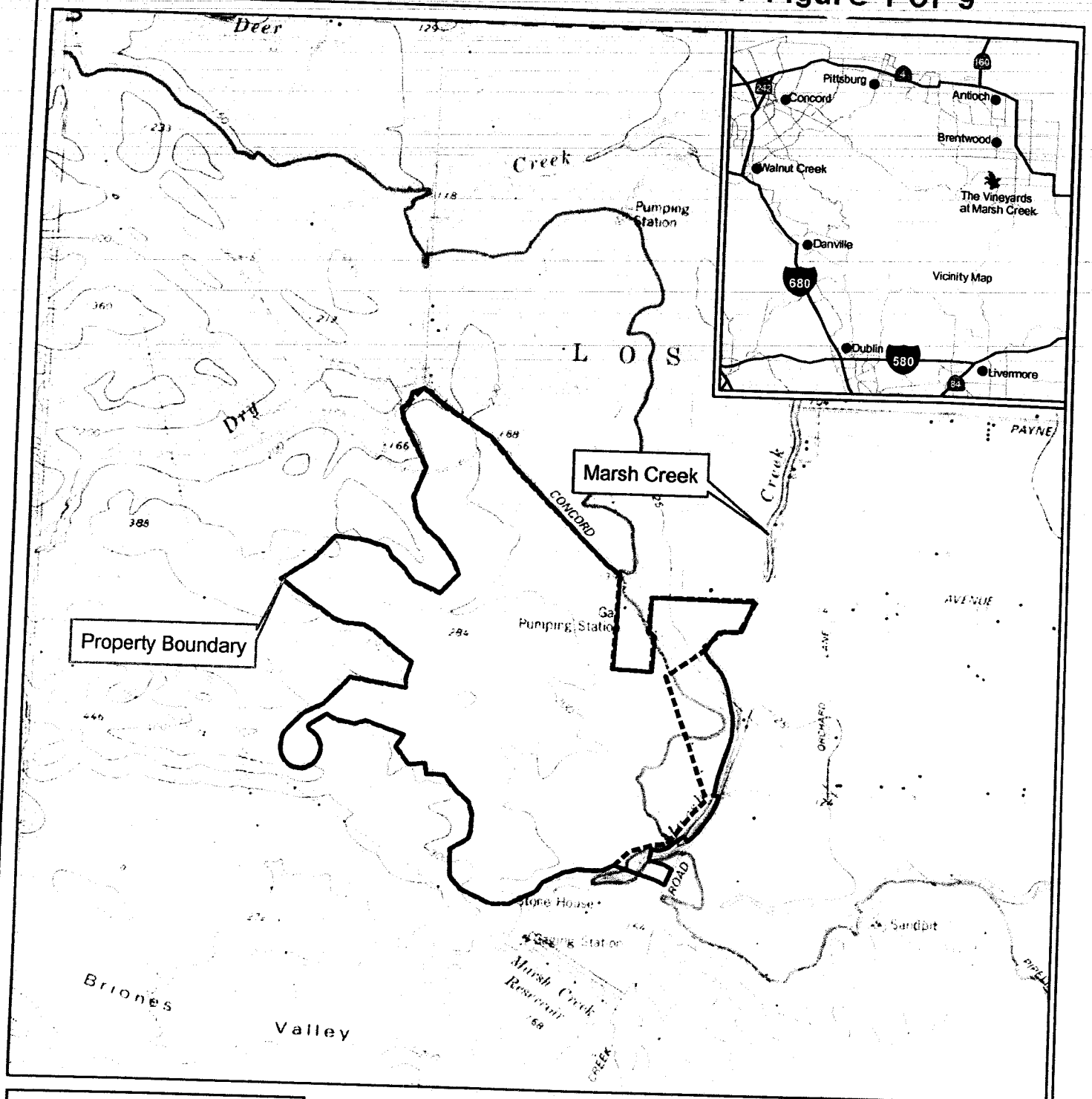


Legend

- Property Boundary
- Wetland Delineation Study Area Limits

This document provided for the sole use of The Vineyards at Marsh Creek LLC. This document not intended for detail design work. USGS quadrangles from MapTech Terrain Professional (1998).

