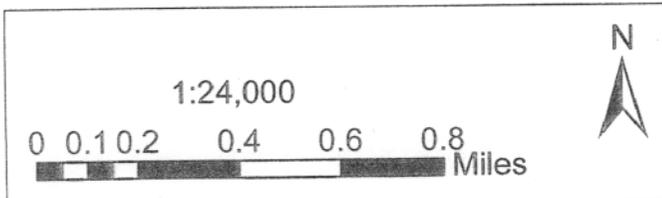


Figure 1 of 3

Purpose: Single Family Residential Development and Shoreline Reinforcement
 Datum: NAD 1983 UTM 10

Applicant:
 Mr. Curt Blomstrand
 Benicia Associates, LP
 3675 Mt. Diablo Blvd., Ste. 50
 Lafayette, CA 94549

Location of the Benicia Waterfront Village Project Site
 Benicia, Solano County California



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

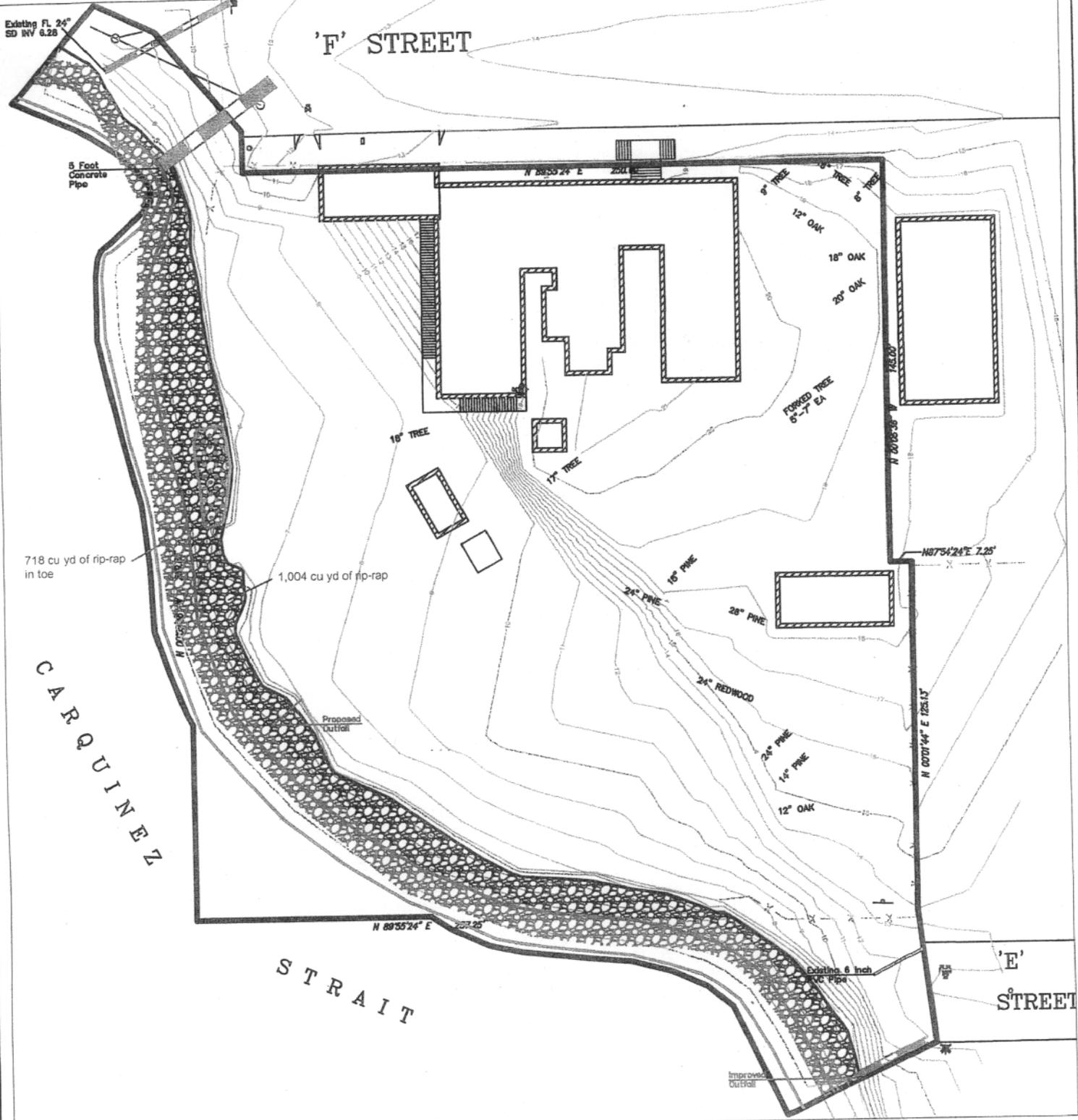


Figure 2 of 3
 Proposed Shoreline Reinforcement and
 Outfall Placement of the
 Benicia Waterfront Village Project
 Benicia, Solano County, California

LEGEND

Purpose: Single Family Residential Development and Shoreline Reinforcement
 Datum: N/A

