

County of Santa Cruz

DEPARTMENT OF PUBLIC WORKS

701 OCEAN STREET, ROOM 410, SANTA CRUZ, CA 95060-4070
(831) 454-2160 FAX (831) 454-2385 TDD (831) 454-2123

JOHN A. FANTHAM
DIRECTOR OF PUBLIC WORKS

AGENDA: August 3, 1999

July 22, 1999

SANTA CRUZ COUNTY BOARD OF SUPERVISORS

701 Ocean Street

Santa Cruz, California 95060

SUBJECT: TROUT GULCH ROAD STORM DAMAGE REPAIR (16 SITES)
CONTRACT NUMBER 8 1692
PUBLIC WORKS JOB NUMBER VARIOUS
NOTICE OF COMPLETION

Members of the Board:

The subject project was completed on May 27, 1999. The contractor was On Grade Contracting, 17255 Jeni Court, Jamestown, California.

The original bid price was \$681,693 .00 and corrected to \$691,943 .00. Total construction cost is \$713,478.12 due in part to Contract Change Order No. 1 previously approved by the Board for the removal of unsuitable subgrade materials. A summary of final costs is attached for your information.

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

1. Accept the improvements and approve the final cost.
2. Authorize the Clerk of the Board to file the Notice of Completion, a copy of which is attached.

3. Direct the County Recorder to return the original Notice of Completion to the Clerk of the Board.

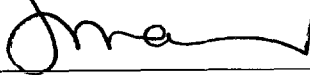
Yours truly,

For Charlie A Jones Jr
JOHN A. FANTHAM
Director of Public Works

DAK:rw

Attachments

RECOMMENDED FOR APPROVAL:



County Administrative Officer

Copy to: Recorder's Office
Public Works

WHEN RECORDED MAIL TO:
COUNTY OF SANTA CRUZ
CLERK OF THE BOARD

NOTICE OF COMPLETION

NOTICE IS HEREBY GIVEN that the County of Santa **Cruz**, owner of the property hereinafter described, whose address is 701 Ocean Street, Santa **Cruz**, California, has caused a work of improvement more particularly described as follows:

**TROUT GULCH ROAD STORM DAMAGE REPAIR
(16 PROJECT SITES)**

to be constructed on property more particularly described as follows:

**VARIOUS PROJECT SITES ALONG TROUT GULCH ROAD BETWEEN
M.P. 1.10 AND M.P. 3.10**

The work of improvement was completed by On Grade Contracting whose address is 17255 Jeni Court, Jamestown, California 95327.

The work of improvement was actually completed on the 27th day of May 1999, and accepted by the Board of Supervisors of said County on the 3rd day of August, 1999.

DATED: August 3, 1999

JOHN A. FANTHAM
Director of Public Works
County of Santa Cruz

The undersigned states: That he is the Director of Public Works of the County of Santa Cruz, Owner of the property referred to in this Notice of Completion; that the Board of Supervisors of said County on the 3rd day of August, 1999 accepted said work of improvement and directed the filing of the Notice of Completion; that he has read the Notice of Completion and knows the contents thereof; and that the facts stated therein are true.

I declare under penalty of perjury that the foregoing is true and correct.

Executed by me this 3rd day of August 1999, at Santa **Cruz**, California.

JOHN A. FANTHAM
Director of Public Works
County of Santa Cruz

COUNTY OF SANTA CRUZ
DEPARTMENT OF PUBLIC WORKS
STATE OF CALIFORNIA
SUMMARY OF FINAL COSTS FOR
TROUT GULCH RD. (16 SITES)

CONTRACT NO. 81692

ITEM NO.	ITEM	PROPOSED QUANTITY	MEASURED QUANTITY	UNIT	DIFFERENCE	UNIT COST	FINAL COST	DIFFERENCE
SITE: TROUT GULCH RD. P.M. 1.10								
1	TRAFFIC CONTROL SYSTEM	1	1	LS		\$15,000.00	\$15,000.00	
2	CLEARING AND GRUBBING	1	1	L.S.		\$7,500.00	\$7,500.00	
3	CONC. D.I. W/SIDE OPENING & GRATE COVER	1	1	EA.		\$2,500.00	\$2,500.00	
4	SACKED CONCRETE.	5	5	CY.		\$700.00	\$3,500.00	
5	18" CORRUGATED POLYETHYLENE PIPE	78	90	LF	12	\$120.00	\$10,800.00	\$1,440.00
6	REINFOR. CONC. CRIBWALL (COMPLETE)	896	784	SF	-112	\$50.50	\$39,592.00	(\$5,656.00)
7	UNDERDRAIN SYSTEM (COMPLETE)	1	1	LS		\$9,750.00	\$9,750.00	
8	AGGREGATE BASE (CLASS 2)	40	49.79	TON	9.79	\$72.00	\$3,584.88	\$704.88
9	ASPHALT CONCRETE (TYPE B)	21	20.25	TON	-0.75	\$95.00	\$1,923.75	(\$71.25)
10	ASPHALT CONCRETE DIKE (TYPE A)	60		LF	-60	\$10.00		(\$600.00)
11	METAL BEAM GUARD RAIL	80	76	LF	-4	\$45.00	\$3,420.00	(\$180.00)
12	CABLE ANC. ASSEM. (TY.A) & END SEC. (TY.C)	2	2	EA.		\$1,000.00	\$2,000.00	
13	EROSION CONTROL & REVEGETATION	1	1	LS		\$2,500.00	\$2,500.00	
SITE SUB TOTAL:							\$102,070.63	(\$4,362.37)
SITE: TROUT GULCH RD. P.M. 1.13								
1	TRAFFIC CONTROL SYSTEM	1	1	LS		\$12,000.00	\$12,000.00	
2	CLEARING AND GRUBBING	1	1	LS		\$5,000.00	\$5,000.00	
3	TYPE G-O DRAIN INLET	1	1	EA		\$2,500.00	\$2,500.00	
4	CONC. D.I. W/SIDE OPENING & GRATE COVER	1	1	EA		\$2,500.00	\$2,500.00	
5	24" CORRUGATED POLYETHYLENE PIPE	135	150	LF	15	\$85.00	\$12,750.00	\$1,275.00
6	ROCK ENERGY DISSIPATER	1	1	EA		\$1,000.00	\$1,000.00	
7	EARTH RETAINING STRUCTURE (COMPLETE)	1,800	1,586	SF	-214	\$31.50	\$49,959.00	(\$6,741.00)
8	UNDERDRAIN SYSTEM (COMPLETE)	1	1	LS		\$8,500.00	\$8,500.00	
9	AGGREGATE BASE (CLASS 2)	75	92.47	TON	17.47	\$65.00	\$6,010.55	\$1,135.55
10	ASPHALT CONCRETE (TYPE B)	30	26	TON	-4	\$90.00	\$2,340.00	(\$360.00)
11	ASPHALT CONCRETE DIKE (TYPE A)	80		LF	-80	\$10.00		(\$800.00)
12	METAL BEAM GUARD RAIL	80	100	LF	20	\$45.00	\$4,500.00	\$900.00
13	CABLE ANC. ASSEM. (TY.A) & END SEC. (TY.C)	2	2	EA.		\$1,000.00	\$2,000.00	
14	EROSION CONTROL & REVEGATATION	1	1	LS		\$2,500.00	\$2,500.00	
15	EXTRA WORK / CHANGE ORDER NO. 1		1	LS			\$33,937.29	\$30,937.29
SITE SUB TOTAL:							\$145,496.84	\$26,346.84

SITE:	TROUT GULCH RD. P.M. 1.16							
1	TRAFFIC CONTROL SYSTEM	1	1	LS		\$2,000.00	\$2,000.00	
2	CLEARING AND GRUBBING	1	1	LS		\$1,500.00	\$1,500.00	
3	CONC. D.I. W/SIDE OPENING & GRATE COVER	1	1	EA.		\$2,500.00	\$2,500.00	
4	18" CORRUGATED POLYETHYLENE PIPE	75	78	LF	3	\$110.00	\$8,580.00	\$330.00
5	ASPHALT CONCRETE (TYPE B)	1	1	TON		\$500.00	\$500.00	
6	ROCK SLOPE PROTECTION	30	35.06	TON	5.06	\$75.00	\$2,629.50	\$379.50
7	EXTRA WORK 3X5 ROCK	13.53	13.53	TON		\$75.00	\$1,014.75	
SITE SUB TOTAL:							\$18,724.25	\$709.50
SITE:	TROUT GULCH RD. P.M. 1.18							
1	TRAFFIC CONTROL SYSTEM	1	1	LS		\$3,000.00	\$3,000.00	
2	CLEARING AND GRUBBING	1	1	LS		\$2,500.00	\$2,500.00	
3	CONC. D.I. W/SIDE OPENING & GRATE COVER	1	1	EA.		\$2,500.00	\$2,500.00	
4	24" CORRUGATED POLYETHYLENE PIPE	75	68	LF	-7	\$120.00	\$8,160.00	(\$840.00)
5	EARTHWORK (F)	150	150	CY.		\$50.00	\$7,500.00	
6	ENGINEERED FILL	1,000	1,000	TON		\$31.50	\$31,500.00	
7	AGGREGATE BASE CL2	20	22.35	TON	2.35	\$70.00	\$1,564.50	\$164.50
8	ASPHALT CONCRETE TYPE B	5	6	TON	1	\$200.00	\$1,200.00	\$200.00
9	ASPHALT CONCRETE DIKE (TYPE A)	70	70	LF		\$10.00	\$700.00	
10	METAL BEAM GUARD RAIL	70	77	LF	7	\$45.00	\$3,465.00	\$315.00
11	CABLE ANC. ASSEM. (TY.A) & END SEC. (TY.C)	2	2	EA.		\$1,000.00	\$2,000.00	
12	ROCK SLOPE PROTECTION (1/2 TON)	425	444.08	TON	19.08	\$75.00	\$33,306.00	\$1,431.00
13	EROSION CONTROL & REVEGETATION	1	1	LS		\$1,800.00	\$1,800.00	
14	EXTRA WORK LONG HAUL FILL	867	867	TON		\$5.70	\$4,941.90	
SITE SUB TOTAL:							\$104,137.40	\$1,270.50
SITE:	TROUT GULCH RD. P.M. 1.25							
1	TRAFFIC CONTROL SYSTEM	1	1	LS		\$1,500.00	\$1,500.00	
2	CLEARING AND GRUBBING	1	1	LS		\$1,000.00	\$1,000.00	
3	CONC. D.I. W/SIDE OPENING & GRATE COVER	1	1	EA.		\$3,500.00	\$3,500.00	
4	18" CORRUGATED POLYETHYLENE PIPE	64	80	LF	16	\$125.00	\$10,000.00	\$2,000.00
SITE SUB TOTAL:							\$16,000.00	\$2,000.00
SITE:	TROUT GULCH RD. P.M. 1.30							
1	TRAFFIC CONTROL SYSTEM	1	1	LS		\$1,500.00	\$1,500.00	
2	CLEARING AND GRUBBING	1	1	LS		\$1,000.00	\$1,000.00	
3	CONC. D.I. W/SIDE OPENING & GRATE COVER	1	1	EA.		\$2,500.00	\$2,500.00	
4	18" CORRUGATED POLYETHYLENE PIPE	48	60	LF	12	\$120.00	\$7,200.00	\$1,440.00
5	ROCK SLOPE PROTECTION (1/4 TON)	50	58.43	TON	8.43	\$75.00	\$4,382.25	\$632.25
SITE SUB TOTAL:							\$16,582.25	\$2,072.25
SITE:	TROUT GULCH RD. P.M. 1.32							
1	TRAFFIC CONTROL SYSTEM	1	1	LS		\$1,500.00	\$1,500.00	
2	CLEARING AND GRUBBING	1	1	LS		\$1,000.00	\$1,000.00	
3	ASPHALT CONCRETE (TYPE B)	2	2	TON		\$500.00	\$1,000.00	
4	ROCK SLOPE PROTECTION (1/2 TON)	80	81.80	TON	1.80	\$75.00	\$6,135.00	\$135.00
SITE SUB TOTAL:							\$9,635.00	\$135.00

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UT	SITE: TROUT GULCH RD. P.M. 1.42							
	TRAFFIC CONTROL SYSTEM	1	1	LS		\$1,500.00	\$1,500.00	
2	CLEARING AND GRUBBING	1	1	LS		\$1,000.00	\$1,000.00	
3	CONC. D.I. W/SIDE OPENING & GRATE COVER	1	1	EA.		\$3,500.00	\$3,500.00	
4	18" CORRUGATED POLYETHYLENE PIPE	60	74	LF	14	\$125.00	\$9,250.00	\$1,750.00
5	ENGINEERED FILL	75	75	TON		\$50.00	\$3,750.00	
6	ASPHALT CONCRETE (TYPE B)	2	2	TON		\$500.00	\$1,000.00	
7	ASPHALT CONCRETE DIKE (TYPE A)	45	47	LF	2	\$15.00	\$705.00	\$30.00
8	EROSION CONTROL & REVEGETATION	1	1	LS		\$1,500.00	\$1,500.00	
9	EXTRA WORK LONG HAUL FILL	72.25	72.25	TON		\$5.70	\$411.83	
SITE SUB TOTAL:							\$22,616.83	\$1,780.00
2	SITE: TROUT GULCH RD. P.M. 1.46							
1	TRAFFIC CONTROL SYSTEM	1	1	LS		\$2,000.00	\$2,000.00	
2	CLEARING AND GRUBBING	1	1	LS		\$1,150.00	\$1,150.00	
3	CONC. D.I. W/SIDE OPENING & GRATE COVER	1	1	EA.		\$3,500.00	\$3,500.00	
4	18' CORRUGATED POLYETHYLENE PIPE	65	74	LF	9	\$120.00	\$8,880.00	\$1,080.00
5	ENGINEERED FILL	160	160	TON		\$50.00	\$8,000.00	
6	AGGREGATE BASE (CLASS 2)	351	23.401	TON	-11.601	\$65.00	\$1,521.00	(\$754.00)
7	ASPHALT CONCRETE (TYPE B)	151	171	TON	2	\$125.00	\$2,125.00	\$250.00
8	EXTRA WORK LONG HAUL FILL	144.50	144.50	TON		\$5.70	\$823.65	
SITE SUB TOTAL:							\$28,349.65	\$576.00
3	SITE: TROUT GULCH RD. P.M. 1.75							
1	TRAFFIC CONTROL SYSTEM	1	1	LS		\$15,000.00	\$15,000.00	
2	CLEARING AND GRUBBING	1	1	LS		\$8,500.00	\$8,500.00	
3	TEMPORARY STREAM DIVERSION	1	1	LS		\$10,000.00	\$10,000.00	
4	EARTH WORK (F)	270	270	CY		\$75.00	\$20,250.00	
5	CONC. D.I. W/SIDE OPENING & GRATE COVER	2	2	EA.		\$2,500.00	\$5,000.00	
6	OVERSIDE DRAIN WITH TAPERED INLET	1	1	EA.		\$500.00	\$500.00	
7	18" CORRUGATED POLYETHYLENE PIPE	1001	1141	LF	141	\$85.00	\$9,690.00	\$1,190.00
8	DITCH EXCAVATION	70	70	LF		\$50.00	\$3,500.00	
9	ENGINEERED FILL	410	410	TON		\$50.00	\$20,500.00	
10	AGGREGATE BASE (CLASS 2)	30	38	TON	7.50	\$65.00	\$2,437.50	\$487.50
11	ASPHALT CONCRETE (TYPE B)	13	15	TON	2	\$150.00	\$2,250.00	\$300.00
12	ASPHALT CONCRETE DIKE (TYPE A)	180	2021	CY	221	\$10.00	\$2,020.00	\$220.00
13	CONCRETE GROUT	3	3			\$2,500.00	\$7,500.00	
14	ROCK SLOPE PROTECTION (1/4 TON)	350.00	373.97	TON	23.97	\$75.00	\$28,047.75	\$1,797.75
15	EROSION CONTROL AND REVEGETATION	1	1	LS		\$2,000.00	\$2,000.00	
16	EXTRA WORK LONG HAUL FILL	361.25	361.25	TON		\$5.70	\$2,059.13	
SITE SUB TOTAL:							\$139,254.38	\$3,995.25
4	SITE: TROUT GULCH RD. P.M. 1.77							
1	TRAFFIC CONTROL SYSTEM	1	1	LS		\$1,000.00	\$1,000.00	
2	CLEARING AND GRUBBING	1	1	LS		\$1,000.00	\$1,000.00	
3	ROCK SLOPE PROTECTION (1/4 TON)	160	175.30	TON	15.30	\$75.00	\$13,147.50	\$1,147.50
SITE SUB TOTAL:							\$15,147.50	\$1,147.50

SITE:	TROUT GULCH RD. P.M. 1.83							
1	TRAFFIC CONTROL SYSTEM	1	1	LS		\$2,500.00	\$2,500.00	
2	CLEARING AND GRUBBING	1	1	LS		\$1,500.00	\$1,500.00	
3	ROCK SLOPE PROTECTION (1/2 TON)	65	61.80	TON	-3.20	\$75.00	\$4,635.00	(\$240.00)
4	ENGINEERED FILL	200	200	TON		\$50.00	\$10,000.00	
5	ASPHALT CONCRETE (TYPE B)	2	2	TON		\$500.00	\$1,000.00	
6	EROSION CONTROL AND REVEGETATION	1	1	LS		\$1,200.00	\$1,200.00	
SITE SUB TOTAL:							\$20,835.00	(\$240.00)
SITE:	TROUT GULCH RD. P.M. 1.85							
1	TRAFFIC CONTROL SYSTEM	1	1	LS		\$2,000.00	\$2,000.00	
2	CLEARING AND GRUBBING	1	1	LS		\$1,500.00	\$1,500.00	
3	OVERSIDE DRAIN WITH TAPERED INLET	1	1	EA.		\$1,000.00	\$1,000.00	
4	ENGINEERED FILL	80	80	TON		\$50.00	\$4,000.00	
5	ASPHALT CONCRETE (TYPE B)	6	6	TON		\$250.00	\$1,500.00	
6	ASPHALT CONCRETE DIKE (TYPE A)	60	60	LF		\$10.00	\$600.00	
7	ROCK SLOPE PROTECTION (1/2 TON)	70	70	TON		\$75.00	\$5,250.00	
SITE SUB TOTAL:							\$15,850.00	
SITE:	TROUT GULCH RD. P.M. 2.40							
1	TRAFFIC CONTROL SYSTEM	1	1	LS		\$1,500.00	\$1,500.00	
2	CLEARING AND GRUBBING	1	1	LS		\$1,250.00	\$1,250.00	
3	ASPHALT CONCRETE (TYPE B)	8	8	TON		\$200.00	\$1,600.00	
4	ENGINEERED FILL	35	35	TON		\$100.00	\$3,500.00	
5	ROCK SLOPE PROTECTION (1/4 TON)	100	104.60	TON	4.60	\$75.00	\$7,845.00	\$345.00
SITE SUB TOTAL:							\$15,695.00	\$345.00
SITE:	TROUT GULCH RD. P.M. 2.97							
1	TRAFFIC CONTROL SYSTEM	1	1.00	LS		\$1,500.00	\$1,500.00	
2	CLEARING AND GRUBBING	1	1.00	LS		\$1,000.00	\$1,000.00	
3	AGGREGATE BASE (CLASS 2)	20	23.52	TON	3.52	\$100.00	\$2,352.00	\$352.00
4	ASPHALT CONCRETE (TYPE B)	2	2.00	TON		\$500.00	\$1,000.00	
5	ROCK SLOPE PROTECTION (1/4 TON)	55	55.00	TON		\$75.00	\$4,125.00	
SITE SUB TOTAL:							\$9,977.00	\$352.00
SITE:	TROUT GULCH RD. P.M. 3.10							
1	TRAFFIC CONTROL SYSTEM	1	1	LS		\$3,500.00	\$3,500.00	
2	CLEARING AND GRUBBING	1	1	LS		\$2,500.00	\$2,500.00	
3	EARTH WORK (F)	30	30	CY		\$100.00	\$3,000.00	
4	OVERSIDE DRAIN WITH TAPERED INLET	1	1	EA.		\$	\$1,000.00	
5	AGGREGATE BASE (CLASS 2)	90	90.94	TON	0.94	\$60.00	\$5,456.40	\$56.40
6	ASPHALT CONCRETE (TYPE B)	18	18	TON		\$100.00	\$1,800.00	
7	ASPHALT CONCRETE DIKE (TYPE A)	75	85	LF	10	\$10.00	\$850.00	\$100.00
8	ROCK SLOPE PROTECTION (1/2 TON)	160	200	TON	40	\$75.00	\$15,000.00	\$3,000.00
SITE SUB TOTAL:							\$33,106.40	\$3,156.40
TOTAL (ALL 16 SITES):							\$713,478.12	\$39,283.87

SUMMARY
CORRECTED ORIGINAL BID: \$691,943.00
CHANGES: \$21,535.12
FINAL COST: \$713,478.12