

Public burden for this collection of information is estimated to average 10 hours per response, although the majority of applications should require less. This includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Service Directorate of Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302; and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003), Washington, DC 20503. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research and Conservation Act, 33 USC 1413, Section 103. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. A set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

ITEMS 1 THRU 4 TO BE FILLED BY THE CORPUS

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETED
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ITEMS BELOW TO BE FILLED BY APPLICANT

5. APPLICANT'S NAME Masterson Properties c/o Dennis J. Barkley, Managing Partner	8. AUTHORIZED AGENT'S NAME AND TITLE (an agent is not required)
6. APPLICANT'S ADDRESS 952 Kenilworth Ct. Walnut Creek, CA 94596	9. AGENT'S ADDRESS
7. APPLICANT'S PHONE NOS. W/AREA CODE a. Residence } 925-947-5999 b. Business }	10. AGENT'S PHONE NOS. W/AREA CODE a. Residence b. Business

AUG 27 2002

STATEMENT OF AUTHORIZATION

I hereby authorize \_\_\_\_\_ to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

APPLICANT'S SIGNATURE

DATE

NAME, LOCATION AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions) North Fork Stony Creek Bank Erosion Mitigation	14. PROJECT STREET ADDRESS (if applicable) N/A
13. NAME OF WATERBODY, IF KNOWN (if applicable) North Fork Stony Creek	
15. LOCATION OF PROJECT Tehama COUNTY California STATE	

16. OTHER LOCATION DESCRIPTIONS, IF KNOWN, (see instructions) GPS: N39° 48.276', W122° 25.733'  
W 1/2 of NE 1/4 of SE 1/4 S33, R5W, T23N, MDB#M, Tehama Co. parcel #085-220-024-1  
see 17. below

17. DIRECTIONS TO THE SITE  
West 15 miles from Interstate highway 5 at Orland, CA on Newville Road (aka Glenn County road 200), in first field west of Newville Road bridge immediately west of Black Butte Reservoir. Also, approximately 1/3 mile north of the intersection of Newville Road and Morrison Byron Road. (See attached area map.)



**US Army Corps of Engineers**  
**STREAMBED ALTERATION PERMIT (Eng Form 4345)**  
**APPLICATION ATTACHMENT**

**Block 18 Continued.**

Nature of Activity

1. General description.
  - a. Removal of a gravel and sand bar buildup near the center of the streambed channel and,
  - b. reconstruction of as much as possible of the original bank of 15 years ago, on the southern side, with the material removed from the channel center.
  
2. Type, composition, and quantity of material to be excavated.

Approximately 5,930 cubic yards of gravel and sand (and possibly a few pieces of an old concrete slab) to be moved from the middle of the streambed. Middle of streambed vegetation, mostly consisting of Tamarisk and some Willow, to be removed and disposed of.
  
3. Length, width and depth of excavated or filled area.

All figures are approximate. Up to 444 ft along stream path, up to 151 ft across stream bed and up to 6 ft in depth of material that may be moved, see attached 3 pages (6 figures) of drawings.
  
4. Location of any disposal sites for excavated material.

All excavated material will be used on site except for the removed vegetation. Since applicant has been informed that the Tamarisk is a non-native invasive undesirable plant it is initially planned that the removed vegetation will be laid out over the reconstructed bank to be dried out, and then subsequently burned when, or if, allowed by weather conditions and local governing authority.
  
5. Pre-project photos of work site.

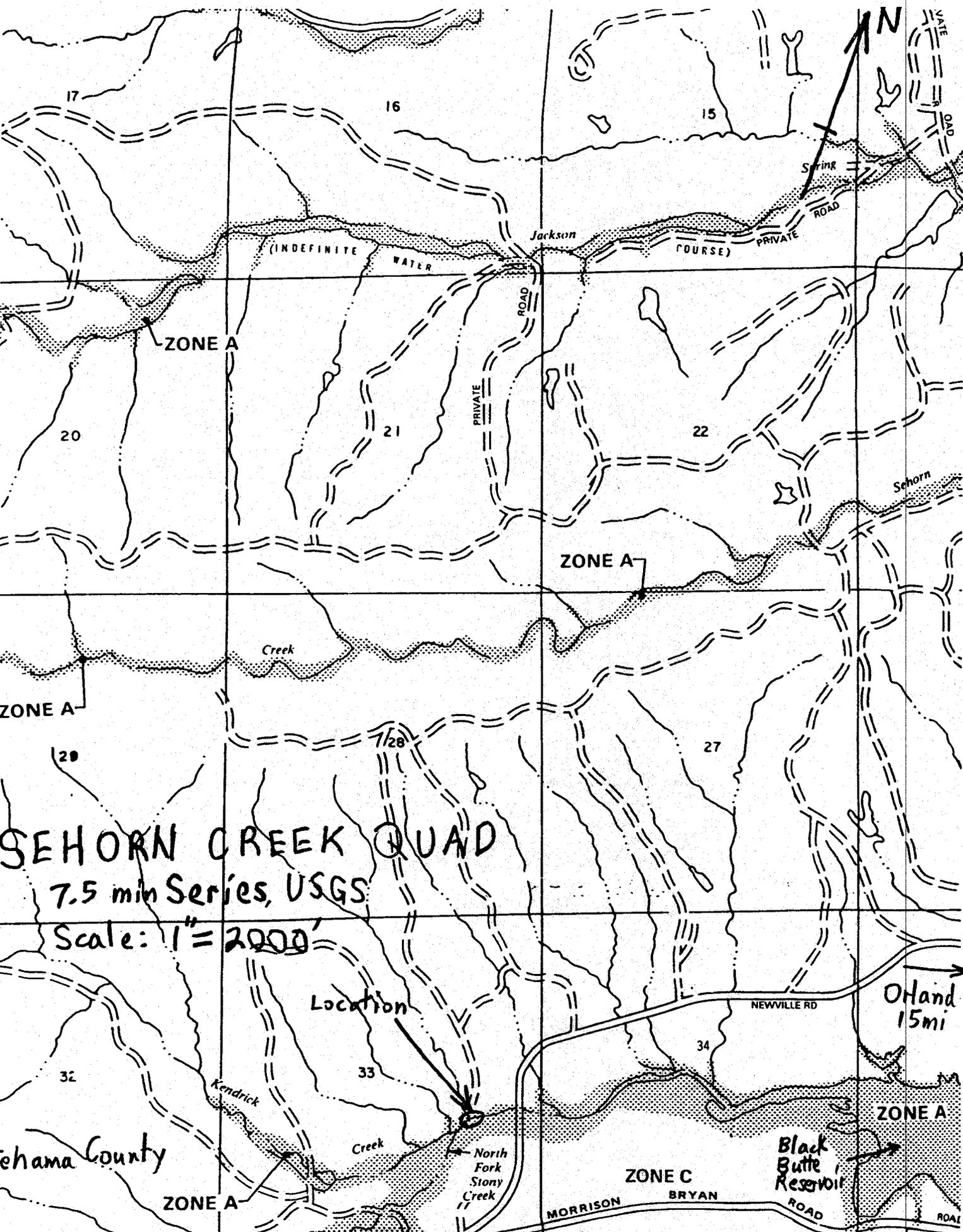
See the 10 attached photos. Attached Plan View drawing shows location and in what direction these photos were taken.
  
6. Other pertinent or supporting data.
  - a. It is estimated that project will take less than 40 man-hours to complete using one D7 (or equivalent) dozer.
  - b. If financial assistance can be obtained some sort of erosion control vegetation, such as Willow or Cottonwood, will be planted and cared for until established along the reconstructed bank.
  - c. Would like to begin work before the end of Oct. 2002.
  - d. Project work will only be performed when there is no water flowing over the area to be graded.

**Block 19 Continued.**

Project Purpose

Stream bank south side erosion control to prevent:

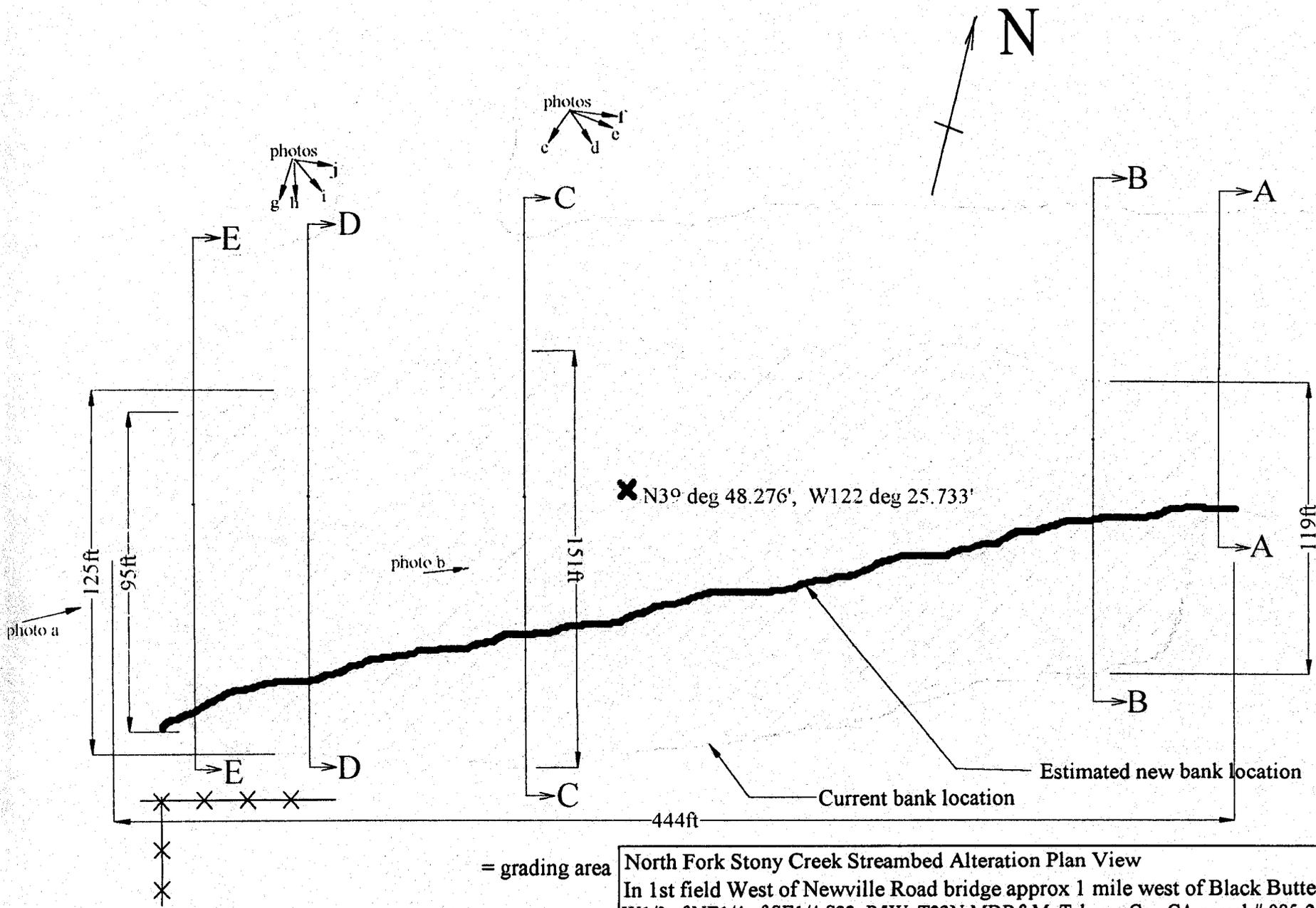
- a) the continued loss of our most valuable topsoil,
- b) soil pollution from this erosion process entering into, and adding to the silt buildup in, Black Butte Reservoir immediately downstream and,
- c) eventual washout of a large old oak tree.



SEHORN CREEK QUAD  
 7.5 min Series, USGS  
 Scale: 1" = 2000'

Sehama County

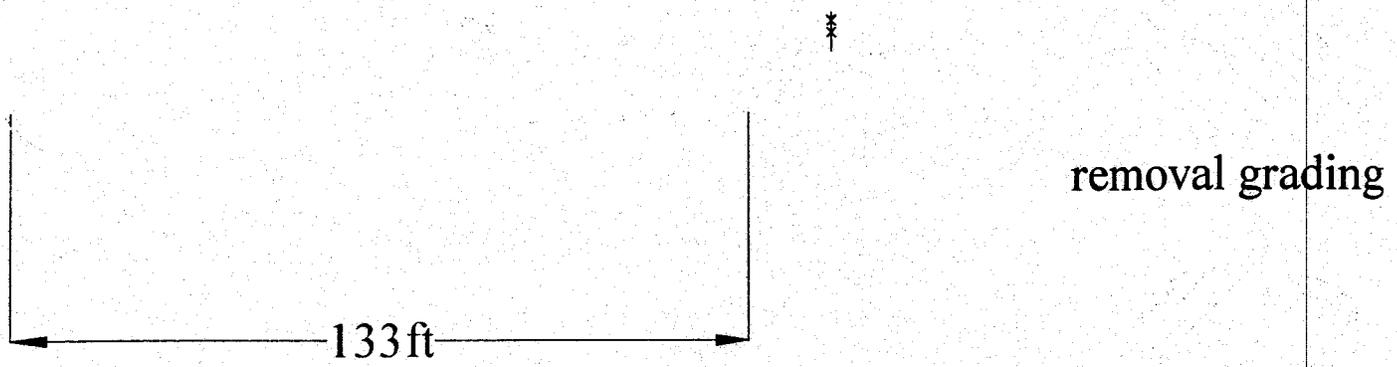
Range 5 West, Township 23 North, MDB#M  
 VICINITY MAP



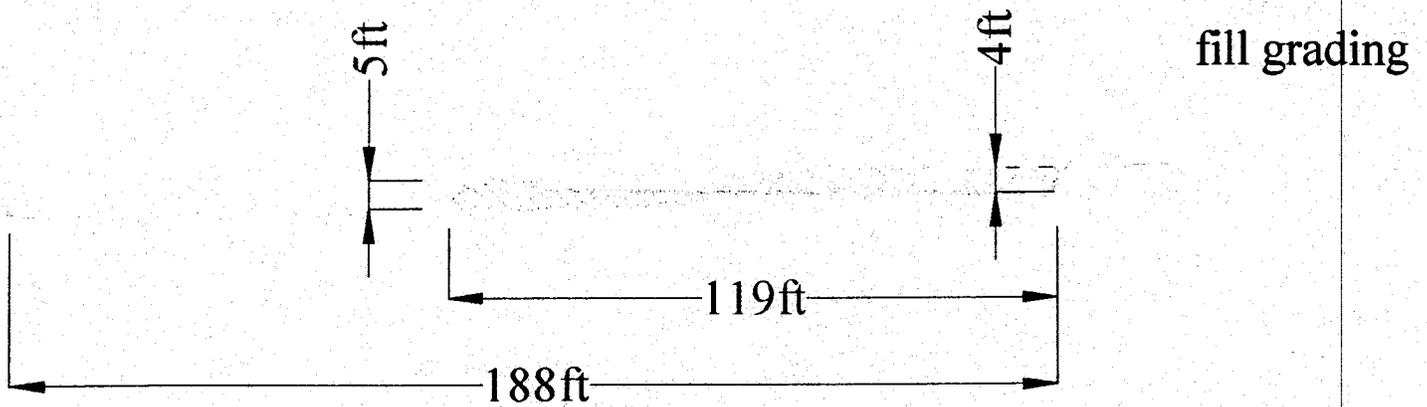
North Fork Stony Creek Streambed Alteration Plan View  
 In 1st field West of Newville Road bridge approx 1 mile west of Black Butte Reservoir  
 W1/2 of NE1/4 of SE1/4 S33, R5W, T23N MDB&M, Tehama Co., CA parcel # 085-220-024-1  
 D. Barkley, 8-9-02                      Sheet 1 of 3                      SCALE: rough, 1" = 50'

- NOTES: 1. Creek surface flow ceases by late summer.  
 2. Adjacent property owners: J. Soske on west side.

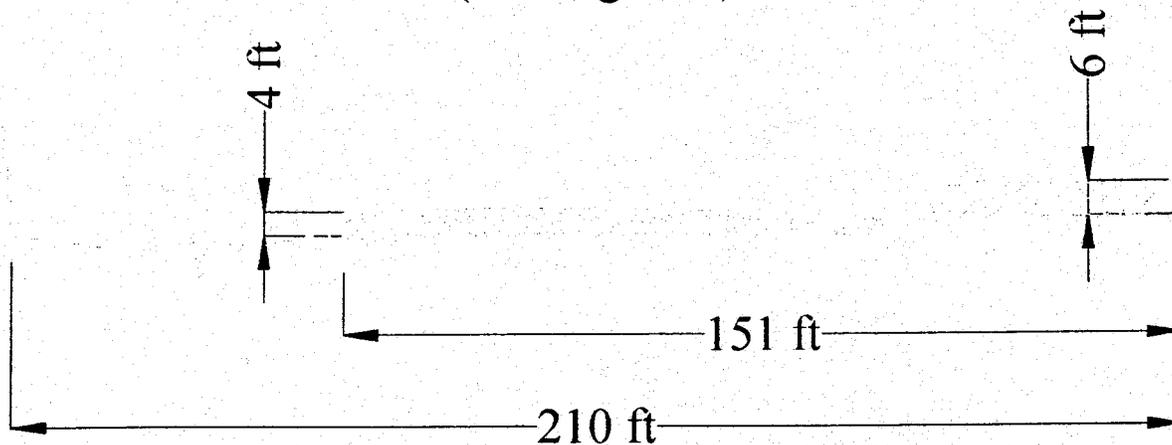
### Profile A-A (looking East)



### Profile B-B (looking East)



### Profile C-C (looking East)



## North Fork Stony Creek Streambed Alteration Elevation Views

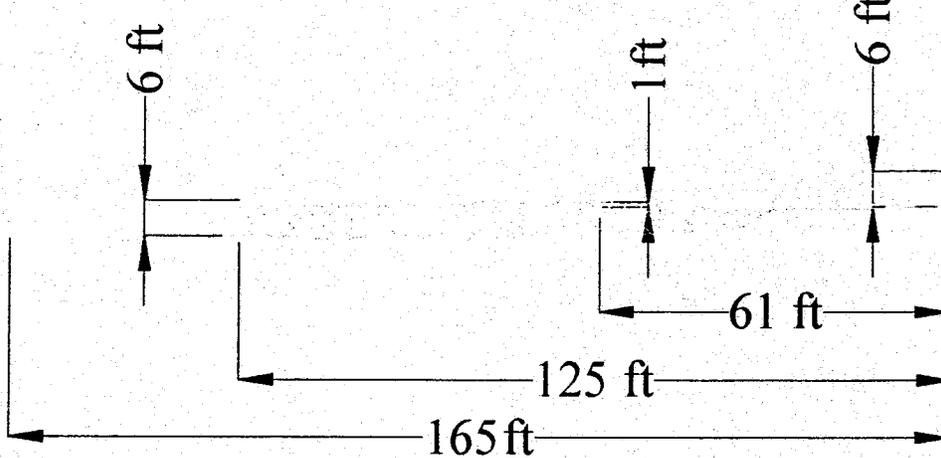
In 1st field West of Newville Road bridge approx 1 mile west of Black Butte Reservoir  
W1/2 of NE1/4 of SE1/4 S33, R5W, T23N MDB&M, Tehama Co., CA parcel # 085-220-024-1

D. Barkley, 8-9-02

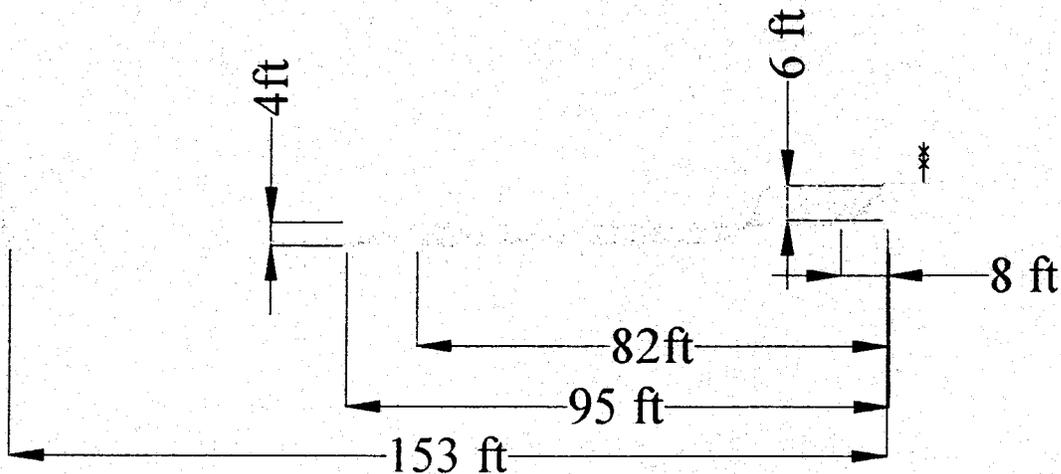
Sheet 2 of 3

SCALE: rough, 1" = 35'

Profile D-D (looking East)



Profile E-E (looking East)



= removal grading

= fill grading

North Fork Stony Creek Streambed Alteration Elevation Views

In 1st field West of Newville Road bridge approx 1 mile west of Black Butte Reservoir

W1/2 of NE1/4 of SE1/4 S33, R5W, T23N MDB&M, Tehama Co., CA parcel # 085-220-024-1

D. Barkley, 8-9-02

Sheet 3 of 3

SCALE: rough, 1" = 35'