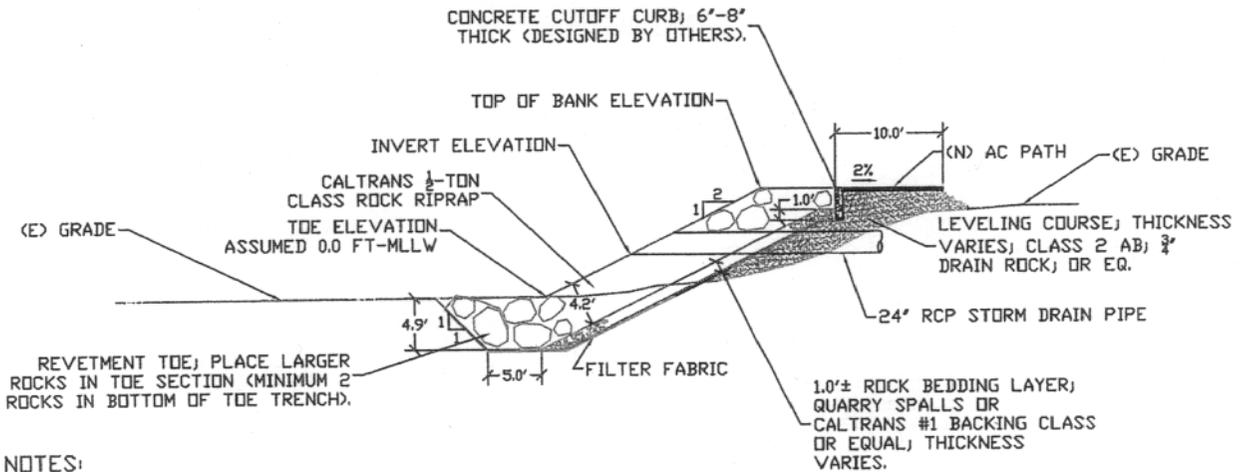
	Limits of Study Area		Proposed Outfalls
	Limits of High Tide Within the Study Area (USACE Jurisdiction)		Chain Link Fence
	Approximate Low Tide Line		Toe and Slope Impacts Below Ordinary High Water
	Northern Coastal Salt Marsh		Existing Structures
	Existing Outfalls		

SCALE: 1" = 50 ft.
 1:600

N

Applicant:
 Mr. Curt Blomstrand
 Benicia Associates, LP
 3675 Mt. Diablo Blvd., Ste. 50
 Lafayette, CA 94549

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



GENERAL NOTES:

1. ROCK RIPRAP SHALL HAVE A MIN. SPECIFIC GRAVITY OF 2.64 AND SHALL COMPLY WITH CALTRANS SECTION 72 REQUIREMENTS.
2. PLACEMENT SHALL BE BY METHOD "B". ROCKS SHALL BE PLACED TO PROVIDE A MINIMUM OF VOIDS. LARGER ROCKS SHALL BE PLACED IN THE TOE TRENCH AND OUTER SURFACE OF THE REVETMENT. SOME REWORKING OF INDIVIDUAL ROCKS MAY BE REQUIRED TO OBTAIN THE PROPER INTERLOCKING AND GRADATION AS DIRECTED BY THE PROJECT ENGINEER. FILTER FABRIC DAMAGED DURING PLACEMENT OF BEDDING OR RIPRAP LAYERS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
3. FILTER FABRIC IN TOE TRENCH SHALL BE EXTENDED BEYOND THE EDGE OF THE TRENCH, FOLDED BACK OVER SOME OF THE FIRST COURSE OF TOE ROCK AND BURIED WITH REMAINING TOE ROCK TO FORM A "DUTCH TOE". FILTER FABRIC AT CREST OF REVETMENT SHALL EXTEND UNDER CUTOFF CURB AND BE SECURED WITHIN THE LEVELING COURSE.
4. FILTER FABRIC SHALL BE SPECIFIED AFTER INPUT FROM GEOTECHNICAL ENGINEER REGARDING GRADATION OF SUBSURFACE MATERIALS.
5. EXCAVATION, SUBGRADE PREPARATION, FILL, ROCK PLACEMENT AND OTHER CONSTRUCTION ACTIVITIES ASSOCIATED WITH REVETMENT CONSTRUCTION SHALL ALSO COMPLY WITH GEOTECHNICAL ENGINEER RECOMMENDATIONS, PROJECT SPECIFICATIONS, AND PERMIT REQUIREMENTS.

**TYPICAL ROCK REVETMENT* &
OUTFALL SECTION**

* DESIGNED BY: CHARLES I. RAUW, P.E. (# C 33466)

Purpose: Single Family Residential Development and Shoreline Reinforcement
Datum: N/A

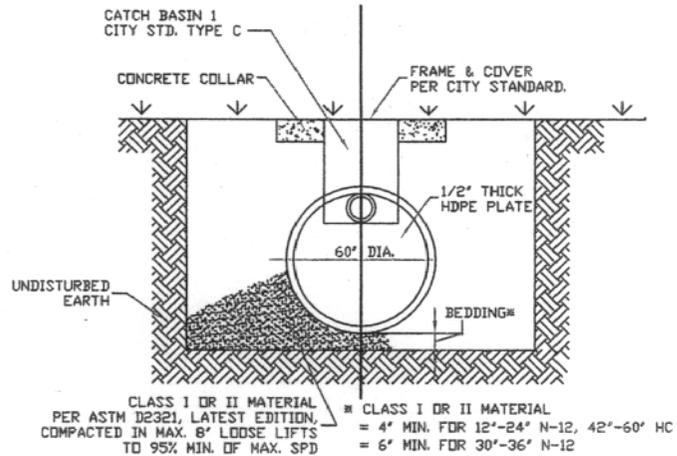
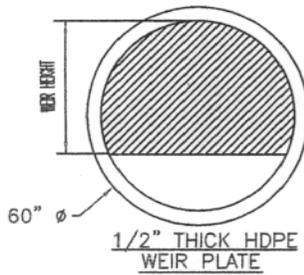
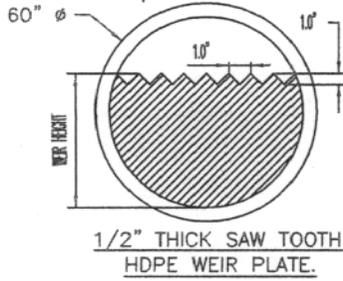
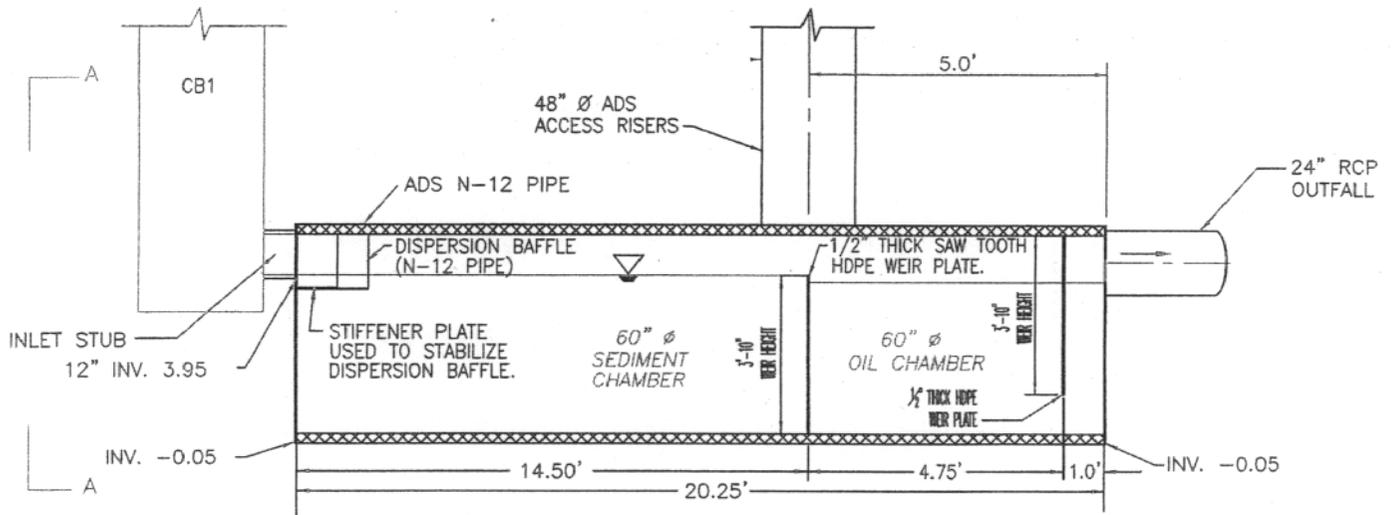
Cross-Section

Applicant:
Mr. Curt Blomstrand
Benicia Associates, LP
3675 Mt. Diablo Blvd., Ste. 50
Lafayette, CA 94549

Figure 3 of 4
Proposed Shoreline Reinforcement and Outfall Placement of the Benicia Waterfront Village Project Benicia, Solano County, California



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



CLASS I OR II MATERIAL PER ASTM D2321, LATEST EDITION, COMPACTED IN MAX. 8" LOOSE LIFTS TO 95% MIN. OF MAX. SPD

* CLASS I OR II MATERIAL = 4" MIN. FOR 12"-24" N-12, 42"-60" HC = 6" MIN. FOR 30"-36" N-12

SECTION A-A

ADS WATER QUALITY UNIT

NOTES:
 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
 ALL PIPE AND FITTINGS ARE ADS N-12 ANNULAR UNLESS OTHERWISE SPECIFIED.

Purpose: Single Family Residential Development and Shoreline Reinforcement
 Datum: N/A

Engineering Drawings
 Provided By:
 Aliquot 1390 South Main Street, St. 310
 Walnut Creek, CA 94596

Cross-Section

Applicant:
 Mr. Curt Blomstrand
 Benicia Associates, LP
 3675 Mt. Diablo Blvd., Ste. 50
 Lafayette, CA 94549

Figure 4 of 4
 Proposed Water Quality Basin of the Benicia Waterfront Village Project Benicia, Solano County, California



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