4/28/04 1:24,000

1 inch equals 2,000 feet

0 1,000 2,000 3,000 4,000 Feet

N

Figure 1

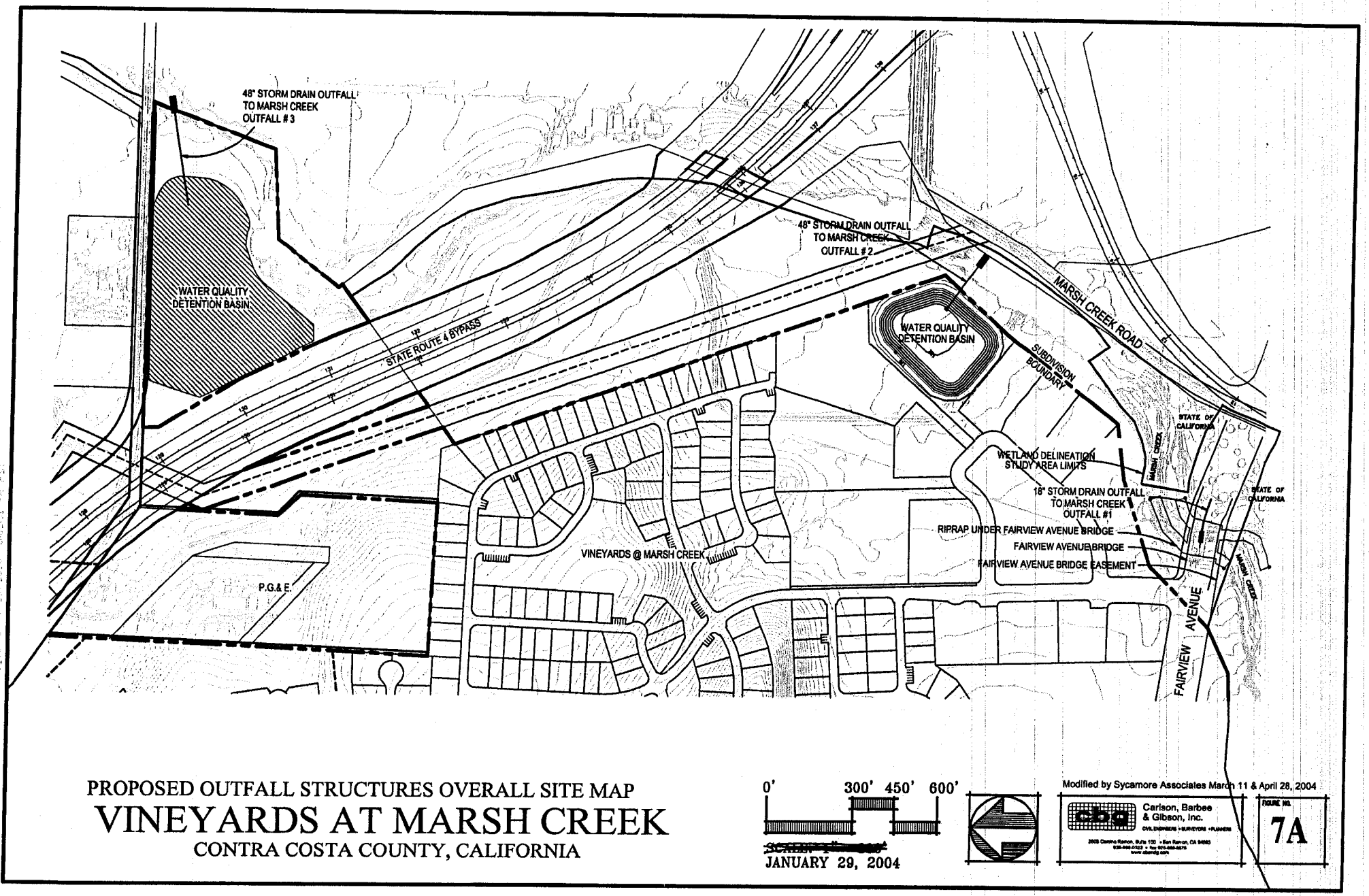
Location of Project Site

The Vineyards at Marsh Creek

Brentwood, California

Sycamore Associates, LLC
2099 Mt. Diablo Blvd. Suite 204
Walnut Creek, CA 94596
925.279.0580
www.syclic.com

s:\sycamore\projects\blackhawk\marsh creek\grpahics\gis\Figure 1 Vicinity 042804.mxd



PROPOSED OUTFALL STRUCTURES OVERALL SITE MAP

VINEYARDS AT MARSH CREEK

CONTRA COSTA COUNTY, CALIFORNIA

0' 300' 450' 600'

SCALE: 1" = 300'

JANUARY 29, 2004

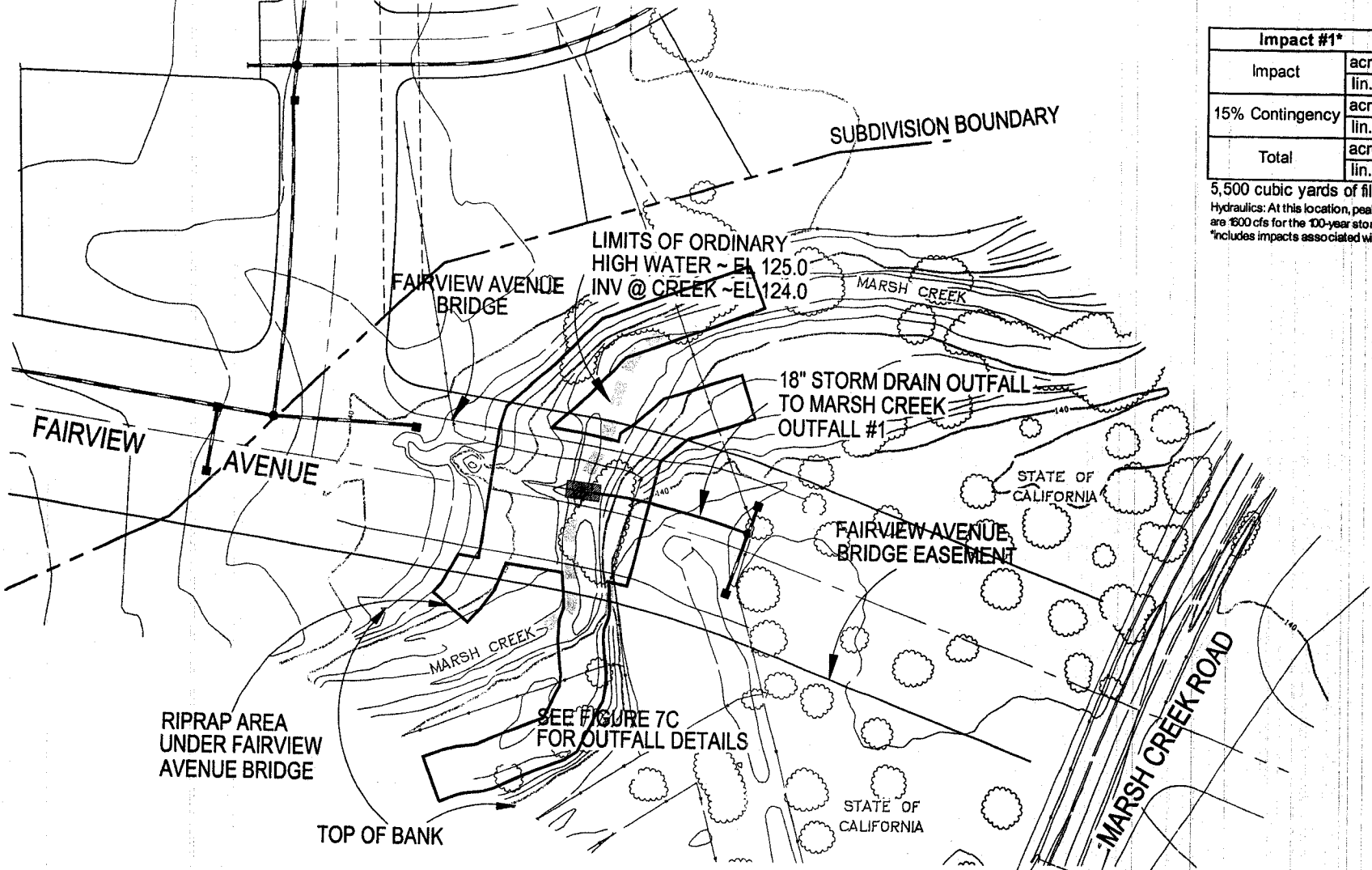
Modified by Sycamore Associates March 11 & April 28, 2004

Carlson, Barbee & Gibson, Inc.

CIVIL ENGINEERS • SURVEYORS • PLANNERS

FIGURE NO. 7A

PN 200300007 Figure 2 of 9



Impact #1*		USACE	State
Impact	acres	0.183	0.371
	lin.ft.	140	140
15% Contingency	acres	0.027	0.056
	lin.ft.	21	21
Total	acres	0.210	0.427
	lin.ft.	161	161

5,500 cubic yards of fill

Hydraulics: At this location, peak velocities in Marsh Creek are 1600 cfs for the 100-year storm.

*Includes impacts associated with Fairview Avenue bridge

PROPOSED OUTFALL STRUCTURE #1 TO MARSH CREEK

VINEYARDS AT MARSH CREEK

CONTRA COSTA COUNTY, CALIFORNIA

0' 80' 120' 160'

SCALE: 1"= 80'

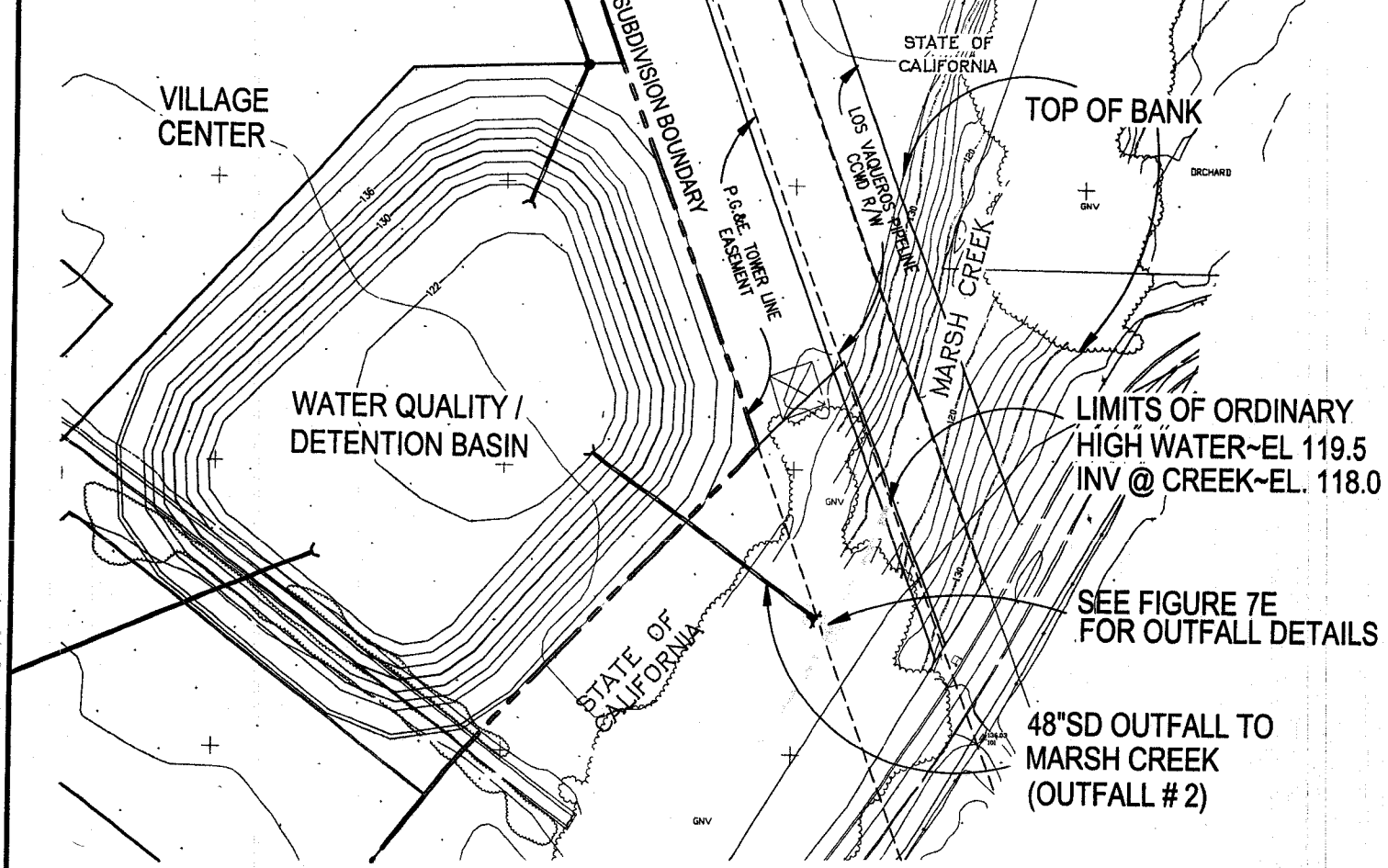
JANUARY 29, 2004

