



THOMAS L. BOLICH  
DIRECTOR OF PUBLIC WORKS

# County of Santa Cruz

## DEPARTMENT OF PUBLIC WORKS

701 OCEAN STREET, ROOM 410, SANTA CRUZ, CA 95060  
(831) 454-2160 FAX (831) 454-2385 TDD (831) 454-2123

### AGENDA: AUGUST 6, 2002

July 25, 2002

#### SANTA CRUZ COUNTY BOARD OF SUPERVISORS

701 Ocean Street  
Santa Cruz, California 95060

SUBJECT: WILDER RANCH BIKE PATH PROJECT,  
FEDERAL PROJECT NO. CML-5936 (029)  
CONTRACT CHANGE ORDERS NO. 3, NO. 4, NO. 5, AND NO. 6

#### Members of the Board:

The construction of the Wilder Ranch Bike Path project is set to resume on August 12, 2002, with completion of the project expected in late November 2002. The Public Works Department has been working with the California Department of Transportation (CALTRANS) over the past six months to develop a new bridge alternative to a previously state-approved prefabricated steel bridge. The proposed new structure will be a concrete slab bridge with steel posts and wood railings. CALTRANS had agreed to make the selection of the bridge alternative a priority and submitted a complete redesign to the County the first week of June 2002.

On June 11, 2002, our department submitted the bridge design information to the contractor (Santa Cruz Engineering Contractors, Inc.), and we received a bid estimate in mid-July 2002 for construction of the bridge. The contractor was asked to obtain at least three bids from subcontractors for the bridge. The overall net increase in cost to the County for deleting the prefabricated bridge and constructing the concrete slab type bridge is estimated at \$46,706.54 as indicated on the attached Contract Change Order No. 4. An additional 20 working days will be required by the contractor to accommodate the construction of the concrete slab bridge. Additional working days may also be required for any landscaping and erosion control measures that will be necessary to mitigate the new bridge alternative.

CALTRANS has also directed a design modification to the pier and lagging walls that support a portion of the bike path adjacent to the frontage of Wilder Ranch State Park. The purpose of the redesign is to reinforce the walls to accommodate oversized CALTRANS maintenance and public utility vehicles. A total of 12 additional piers will be added to the two walls near Wilder Ranch State Park to decrease the span from 2.4 meters to 1.2 meters where the wall height exceeds 1.2 meters. The bid estimate to complete the pier and lagging walls is \$18,757.00 as indicated on the attached Contract Change Order No. 5.

Santa Cruz Engineering Contractors, Inc., has submitted a request for payment of \$122,115.89 in seven potential claims related to grading, profit and delays. A contract change order has been initiated to settle four of the potential claims in the amount of \$23,300.20 as indicated on the attached Contract Change Order No. 6. Three additional claims are expected to be addressed at a later date dependent upon developing a final resolution with the contractor and CALTRANS.

In addition, an archeologically significant artifact was uncovered near Wilder Creek during excavation work for a drainage culvert. Work in the area was immediately stopped to allow the creation of a treatment plan to address the archeologically sensitive area. The drainage system had to be redesigned as a condition of the approved treatment plan in order to avoid this area, and additional construction costs will be incurred by the contractor. The attached Contract Change Order No. 3 for \$8,545.80 will reimburse the contractor for the extra work.

Sufficient funds are available in the 2002/2003 Road Fund and Transportation Fund Budgets for these change orders totaling \$97,309.54.

It is therefore recommended that the Board of Supervisors take the following action:

1. Approve Contract Change Orders No. 3, No. 4, No. 5, and No. 6 in the total amount of \$97,309.54.
2. Authorize the Chairperson of the Board to sign the change orders on behalf of the County.
3. Direct the Clerk of the Board to return the signed documents to Public Works for further processing.

Yours truly,



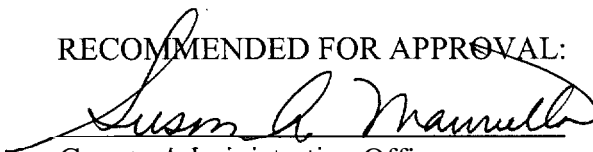
for

THOMAS L. BOLICH  
Director of Public Works

JRS:mg

Attachments

RECOMMENDED FOR APPROVAL:

  
County Administrative Officer

copy to: Public Works  
Santa Cruz Engineering Contractors, Inc.

