Application No. 9856-1 Agenda Item No. 6A

Meeting of the Central Valley Flood Protection Board March 22, 2013

Staff Report – Encroachment Permit City of Red Bluff Boat Ramp, Tehama County

1.0 - ITEM

Consider approval of Permit No. 9856-1 (Attachment B)

2.0 – APPLICANT

City of Red Bluff

3.0 - LOCATION

The project is located on the right bank of the Sacramento River, approximately 0.4 miles downstream of the Antelope Blvd. bridge in Red Bluff (Sacramento River, Tehama County, see Attachment A)

4.0 - DESCRIPTION

Applicant proposes to repair and reconstruct an existing boat ramp at the Red Bluff River Park, which was previously authorized under Permit No. 9856 issued on December 6, 1974 (see Attachment C).

5.0 - PROJECT ANALYSIS

Construction of the new ramp became necessary to provide river access because the existing ramp became isolated from the Sacramento River due to the permanent opening of the diversion gates at the downstream Red Bluff Diversion Dam and the resulting receding of Lake Red Bluff. The project will include the construction of a new ramp (24-ft wide by 100-ft long); 24-feet wide and approximately 480-feet long access ramp; and a maneuver area of approximately 8,000 square feet, including placement of rock slope protection around the ramp to provide scour protection.

Angeles Caliso 1

5.1 - Hydraulic Analysis

The proposed ramp and access ramp will be flush with the existing ground. The hydraulic impacts of the proposed project are considered negligible therefore a hydraulic analysis was not required.

5.2 - Geotechnical Analysis

The scope of work for this project does not require a geotechnical analysis.

6.0 - AGENCY COMMENTS AND ENDORSEMENTS

The comments and endorsements associated with this project, from all pertinent agencies are shown below:

- The U.S. Army Corps of Engineers 208.10 comment letter <u>has been received</u> for this application. The USACE District Engineer has no comments or recommendations for the project because it does not affect a federally constructed project. The letter is attached to the permit as Exhibit A in reference to the project.
- Tehama County Flood Control and Water Conservation District supports the application as stated in their letter dated November 20, 2012. The letter is attached to the permit as Exhibit B in reference to the project.

7.0 – CEQA ANALYSIS

Board staff has prepared the following California Environmental Quality Act (CEQA) determination:

The Board determined that the project is categorically exempt from CEQA under a Class 1 Categorical Exemption (CEQA Guidelines Section 15301) covering minor alteration to existing facilities and a Class 2 Categorical Exemption (CEQA Guidelines Section 15302) covering replacement or reconstruction of existing structures.

8.0 - SECTION 8610.5 CONSIDERATIONS

1. Evidence that the Board admits into its record from any party, State or local public agency, or nongovernmental organization with expertise in flood or flood plain management:

Angeles Caliso 2

Application No. 9856-1 Agenda Item No. 6A

The Board will make its decision based on the evidence in the permit application and attachments, this staff report, and any other evidence presented by any individual or group.

The best available science that related to the scientific issues presented by the executive officer, legal counsel, the Department or other parties that raise credible scientific issues.

The accepted industry standards for the work proposed under this permit as regulated by Title 23 have been applied to the review of this permit.

3. Effects of the decision on the entire State Plan of Flood Control:

The proposed boat ramp will have no adverse effect on facilities of the State Plan of Flood Control and is consistent with the Central Valley Flood Protection Plan.

4. Effects of reasonable projected future events, including, but not limited to, changes in hydrology, climate, and development within the applicable watershed:

There will be no effects to the proposed project from reasonable projected future events.

9.0 - STAFF RECOMMENDATION

Staff recommends that the Board find the project exempt from CEQA, approve the permit, and direct staff to file a Notice of Exemption with the State Clearinghouse.

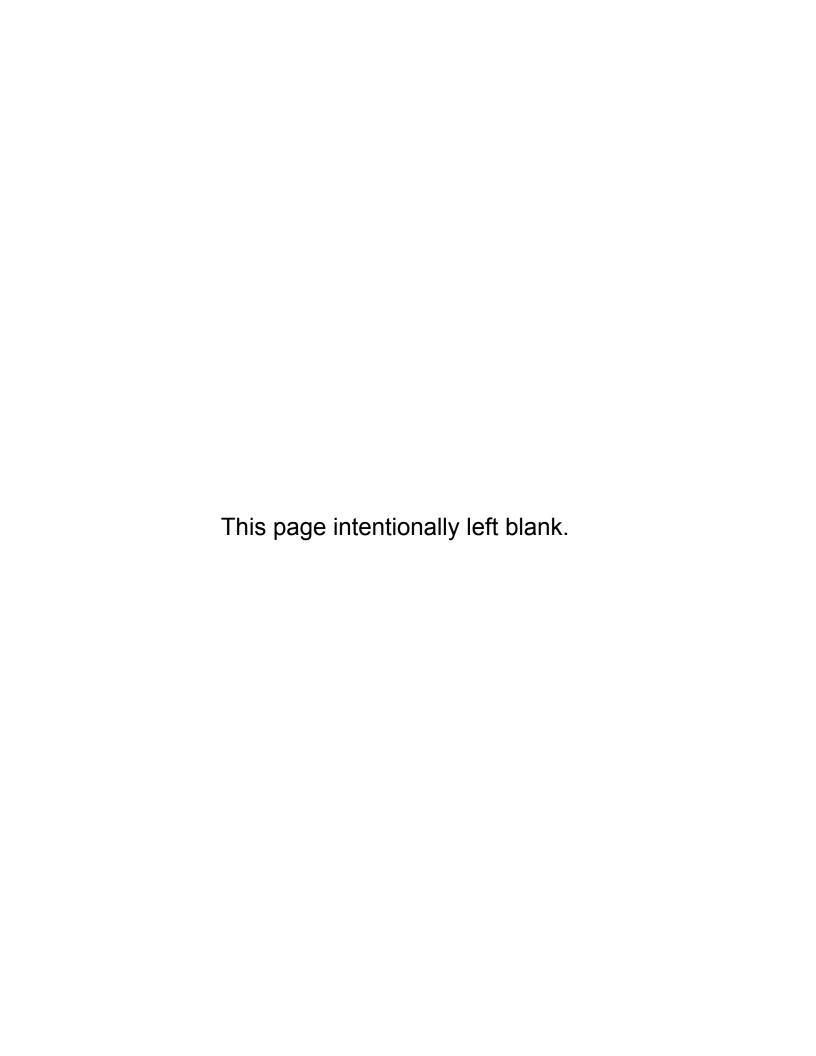
10.0 – LIST OF ATTACHMENTS

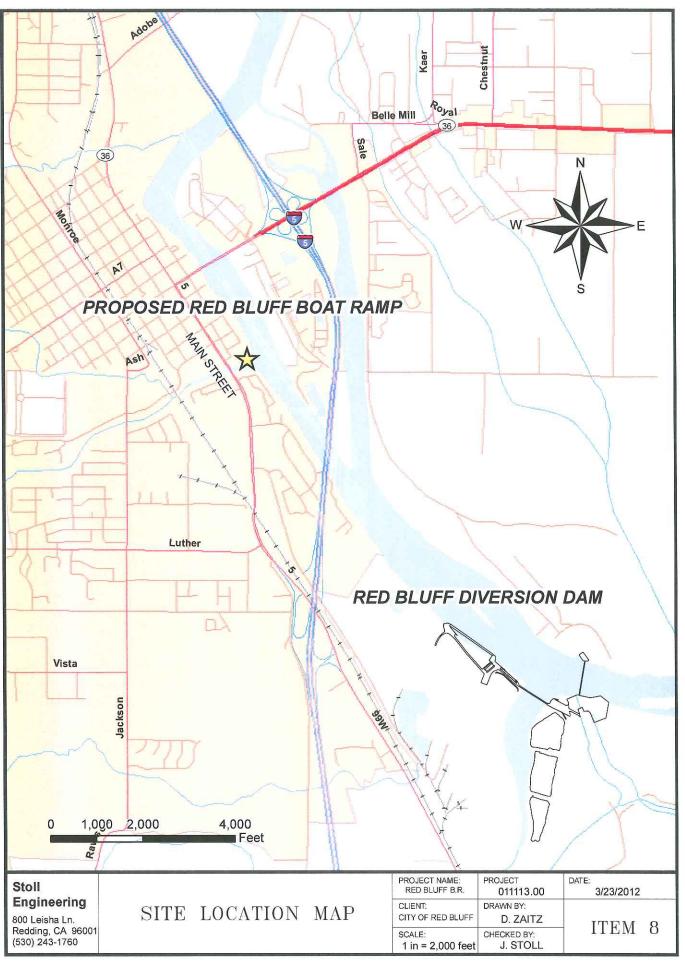
- A. Location Maps and Photos
- B. Draft Permit No. 9856-1
- C. Permit No. 9856 issued December 6, 1974
- D. Design Drawings

Design Review: Angeles Caliso

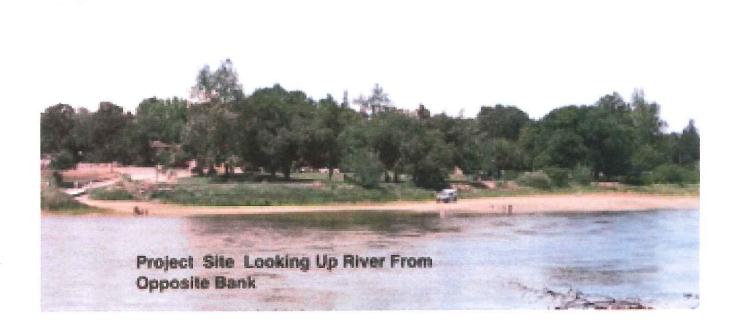
Environmental Review: James Herota, Andrea Mauro Document Review: Gary Lemon P.E., Len Marino P.E.

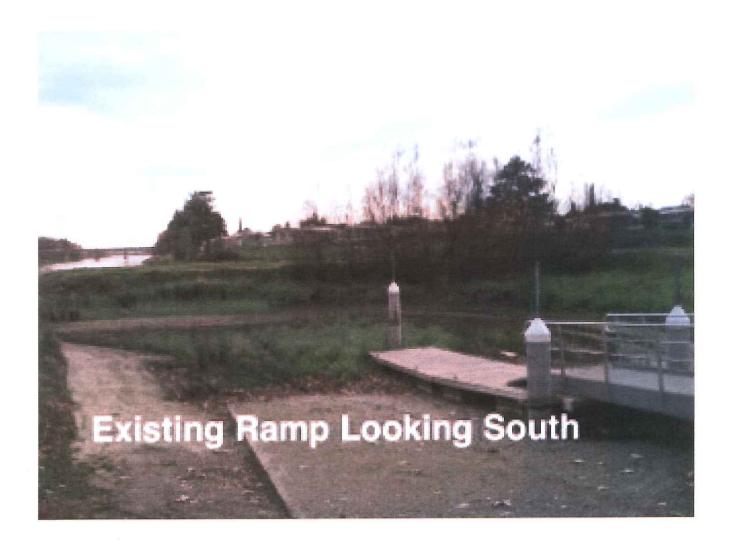
Angeles Caliso 3

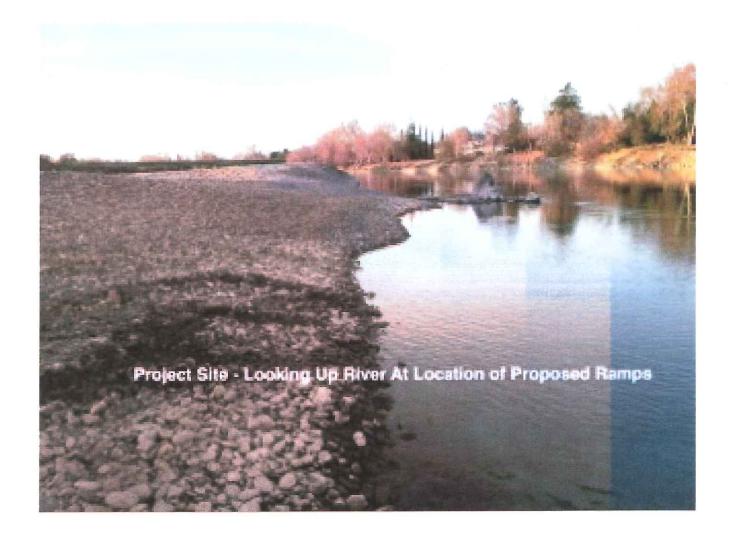


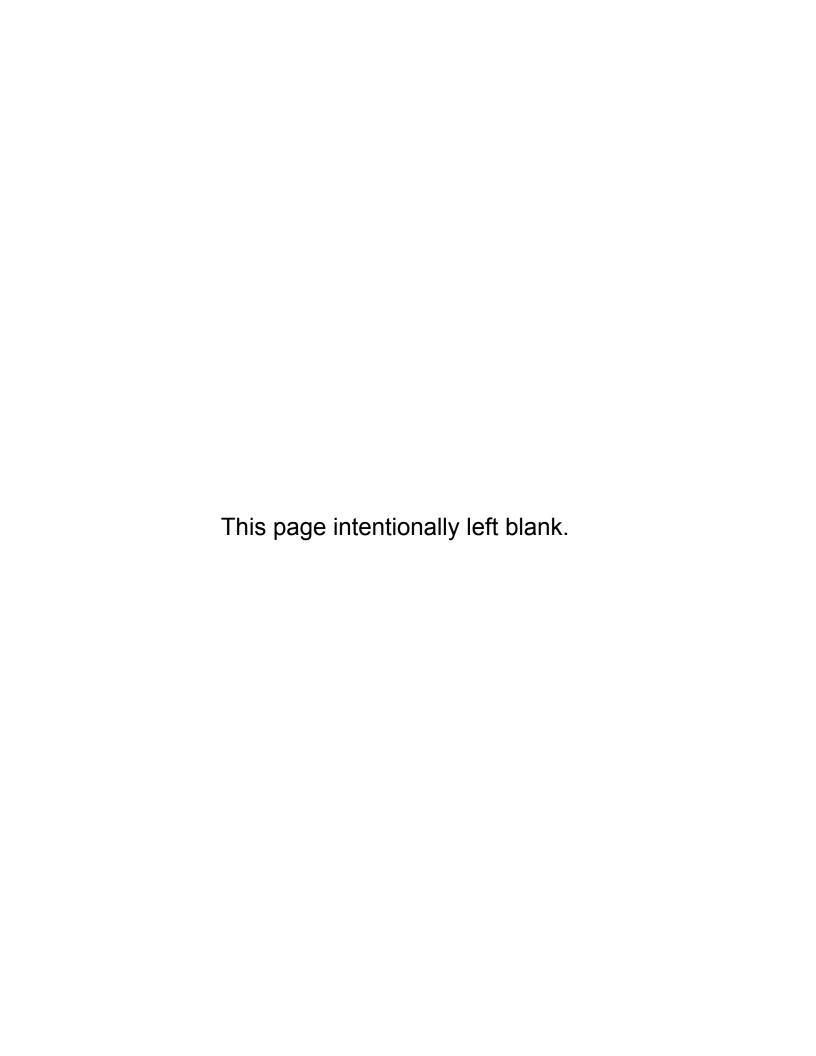












STATE OF CALIFORNIA THE RESOURCES AGENCY

THE CENTRAL VALLEY FLOOD PROTECTION BOARD

PERMIT NO. 9856-1 BD

This Permit is issued to:

City of Red Bluff 555 Washington Street Red Bluff, California 96080

To repair and reconstruct an existing boat ramp at the Red Bluff River Park. The project includes constructing a new ramp, a 24-foot wide access road approximately 480 feet long, 8,000 square foot maneuver area, and rock slope protection. The project is located on the right bank of the Sacramento River approximately 0.4 miles downstream of the Antelope Blvd. bridge in Red Bluff. (Section 20, T27N, R3W, MDB&M, Sacramento River, Tehama County).

NOTE: Special Conditions have been incorporated herein which may place limitations on and/or require modification of your proposed project as described above.

Dated:	
	Executive Officer

GENERAL CONDITIONS:

ONE: This permit is issued under the provisions of Sections 8700 – 8723 of the Water Code.

TWO: Only work described in the subject application is authorized hereby.

THREE: This permit does not grant a right to use or construct works on land owned by the Sacramento and San Joaquin Drainage District or on any other land.

FOUR: The approved work shall be accomplished under the direction and supervision of the State Department of Water Resources, and the permittee shall conform to all requirements of the Department and The Central Valley Flood Protection Board.

FIVE: Unless the work herein contemplated shall have been commenced within one year after issuance of this permit, the Board reserves the right to change any conditions in this permit as may be consistent with current flood control standards and policies of The Central Valley Flood Protection Board.

SIX: This permit shall remain in effect until revoked. In the event any conditions in this permit are not complied with, it may be revoked on 15 days' notice.

SEVEN: It is understood and agreed to by the permittee that the start of any work under this permit shall constitute an acceptance of the conditions in this permit and an agreement to perform work in accordance therewith.

EIGHT: This permit does not establish any precedent with respect to any other application received by The Central Valley Flood Protection Board.

NINE: The permittee shall, when required by law, secure the written order or consent from all other public agencies having jurisdiction.

TEN: The permittee is responsible for all personal liability and property damage which may arise out of failure on the permittee's part to perform the obligations under this permit. If any claim of liability is made against the State of California, or any departments thereof, the United States of America, a local district or other maintaining agencies and the officers, agents or employees thereof, the permittee shall defend and shall hold each of them harmless from each claim.

ELEVEN: The permittee shall exercise reasonable care to operate and maintain any work authorized herein to preclude injury to or damage to any works necessary to any plan of flood control adopted by the Board or the Legislature, or interfere with the successful execution, functioning or operation of any plan of flood control adopted by the Board or the Legislature.

TWELVE: Should any of the work not conform to the conditions of this permit, the permittee, upon order of The Central Valley Flood Protection Board, shall in the manner prescribed by the Board be responsible for the cost and expense to remove, alter, relocate, or reconstruct all or any part of the work herein approved.

SPECIAL CONDITIONS FOR PERMIT NO. 9856-1 BD

THIRTEEN: All work approved by this permit shall be in accordance with the submitted drawings and specifications except as modified by special permit conditions herein. No further work, other than that approved by this permit, shall be done in the area without prior approval of the Central Valley Flood Protection Board.

FOURTEEN: The permittee is responsible for all liability associated with construction, operation, and maintenance of the permitted facilities and shall defend, indemnify, and hold the Central Valley Flood Protection Board and the State of California; including its agencies, departments, boards, commissions, and their respective officers, agents, employees, successors and assigns (collectively, the "State"), safe and harmless, of and from all claims and damages arising from the project undertaken pursuant to this permit, all to the extent allowed by law. The State expressly reserves the right to supplement or take over its defense, in its sole discretion

FIFTEEN: The permittee shall defend, indemnify, and hold the Central Valley Flood Protection Board and the State of California, including its agencies, departments, boards, commissions, and their respective officers, agents, employees, successors and assigns (collectively, the "State"), safe and harmless, of and from all claims and damages related to the Central Valley Flood Protection Board's approval of this permit, including but not limited to claims filed pursuant to the California Environmental Quality Act. The State expressly reserves the right to supplement or take over its defense, in its sole discretion.

SIXTEEN: The Central Valley Flood Protection Board and Department of Water Resources shall not be held liable for damages to the permitted encroachment(s) resulting from releases of water from reservoirs, flood fight, operation, maintenance, inspection, or emergency repair.

SEVENTEEN: No construction work of any kind shall be done during the flood season from November 1st to April 15th without prior approval of the Central Valley Flood Protection Board.

EIGHTEEN: The permittee shall contact the Department of Water Resources by telephone, (916) 574-0609, and submit the enclosed postcard to schedule a preconstruction conference. Failure to do so at least 10 working days prior to start of work may result in delay of the project.

NINETEEN: Stockpiled material, temporary buildings, or equipment shall not remain in the Floodway during the flood season from November 1st to April 15th.

TWENTY: The overflow area and project site shall be restored to at least the same condition that existed prior to commencement of work.

TWENTY-ONE: All debris generated by this project shall be disposed of outside the Floodway.

TWENTY-TWO: Debris that may accumulate on the permitted encroachment(s) and related facilities shall be cleared off and disposed of outside the Floodway after each period of high water.

TWENTY-THREE: The permittee shall maintain the permitted encroachment(s) in the manner required and as requested by the authorized representative of the Department of Water Resources or any other agency responsible for maintenance.

TWENTY-FOUR: In the event that bank erosion injurious to the adopted plan of flood control occurs at or adjacent to the permitted encroachment(s), the permittee shall repair the eroded area and propose measures, to be approved by the Central Valley Flood Protection Board, to prevent further erosion.

TWENTY-FIVE: The permitted encroachment(s) shall not interfere with operation and maintenance of the flood control project. If the permitted encroachment(s) are determined by any agency responsible for operation or maintenance of the flood control project to interfere, the permittee shall be required, at permittee's cost and expense, to modify or remove the permitted encroachment(s) under direction of the Central Valley Flood Protection Board or Department of Water Resources. If the permittee does not comply, the Central Valley Flood Protection Board may modify or remove the encroachment(s) at the permittee's expense.

TWENTY-SIX: The permittee may be required, at permittee's cost and expense, to remove, alter, relocate, or reconstruct all or any part of the permitted encroachment(s) if removal, alteration, relocation, or reconstruction is necessary as part of or in conjunction with any present or future flood control plan or project or if damaged by any cause. If the permittee does not comply, the Central Valley Flood Protection Board may remove the encroachment(s) at the permittee's expense.

TWENTY-SEVEN: If the project, or any portion thereof, is to be abandoned in the future, the permittee or successor shall abandon the project under direction of the Central Valley Flood Protection Board and Department of Water Resources, at the permittee's or successor's cost and expense.

TWENTY-EIGHT: The letter from the Department of the Army dated February 13, 2013 is attached to this permit as Exhibit A in reference to this project.

TWENTY-NINE: Upon completion of the project, the permittee shall submit As-Built Drawings to:

Department of Water Resources, Flood Project Inspection Section, 3310 El Camino Avenue, Suite 256, Sacramento, California 95821.

ATTACHMENT B EXHIBIT A



DEPARTMENT OF THE ARMY
U.S. Army Engineer District, Sacramento
Corps of Engineers
1325 J Street
Sacramento, California 95814-2922

Flood Protection and Navigation Section (9856-1)

FEB 1 3 2013

Mr. Jay Punia, Executive Officer Central Valley Flood Protection Board 3310 El Camino Avenue, Room 151 Sacramento, California 95821

Dear Mr. Punia:

We have reviewed a permit application by the City of Red Bluff, California (application number 9856-1). This project includes repairing and reconstructing an existing boat ramp at the Red Bluff River Park which includes constructing a new ramp, a 24 foot wide access ramp approximately 480 feet long, an 8,000 square foot maneuver area, and placing rock slope protection. The project is located on the right bank of the Sacramento River approximately 0.4 miles downstream of the Antelope Boulevard bridge in Red Bluff, at 40.1727°N 122.2290°W NAD83, Tehama County, California.

The District Engineer has no comments or recommendations regarding flood control because the proposed work does not affect a federally constructed project.

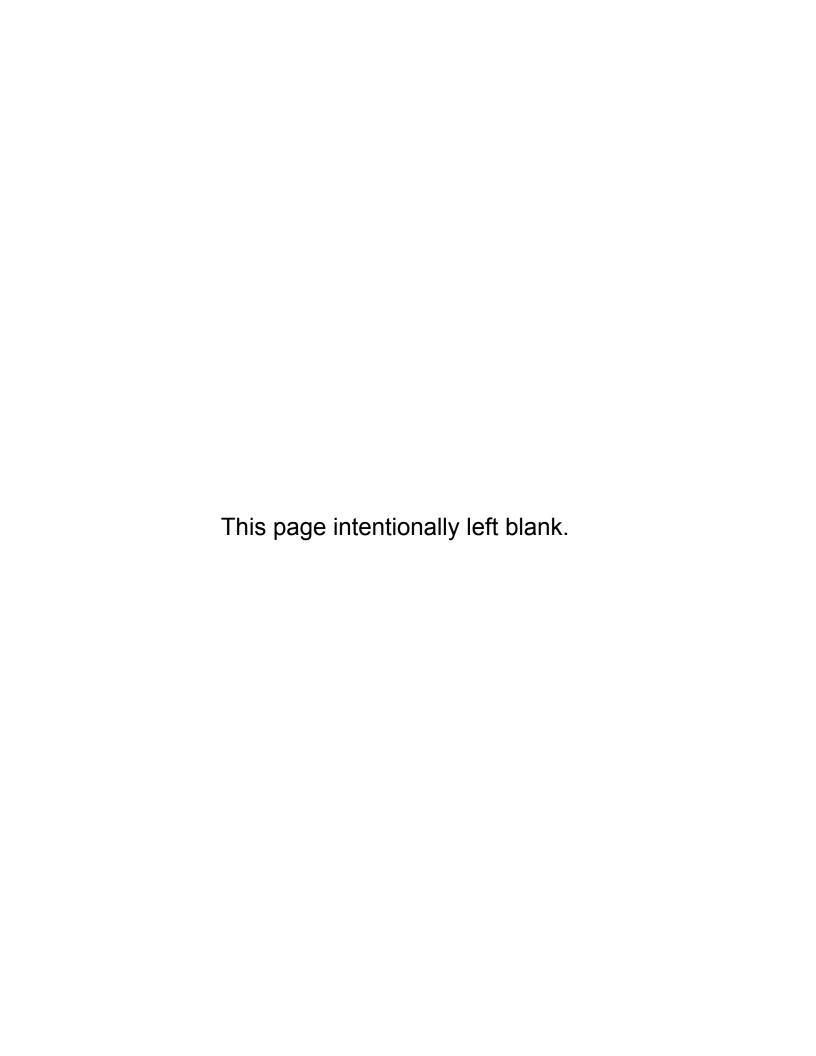
A Section 10 and/or Section 404 permit application (SPK-2012-00283) is in process for this work.

A copy of this letter is being furnished to Mr. Don Rasmussen, Chief, Flood Project Integrity and Inspection Branch, 3310 El Camino Avenue, Suite LL30, Sacramento, CA 95821.

Sincerely

Meegan G Nagy, P.E.

Chief, Flood Protection and Navigation Section





COUNTY OF TEHAMA DEPARTMENT OF PUBLIC WORKS

9380 SAN BENITO AVENUE GERBER, CA 96035-9701 BUS: (530) 385-1462

Fax: (530) 385-1189

ATTACHMENT B
ROAD COMMISSION EXHIBIT B

SURVEYOR

ENGINEER

Public Transit

FLOOD CONTROL AND

WATER CONSERVATION DISTRICT

SANITATION DISTRICT No. 1

November 20, 2012

Mitra Emami, Chief St. of Calif. Natural Resources Agency Central Valley Flood Protection Board Floodway Protection Section 3310 El Camino Ave., Rm. 151 Sacramento, CA 95821 F-12-210

Re: Letter of Support for the Red Bluff River Park Boat Ramp Improvement Project, T2012106, located in Tehama County

To whom it may concern:

The City of Red Bluff's proposal to construct Boat Ramp Improvements at the Red Bluff River Park, located in Tehama County, is supported by the Tehama County Flood Control and Water Conservation District. The project addresses the need to restore public boat launching access to the Sacramento River at the City's historic River Park location. The existing boat ramp facility was rendered unusable when the river channel shifted 300 feet to the east upon the loss of the Red Bluff Diversion Dam facility and subsequently Lake Red Bluff, leaving a dry grassy land area between the existing River Park Boat Launch Facility and the new river location. Boating access at this river location has served the residents of Tehama County and its visitors for a significant number of years, meeting both a critical need for public safety access to the river as well as the needs of the Department of Water Resources and recreational users. Additionally, this site is the only public boat launch facility on the Sacramento River north of the Diversion Dam for more than 12 miles, the site of the county's Bend Bridge launching facility.

Therefore, the Tehama County Flood Control and Water Conservation District offers its support of the City of Red Bluff's proposed Red Bluff River Park Boat Ramp Improvement Project and permanent access to the Sacramento River at the long standing site of the City of Red Bluff River Park boat launch facility in Red Bluff, California.

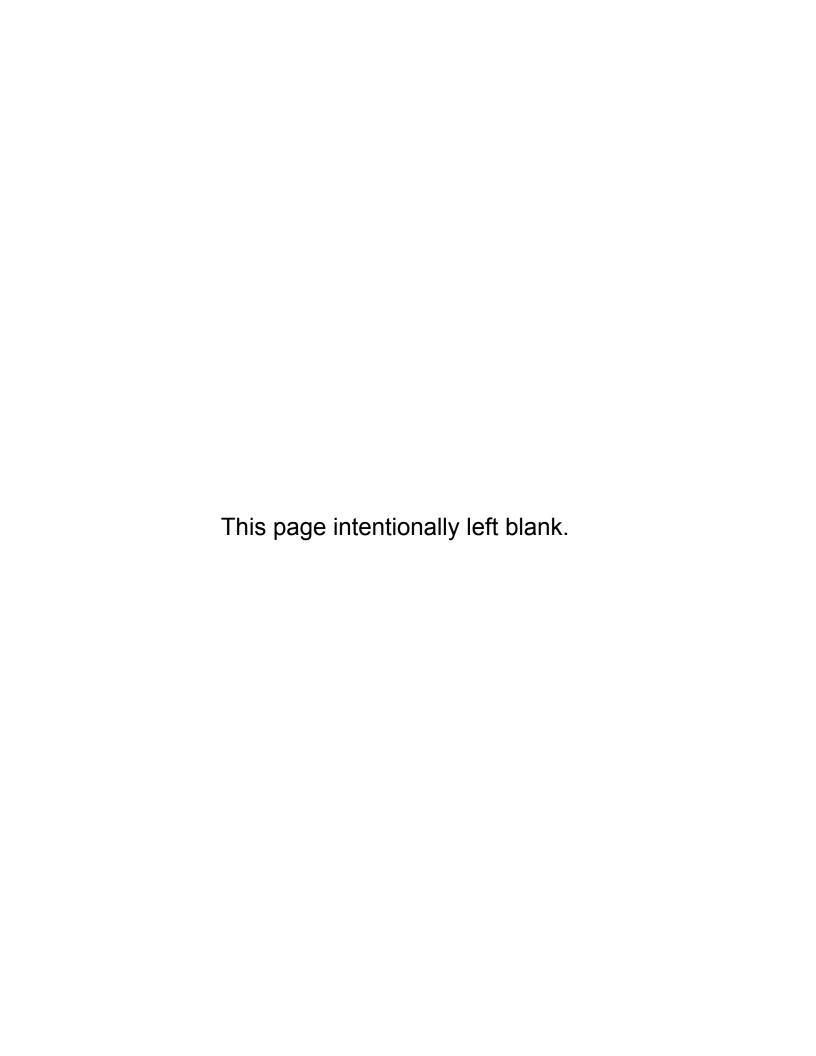
Sincerely

Chairman of the Board

Tehama County Flood Control &

Water Conservation District

Cc: City of Red Bluff



Application No. 9856

The Matter of

City of Red Bluff P. O. Box 400 Red Bluff, CA 96080

For approval of retention of existing encroachments:

to retain a riprapped fill out into the channel, a concrete boat ramp and floating boat docking facilities on the left bank of Reeds Creek at the junction with the Sacramento River, south of Red Bluff. Section 20, T. 27 N., R. 3 W., M.D.B.&M., Tehama County. (Tehama County Flood Control District)

having been set for hearing on the 6th day of December, 1974, and having been heard on said day; NOW, THEREFORE, IT IS ORDERED, that said existing encroachments are hereby approved and permission to retain said encroachments is hereby granted, subject to all the terms, conditions and restrictions attached hereto, which are incorporated herein by reference and made a part hereof.

GENERAL CONDITIONS

ONE: This order is issued under the authority of Sections 8700 - 8723 of the State Water Code;

TWO: This order is to be strictly construed and no work other than that specifically described herein is authorized hereby;

THREE: This approval does not carry with it permission to construct any works on lands owned by the Sacramento and San Joaquain Drainage District, nor on any other lands whatsoever;

FOUR: This order shall remain in effect until revoked. This order is revokable on 15 days' notice in the event that any conditions contained herein are not complied with;

FIVE: This order is granted with the understanding that this action is not to be considered as establishing any precedent with respect to any other application received by The Reclamation Board;

SIX: The permittee agrees by the acceptance of this order to exercise reasonable care to operate and maintain properly any work authorized herein and agrees to conform to standards of operation and maintenance prescribed by the State of California;

SEVEN: The permittee to whom this order is issued shall, whenever the same is required by law, secure the written order or consent to any work hereunder from any other public agency having jurisdiction;

EIGHT: The permittee is responsible for all liability for personal injury or property damage which may arise out of failure on the permittee's part to perform his obligations under this order. In the event any claim of liability is made against the State of California or any department thereof, the United States of America, a local district or other maintaining agency and the officers, agents or employees thereof, permittee shall defend, indemnify and hold them and each of them harmless from such claim.

SPECIAL CONDITIONS (See reverse side.)

STATE OF CALIFORNIA COUNTY OF SACRAMENTO Office of the Reclamation Board

SS.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the Reclamation Board,

this ____12th___day of ______December______, 1974.

(SEAL)

Assistant Secretary Reclamation Board

SPECIAL CONDITIONS:

NINE: That the proposed boating facilities and walkways shall be properly anchored at all times to prevent flotation into the floodway in the event of high water.

TEN: That the top of the driven timber pile shall be a minimum distance of two (2) feet above design flood plane elevation.

ELEVEN: That no further construction shall be done in the area without the prior approval of The Reclamation Board.

CS





DEPARTMENT OF THE ARMY SACRAMENTO DISTRICT, CORPS OF ENGINEERS 650 CAPITOL MALL SACRAMENTO, CALIFORNIA 95814

REPLY TO SPKCO-0 #9856

16 October 1974

/The Reclamation Board
State of California
1416 - 9th Street, Room 335
Sacramento, California 95814

Gentlemen:

1)

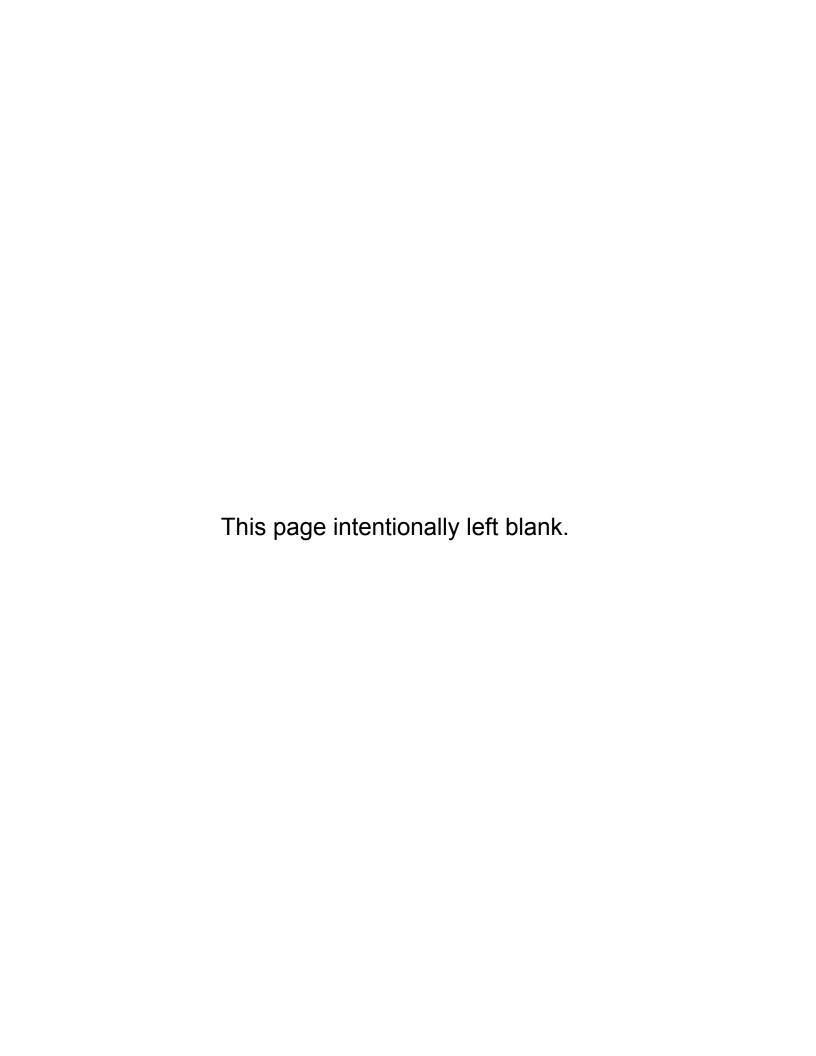
Reference is made to your letter dated 18 September 1974, inclosing copy of application submitted by the City of Red Bluff (Reclamation Board No. 9856), for approval of plans. These plans cover the construction of a jetty concrete boat ramp and boat docks within the flowage area of Reeds Creek and Sacramento River. The location of this proposed work is southeast of the town of Red Bluff in Section 20, T. 27N., R. 3W, M.D.B.&M., County of Tehama.

The District Engineer has no objection to approval of this application by your Board from a flood control standpoint.

Sincerely yours,

E. C. McKINSEY
Chief, Construction-Operations
Division

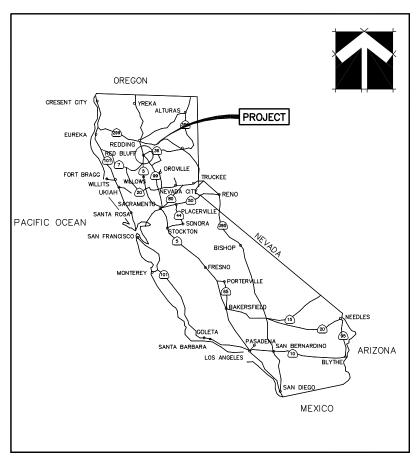
Copy furnished: DWR, ATTN: John Wright



CITY OF RED BLUFF

PROJECT PLANS FOR THE CONSTRUCTION OF

RED BLUFF BOATING FACILITY IMPROVEMENT PROJECT



PROJECT LOCATION NO SCALE



SHEET INDEX		
SHEET NO.	SHEET	
T-1	TITLE SHEET	
C-1	IMPROVEMENT PROJECT	
C-2	PROFILES	
C-3	DETAILS	
C-4	DETAILS	
C-5	DETAILS	
C-6	DETAILS	

LEGEND

C-4

+256.6

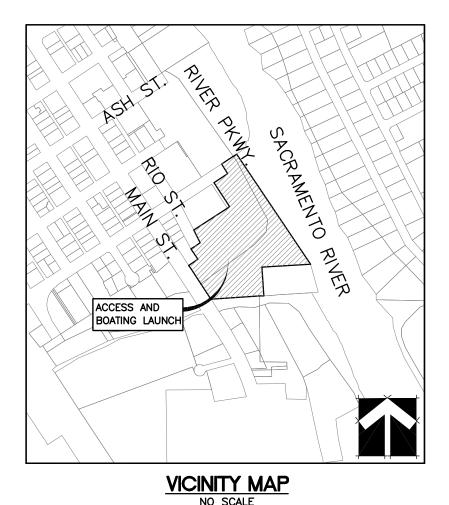
• 256.6

ABBREVIATIONS

CONTOUR LINE (EXISTING)	AGG.	AGGREGATE
	C-C	CENTER TO CENTER
CENTER LINE	DESC.	DESCRIPTION
3 - DETAIL/SECTION NUMBER	N.T.S.	NOT TO SCALE
C-4 - SHEET NUMBER	PVI	POINT OF VERTICAL INTERSECTION
SURVEY POINT	RSP	ROCK SLOPE PROTECTION
	STA	STATION
EXISTING ELEVATION	VC	VERTICAL CURVE
FINISH GRADE ELEVATION	W/	WITH

GENERAL NOTES:

- ALL CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, DATED 2009, (GREENBOOK) THE CITY OF RED BLUFF CONSTRUCTION STANDARDS, DATED 2007, AND THE CONTRACT SPECIFICATIONS AS THEY PERTAIN TO THE WORK DEPICTED HEREIN.
- 2. ALL UTILITIES SHOWN ARE STRICTLY FOR THE CONVENIENCE OF THE CONTRACTOR. UTILITY LOCATIONS ARE ONLY APPROXIMATE AND THE CONTRACTOR IS ADVISED TO INVESTIGATE EACH UTILITY SHOWN AS WELL AS BE AWARE OTHER UTILITIES NOT SHOWN MAY EXIST. SEE NOTICE AT LOWER LEFT.
- 3. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR FURNISHING, INSTALLING AND MAINTAINING ALL WARNING SIGNS AND DEVICES NECESSARY TO SAFEGUARD THE GENERAL PUBLIC AND THE WORK, AND TO PROVIDE FOR THE PROPER AND CONTINUOUS SAFE ROUTING OF VEHICLE AND PEDESTRIAN TRAFFIC DURING THE PERFORMANCE OF WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO WORKING HOURS. THE USE OF FLAGGERS, BARRICADES AND CONSTRUCTION SIGNING SHALL COMPLY WITH CHAPTER 5 OF THE CALTRANS MANUAL OF TRAFFIC CONTROLS CURRENT EDITION.
- 4. CARE SHALL BE TAKEN TO PROTECT EXISTING PLANTS, SHRUBS, TREES, LAWN, LANDSCAPE AREAS AND IRRIGATION SYSTEMS. ANY ITEMS REMOVED OR DAMAGED SHALL BE REPLACED. ALL ITEMS WHICH REQUIRE REMOVAL OR ARE DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED TO ORIGINAL CONDITION AND TO THE APPROVAL OF THE ENGINEER.



APPROVED BY:

CITY ENGINEER DATE

P:\OIIII3.00_stoll_red bluff boot ramp\COVERSHT.dvq D.B.Z. 2/6/2013

Stoll Engineering

800 Leisha Lane Redding, California 96001 (530) 243—1760 FAX (530) 243—1503

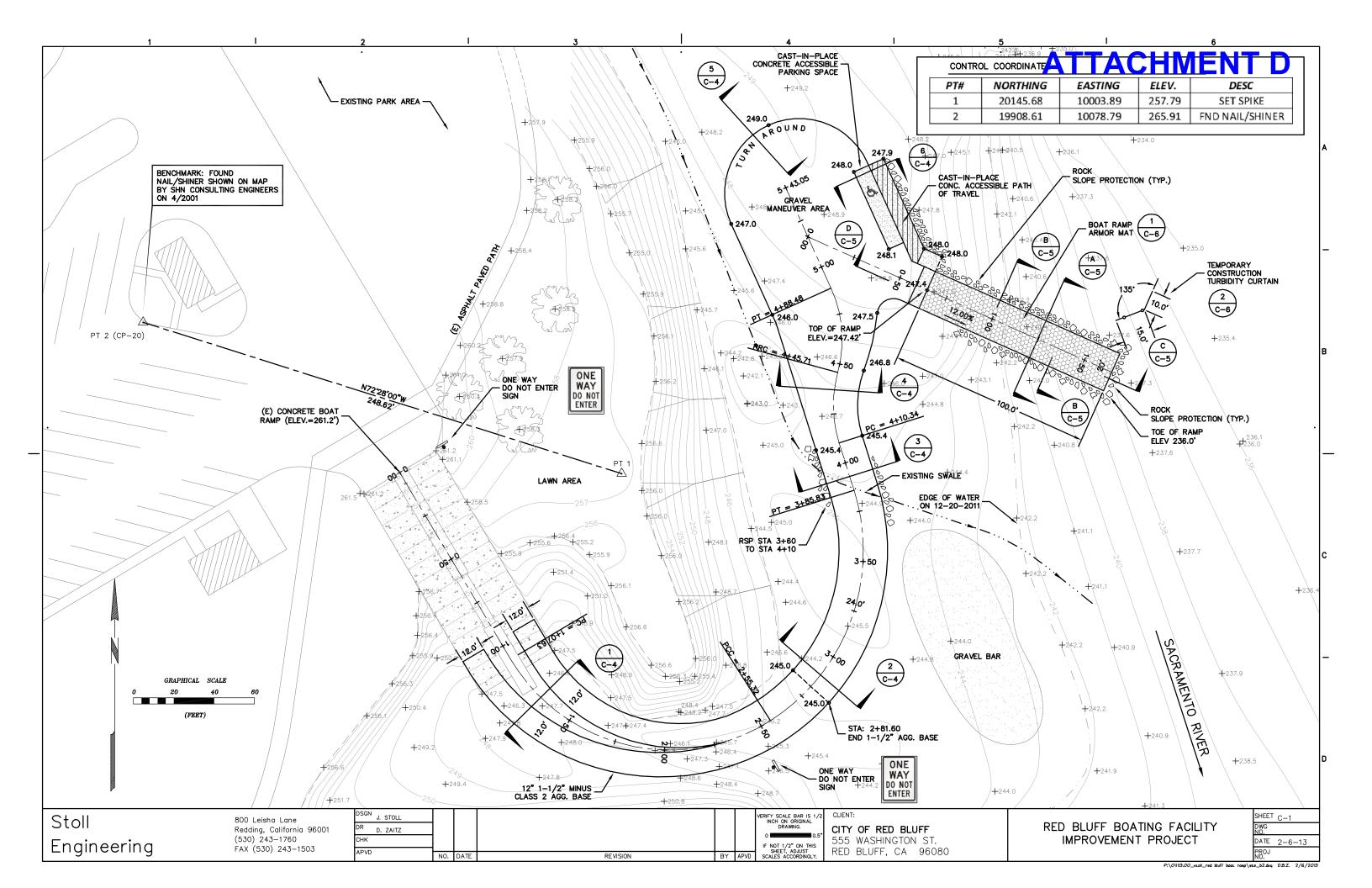
3 96001 C

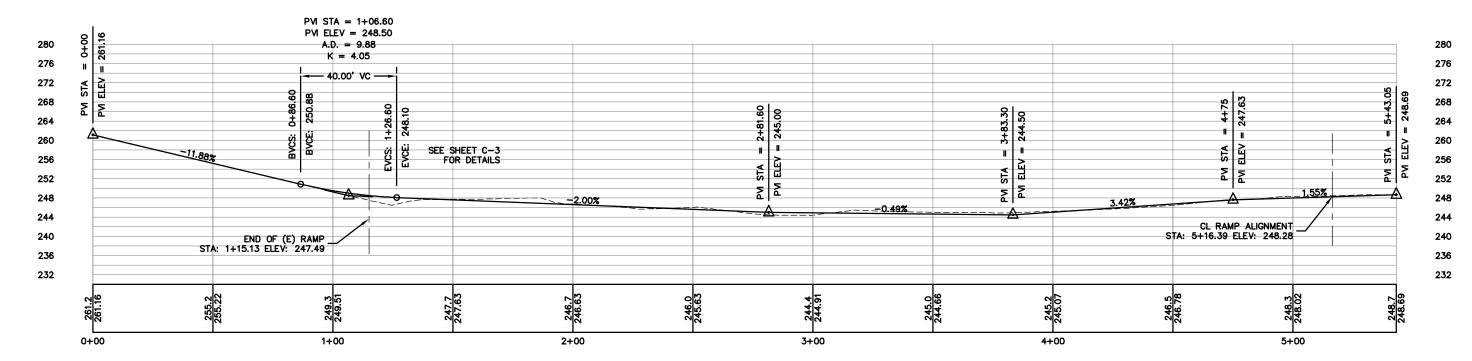
CLIENT:

CITY OF RED BLUFF
555 WASHINGTON ST.
RED BLUFF, CA 96080

RED BLUFF BOATING FACILITY
IMPROVEMENT PROJECT
TITLE SHEET

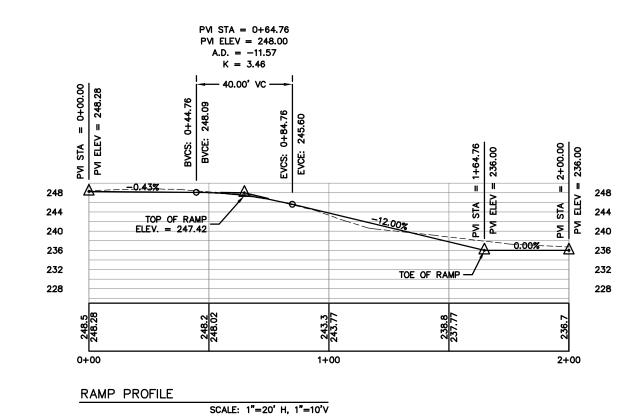
SHEET T-1
DWG
NO.
DATE 2/6/13





RAMP ACCESS ROAD PROFILE

SCALE: 1"=20" H, 1"=10"V



P:\O||||3.00_stoll_red bluff boat romp\profile_phaselb.dvq D.B.Z. 2/6/2013

Stoll Engineering

800 Leisha Lane Redding, California 96001 (530) 243-1760 FAX (530) 243-1503
 DSGN J. STOLL

 DR D. ZAITZ

 CHK

 APVD
 NO. DATE

 REVISION
 BY

VERIFY SCALE BAR IS 1/2
INCH ON ORIGINAL
DRAWING.

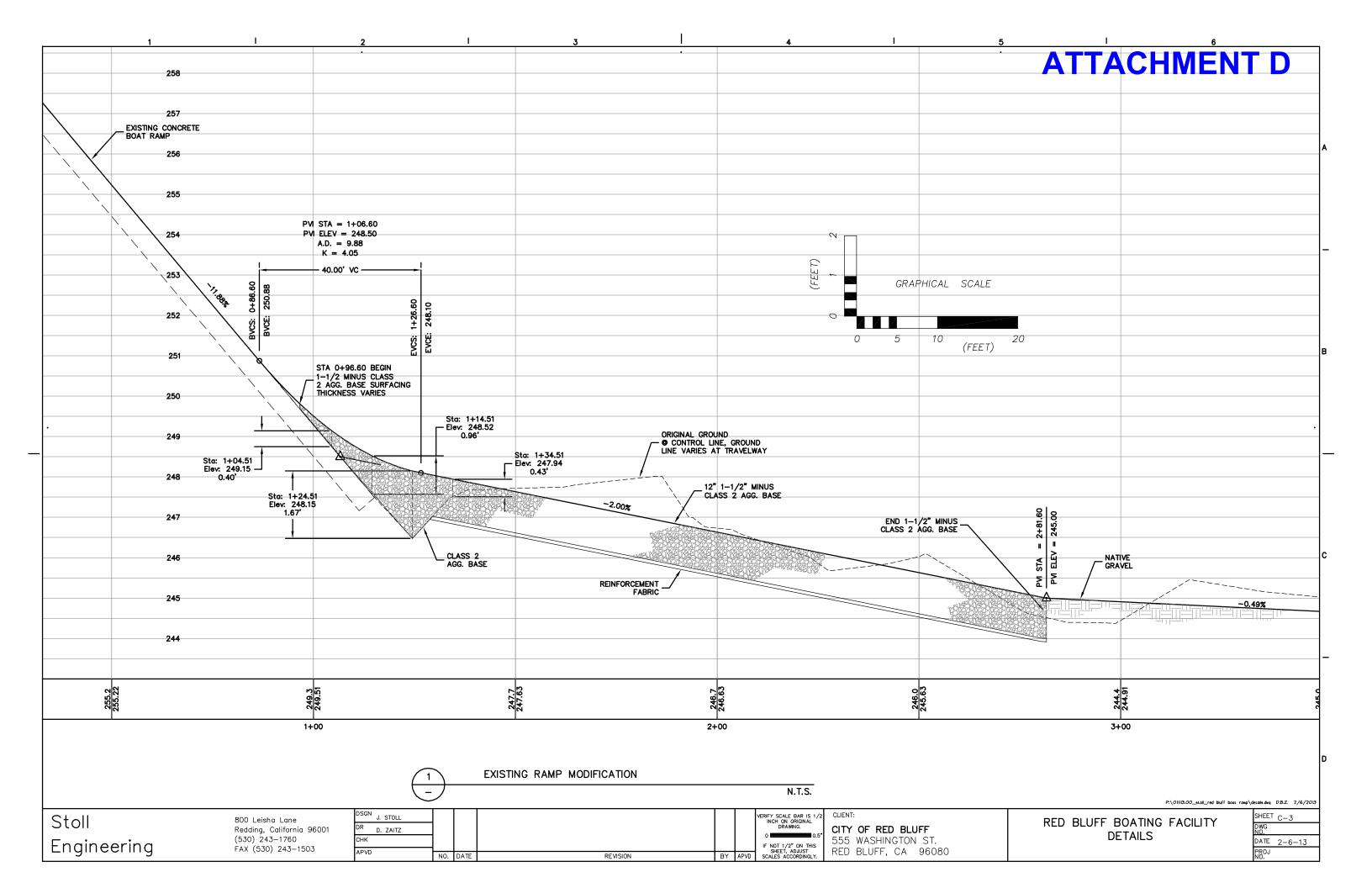
0 0 0.5"
IF NOT 1/2" ON THIS
SHEET, ADJUST
SCALES ACCORDINGLY.

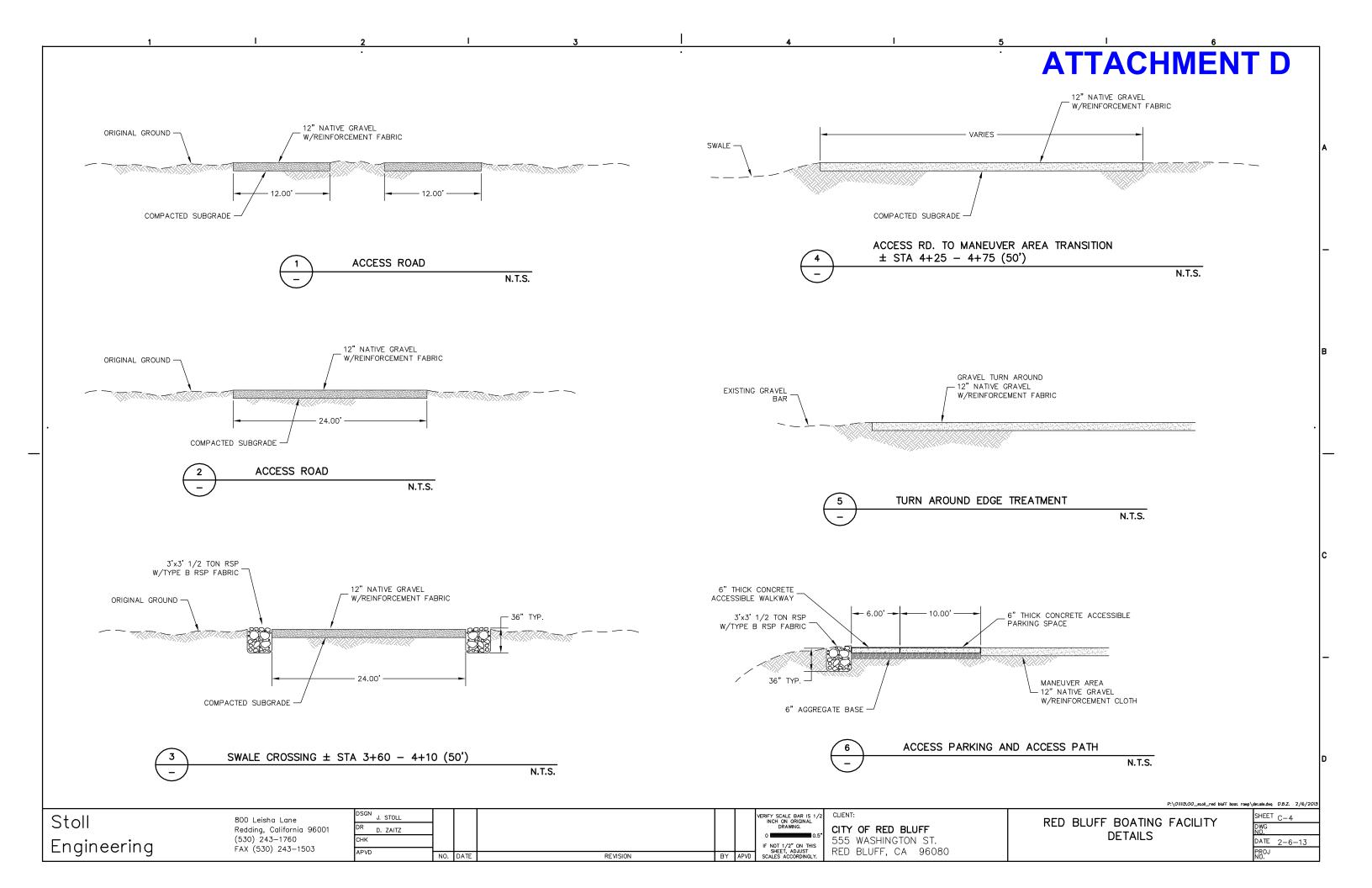
CIENT:

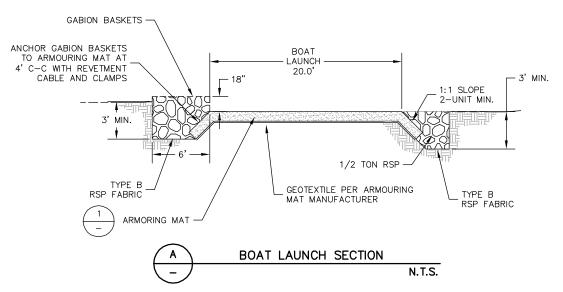
CITY OF RED BLUFF
555 WASHINGTON ST.
RED BLUFF, CA 96080

RED BLUFF BOATING FACILITY PROFILES

SHEET C-2
DWG
NO.
DATE 2-6-13
PROJ

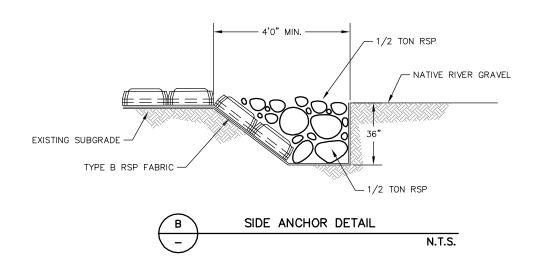


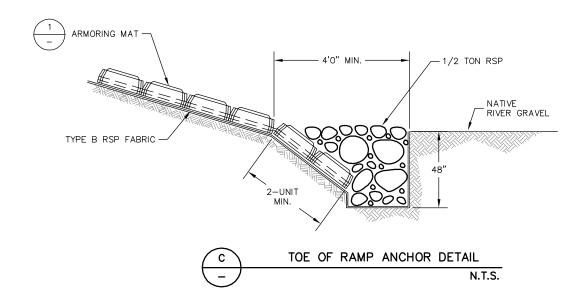


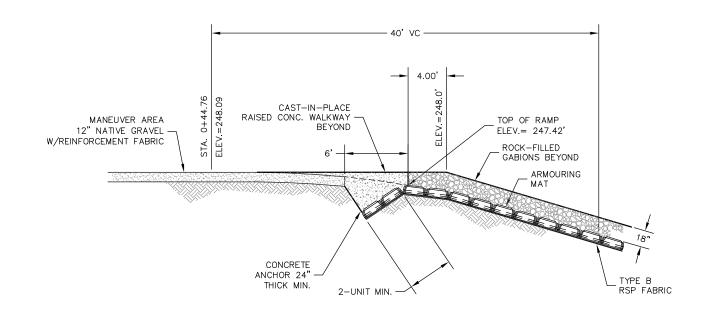


NOTE:

1. EXCAVATE AND BACKFILL SUBGRADE MATERIAL TO CONFORM TO THE LINES AND GRADES SHOWN. EXPORT EXCESS MATERIAL OR IMPORT BORROW AS NEEDED. PLACE RSP FABRIC ON FINISHED SUBGRADE. PLACE RSP MEETING THE CALTRANS REQUIREMENTS FOR 1/2 TON RSP. IMPORT 1/2 TON RSP AS NEEDED TO CONFORM TO THE LINES AND GRADES SHOWN.







TOP OF RAMP ANCHOR AND APRON N.T.S.

Stoll 800 Leisha Lane Redding, California 96001 (530) 243-1760 Engineering FAX (530) 243-1503

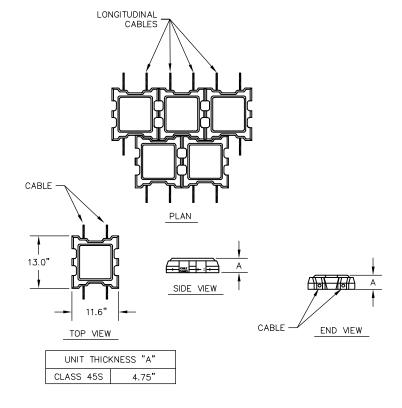
DSGN J. STOLL D. ZAITZ REVISION

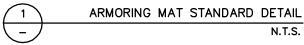
ERIFY SCALE BAR IS 1/2 INCH ON ORIGINAL DRAWING. IF NOT 1/2" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

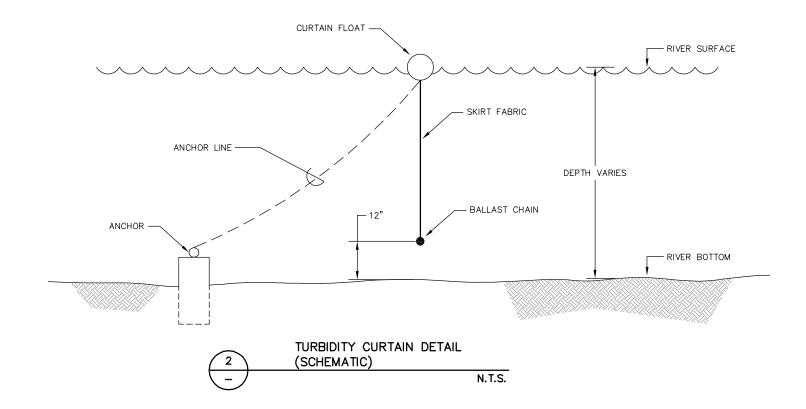
CLIENT: CITY OF RED BLUFF 555 WASHINGTON ST. RED BLUFF, CA 96080

RED BLUFF BOATING FACILITY **DETAILS**

SHEET C-5 DATE 2-6-13







Stoll 800 Leisha Lane Redding, California 96001 (530) 243–1760 FAX (530) 243–1503 Engineering

DSGN J. STOLL D. ZAITZ REVISION

IF NOT 1/2" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CLIENT: CITY OF RED BLUFF 555 WASHINGTON ST. RED BLUFF, CA 96080

RED BLUFF BOATING FACILITY **DETAILS**

SHEET C-6 DATE 2-6-13