Modified by Sycamore Associates March 11, 2004

Carlson, Barbee & Gibson, Inc.

CIVIL ENGINEERS • SURVEYORS • PLANNERS

FIGURE NO. 7B



Impact #2		USACE	State
Impact	acres	0.011	0.025
	lin.ft.	13	13
15% Contingency	acres	0.002	0.004
	lin.ft.	1.95	1.95
Total	acres	0.013	0.029
	lin.ft.	14.95	14.95

659.55 cubic yards of fill

Hydraulics: At this location, peak velocities in Marsh Creek are 1600 cfs for the 100-year storm.

PROPOSED OUTFALL STRUCTURE #2 TO MARSH CREEK

VINEYARDS AT MARSH CREEK

CONTRA COSTA COUNTY, CALIFORNIA

0' 80' 120' 160'

SCALE: 1"= 80'

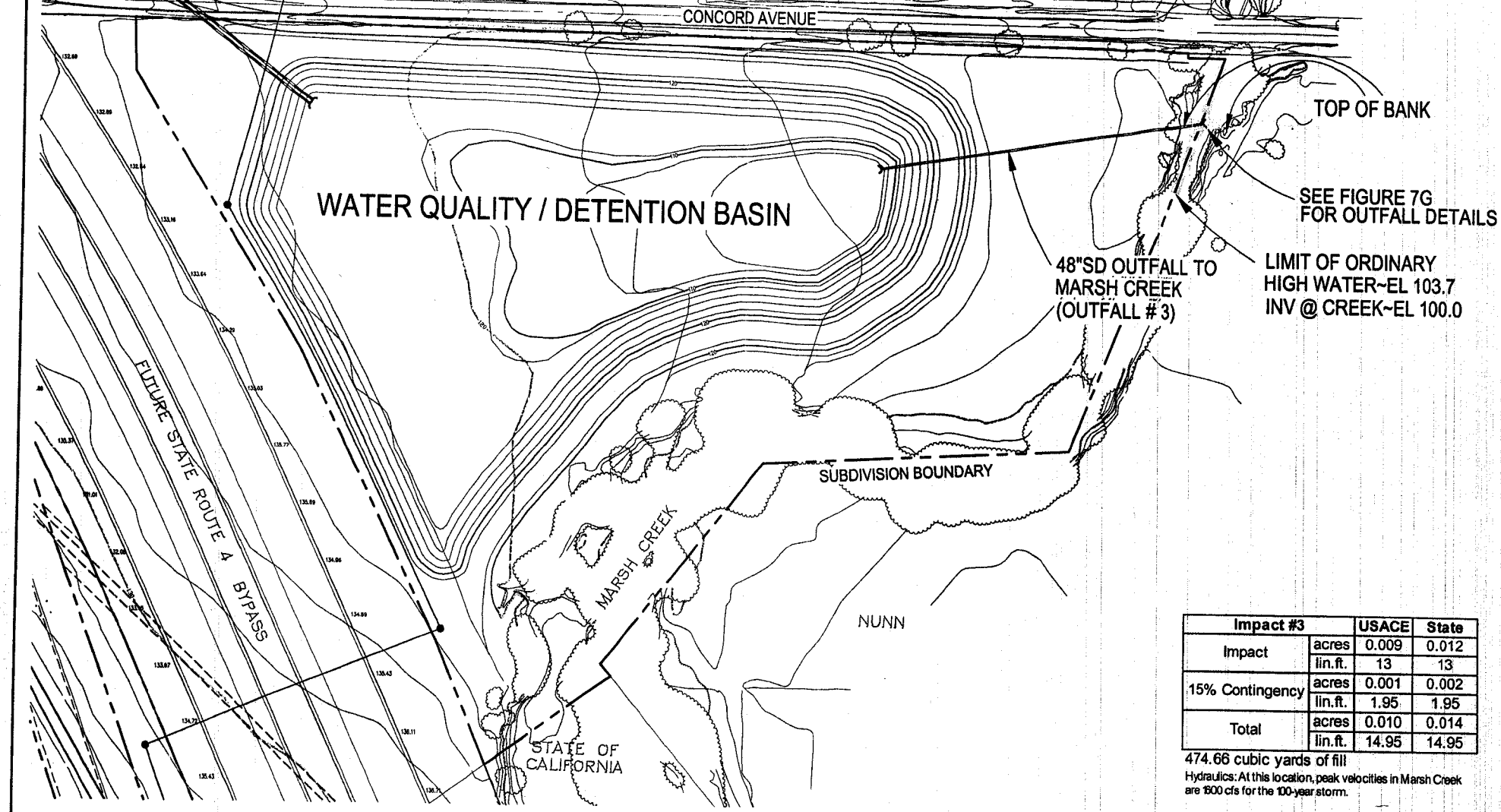
JANUARY 29, 2004

Modified by Sycamore Associates March 11, 2004

Carlson, Barbee & Gibson, Inc.

CIVIL ENGINEERS • SURVEYORS • PLANNERS

FIGURE NO. 7D



Impact #3		USACE	State
Impact	acres	0.009	0.012
	lin.ft.	13	13
15% Contingency	acres	0.001	0.002
	lin.ft.	1.95	1.95
Total	acres	0.010	0.014
	lin.ft.	14.95	14.95

474.66 cubic yards of fill

Hydraulics: At this location, peak velocities in Marsh Creek are 1600 cfs for the 100-year storm.

PROPOSED OUTFALL STRUCTURE #3 TO MARSH CREEK

VINEYARDS AT MARSH CREEK

CONTRA COSTA COUNTY, CALIFORNIA

0' 100' 150' 200'

SCALE: 1"= 100'

JANUARY 29, 2004

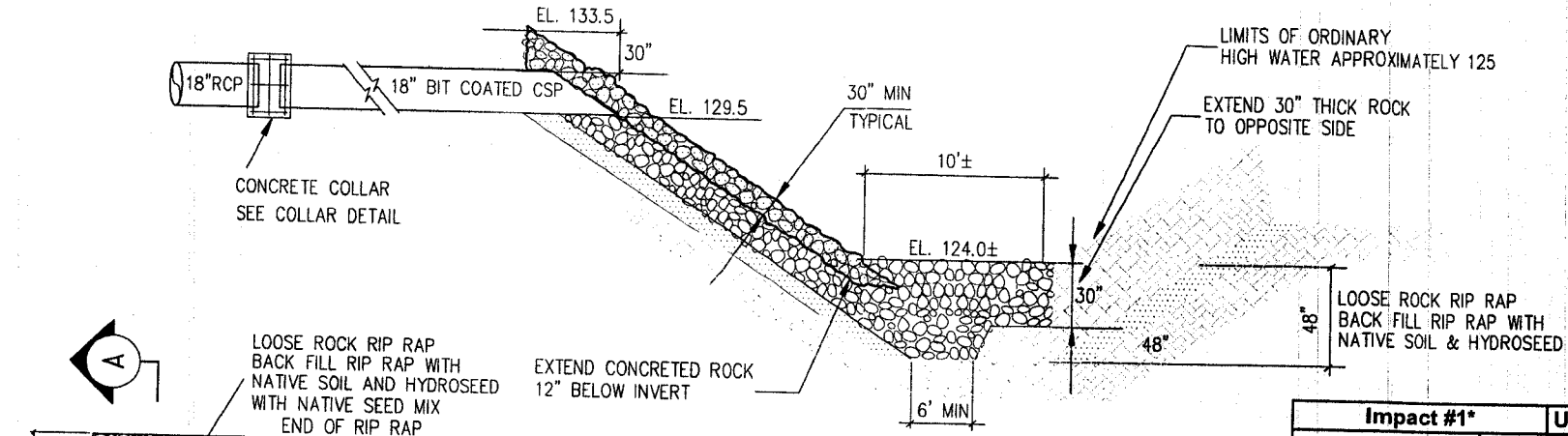
Modified by Sycamore Associates March 11, 2004

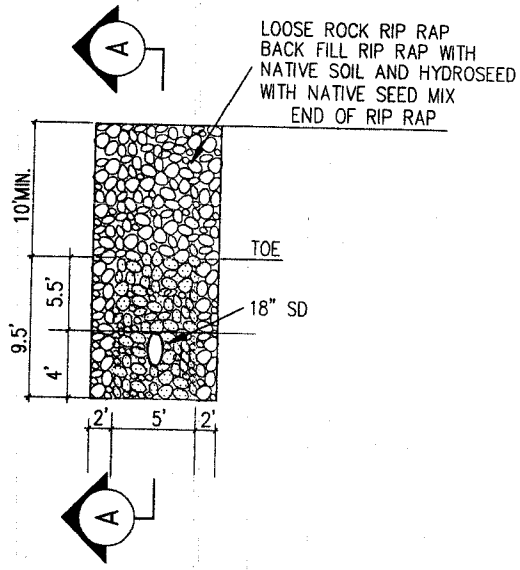
Carlson, Barbee & Gibson, Inc.

CIVIL ENGINEERS • SURVEYORS • PLANNERS

FIGURE NO. 7F

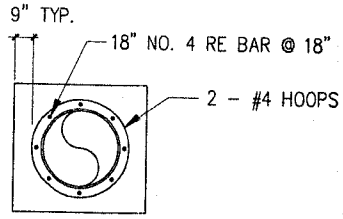
PN 200300007 Figure 5 of 9





SECTION A-A

MODIFIED CONTRA COSTA COUNTY CD50I OUTFALL DETAIL



COLLAR DETAIL

Impact #1*		USACE	State
Impact	acres	0.183	0.371
	lin.ft.	140	140
15% Contingency	acres	0.027	0.056
	lin.ft.	21	21
Total	acres	0.210	0.427
	lin.ft.	161	161

5,500 cubic yards of fill

Hydraulics: At this location, peak velocities in Marsh Creek are 1600 cfs for the 100-year storm.

*Includes impacts associated with Fairview Avenue bridge

NOTE:

1. CONCRETE - ROCK SLOPE PROTECTION SHALL CONFORM TO THE STATE STANDARD SPECIFICATIONS.
2. GROUTED AND LOOSE ROCK RIP RAP SHALL CONFORM TO COUNTY ORDINANCE SPECIFICATIONS.
3. FILTER MATERIAL SHALL CONFORM TO THE COUNTY ORDINANCE SPECIFICATIONS.

OUTFALL STRUCTURE #1
VINEYARDS AT MARSH CREEK

CONTRA COSTA COUNTY, CALIFORNIA

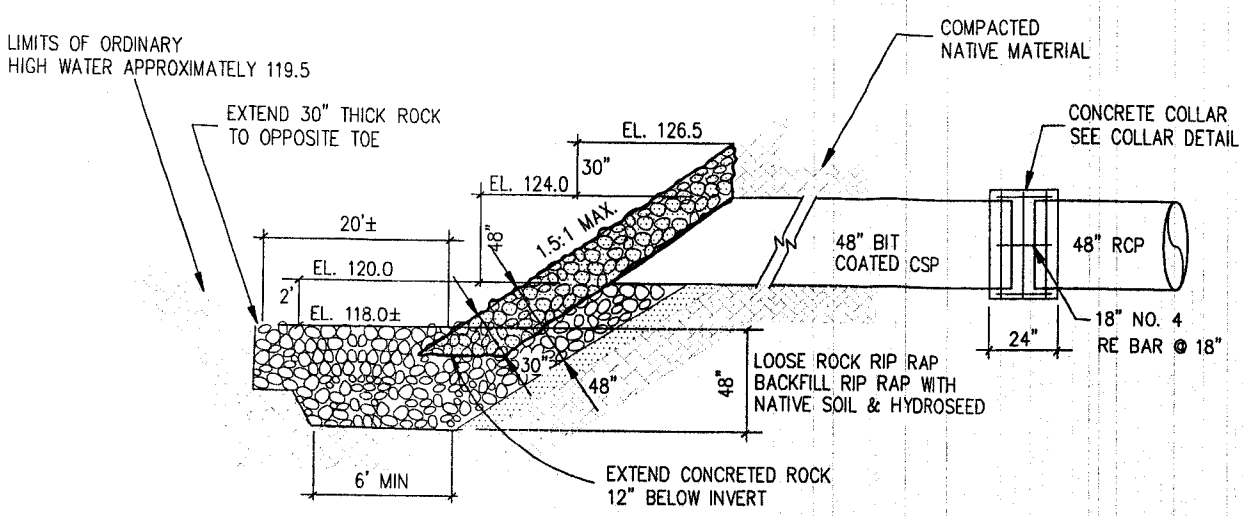
JANUARY 29, 2004

Modified by Sycamore Associates March 11, 2004

Carlson, Barbee & Gibson, Inc.

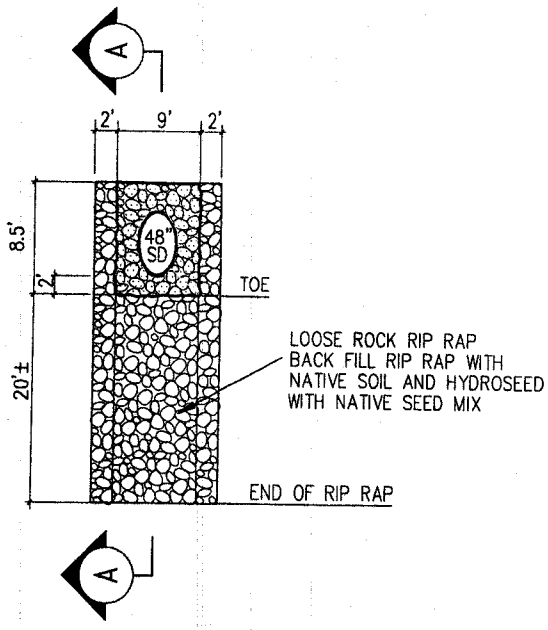
FIGURE NO. 7C

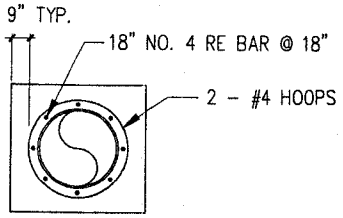
PN 200300007 Figure 6 of 9



SECTION A-A

MODIFIED CONTRA COSTA COUNTY CD501 OUTFALL DETAIL





COLLAR DETAIL

Impact #2		USACE	State
Impact	acres	0.011	0.025
	lin.ft.	13	13
15% Contingency	acres	0.002	0.004
	lin.ft.	1.95	1.95
Total	acres	0.013	0.029
	lin.ft.	14.95	14.95

659.55 cubic yards of fill

Hydraulics: At this location, peak velocities in Marsh Creek are 1600 cfs for the 100-year storm.

NOTE:

1. CONCRETE - ROCK SLOPE PROTECTION SHALL CONFORM TO THE STATE STANDARD SPECIFICATIONS.
2. GROUTED AND LOOSE ROCK RIP RAP SHALL CONFORM TO COUNTY ORDINANCE SPECIFICATIONS.
3. FILTER MATERIAL SHALL CONFORM TO THE COUNTY ORDINANCE SPECIFICATIONS.

OUTFALL STRUCTURE #2

VINEYARDS AT MARSH CREEK

CONTRA COSTA COUNTY, CALIFORNIA

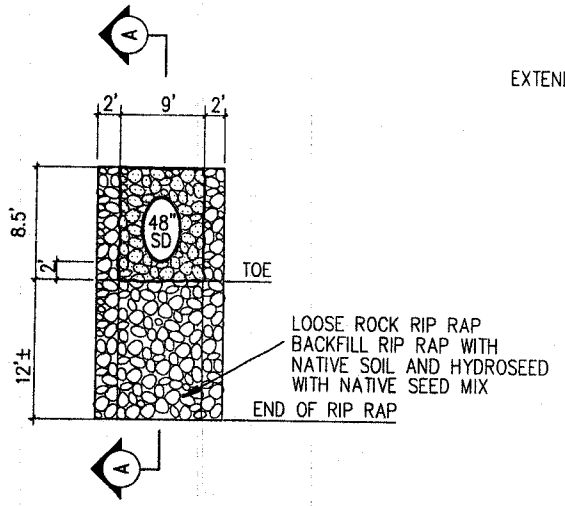
JANUARY 29, 2004

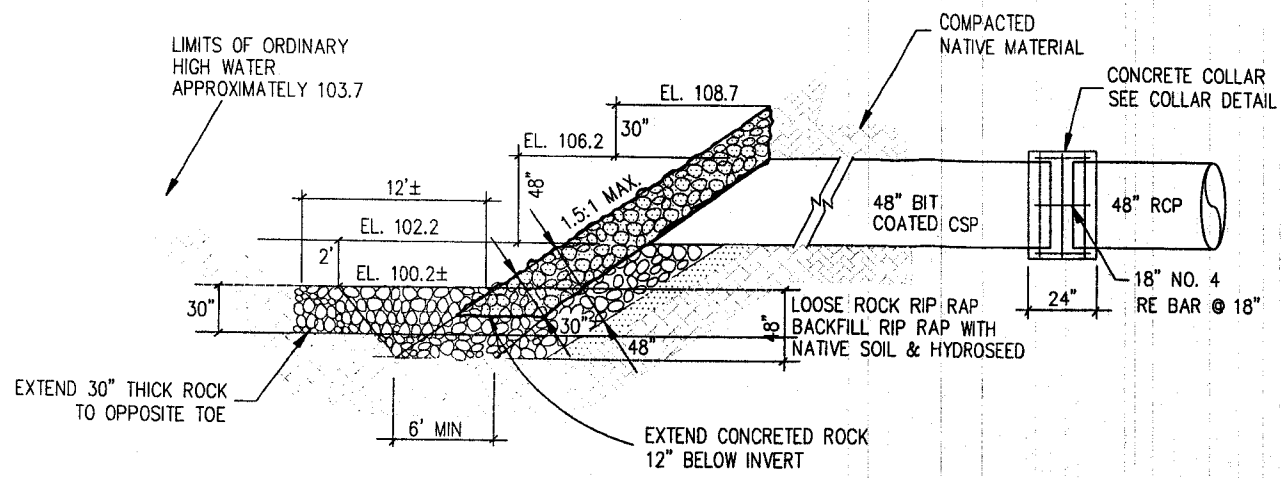
Modified by Sycamore Associates March 11, 2004

Carlson, Barbee & Gibson, Inc.

CIVIL ENGINEERS • SURVEYORS • PLANNERS

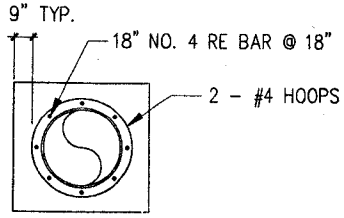
FIGURE NO. 7E





SECTION A-A

MODIFIED CONTRA COSTA COUNTY CD501 OUTFALL DETAIL



COLLAR DETAIL

NOTE:

1. CONCRETE – ROCK SLOPE PROTECTION SHALL CONFORM TO THE STATE STANDARD SPECIFICATIONS.
2. GROUTED AND LOOSE ROCK RIP RAP SHALL CONFORM TO COUNTY ORDINANCE SPECIFICATIONS.
3. FILTER MATERIAL SHALL CONFORM TO THE COUNTY ORDINANCE SPECIFICATIONS.

Impact #3		USACE	State
Impact	acres	0.009	0.012
	lin.ft.	13	13
15% Contingency	acres	0.001	0.002
	lin.ft.	1.95	1.95
Total	acres	0.010	0.014
	lin.ft.	14.95	14.95

474.66 cubic yards of fill

Hydraulics: At this location, peak velocities in Marsh Creek are 1600 cfs for the 100-year storm.

OUTFALL STRUCTURE #3
VINEYARDS AT MARSH CREEK

CONTRA COSTA COUNTY, CALIFORNIA

JANUARY 29, 2004

Modified by Sycamore Associates March 11, 2004

Carlson, Barbee & Gibson, Inc.

CIVIL ENGINEERS • SURVEYORS • PLANNERS

FIGURE NO. 7G

PN 200300007 Figure 8 of 9

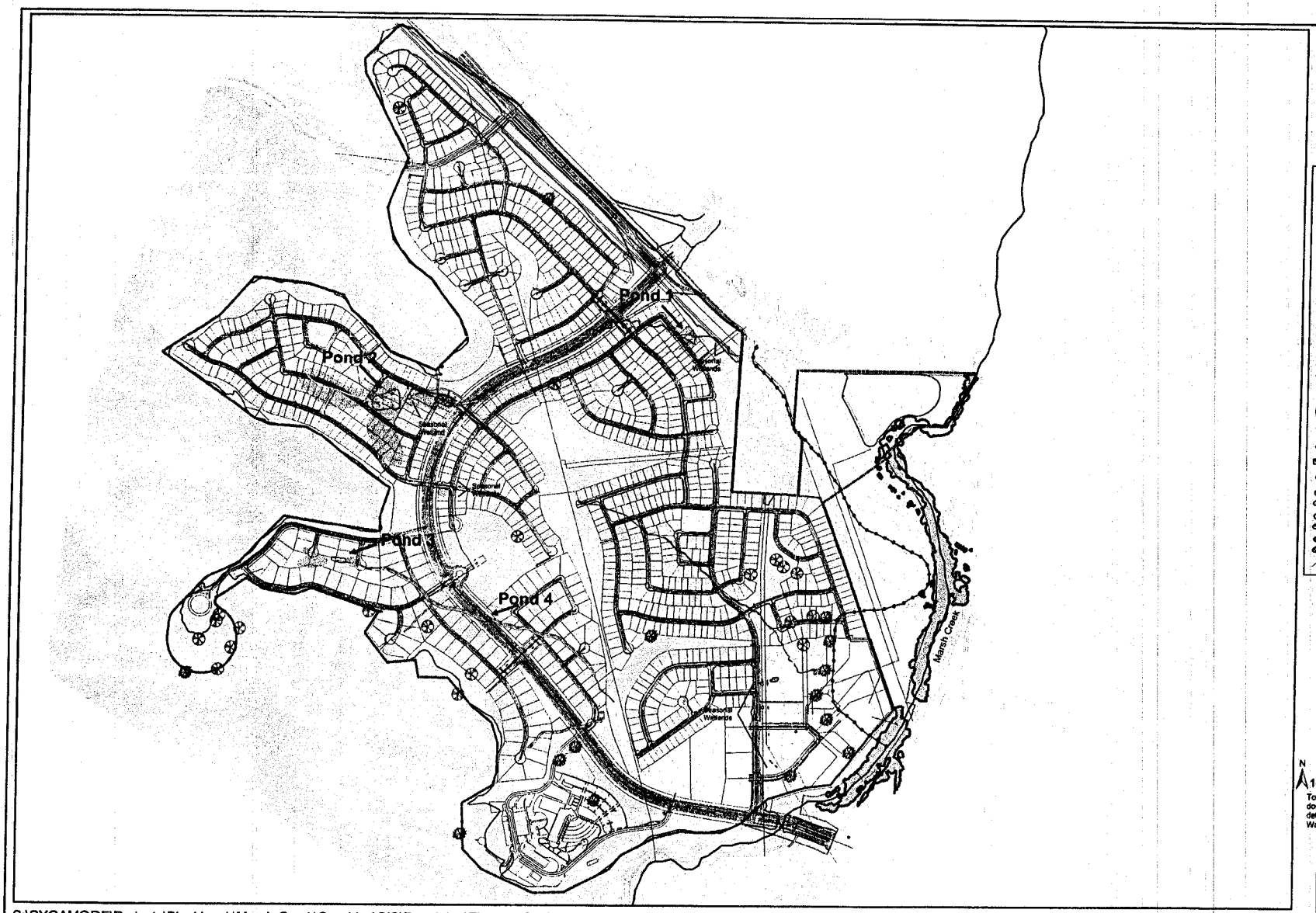


Figure 8
Development Impacts to Jurisdictional Features
The Vineyards at Marsh Creek
Brentwood, California

Legend

- Property Boundary
- Site Plan
- Limits of Grading
- Wetland Delineation Study Area Limits

Special Status Natural Communities

- Great Valley Mixed Riparian Forest
- Alkali meadows, grassland, or scalds

Trees

- Valley Oak *(Quercus lobata)*
- Blue Oak *(Quercus douglasii)*

Other Vegetation Communities

- Non-Native Annual Grassland

Wetlands & Aquatic Habitat

- Marsh Creek
- Intermittent Drainages
- Manmade Canals
- Seasonal Wetlands
- Ponds
- Former Stock Pond
- Topographic Contours

Aquatic Feature		Waters of the US
Intermittent Drainage/Unvegetated Waters	sq ft	11,326
	acres	0.26
	lin ft	2,568
Seasonal Wetlands	sq ft	1,107
	acres	0.03
Stock Ponds	sq ft	35,284
	acres	0.81
Subtotal Lots and Infrastructure	sq ft	47,917
	acres	1.10
	lin ft	2,568
Subtotal Marsh Creek Improvements	sq ft	10,150
	acres	0.23
	lin ft	191
Total Project	sq ft	58,066
	acres	1.33
	lin ft	2,759

N
1:9,600 0 800
1 inch = 800 feet Feet

Topographic base provided by Zentner & Zentner (2003). This document not intended for detailed design work. Wetlands delineation by Zentner & Zentner (2003). Additional habitat and Waters of the State mapped by Sycamore Associates LLC (2003).

Sycamore Associates, LLC
2099 Mt. Diablo Blvd, Suite 204
Walnut Creek, CA 94596
925.279.0580
www.syclic.com

S:\SYCAMORE\Projects\Blackhawk\Marsh Creek\Graphics\GIS\Permitting\Figure 8 On-Site Development Envelope Impacts to Jurisdictional Features 042804.mxd 4/28/04