COUNTY OF SANTA CRUZ  
REQUEST FOR APPROVAL OF AGREEMENT

0367

TO: Board of Supervisors  
county Administrative Office  
Auditor Controller

FROM PUBLIC WORKS

(Department)

BY:

Signature certifies that appropriations/revenues are available

(Signature)

(Date)

AGREEMENT TYPE (Check One)

Expenditure Agreement ☒

Revenue Agreement ☐

The Board of Supervisors is hereby requested to approve the attached agreement and authorize the execution of same.

1. Said agreement is between the COUNTY OF SANTA CRUZ (Department/Agency)  
SANTA CRUZ ENGINEERING CONTRACTORS, INC.  
and P.O. BOX 840, WATSONVILLE, CA 95077 (Name/Address)

2. The agreement will provide FOR CONSTRUCTION OF THE WILDER RANCH BIKE PATH FEDERAL PROJECT  
NUMBER CML 5936 (029)

3. Period of the agreement is from BOARD APPROVAL to 30, 2003

4. INCREASE \$77,309.54  
MARKET RATE is \$97,579.54 ☐ Fixed ☐ Monthly Rate ☐ Annual Rate ☐ Not to Exceed

Remarks: CONTRACT \$675,152.54; CONTINGENCIES \$3,696.66; OVERHEAD \$40,730.95; TOTAL \$719,580.15

5. Detail: ☐ On Continuing Agreements List for FY - Page CC- Contract No: C002384 OR ☐ 1<sup>st</sup> time Agreement  
☐ Section II No Board letter required, will be listed under Item 8 CONSTRUCTION CONTRACT  
☐ Section III Board letter required  
☐ Section IV Revenue Agreement

6. Appropriations/Revenues are available and are budgeted in SEE ATTACHMENT (Index) (Sub object)

NOTE: IF APPROPRIATIONS ARE INSUFFICIENT, ATTACHED COMPLETED AUD-74 OR AUD-60

Appropriations are available and have been encumbered.  
are not will be

Contract No: 22384-03/04/05/06  
By: Krayar Auditor-Controller Deputy Date: 7/25/02

JRS:mg

Proposal and accounting detail reviewed and approved. It is recommended that the Board of Supervisors approve the agreement and authorize  
DIRECTOR OF PUBLIC WORKS (Dept/Agency Head) to execute on behalf of the PUBLIC WORKS DEPARTMENT

Date: 7/26/02 By: Eln Sch County Administrative Office (Department/Agency)

Distribution:

Board of Supervisors - White  
Auditor Controller - Canary  
Auditor-Controller - Pink  
Department - Gold

State of California  
County of Santa Cruz

I ex-officio Clerk of the Board of Supervisors of the County of Santa Cruz,  
State of California, do hereby certify that the foregoing request for approval of agreement was ap-  
proved by said Board of Supervisors as recommended by the County Administrative Office by an  
order duly entered in the minutes of said Board on 20

ADM - 29 (8/01)  
Title I, Section 300 Proc Man

By: Deputy Clerk

AUDITOR/CONTROLLER USE ONLY

CO \$ Document No. JE Amount Lines H/TL Keyed By Date  
TC110 \$ Auditor Description Amount Index Sub object User Code 85

33

-01	6211001402401359613590	<u>CONTRACT</u>	<u>CONTING</u>	<u>SUBTOTAL</u>	<u>OH - 6%</u>	<u>TOTAL</u>
	-CCO#01	577,573.00	59,219.00	636,792.00	38,207.52	674,999.52
	-CCO#02	0.00	0.00	0.00	0.00	0.00
	-CCO#03	8,545.80	-8,545.80	0.00	0.00	0.00
	-CCO#04	46,706.54	-46,706.54	0.00	0.00	0.00
	SUBTOTAL -01	632,825.34	3,966.66	636,792.00	38,207.52	674,999.52
-02	6212201210121359613590					
	-CCO#05	18,757.00		18,757.00	1,125.42	19,882.42
	-CCO#06	23,300.20		23,300.20	1,398.01	24,698.21
	SUBTOTAL -02	42,057.20	0.00	42,057.20	2,523.43	44,580.63
	TOTAL	674,882.54	3,966.66	678,849.20	40,730.95	719,580.15

Total Increase 97,309.54

**COUNTY OF SANTACRUZ DEPARTMENT OF PUBLIC WORKS**

CONTRACT CHANGE ORDER NO. 3 REV. NO. \_\_\_\_\_ SUPPL. NO. \_\_\_\_\_

0369

CONTRACT WILDER RANCH BIKE PATH SHEET 1 OF 3 SHEETS

PUBLIC WORKS JOB NO. 40240 CONTRACT NO. 02384

T/C	R	F	DOC REF	INDEX	SUBJECT	PRJNCO	VENDOR	AMOUNT
			CD 0238401	4211003590				8545.80
SUBS1				DESCRIPTION	140240135961	CGA#23		

*For INFORMATION ONLY*

To Santa Cruz Engineering Contractors, Inc. Contractor  
You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on this contract.

NOTE: This change order is not effective until approved by the Board of Supervisors.

Description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work at contract price, agreed price and force account. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time.

Change requested by Engineer

The last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

1. Eliminate the drainage structure detailed in notes 1 and 11 on sheet 3 of 32 on the contract plans at approximately Sta 1 + 005.

Estimate of decrease in contract items at contract item unit prices:

Item #23 - Type G-1 Catch Basin - 1 Ea @ \$2,300 =	-\$2,300.00 (-100%)
Item #20 - 300mm Storm Drain - 35.7 M @ \$220/M =	-\$7,584.00 (-63.8%)
Adjustment of Compensation at agreed Lump Sum:	-7,854.00

In accordance with Section 4-1.03B (3), "Eliminated Items," of the Standard Specifications, the adjustment due to eliminating the drainage structure is \$5,384.30. This sum constitutes full and complete compensation for all costs associated with the partial installation of the drainage structure prior to its elimination, for furnishing all labor, materials, equipment, tools and incidentals, including all 8545.80 markups by reason of this change.

→ \$6,399.80

Estimated Cost Decrease \$ \_\_\_\_\_ or Increase \$ 7,530.30

By reason of this order the time of completion will be adjusted as follows:

**N/A NO TIME ADJUSTMENT**

Submitted by [Signature] for Kiplinder Resident Engineer Date 1/15/02  
Approval Recommended: [Signature] Construction Engineer Date 7-16-02  
Approved: Board of Supervisors by [Signature] Director of Public Works Date \_\_\_\_\_

We, the undersigned contractor, have given careful consideration to the change proposed, and hereby agree. If this proposal is approved, that we will provide all equipment, furnish all materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

Accepted: Date 6/10/02 Contractor Santa Cruz Engineering Contractors, Inc.

By [Signature] Title PRJ. MANAGER

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

CLERK OF THE BOARD  
AUDITOR/CONTROLLER  
DPW6 (Rev. 9/18/00)

CONTRACTOR  
RESIDENT ENGINEER

FISCAL OFFICE  
PROJECT FILE

**85**

CALTRANS approved by: [Signature] Title: Siobian Saunders Date: 6/10/02

CONTRACT CHANGE ORDER NO. 3 REV. NO. \_\_\_\_\_ SUPPL. NO. \_\_\_\_\_CONTRACT WILDER RANCH BIKE PATH SHEET 2 OF 3 SHEETSPUBLIC WORKS JOB NO. 40740 CONTRACT NO. 02384

2. Install new drainage systems as detailed on sheet 2 of this change order. **All** work to be done in accordance with the Special Provisions.

Estimate **of** increases in contract items at contract item prices

Item #23 - Type G-1 Catch Basin	2 Ea @ \$2,300/EA	=	\$4,600.00
Item #20 - 300mm Storm Drain	35M @ \$220/M	=	\$7,700.00

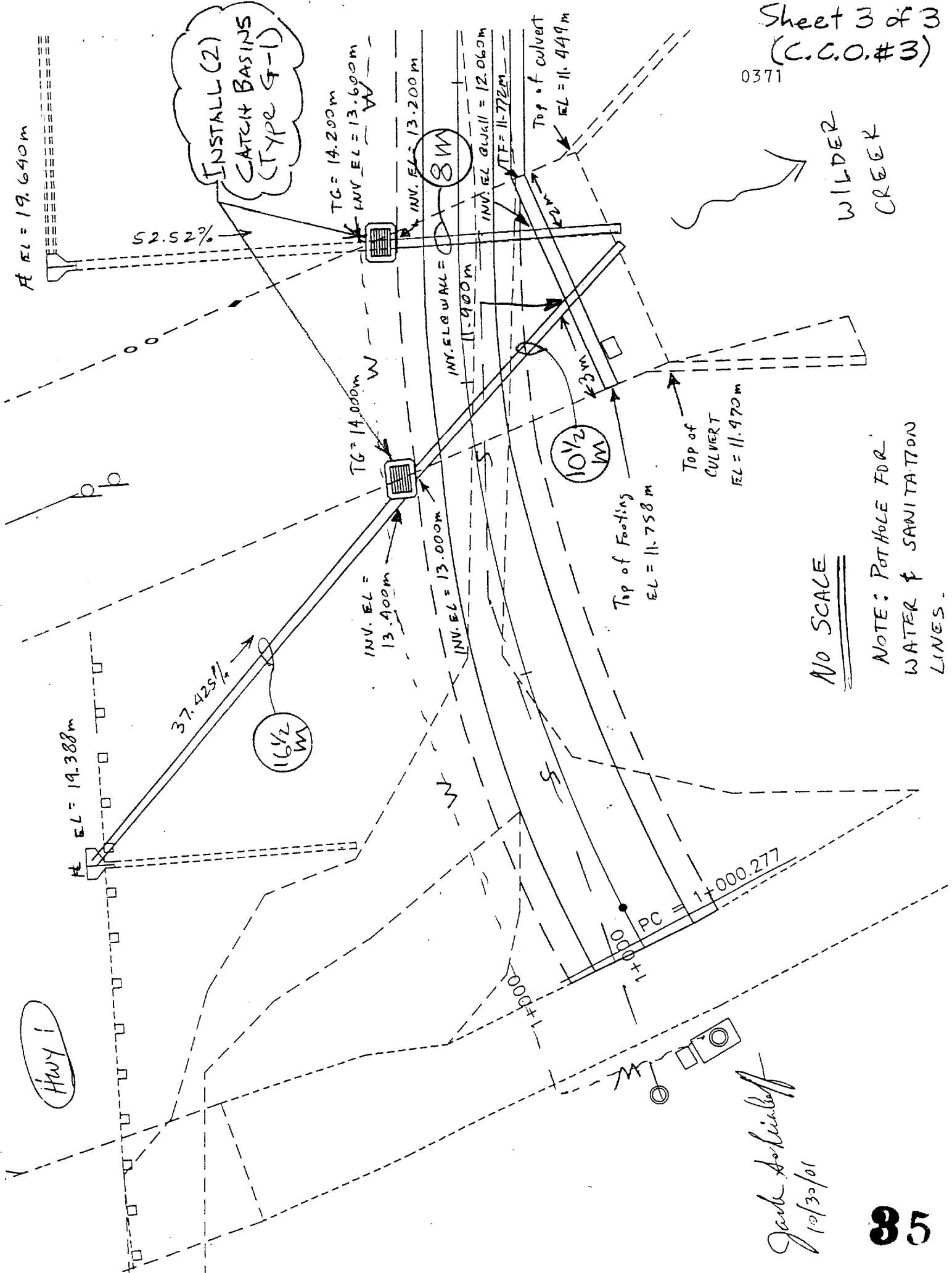
There will be no adjustment for Item #23, Type G-1 Catch Basin in accordance with Section 4-1.03B, "Increased or Decreased Quantities," of the Standard Specifications, by reason of this change order.

0371

WILDER  
CREEK

NO SCALE

NOTE: POT HOLE FOR  
WATER & SANITATION  
LINES.



## 0372

CONTRACT CHANGE ORDER NO. 4 REV. NO. \_\_\_\_\_ SUPPL. NO. \_\_\_\_\_  
CONTRACT WILDER RANCH BIKE PATH PROJECT SHEET 1 OF 20 SHEETS  
PUBLIC WORKS JOB NO. ~~4028~~ 40240 CONTRACT NO. 02384

FOR INFORMATION ONLY

NOTE: This change order is not effective until approved by the Board of Supervisors.

Change requested by **RESIDENT ENGINEER** (**BRIDGE AND ADD CONCRETE SLAB BRIDGE**)

ITEM NO.	9 (F) STRUCTURE BACKFILL MINUS 11 M3 @ \$70.00 =	-\$ 770.00	-6.29%
ITEM No.	17 (S) PREFABRICATED BRIDGE MINUS 1 EA @ \$30,000.00 =	-\$30,000.00	-100.00%
ITEM NO.	26 (S) WIRE MESH FENCE MINUS 15 M @ \$54.00 =	-\$ 810.00	-3.66%
	TOTAL DEDUCTIONS =	-\$31,580.00	

ITEM NO. 7 (F) STRUCTURE EXCAVATION 3 M3 @ \$43.00 =	\$ 129.00	1.88%
ITEM NO. 15 (F) CONCRETE STRUCTURES 15 M3 @ \$590.00 =	\$ 8,850.00	16.67%
ITEM NO. 16 (F) REINFORCEMENT 2932 KG @ \$2.50 =	\$ 7,330.00	38.68%

DJH:mg Estimated Cost Decrease \$ \_\_\_\_\_ or Increase \$ 106.57

FISCAL OFFICER  
PROJECT FILE

Page

Time

CALTRANS APPROVED BY:

**85A**

## COUNTY OF SANTA CRUZ DEPARTMENT OF PUBLIC WORKS

0373

CONTRACT CHANGE ORDER NO. 4 REV. NO. \_\_\_\_\_ SUPPL. NO. \_\_\_\_\_CONTRACT WILDER RANCH BIKE PATH PROJECT SHEET 2 OF 20 SHEETSPUBLIC WORKS JOB NO. ~~4020~~ 40240 CONTRACT NO. 02384**ADJUSTMENT IN COMPENSATION AT AGREED UNIT PRICE**

ITEM NO. 15 (P) CONCRETE STRUCTURES 45 M3 @ \$596.3333 = \$26,835.00

**EXTRA WORK AT AGREED UNIT PRICE****GUARDRAIL 35 M @ \$662.00 = \$23,170.00****EXTRA WORK AT FORCE ACCOUNT****REMOBILIZATION COSTS 1 LS @ \$2,584.00 = \$ 2,584.00****TOTAL INCREASES = \$78,286.54****TOTAL COST THIS CHANGE ORDER = \$46,706.54****NOTES :**

In accordance with Section 4-1.03B(3), "Eliminated Items," of the Standard Specifications, the adjustment due to eliminating the prefabricated bridge is \$9,388.54. This sum constitutes full and complete compensation for all costs associated with all work already performed on this item including furnishing all labor, materials, equipment, tools, and incidentals, and all markups,

Construct a cast-in-place reinforced concrete bridge as detailed on sheets 3 through 20 of this change order. All work to be done in accordance with the contract documents.

There will be no adjustment for Item #16, Reinforcement in accordance with Section 4-1.03B, "Increased or Decreased Quantities," of the Standard Specifications, by reason of this change order.

(PAGES 3 -- 20 ON FILE WITH THE CLERK OF THE BOARD)

## COUNTY OF SANTACRUZ DEPARTMENT OF PUBLIC WORKS

0374

CONTRACT CHANGE ORDER NO. 5 REV. NO. \_\_\_\_\_ SUPPL. NO. \_\_\_\_\_CONTRACT WILDER RANCH BIKE PATH PROJECT SHEET 1 OF 16 SHEETSPUBLIC WORKS JOB NO. ~~21012~~ 21012 CONTRACT NO. 02384

T/C	F	DOC REF	INDEX	SUBJECT	PRJ/UCD	VENDOR	AMOUNT
		<u>C002384-02</u>	<u>621220</u>	<u>3580</u>			<u>18,757.00</u>
SUBSID		DESCRIPTION					
		<u>12/10/12 135961 C00#02</u>					

For INFORMATION ONLY

To SANTA CRUZ ENGINEERING CONTRACTORS, INC. Contractor

You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on this contract.

NOTE: This change order is not effective until approved by the Board of Supervisors.

Description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work at contract price, agreed price and force account. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time.

Change requested by RESIDENT ENGINEER (CHANGE ORDER TO INSTALL AND COAT ADDITIONAL RETAINING WALL PIERS)The last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.  
**INSTALL AND COAT ADDITIONAL RETAINING WALL PIERS AS SHOWN ON SHEETS 2 THROUGH 16 OF THIS CHANGE ORDER.**

ESTIMATE OF INCREASE IN CONTRACT ITEMS AT CONTRACT UNIT PRICE

ITEM NO. 10 RETAINING WALL PIERS 66M @ \$216.00 = \$14,256.00 32.51%

ADJUSTMENT IN COMPENSATION AT AGREED LUMP SUM PRICE

MOBILIZATION AND PAINTING 1 LS @ \$4,501.00 = \$ 4,501.00

TOTAL INCREASES = \$18,757.00

TOTAL COST THIS CHANGE ORDER = \$18,757.00

FOR THIS WORK, THE CONTRACTOR SHALL RECEIVE AND ACCEPT THE AGREED LUMP SUM OF \$4,501. THIS SUM CONSTITUTES FULL AND COMPLETE COMPENSATION FOR PROVIDING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, AND INCIDENTALS, INCLUDING ALL MARKUPS FOR MOBILIZATION OF DRILLING SUBCONTRACTOR AND ~~CONCRETE~~ TO REVISED PAINTING SPECIFICATIONS.

(PAGES 2 - 16 ON FILE WITH THE CLERK OF THE BOARD)

JRS:mg

Estimated Cost Decrease \$ \_\_\_\_\_ or Increase \$ 18,757.00By reason of this order the time of completion will be adjusted as follows: -0-Submitted by: Dan Hill RESIDENT ENGINEER Date 7-24-02

Approval Recommended: \_\_\_\_\_ DIRECTOR OF PUBLIC WORKS Date \_\_\_\_\_

Approved: Board of Supervisors by \_\_\_\_\_ Date \_\_\_\_\_

We, the undersigned contractor, have given careful consideration to the change proposed, and hereby agree. If this proposal is approved, that we will provide all equipment, furnish all materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

Accepted: Date 7-26-02 Contractor SANTA CRUZ ENGINEERING CONTRACTORS, INC.By Josh West Title PROJ. MANAGER

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein, specified.

CLERK OF THE BOARD  
AUDITOR-CONTROLLER  
DPW6 (Rev. 9/18/00)

85

CONTRACTOR  
RESIDENT ENGINEERFISCAL OFFICER  
PROJECT FILEDATE  
TITLECALTRANS  
APPROVED

COUNTY OF SANTACRUZ DEPARTMENT OF PUBLIC WORKS

0375

CONTRACT CHANGE ORDER NO. 6 REV. NO. \_\_\_\_\_ SUPPL. NO. \_\_\_\_\_

CONTRACT WILDER RANCH BIKE PATH PROJECT SHEET 10 OF 1 SHEETS

PUBLIC WORKS JOB NO. 4020 21012 CONTRACT NO. 02384

T/C	R	F	DOC REF	INDEX	SUBJECT	PRJ/UCD	VENDOR	AMOUNT
			G01021384	621220	3590			23,300.20
SUBSID			DESCRIPTION					
			121912135961				CC0406	

FOR INFORMATION ONLY

To SANTA CRUZ ENGINEERING CONTRACTORS, INC. Contractor

You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on this contract.

NOTE: This change order is not effective until approved by the Board of Supervisors.

Description of work to be done, estimate of Quantities, and prices to be paid. Separate between additional work at contract price, agreed price and force account. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time.

Change requested by RESIDENT ENGINEER (CHANGE ORDER RESOLVES NOTICE OF POTENTIAL CLAIMS 1, 2, 3, AND 5, DATED 4/24/02:

The last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

ADJUSTMENT IN COMPENSATION AT AGREED LUMP SUM PRICE

NOTICE OF POTENTIAL CLAIMS 1 LS @ \$23,300.20 = \$23,300.20

TOTAL INCREASES = \$23,300.20

TOTAL COST THIS CHANGE ORDER = \$23,300.20

THE CONTRACTOR SHALL RECEIVE AND ACCEPT THE AGREED LUMP SUM OF \$23,300.20. THIS SUM CONSTITUTES FULL AND COMPLETE RESOLUTION OF THE ABOVE NOTICES OF POTENTIAL CLAIM AND NO FURTHER CONSIDERATION WILL BE MADE PERTAINING TO THE ISSUES THEREOF.

JRS:mg

Estimated Cost Decrease \$ \_\_\_\_\_ or Increase \$ 23,300.20

By reason of this order the time of completion will be adjusted as follows: -0-

Submitted by: Dan Hill

RESIDENT  
ENGINEER

Date 7-24-02

Approval Recommended: \_\_\_\_\_

DIRECTOR OF  
PUBLIC WORKS

Date \_\_\_\_\_

Approved: Board of Supervisors by \_\_\_\_\_

Date \_\_\_\_\_

We, the undersigned contractor, have given careful consideration to the change proposed, and hereby agree. If this proposal is approved, that we will provide all equipment, furnish all materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

Accepted: Date 7-26-02 Contractor SANTA CRUZ ENGINEERING CONTRACTORS, INC.

By Paul West Title PROJ. MANAGER

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

CLERK OF THE BOARD  
AUDITOR-CONTROLLER  
DPW6 (Rev. 9/18/00)

CONTRACTOR  
RESIDENT ENGINEER

FISCAL OFFICER  
PROJECT FILE

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CALTRANS  
APPROVED:

DATE:  
TITLE: