

Handwritten: 11/11
Co. Cal
P.W.D.

DEPARTMENT: Public Works

By: Michael Edwards Phone: 966-5356
Director

RECOMMENDED ACTION AND JUSTIFICATION: (Policy Item: Yes ___ No X)

Resolution adopting bid and contract documents for the repair of 16 small slides on Old Yosemite and Bull Creek Roads, Public Works Project Number PW 96-22&23, authorizing advertisement for sealed bids, set a bid opening date for Thursday, October 2 at 2:10 p.m. and authorizing the Public Works Director to execute a contract with the lowest responsible bidder.

The slides on Old Yosemite and Bull Creeks east of Greeley Hill occurred in January of this year, due to heavy rain. OES/FEMA have committed funding for 93.75% of this work.

This is a formal bid in accordance with Mariposa County Ordinance #886 and the Uniform Construction Cost Accounting Act, since the bid is expected to be greater than \$75,000.

This project will result in the repair of the slides by excavation and recompaction of the slippages along the shoulder, or by reconstruction of the downhill slope, using material cut from the uphill embankment, as directed by the Engineer. The specifications provide for erosion control measures on both the uphill and downhill slopes. The roads are all gravel surfaced. The County share is included in the proposed 97/98 Road Fund budget, even assuming a 9% reduction in General Fund contribution.

BACKGROUND AND HISTORY OF BOARD ACTIONS:

The Board previously approved the 1997 Summer Road Program which included this project. In recent years, the Board has approved major road maintenance/improvement expenditures prior to final budget adoption in order to complete the work prior to winter. The Board has approved the environmental studies required for this work.

LIST ALTERNATIVES AND CONSEQUENCES OF NEGATIVE ACTION:

No action will delay completion into the wet season and may jeopardize Federal funding. Without repair, we could possibly lose access at these location this winter.

COSTS: () Not Applicable A. Budgeted current FY \$867,313 B. Total anticipated costs \$268,000 C. Required additional funding \$ 0 D. Internal transfers \$ _____		SPECIAL INSTRUCTIONS: List the attachments and number the pages consecutively: 1. List of Locations _____ 2. Location maps _____ 3. Bid Advertisement _____
SOURCE: () 4/5th Vote Required A. Unanticipated revenues \$ _____ B. Reserve for contingencies \$ _____ C. Source description: Road Fund / P.S. Construction (Proposed 97/98) Balance in Reserve Contingencies, if approved: \$ _____		

CLERK'S USE ONLY

Res. No.: 97-361 Ord. No. _____
Vote - Ayes: 5 Noes: _____
Absent: _____ Abstained: _____
 Approved Denied
 Minute Order Attached No Action Necessary

The foregoing instrument is a correct copy of the original on file in this office.

Date: _____
ATTEST: MARGIE WILLIAMS, Clerk of the Board
County of Mariposa, State of California
By: _____
Deputy

ADMINISTRATIVE OFFICER'S RECOMMENDATION:

This item on agenda as:

- _____ Recommended
- _____ Not Recommended
- _____ For Policy Determination
- _____ Submitted with Comment
- _____ Returned for Further Action

Comment: _____

A.O. Initials: _____

Action Form Revised 5/92

MARIPOSA COUNTY BOARD OF SUPERVISORS

MINUTE ORDER

TO: MIKE EDWARDS, Public Works Director
FROM: MARGIE WILLIAMS, Clerk of the Board *MW*
SUBJECT: CONSTRUCTION PROJECTS; RES. 97-360, 97-361, AND 97-362

THE BOARD OF SUPERVISORS OF MARIPOSA COUNTY, CALIFORNIA,

ADOPTED THIS Order on September 9, 1997

ACTION AND VOTE:

Public Presentations: For Non-Timed Agenda Items and for Items Not on the Agenda
- Mike Edwards, Public Works Director, advised of off-agenda requests for the following construction projects: slide repair at Greeley Hill at Shingle Road, repair of 16 small slides on Old Yosemite and Bull Creek Roads, and change order for additional emergency repairs to Incline Road. He advised that there is a critical time frame involving lead time for getting these projects out to bid and work completed prior to the onset of winter weather. (M)Parker, (S)Reilly, Board waived rules requiring 72 hours agenda noticing to consider these requests, finding they were not known about at the time the agenda was prepared and timely action is necessary for the work to be completed before the winter weather/Ayes: Unanimous. Following discussion, (M)Balmain, (S)Parker, Res. 97-360 adopted approving bid and contract documents for the repair of Greeley Hill Road at Shingle Hill (PW 96-10), authorizing advertisement for sealed bids and authorizing Public Works Director to execute a contract with the lowest responsible bidder; and Res. 97-361 adopted approving bid and contract documents for the repair of 16 small slides on Old Yosemite and Bull Creek Roads (PW 96-22 and 23), authorizing advertisement for sealed bids and authorizing Public Works Director to execute a contract with the lowest responsible bidder/Ayes: Unanimous. Dave Tucker/PWD-Civil Engineer, provided input relative to the repairs on Incline Road and the County's portion of costs. Following discussion, (M)Reilly, (S)Parker, Res. 97-362 adopted approving negotiations with Hilton Construction for a change order for additional emergency repairs to Incline Road for an estimated \$83,000/Ayes: Unanimous.

cc: Jeff Green, County Counsel
Ken Hawkins, Auditor
File

Location and Description of Slides, Northern area of Mariposa County

<u>Road, No.</u>	<u>Milage</u>	<u>Type</u>	<u>Length</u> (ft)	<u>Depth</u> (ft)	<u>Area</u> (sq.ft)	<u>Volume</u> (cu yd)
Greeley Hill Shingle Hill	2.0	earth	510	150		182,000
Bull Creek						
#9 (1)	0.70	geo	100	15	1,500	
(2a)	0.79	geo	42	15	630	
(2b)	0.81	geo	83	15	1,245	
(3)	1.03	geo	242	25	6,050	
(4)	1.20	geo	56	15	840	
(5)	1.50	geo	45	60	2,700	
Old Yosemite Road						
#5 (1)	1.07	earth	125	15		555
(2)		earth	68	15		302
(3)		earth	100	15		444
(4)	1.29	earth	70	15		311
#6 (1)	3.68	earth	105	15		467
(2)		earth	45	15		200
(3)		earth	40	15		178
(4)		earth	167	15		742
(5)	4.10	geo	536	80		5,200
(6)	4.70	combo	55	60	1,650	4400
#7	8.62	combo	245	100	1,200	12,600

The type refers to the planned method of repair. "Earth" means recompacted earth on a 1 1/2 or 2 to 1 slope without tire or geotechnical walls (unreinforced), "geo" means either a tire or geoweb reinforced wall, much steeper. "Combo" refers to a planned repair using a combination of tire or geotechnical wall and an unreinforced earth wall.

Length is measured along the shoulder and depth is the height of the slide from the shoulder elevation to the bottom of the proposed fill, both estimated in feet. For tire or geotechnical walls, repair area was measured as the face of the slide, in square feet. For unreinforced walls, the volume is the estimated quantity of earth, in cubic yards, required to repair the slide. For combo locations, the area of the geo fix and the volume of the reinforced area are given. For the smaller slides, a rectangular area was assumed. For the larger slides, the area may be trapezoidal.

MARIPOSA COUNTY

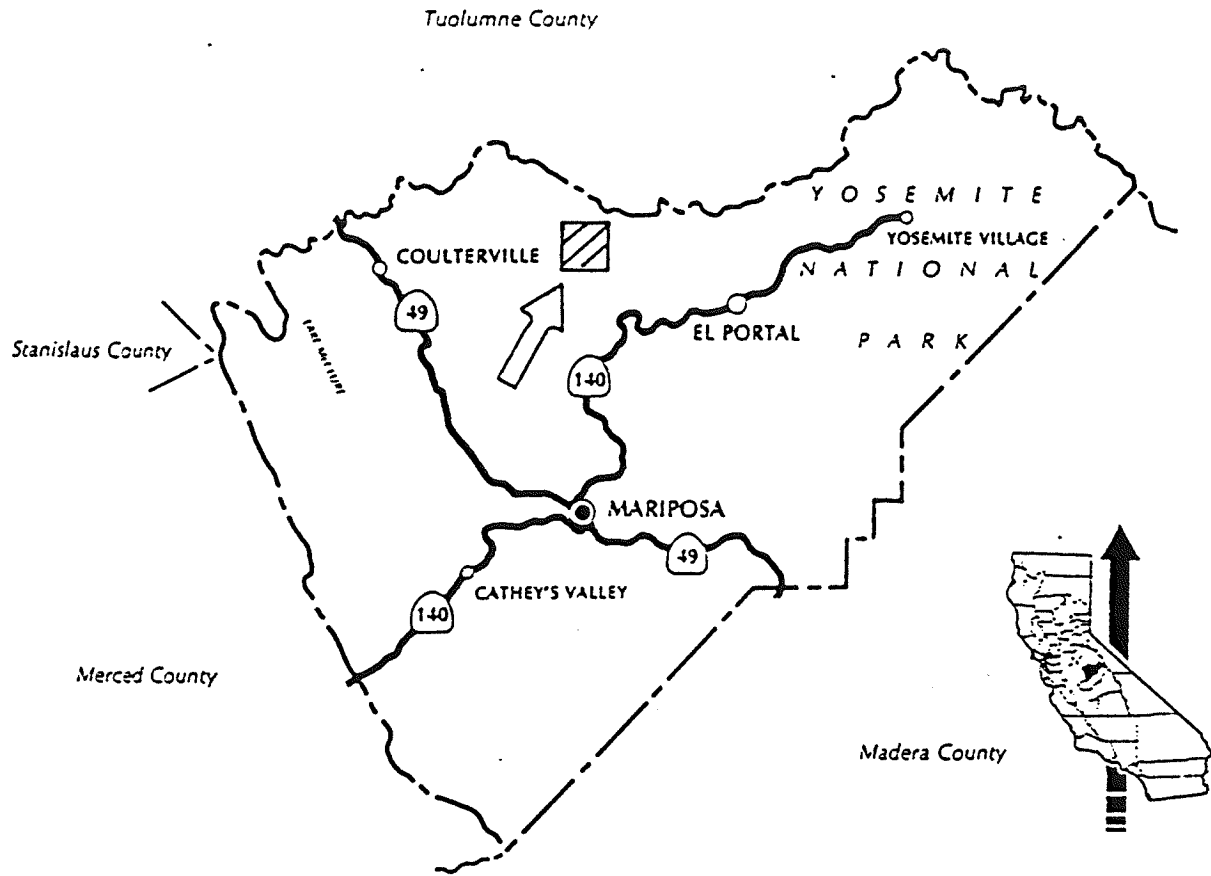


Figure 1: Location of project area in Mariposa County (vicinity map).

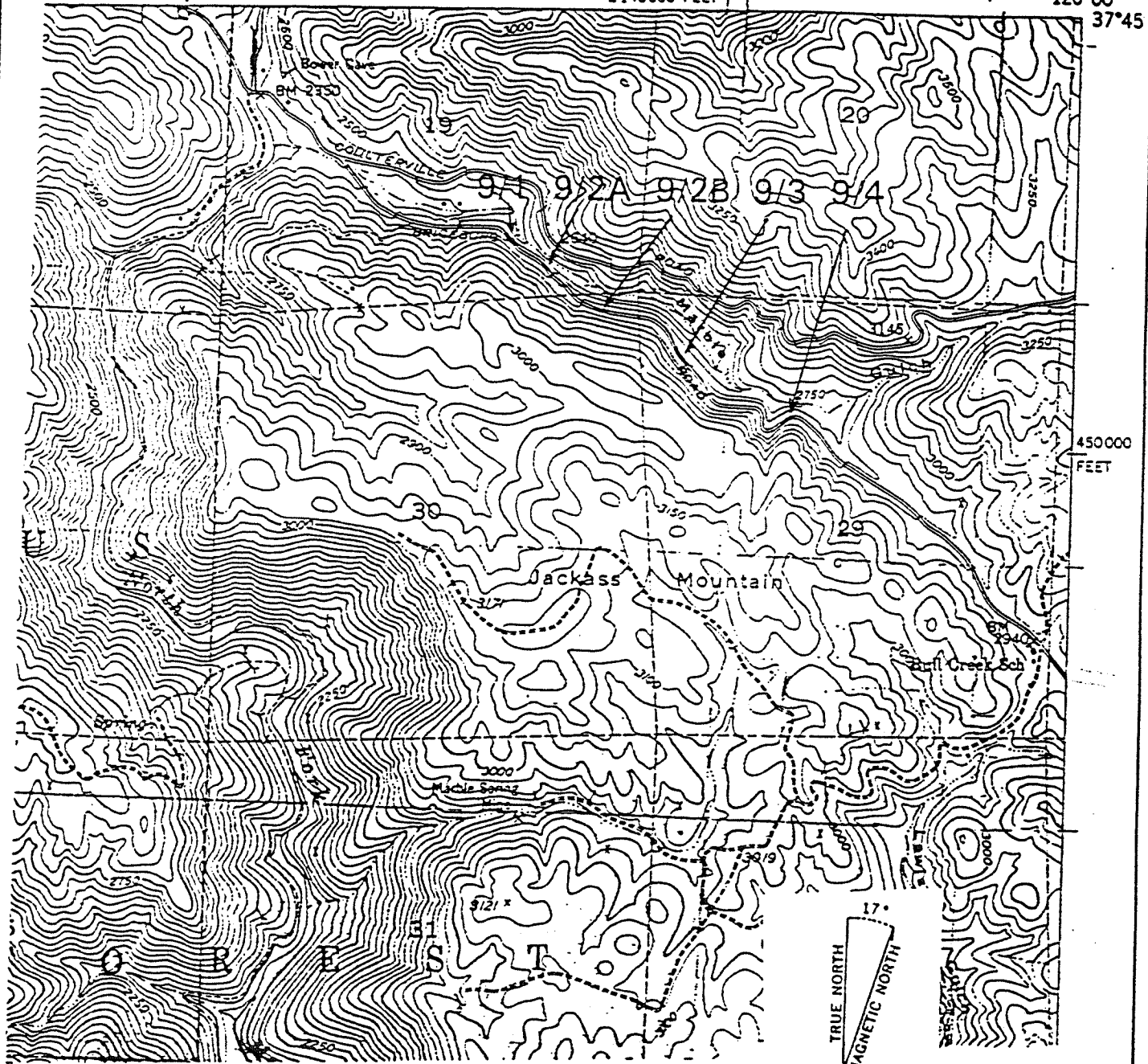
BUCKHORN PEAK QUADRANGLE CALIFORNIA—MARIPOSA CO. 7.5 MINUTE SERIES (TOPOGRAPHIC)

R. 17 E. R. 18 E.

2°30'

2140000 FEET

120°00'
37°45'



SCALE 1:24000

APPROXIMATE MEAN
DECLINATION, 1947

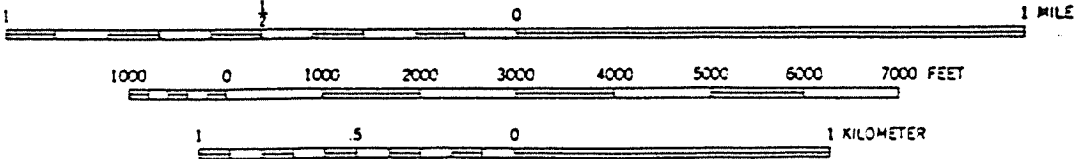


Figure 3: Project area/survey coverage map: Bull Creek project area (#9 1, 2a, 2b, 3, 4).

BUCKHORN PEAK QUADRANGLE CALIFORNIA—MARIPOSA CO. 7.5 MINUTE SERIES (TOPOGRAPHIC)

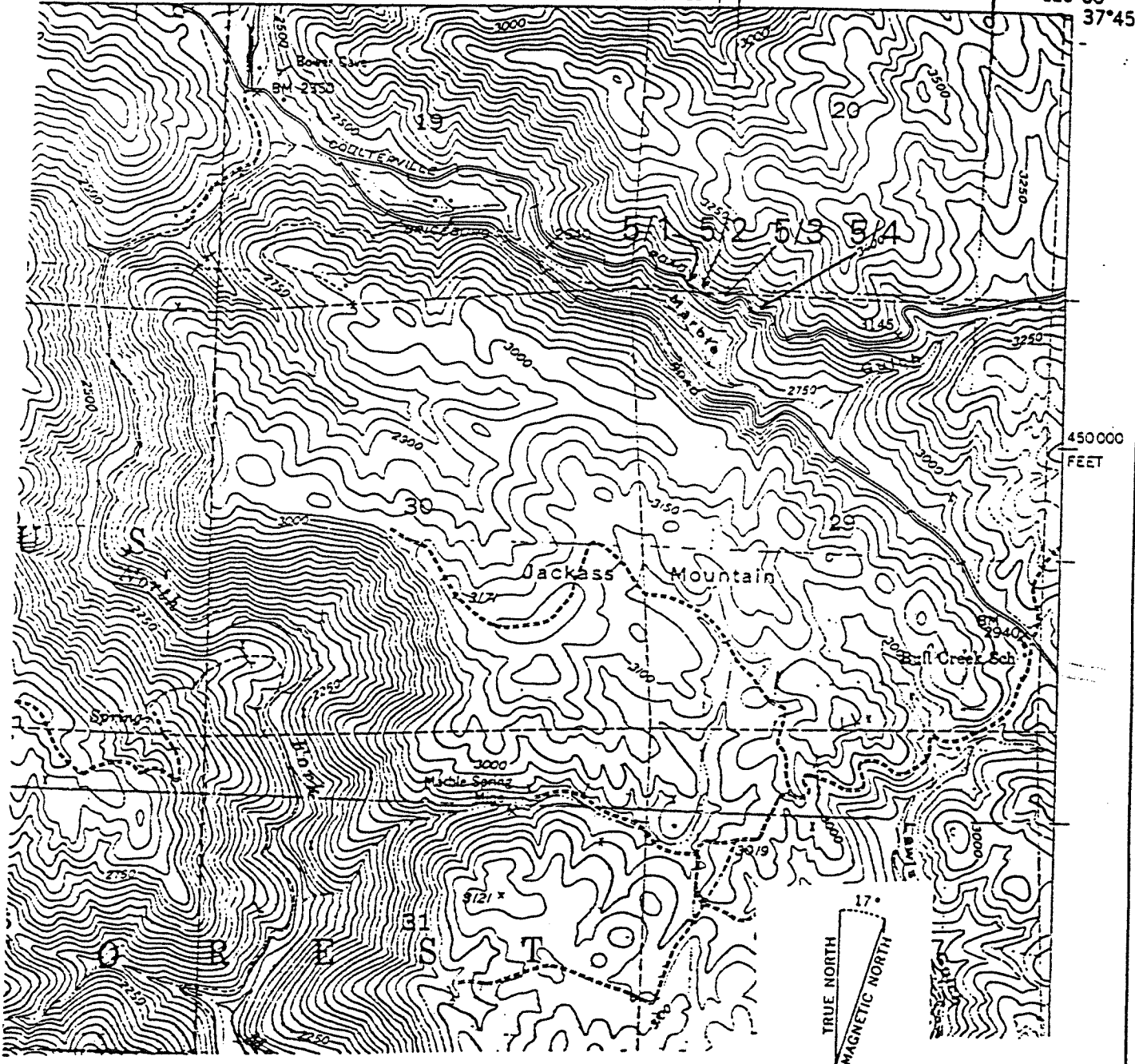
R. 17 E. R. 18 E.

2°30'

2140000 FEET

120°00'

37°45'



SCALE 1:24000

APPROXIMATE MEAN DECLINATION, 1947

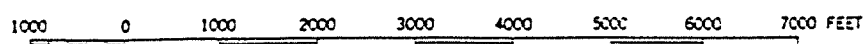
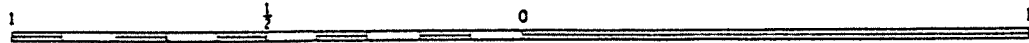
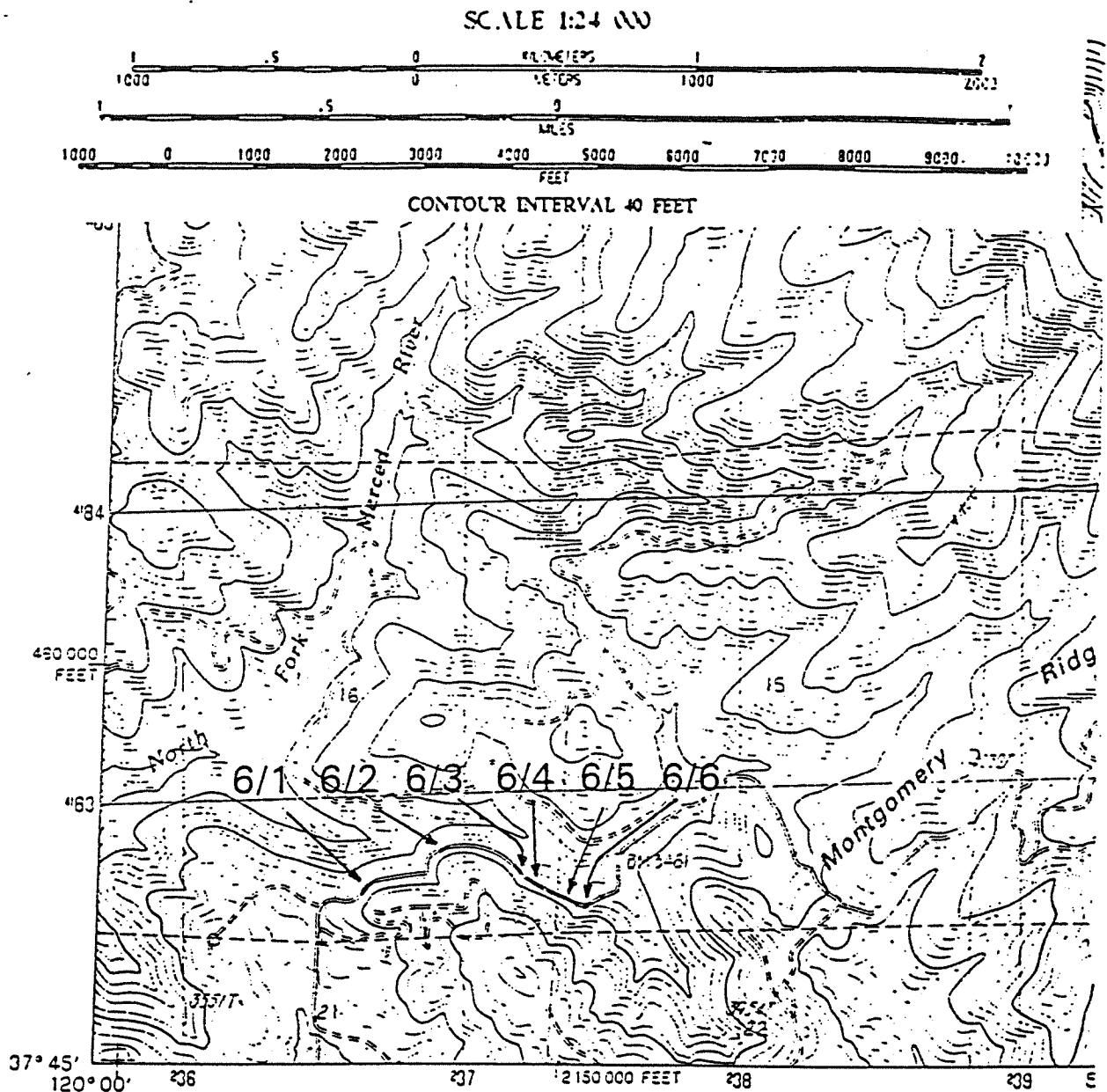


Figure 4: Project area/survey coverage map: Old Yosemite Road Project area. (#5, 1-4)

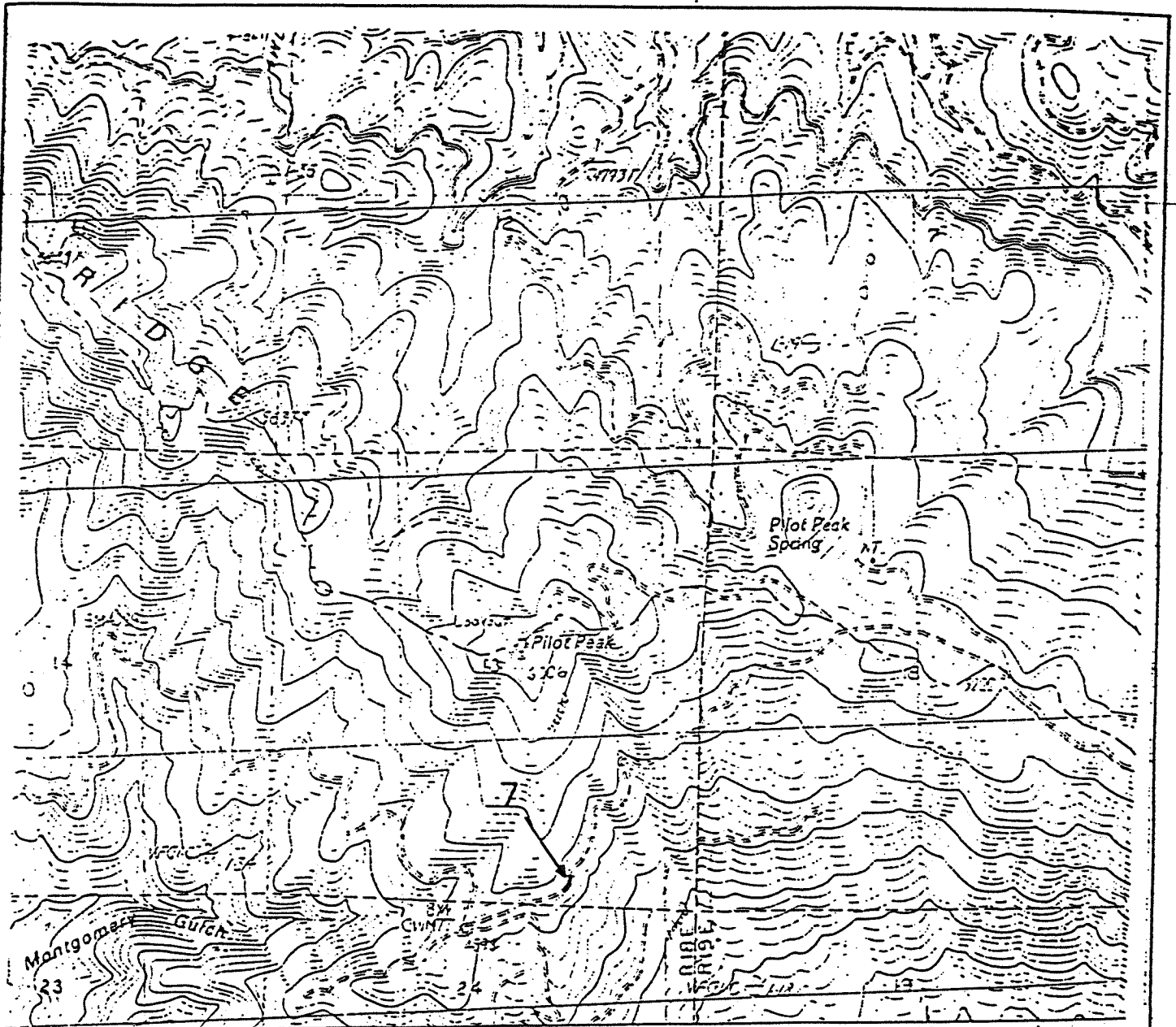


PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
 CONTROL BY USGS NOS/NOAA
 COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1984
 FIELD CHECKED 1987 MAP EDITED 1990
 PROJECTION LAMBERT CONFORMAL CONIC
 GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ZONE 11
 10,000-FOOT STATE GRID TICKS CALIFORNIA ZONE 3
 UTM GRID DECLINATION 1° 48' WEST
 1990 MAGNETIC NORTH DECLINATION 15' EAST
 VERTICAL DATUM NATIONAL GEODETIC VERTICAL DATUM OF 1929
 HORIZONTAL DATUM 1927 NORTH AMERICAN DATUM

PROVISIONAL MAP
 Produced from original
 manuscript drawings. Infor-
 mation shown as of date of
 photograph. - 1

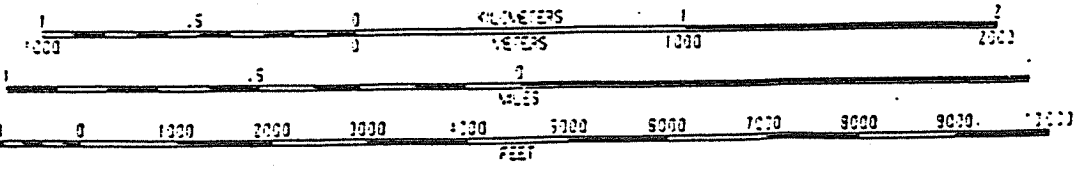
LAKE ELEANOR SW (ASCENSION MOUNTAIN)

Figure 5: Project area/survey coverage map: Old Yosemite Road project area. (#6, 1-6)



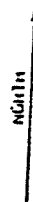
240 241 242 55'

SCALE 1:24 000



CONTOUR INTERVAL 40 FEET

To convert feet to meters multiply by .3048
 To convert meters to feet multiply by 3.2808



LAKE ELEANOR SW (ASCENSION MOUNTAIN)

PROVISIONAL MAP
 Produced from original manuscript drawings. Information shown as of date of photography. 1

Figure 6: Project area/survey coverage map: Old Yosemite Road Project area (#7).



COUNTY of MARIPOSA

4639 Ben Hur Road
Mariposa, CA 95338
(209) 966-5356

DEPARTMENT OF
PUBLIC WORKS

Divisions of:
Design & Construction
Administration
Operations

August 25, 1997

Michael D. Edwards
Director

Mariposa Gazette and Mountain Life
P. O. Box 38
Mariposa, CA 95338

RE: Request for Advertisement

Please advertise the following for four (4) weeks, beginning with the issue of September 10, 1997:

ATTENTION CONTRACTORS, REQUEST FOR BIDS FOR
REPAIR OF SLIDE, GREELEY HILL ROAD AT SHINGLE HILL, PW 96-01
&
REPAIR OF SLIDES, OLD YOSEMITE AND BULL CREEK ROADS, PW 96-22&23

Scope of work:

Shingle Hill: The work consists of cutting back into the hillside to restore the road alignment. Erosion control measures are required for approximately 4 acres on the uphill and downhill slopes. The road requires repaving through the 850 feet of slide area.

Old Yosemite and Bull Creek Roads: The work consists of rebuilding the downhill slopes of 16 small slide areas, using material designated by the Engineer from close by. Several of the steeper slides will require tire walls or Geotechnical cells, as described in the specifications. Erosion control measures are required on the uphill and downhill slopes. These are gravel surfaced roads.

The bid documents are available from the Public Works Department at a non refundable cost of \$5.00 for each of the two separate projects. Bids must be submitted prior to 2:00 p.m., Thursday, October 2, 1997 for the Shingle Hill Slide (PW96-10) and prior to 2:10 p.m., Thursday, October 2, 1996 for the slide repairs on Old Yosemite and Bull Creek Roads (PW96-22&23). There will be a mandatory job walk for both jobs, meeting at the intersection of Greeley Hill Road and Fiske Road in Greeley Hill at 1:00 p.m. on Thursday, September 25, 1997.

Michael D. Edwards
Director of Public Works

(below not part of advertisement)