

SAN MATEO COUNTY

Environmental Services Agency

Date: May 14, 2001

Hearing Date: May 22, 2001

To: The Honorable Board of Supervisors

From: Marica Raines, Director Environmental Services *MR*

Subject: **ADOPT A RESOLUTION APPROVING THE TERMS AND CONDITIONS OF A GRANT AGREEMENT IN THE AMOUNT OF \$102,373 AND AUTHORIZING EXECUTION OF THE GRANT AGREEMENT WITH THE CALIFORNIA DEPARTMENT OF FISH AND GAME FOR THE OLD HAUL ROAD DRAINAGE IMPROVEMENT PROJECT #2 WITHIN PESCADERO PARK**

RECOMMENDATIONS

- 1. Adopt a resolution approving the terms and conditions of a grant agreement in the amount of \$102,373, and authorizing execution of the grant agreement with the California Department of Fish and Game for *Old Haul Road Drainage Improvement Project #2*.
- 2. Authorize the Director of Environmental Services Agency to execute any other documents, including the Nondiscrimination Compliance Statement and the Drug-Free Workplace Certification forms, required by and for the grant

BACKGROUND

In late January 2001, the Department of Fish and Game announced that San Mateo County had received \$102,373 in grant funds for project applications made to the Fishery Restoration Grant Program for a streambed sediment reduction project. The project will improve drainage on 5.7 miles of Old Haul Road within Pescadero Park by regrading the road, placement of six inches of compacted rocks, and the addition of forty-seven culverts and energy dissipaters.

To receive the funds, County Parks is required to submit a signed contract, a resolution from the governing board (San Mateo County Board of Supervisors), and completed "Drug-Free Workplace Certification" and "Nondiscrimination Compliance Statement" forms.

DISCUSSION

The purpose of the project is to reduce sedimentation in tributary streams and the main channel of Pescadero Creek by controlling runoff from road surfaces and reducing erosion of logging era improvements. This will be accomplished by improving drainage with the installed additional relief culverts, removing and replacing undersized culverts with larger ones, replacing

deteriorated wooden box culverts and installing outfall energy dissipaters and riprap headwalls. The project will also include laying and compacting 6 inches of rock on the surface of Old Haul Road. The project is expected to benefit Coho salmon and Steelhead trout that use Pescadero Creek and the accompanying tributaries.

Protection and restoration of salmonid bearing streams relies upon reduction of erosion sediment. Some of this sediment comes from unstable, adjacent hillsides, roads and trails. As a result, recovery of Coho and Steelhead is directly dependent upon assessing these sediment sources and developing and implementing a plan to reduce such sediment. This project would reduce road rock and surface dirt loss caused by undersized or collapsed culverts, insufficient ditch volume, rutting, washouts and water sheeting.

FISCAL IMPACT

The agreement requires local matching funds or in-kind services sufficient to complete the project but in an amount not to exceed \$53,950. The County will be contributing in-kind services rather than matching funds, therefore there will not be a significant impact on the County Parks budget.

REVIEW BY OTHERS

The San Mateo County Parks and Recreation Commission has reviewed this request and recommends approval by the Board of Supervisors.

The County Counsel's office has reviewed the resolution and finds it in order.

RESOLUTION APPROVING THE TERMS AND CONDITIONS OF A GRANT AGREEMENT IN THE AMOUNT OF \$102,373 AND AUTHORIZING THE DIRECTOR OF ENVIRONMENTAL SERVICES AGENCY TO EXECUTE A GRANT AGREEMENT WITH THE CALIFORNIA DEPARTMENT OF FISH AND GAME FOR *OLD HAUL ROAD DRAINAGE IMPROVEMENT PROJECT #2* WITHIN PESCADERO PARK, AND AUTHORIZING THE DIRECTOR OF ENVIRONMENTAL SERVICES AGENCY TO EXECUTE AND SUBMIT ANY OTHER SUBSEQUENT DOCUMENTS RELATED TO THIS GRANT AGREEMENT

RESOLVED, by the Board of Supervisors of the County of San Mateo, State of California, that:

WHEREAS, the California Department of Fish and Game has approved a grant in the amount of \$102,373 for *Old Haul Road Drainage Improvement Project #2* within Pescadero park;

WHEREAS, the California Department of Fish and Game administers the Fisheries Restoration Grant Program within the State, setting up necessary procedures governing the administration of funds under the program;

WHEREAS, said procedures established by the California Department of Fish and Game require the grant recipient to certify by resolution authorization of the execution of the grant agreement and approval of its terms and conditions before submission of said agreement to the State, and

NOW, THEREFORE, IT IS HEREBY DETERMINED AND ORDERED, that the San Mateo County Board of Supervisors by adoption of this resolution hereby approves the terms and conditions of the grant agreement in the amount of \$102,373 for *Old Haul Road Drainage Improvement Project #2* within Pescadero park and authorizes the execution of the grant agreement with the California Department of Fish and Game; and

IT IS FURTHER ORDERED, that the Director of Environmental Services Agency is authorized to execute and submit any other documents that may be necessary for the completion of the aforementioned project for and on behalf of the County of San Mateo.

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF FISH AND GAME

Pursuant to Fish and Game Code Section §1501.5 (b), this grant process disburses funds for restoration projects approved by the Director of the Department of Fish and Game. This Grant Award is subject to the following conditions.

1. This Grant Agreement is made to County of San Mateo Parks and Recreation Department, hereinafter called the "Grantee," and by the California Department of Fish and Game, hereinafter called the "Grantor."
2. The Grantee agrees to provide all labor, materials, tools, permits, and incidentals necessary to complete Old Haul Road Drainage Improvement Project #2, in accordance with Exhibit A, which is attached and made a part of this agreement by this reference.
3. This Grant Agreement shall be effective from May 1, 2001 through March 31, 2003. The Grantee should be aware that time is of the essence and the Grantor expects work will be completed during the first available field season. If the Grantee does not expect to complete the terms and conditions detailed in the Statement of Work during the first available field season, the Grantee must submit a project time line, in writing, to the Grantor's Contract Manager for approval.
4. This Grant Agreement shall not exceed \$ 102,373.00, including all taxes, licenses and fees in accordance with the budget detail outlined in Exhibit B, which is attached and made a part of this agreement by this reference.
5. The budget in Exhibit B is an estimate of the Grantee's project costs. If required by actual costs, the Grantor may approve and reimburse expenditures in any of the budgeted categories in excess of the estimated costs provided there are offsetting, decreased expenditures in any other budgeted categories. Such requests for budget category changes must be made in writing to the Grantor's Project Manager. Any cumulative budget category shift in excess of 10% will require a formal amendment hereto.
6. The Grantor's Project Manager is: Marty Gmngas, 20 Lower Ragsdale Drive, Suite 100, Monterey, CA 93940, (831) 649-2885.
7. The Grantee's Project Manager is: John Kenney, 455 County Center, Fourth Floor, Redwood City, CA 94063, (650) 879-0601.
8. Prior to any work undertaken under this agreement and any disbursement of funds, the Grantee shall comply with all applicable requirements of the California Environmental

- 2 -

Quality Act (California Public Resources Code Sections §21000-21177).

9. This Grant Agreement does not constitute approval of the project or of any specific project features for purposes of compliance with any state or federal environmental law, including but not limited to the California Environmental Quality Act. Independent review and recommendation will be provided by the Grantor as appropriate on those projects where local, state, or federal permits or other environmental compliance is required.
10. It will be the responsibility of the Grantee to obtain all permits and make all arrangements necessary for its performance hereunder. Written permission must be obtained from landowner(s) for access to perform grant work.
11. No equipment will be purchased with funds provided by the Grantor under this agreement. The Grantor does not have responsibility for loss or damage to rented equipment arising from causes beyond the control of the Grantor. The Grantor's responsibility for repairs and liability for damage or loss is restricted to that made necessary by or resulting from the negligent act or omission of the Grantor or its officers, employees, or agents.

For the purpose of this Grant Agreement, "equipment" shall be defined as all moveable articles of nonexpendable personal property which have: (1) a normal useful life, including extended life due to repairs of four (4) years or more; (2) an identity which does not change with use, i.e., is not consumed by use or converted by fabrication into some other form of property; and (3) a unit cost of \$500.00 or more.

12. The Grantor's Project Manager may require the Grantee to submit progress reports and/or coordinate with Grantor personnel as often as deemed necessary, but not more often than once a month.
13. Upon completion of the project, the Grantee shall submit a written report which contains: (1) the grant agreement number, (2) location of work - show project location using U.S.G.S. 7.5 minute topographical map or appropriately scaled topographical map, (3) specific project access using public and private roads and trails, and landowner name and address should be included, (4) a description and analysis of the restoration and planning techniques used, (5) a description of the results of the project, (6) dates of work and the number of person hours expended, (7) labeled before and after photographs of any restoration activities and techniques, and (8) Grant dollars spent and contributed and/or in-kind services used to complete the project.
14. Grant disbursements will be made to the Grantee in arrears, upon receipt by the Grantor of an itemized invoice showing the time period covered and the work items accomplished. Invoices may not be submitted more frequently than monthly, in arrears, and must be submitted with the name and address of the Grantee, and must contain the signature and title of the person submitting the invoice.

- 3 -

15. The Grantee must provide supporting documentation for the invoice and actual receipts upon request of the Grantors project manager. The invoice shall contain the Grant Agreement number, P0030415, and shall be submitted to the attention of the Grantor s Project Manager. In addition, a single copy of the invoice must be sent to the Agreement Coordinator at: Department of Fish and Game, Attn: Javier Gloria, P.O. Box 47, Yountville, CA 94599.
16. Each invoice for payment must be accompanied by a written description, not to exceed one page in length, of the Grantee's performance under this agreement since the time the previous such report was prepared. The report shall describe the types of activities and specific accomplishments during the period for which the payment is being made rather than merely listing the number of hours worked during the reporting period.
17. Grantor shall withhold 10% from each and every payment pending fulfillment of the Grantee's obligations herein. Upon completion of the Grantee's obligations, the Grantee must invoice for the payment retention.
18. Any disputes concerning the project or the Grant Agreement shall be resolved by the Project Managers of the Grantor and Grantee. In the event the dispute cannot be resolved by the Project Managers, the dispute shall be referred to the Director of the Department of Fish and Game, whose decision will be final.
19. The Grantee shall maintain complete and accurate records of its actual project costs and shall retain said records throughout the term of the Grant Agreement and for a period of three (3) years after receipt of final payment. During such time, said records shall be made available to the State of California, or their designated representative, for audit purposes during normal business hours. Expenditures not documented, and expenditures not allowed under the Grant Agreement or otherwise authorized by the Grantor shall be borne by the Grantee. The audit shall be confined to those matters connected with the Grant Agreement, including but not limited to, the administration and overhead costs.
20. All subcontracts will be made in a manner to provide, to the maximum extent practicable, open and free competition. In order to ensure objective subcontract performance and eliminate unfair competitive advantage, subcontractors that develop or draft work requirements, statements of work, or requests for proposals shall be excluded from competing for such subcontracts.
21. All subcontracts are subject to Executive Order 12549, "Debarment and Suspension" and Department of Commerce implementing regulations published at 15 CFR Part 26, Subparts A through E, "Governmentwide Debarment and Suspension (Nonprocurement)" for a drugfree work place. See the web site at the following address:
<http://www.access.gpo.gov/nara/cfr/cfr-retrieve.html> - page 1
22. The Grantee and any subcontractors shall permit the Grantor to review and inspect project

- 4 -

activities at all reasonable times during the performance period of this Grant Agreement, including review and inspection on a daily basis.

23. The project specifications subject to this Grant Agreement may only be amended in writing by mutual agreement of the Grantor and Grantee.
24. The Grantor may terminate the Grant Agreement upon giving thirty (30) days written notice to the Grantee. In case of early termination, a final payment will be made to the Grantee upon receipt of an invoice covering costs incurred up to notice of termination, based on the portion of work completed.
25. To ensure payment and allow for an adequate amount of time to process the payment(s) and close the appropriation, all invoices for work performed and charged against this grant must be received and approved by the Grantor's Project Manager no later than April 15, 2003.
26. All Grantees and subcontractors exceeding \$100,000 are subject to Section 1352, Title 31 of the U.S. Code and implemented at 15 CFR Part 28. See the web site at the following address [http //www4 law cornell edu/uscode/31/1352 html](http://www4.law.cornell.edu/uscode/31/1352.html)

GRANTOR - State of California

GRANTEE

Department of Fish and Game

County of San Mateo Parks and Recreation
Department

Michael F. Harris

Printed Name of Person Signing

Printed Name and Title of Person Signing

Signature (Authorized)

Signature (Authorized)

Deputy Director, Administration

455 County Center, Fourth Floor, Redwood City, CA 94063

Title

Address

Date: _____

Date: _____

Amount Encumbered by the Grant Document \$ 102,373.00	Program (Code and Title) Support/Clearing Acct. 99	Fund Title Preservation		Taxpayer's Fed ID Number 94-6000532
Prior Amount Encumbered For This Grant Document \$	Optional Use			
Total Encumbered by this Grant \$ 102,373.00	Item 3600-001-200-99	Chapter 52	Statute 2000	Fiscal Year 00/01
Index H300	Object Code 418	PCA Code A2951		Activity Code 121319
I hereby certify upon my own personal knowledge that budgeted funds are available for the period and purpose of the expenditure stated above		T.B.A. No		B R. No
Signature of Accounting Officer				Date

- 6 -

EXHIBIT A
STATEMENT OF WORK

Under direction of the Grantor, and under the following conditions and terms, the Grantee will:

1. Install culverts in the locations described and with the materials listed in Exhibit C, which is attached and made a part of this agreement by this reference.
2. Incorporate a compacted base-rock trench cap into each culvert installation.
3. Incorporate culvert headwalls and culvert-outfall energy-dissipating aprons, as described in Exhibit D which is attached and made a part of this agreement by this reference, into each culvert installation.
4. Modify the inside ditch associated with each culvert installed as part of this agreement, as necessary to reduce erosion and erosion risk.
5. Install trash racks upstream of each culvert installed as part of this agreement.
6. Perform all work in a manner consistent with pertinent guidelines published in the CDFG *California Salmonid Stream Habitat Restoration Manual* (CDFG, 1998) and *Handbook for Forest and Ranch Roads* (Mendocino County Resource Conservation District, 1994).
7. The Grantee will acknowledge the participation of the Department of Fish and Game, California Coastal Salmon Recovery Program funds on any signs, flyers, or other types of written communication or notice to advertise or explain the Old Haul Road Drainage Improvement Project #2.

- 7 -

EXHIBIT B
ESTIMATED BUDGET

The Grantee will provide up to \$ 53,950.00 in funds or in-kind services to complete tasks described in Exhibit A, Statement of Work. The Grantor will provide an amount not to exceed \$ 102,373.00 as shown below in this Estimated Budget. Accurate records on in-kind funds or services will be made available to the Grantor upon request at any time during the term of this agreement.

OPERATING EXPENSES

Backhoe rental	(620 hours @ \$59.54/hour)	\$36,915.00
Water truck rental	(620 hours @ \$32.48/hour)	20,138.00
Compactor rental	(620 hours @ \$17.32/hour)	10,738.00
18" HDPE Culvert	(1230 feet @ \$9.06/foot)	11,144.00
24' HDPE Culvert	(220 feet @ \$13.93/foot)	3,065.00
36' HDPE Culvert	(120 feet @ \$24.56/foot)	2,947.00
Coupler, 18" HDPE Culvert		137.00
Coupler, 36' HDPE Culvert		391.00
Concrete, 80 lb. Sack	(1644 @ \$7.31/each)	12,018.00
Reinforcing bar, #4-40		431.00
Drive stake, 6 ft.		904.00
Gabion basket	(50 @ \$35.70/each)	1,785.00
Gabion rock	(47.1 tons @ \$13.53/ton)	637.00
Filter fabric		66.00
3/4' rock	(148 tons @ \$7.14/ton)	1,057.00
TOTAL OPERATING EXPENSES		102,373.00
<u>SUBTOTAL</u>		102,373.00
<u>TOTAL ESTIMATED BUDGET</u>		\$102,373.00

Catalog		Location				Material and Size			Recommendations	Project Cost
Culvert Number	Geographic Location Number	Distance From Southern Boundary in Feet	Distance from Previous Culvert/Feature in Feet	Distance From Southern Boundary in Miles	Geographic Location / Comments	Type of Culvert	Diameter Section Area in Inches	Length in Feet	Mitigation / Repair	Estimated Unit Cost
HR 1		235	0	0.04		Proposed	24"	80'	Install HDPE culvert & R O	\$6,655.61
HR 2		483	248	0.09		Proposed	24"	60'	Install HDPE culvert & R O	\$6,377.01
HR 3		778	778	0.15		Proposed	18"	40'	Install new 18" HDPE Culvert	\$5,820.47
HR 4		1243	465	0.24		Wood Box	16"x12"	36'	Replace with 18" HDPE Culvert	\$5,820.47
HR 5		1617	374	0.31		CMP	24"	35'		
	GL-1	1851	234	0.35	Portola St. Park Trail Intersection					
	GL-2	1850	135	0.30	Iverson Creek					
HR 6		2605	615	0.49		Wood Box	16"x12'	30'	Replace with 18" HDPE Culvert	\$5,190.37
	US 1B	2942	337	0.56	Begin Road Slump				Reroute road inland	
HR 7		3055	113	0.56	Seepage Drain	CMP	24"	18'		
	US 1E	3202	147	0.61	End Road Slump				Reroute road inland	
HR 8		3281	79	0.62		Wood Box	16"x12"	34'	Replace with 18" HDPE Culvert	\$5,190.37
HR 9		3564	283	0.68		Proposed	18"	30'	Install new 18" HDPE Culvert	\$4,483.36
	GL-3	4016	532	0.70	Fall Creek					
HR 10		4226	130	0.80		CMP	18"	38'		
	RRC 1B	4623	397	0.88	Begin Railroad Cut					
	RRC 1E	5091	468	0.96	End Railroad Cut					
HR 11		5224	133	0.99		Proposed	18"	40'	Install new 18" HDPE Culvert	\$5,190.37
HR 12		5989	765	1.13		Proposed	18"	40'	Install new 18" HDPE Culvert	\$5,190.37
HR 13		6089	100	1.15		Proposed	18"	40'	Install new 18" HDPE Culvert	\$5,190.37
	GL-4	6111	23	1.16	Slope Pipe Creek					
HR 14		6576	458	1.25		Proposed	18"	40'	Install new 18" HDPE Culvert	\$5,190.37
HR 15		6794	218	1.29	Deep Installation Required	Proposed	18"	40'	Install new 18" HDPE Culvert	\$5,190.37
	RRC 1B	6937	143	1.31	Begin Railroad Cut					
	RRC 1E	7227	290	1.37	End Railroad Cut					
	GL-5	7227	0	1.37	Dutano Loop Trail S/E					
	GL-6	7445	211	1.41	Hooker Creek					
HR 16		7541	96	1.43		Wood Box	16' x 12'	30'	Replace with 18" HDPE Culvert	\$4,469.67
	GL-7	7711	177	1.46	Bridge Trail Intersection					
HR 17		8272	554	1.57		CMP	16"	28'	Replace with 18" HDPE Culvert	\$4,392.76
HR 18		8666	394	1.64		Proposed	18"	30'	Install new 18" HDPE Culvert	\$5,190.37
HR 19		9218	552	1.75		CMP	16"	28'	Replace with 18" HDPE Culvert	\$4,392.76
	GL-8	9749	531	1.85	Snag Trail Intersection					
HR 20		9983	214	1.89	Seasonal Creek Crossing	CMP	30"	50'		
HR 21		10426	463	1.97		Proposed	18"	36'	Install new 18" HDPE Culvert	\$5,190.37
HR 22		10772	346	2.04		Proposed	18"	40'	Install new 18" HDPE Culvert	\$5,190.37
HR 23		12050	1278	2.26		Wood Box	18' x 10"	26'	Replace with 18" HDPE Culvert	\$4,392.76

EXHIBIT C
Old Haul Road Drainage Improvement Project #2
Page 1

Records with positive value in 'Estimated Unit Cost' field will be installed as part of Old Haul Road Drainage Improvement Project #2

-8-

P0030415

Catalog		Location			Material and Size			Recommendations	Project Cost	
Culvert Number	Geographic Location Number	Distance From Southern Boundary In Feet	Distance from Previous Culvert/Feature In Feet	Distance From Southern Boundary In Miles	Geographic Location / Comments	Type of Culvert	Diameter Section Area In Inches	Length in Feet	Mitigation / Repair	Estimated Unit Cost
HR 24		12287	237	2.33		CMP	24	20		
	GL-9	12335	11	2.34	Rhododendron Creek					
HR 25		12868	533	2.44		Proposed	18	36	Install new 18" HDPE Culvert	\$5,190.37
HR 26		13279	411	2.51		CMP	18	36		
	RRC 3B	13315	36	2.52	Begin Railroad Cut					
	RRC-3E	13578	263	2.57	End Railroad Cut					
HR 27		13578	0	2.57		Proposed	18"	40	Install new 18" HDPE Culvert	\$5,190.37
HR 28		13788	210	2.61	Seasonal Drainage Crossing	CMP	30	60		
HR 29		14464	676	2.74		CMP	16	38		
	GL-10	14906	442	2.82	Seasonal Drainage Crossing					
HR 30		15466	560	2.93		Proposed	18	26	Install new 18" HDPE Culvert	\$4,469.67
HR 31		16064	598	3.04		Proposed	18	26	Install new 18" HDPE Culvert	\$4,392.76
	GL-11	16237	173	3.07	2" Stand Pipe					
HR 32		16363	126	3.10		Wood Box	18 x12'	26	Replace with 18" HDPE Culvert	\$4,560.27
	GL-12	16455	130	3.12	Keyston Creek					
HR 33		16638	145	3.15		Proposed	18"	40	Install new 18" HDPE Culvert	\$4,560.27
HR 34		16966	328	3.21		Proposed	18	30	Install new 18" HDPE Culvert	\$4,392.76
HR 35		17424	458	3.30		Wood Box	20'x20'	26	Install new 24" HDPE Culvert	\$6,098.41
HR 36		17747	323	3.36		Proposed	18	30	Install new 18" HDPE Culvert	\$5,190.37
	GL-13	18311	514	3.48	Carriger Creek					
HR 37		18802	441	3.56		CMP	18	50		
HR 38		18882	80	3.58		Wood Box	UNKN	42	Replace with 18" HDPE Culvert	\$5,204.06
HR 39		19031	149	3.60		CMP	16	20		
HR-40		19560	529	3.70		Proposed	18	40	Install new 18" HDPE Culvert	\$5,190.37
HR-41		19782	222	3.75		CMP	24	38		
	GL-14	20157	375	3.82	Dark Gulch					
	GL-15	20293	136	3.84	Utah Ridge Loop Trail NW					
	GL-16	20283	0	3.84	Shaw Flat Trail Intersection					
HR 42		20713	420	3.92		CMP	16	36		
HR 43		20979	266	3.97		Wood Box	UNKN	26	Replace with 18" HDPE Culvert	\$4,392.76
HR 44		21118	139	4.00		CMP	16	26		
HR 45		21587	449	4.08	Seasonal Drainage Crossing	CMP	30	50		
	GL-17	21899	432	4.17	Harwood Creek				Falling Creek Crossing	
HR 46		22452	453	4.25		Proposed	18	26	Install new 18" HDPE Culvert	\$4,469.67
HR 47		22695	243	4.30		CMP	18	60		
	GL-18	22695	0	4.30	Towne Fire Rd. Intersection					
HR 48		22908	213	4.34		CMP	16	20	Replace with 18" HDPE Culvert	\$5,009.17

EXHIBIT C

Old Haul Road Drainage Improvement Project #2

Records with positive value in "Estimated Unit Cost" field will be installed as part of Old Haul Road Drainage Improvement Project #2

Catalog		Location			Material and Size			Recommendations	Project Cost	
Culvert Number	Geographic Location Number	Distance From Southern Boundary In Feet	Distance from Previous Culvert/Feature In Feet	Distance From Southern Boundary In Miles	Geographic Location / Comments	Type of Culvert	Diameter Section Area In Inches	Length in Feet	Mitigation / Repair	Estimated Unit Cost
HR 49		23695	787	4.49		CMP	12	18	Replace with 18" HDPE Culvert	\$4,379.07
HR 50		24752	1057	4.69		CMP	16	18	Replace with 18" HDPE Culvert	\$4,379.07
HR 51		25092	340	4.75		CMP	12	30	Replace with 18" HDPE Culvert	\$4,392.76
HR 52		25158	66	4.76		CMP	16	15	Replace with 18" HDPE Culvert	\$3,748.97
	GL-19	25223	65	4.76	Scholarly Creek					
HR 53		25679	456	4.86	No survey stake	CMP	12	28	Replace with 18" HDPE Culvert	\$4,469.67
HR 54		26070	391	4.94		CMP	18	40	Replace with 24" HDPE Culvert	\$6,098.41
	GL-20	26070	0	4.94	Pomponio Trail Intersection					
	GL-21	26247	177	4.97	Piney Creek					
HR 55		26247	0	4.97		CMP	18	16		
	GL-22	27000	763	5.11	Baptist Camp Park Gate					
	GL-23	27062	52	5.12	Stand Pipe					
HR 56		27249	197	5.16		CMP	12	18	Replace with 18" HDPE Culvert	\$3,748.97
HR 57		27430	181	5.20		Proposed	18"	20	Install new 18" HDPE Culvert	\$3,748.97
HR 58		27726	296	5.25		HDPE	12	16	Replace with 18" HDPE Culvert	\$3,748.97
HR 59		27900	174	5.28	Combines gully wash + rd runoff	CMP	20	45	Replace with 36" HDPE Culvert	\$7,866.52
HR 60		28050	150	5.31		CMP	16	18	Replace with 18" HDPE Culvert	\$3,748.97
HR 61		28402	382	5.38		Proposed	18	26	Install new HDPE Culvert	\$4,392.76
HR 62		28703	301	5.44		Proposed	36	60	Install new 36" HDPE Culvert	\$7,136.54
HR 63		28830	127	5.46		CMP	16	18		
HR 64		29048	218	5.50		CMP	16	18	Replace with 36" HDPE Culvert	\$4,993.82
HR 65		29200	152	5.53		CMP	18	16		
HR 66		29469	269	5.58		CMP	12	16		
	GL-24	29117		5.56	Hotman Creek					
										\$233,873.32

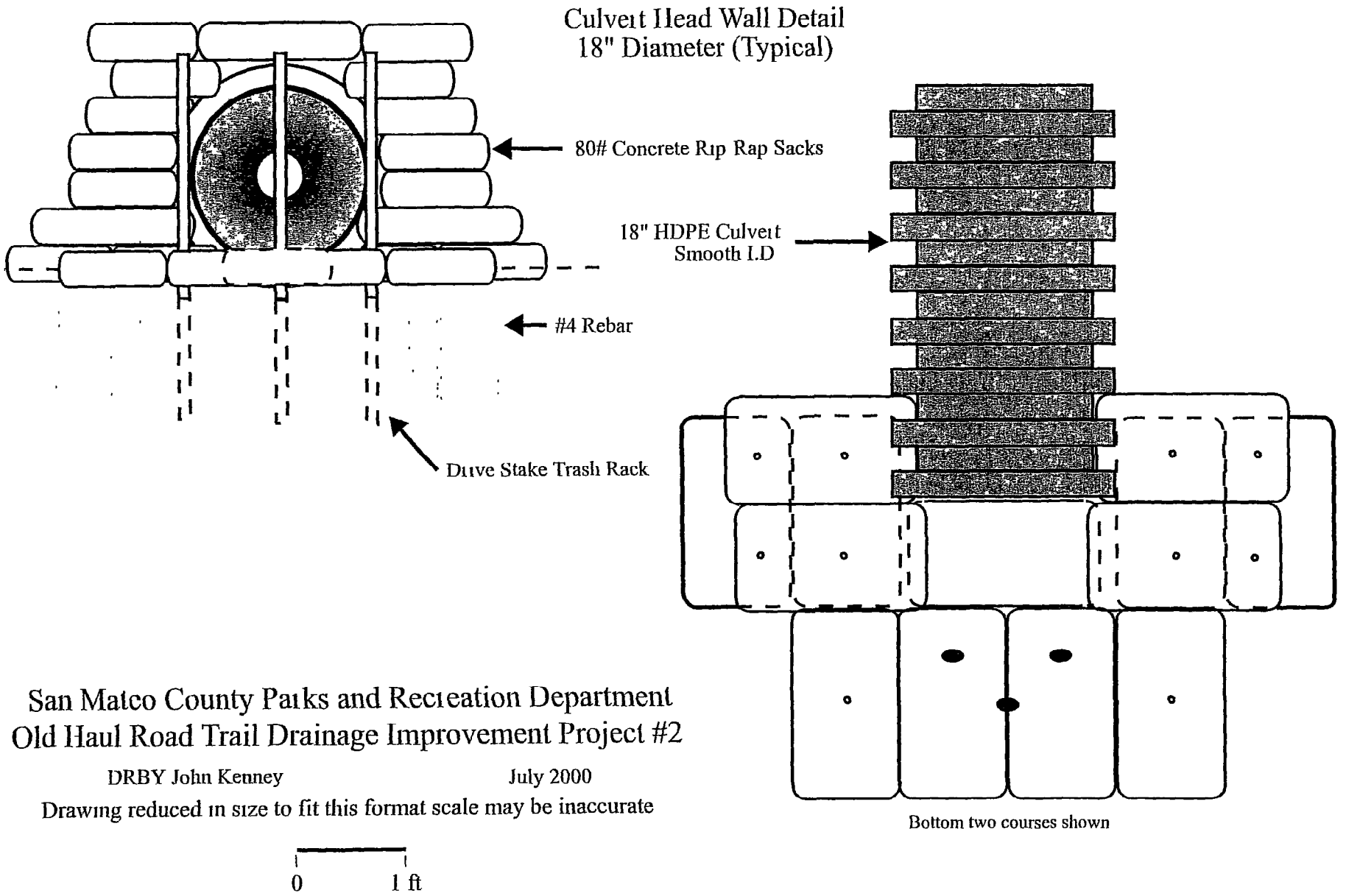
GL Geographical location CMP Corrugated Metal Pipe Wood Box Original Redwood Culverts
 HDPE High Density Polyethylene Culvert RRC Railroad Cut US Unstable Slope

-10-

P0030415

EXHIBIT C
Old Haul Road Drainage Improvement Project #2
Page 3

Records with positive value in "Estimated Unit Cost" field will be installed as part of Old Haul Road Drainage Improvement Project #2



San Matco County Parks and Recreation Department
Old Haul Road Trail Drainage Improvement Project #2

DRBY John Kenney

July 2000

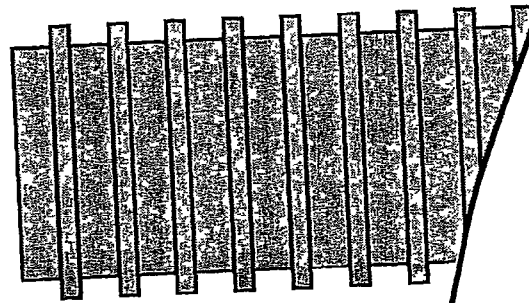
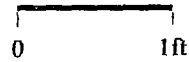
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San Mateo County Parks and Recreation Department
Old Haul Road Drainage Improvement Project #2
Culvert Energy Dissipater Outfall Apron

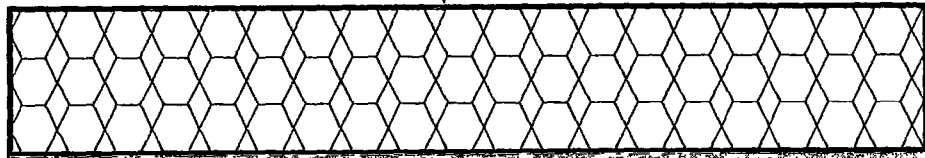
DRBY John Kenney

July 2000

Drawing reduced in size to fit this format, scale may be inaccurate



Gabion Basket 6' x 3' x 1'
8" 3" Rock Fill (0.66 cu yds)



Mirafi 140 NC Filter Fabric
liner to prevent scour

Notes

- 1 On slopes greater than 5% rebar anchor stakes will be used to retain basket
- 2 36" diameter culvert requires two baskets to increase width of dissipater
- 3 On slopes greater than 5% two or more baskets will be used to increase length of dissipater

NONDISCRIMINATION COMPLIANCE STATEMENT

STD. 19 (REV 3-95)

COMPANY NAME

County of San Mateo Parks and Recreation Department

The company named above (hereinafter referred to as "prospective contractor") hereby certifies, unless specifically exempted, compliance with Government Code Section 12990 (a-f) and California Code of Regulations, Title 2, Division 4, Chapter 5 in matters relating to reporting requirements and the development, implementation and maintenance of a Nondiscrimination Program. Prospective contractor agrees not to unlawfully discriminate, harass or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), medical condition (cancer), age (over 40), marital status, denial of family care leave and denial of pregnancy disability leave.

CERTIFICATION

I, the official named below, hereby swear that I am duly authorized to legally bind the prospective contractor to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California.

OFFICIAL'S NAME

DATE EXECUTED

EXECUTED IN THE COUNTY OF

PROSPECTIVE CONTRACTOR'S SIGNATURE

PROSPECTIVE CONTRACTOR'S TITLE

PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME