

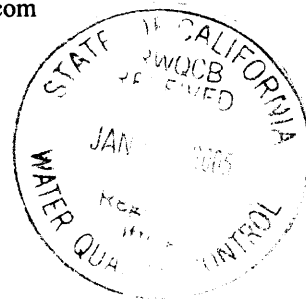
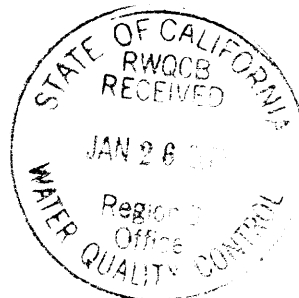


P A R K S & R E C R E A T I O N D E P A R T M E N T

323 Church Street, Santa Cruz, California 95060
831-420-5270 • Fax 831-420-5271 • www.santacruzparksandrec.com

January 24, 2005

Roger W. Briggs, Executive Officer
California Regional Water Quality Control Board
Central Coast Region
895 Aerovista Place, Suite 101
San Luis Obispo CA 93401-7906



DELAVEAGA GOLF COURSE, SANTA CRUZ: WDID#3 44C3300064

Dear Mr. Briggs:

I received your letter of December 21, 2004 regarding the DeLaveaga Golf Course Project. The City of Santa Cruz will, of course, comply with your request for more information about the erosion and sediment control program at the golf course project. I am compelled to state, however, that I have been disappointed in the content and tone of the communication between our two agencies relating to this project.

The City of Santa Cruz has made every conceivable effort to be responsible stewards of the land at DeLaveaga Golf Course and has devoted considerable time and significant funds to ensure that the project is conducted in accordance with all permit conditions. And yet, the letter of December 21, 2004, signed by Chris Adair, mischaracterizes and exaggerates the problems with the sediment and erosion control observed on December 8, 2004 at the golf course.

Regional Board staff observed overwhelmed silt fences at Tee Complex 5 and other areas on that occasion. Five inches of rain fell that day following a series of previous rain storms. These sediment control methods are not guaranteed to hold under extreme weather conditions. The City has a maintenance crew at the golf course dedicated to the constant repair of silt fences and other erosion control measures. This crew was working during the inspection and accomplished the repair of the silt fencing. This was not noted in your letter.

At Tee Complex 5 there were secondary silt fences that were not overwhelmed by rain water. Sedimentation did not extend down into the canyon or into the storm water system. The secondary silt fencing held the runoff from the breach in the first fence. The inspector did not inspect the condition of the secondary silt fencing to determine if the sedimentation had extended into the canyon. Had she done so, she would have verified that very little sediment extended into the canyon and that the majority of sediment was contained on the project site.

All the breaches of the silt fencing were repaired. Of 18 tee complexes, this was the only one experiencing any breach of the sediment control methods. Overall, the project has in place very effective BMP's, which have been well maintained throughout the construction period.

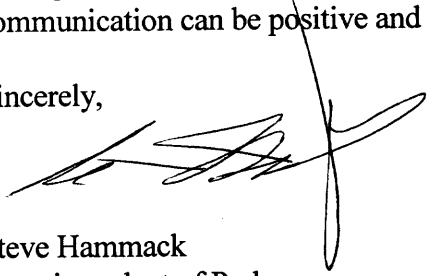
Roger W. Briggs
January 24, 2005
Page 2 of 2

In your letter of December 21, 2004, the Regional Board staff acknowledged that it did not conduct a thorough review of the site on December 8, 2004. Had such a thorough review been conducted, it would have discovered that sediment was contained on the entire project site and was not allowed to drain into the surface water system. Further, if a more complete review had been accomplished, Regional Board Staff would have taken the time to review the inspection records available in the Golf Course Superintendent's office.

The City of Santa Cruz acknowledges that, under these very difficult weather conditions, having more erosion control measures in place would have been beneficial. No constructive suggestions regarding new or useful erosion control measures have been offered by the Regional Board staff, but I attach a detailed itemization of corrective actions the City has undertaken to implement the most effective BMP's for the project.

The City of Santa Cruz has always intended to work cooperatively with the Regional Water Quality Control Board and its staff to ensure the continued protection of our water quality. It is not necessary to resort to accusatory and punitive language before first taking advantage of our willingness to be a partner in attaining the goals of both of our agencies. I hope the spirit of our communication can be positive and constructive in the future.

Sincerely,



Steve Hammack
Superintendent of Parks

Attachments: Letter from California Regional Water Quality Control Board dated 12-21-04
Amended Map of DeLaveaga Golf Course Improvements Project
Amended Storm Water Pollution Prevention Plan, pages 5, 7, 8 and 17
Amended Notice of Intent
Corrective Action and Cleanup Efforts
DeLaveaga Golf Course Renovation Project Inspection Log
DeLaveaga Golf Course Renovation Project Monitoring and Reporting Log
Description of Submitted Photographs, 01-10-05

cc: Chris Adair
Kimberly Gonzalez
Regional Water Quality Control Board Members (7)
Richard Wilson, City Manager, City of Santa Cruz
Dannettee Shoemaker, Director of Parks and Recreation, City of Santa Cruz



California Regional Water Quality Control Board

Central Coast Region



Terry Tamminen
Secretary for
Environmental
Protection

Internet Address: <http://www.waterboards.ca.gov/centralcoast>
895 Aerovista Place, Suite 101, San Luis Obispo, California 93401-7906
Phone (805) 549-3147 • FAX (805) 543-0397

Arnold Schwarzenegger
Governor

December 21, 2004

Steve Hammack
City of Santa Cruz
Department of Parks and Recreation
323 Church Street
Santa Cruz, CA 95060-3811

NOTICE OF VIOLATION – DE LAVEAGA GOLF COURSE, SANTA CRUZ, SANTA CRUZ COUNTY; WDID# 3 44C330064

Mr. Hammack:

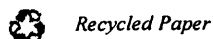
On December 8, 2004, Regional Water Quality Control Board (Regional Board) staff met with Mr. Miles Hicks (of the City of Santa Cruz) and inspected De LaVeaga Golf Course in Santa Cruz. Mr. Lee Bilberry (of Golf Course Builders, Inc.) was present for part of the inspection. The site was in violation of the statewide *National Pollutant Discharge Elimination System General Permit for Discharges of Storm Water Runoff Associated with Construction Activities* (Permit).

It was raining during the inspection, and Regional Board staff observed and photographed multiple discharges of sediment-laden water throughout the site, overwhelmed sediment controls, improperly installed sediment controls, and widespread erosion. There were no erosion controls implemented on site. The Permit requires an effective combination of erosion control and sediment control measures. Regional Board staff has serious concerns regarding onsite erosion and sediment discharges due to site conditions during inspection, observed sediment discharges, lack of erosion controls, and the site's proximity to Arana Gulch and Branceforte Creek.

Additionally, Regional Board staff observed an oily sheen in storm water runoff near the construction trailer and found two partly-filled 5-gallon gasoline tanks exposed in the rain and without secondary containment.

During the inspection, staff also noted Storm Water Pollution Prevention Plan (SWPPP) deficiencies, including no signed certification, no documented amendments, and no training information. Regional Board staff did not do a thorough review of the site's SWPPP to determine if there were additional deficiencies. Site inspection records were not available for staff to review; Mr. Hicks indicated he kept an inspection log at his office.

California Environmental Protection Agency



JAN 03 2005

You are required to submit the following information by **January 27, 2004**:

1. Corrective Action and Cleanup Efforts – A written report itemizing and describing corrective actions and cleanup efforts implemented since Regional Board staff's inspection. If possible, include site photographs or other evidence to substantiate your claims.
2. Inspection Records – Copies of storm water inspection records from construction commencement, through December 17, 2004. The submittal shall be organized chronologically by inspection date, pages shall be numbered, and a table of contents shall be included identifying dates and page numbers corresponding to each record.
3. Monitoring and Reporting Program – A copy of the site's monitoring and reporting program is required. The monitoring and reporting program should be in compliance with Permit requirements.
4. Storm Water Pollution Prevention Plan – A copy of the updated SWPPP and amendments, including a site map is required. The SWPPP should be amended to incorporate any new or additional best management practices that have been and will be implemented, the implementation schedule, and any additional monitoring. The site map should show the entire project area, identify areas of construction, and label the various areas of construction (such as by greens complex and tee numbers). Construction staging areas and construction stockpile areas should also be identified.

The above numbered items are required pursuant to Permit Section C, Standard Provision 7, "Duty to Provide Information," and are required to determine compliance.

California Water Code Section 13385 specifies the Regional Board can impose civil liability for Permit violations, in the amount of up to ten thousand dollars (\$10,000) for each day the violation occurs. The site should be in full compliance with the Permit to avoid additional liability.

If you have questions regarding this matter, please call Kimberly Gonzalez at (805) 549-3150.

Sincerely,



for
Roger W. Briggs
Executive Officer

Encl: December 8, 2004 Photos

cc: Miles Hicks, De LaVeaga Golf Course, 401 Upper Park Road, Santa Cruz, CA 95060
Scott Monn, Golf Course Builders International, 1109 North Palmetto Circle, Eustis, FL 32726

CKG\\S:\Storm Water\Construction\Santa Cruz Co\330064 De LaVeaga Golf\2004.12 Delaveaga NOV.doc
File: Storm Water - 3 44C330064
Task: Enforcement

California Environmental Protection Agency



Recycled Paper

Amendments Attached

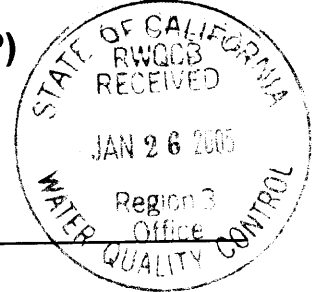
Revisions	Date

NOI Attached?

[] Yes
 No

Waste Discharge Identification Number: 344C330064

**Storm Water Pollution Prevention Plan (SWPPP)
 California Construction General Permit**



I. Project Information

1. Project Name: Delaveaga Golf Course Remodel and Improvements
- Project Location: Street Address (or equivalent): 401 Upper Park Road
 County: Sanata Cruz Zip Code: 95065
2. Project Owner: City of Santa Cruz
- Contact Person: Steve Hammack, Director of Parks and Recreation.
- Phone Number: (831) 420-5366
- Owner's Mailing: Street Address (or equivalent): 323 Church Street
 Address: City: Santa Cruz State: California Zip Code: 95060

Responsible Personnel:

- Implementing and revising the SWPPP: Miles Hicks, Golf Course Supt.
- Inspecting equipment: Miles Hicks
- Regular inspections of BMPs: Miles Hicks
- Training employees about BMPs affecting their job: Stephen Halsey, Landscape Architect

Contractors and Subcontractors responsible for implementing SWPPP for the Project:

Project Prime Contractor: Golf Course Builders Int'l

Contact Person: Lee Bilberry Phone Number: (360) 303-7770
 Mailing Address: Street Address (or equivalent): 1109 N. Palmetto Circle
 City: Eustas, Fla. County: _____ Zip Code 32727

Estimated Start Date: September 2004

Estimated End Date; Golf Course: April 2005

Subcontractors

Name	Contact Person	Date Work Begins	Date Work Ends
<i>Soltis Golf</i>	Barry Jones	9/04	4/05
Richards Const.	Richard Ruiz	9/04	4/05

II. PROJECT SITE

- A. Location and Vicinity Maps:** The following maps identify the Site Location Map (Figure 1) and the Vicinity Map provides an overview of the vicinity, including topography, within one-quarter mile of the site (Figure 2).
- B. Site Map (Figure 3):** Construction Documents and Specifications under separate cover, delineate the on-site topography, and locations of primary erosion and sediment controls of the construction project. The following controls are identified:
1. **Location of Control Practices:** Temporary control practices during construction include silt fences, sand bags & plastic covers, and straw wattles, etc.
 2. **Areas Used to Store Soils, Wastes and Materials:**

Waste Storage: The waste storage area is located within the Contractor storage area, away from waterways. Measures for housekeeping practices detailed herein. Contractor will cover each storage area at least 48 hours before rain.

Materials Storage: The Contractor's storage yard is located as shown on the plan and/or as approved by City of Santa Cruz.
 3. **Areas of Grading Cut & Fill:** The general areas of disturbance (site map Figure 3). At the end of the construction process, these areas will be landscaped by the Contractor as permanent erosion control.
 4. **Drainage Patterns and Slopes Anticipated after Grading Activities are Completed:** The existing drainage patterns within the site will not be materially changed, except for installation of sub-drainage system, Golf Course, Driving Range, and repaving the Parking Lot. The Parking Lot will have a catch basin and "Stormceptor" oil and grease trap catch basin, installed to control post-construction run-off.
 5. **Areas of Soil Disturbance:** Areas of soil disturbance are shown on the Site Map (Figure 3). These include excavation for the Barbecue area, Restrooms, Driving Range, and Restrooms. The Golf Course disturbance areas are individual isolated areas through out the golf course as shown on the Site Map.
 6. **Areas of Potential Soil Erosion Where Control Practices Will be Needed During Construction:** Throughout construction, all exposed soils will be stabilized, except where active construction is in progress. These areas include any exposed soil that is subject to erosion either by rainfall striking the ground, runoff flowing over the soil, wind blowing across the soil, and vehicles driving on the soil. Drainage tributaries abut the project site at various locations. Where they occur, soil stabilization practices required will include BMP's identified herein.
 7. **Existing and Planned Paved Areas and Buildings:** The project includes following:
 1. Two (2) new restrooms at 139 s.f. each (total 278 s.f.)
 2. Repaving Existing Parking Lot: 62,335 s.f.
 3. Replacement of existing cart paths with concrete paving 142,424.s.f.

4. ~~New barbeque area 7,989 s.f. (3,300 s.f. previously existing)~~
5. Three (3) remodeled Greens, and 18 remodeled Tees.
6. ~~Remodel of existing grass Driving Range.~~
7. ~~One (1) New Restroom/Concession Building at 300 s.f. replacing existing (+/- 300 s.f.) of a similar size.~~

These existing paved areas are shown on the Site Plan. The comparison of undisturbed vs. disturbed areas is as follows:

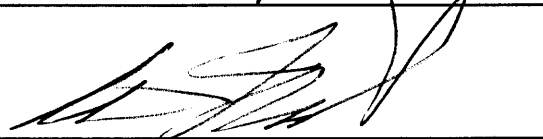
	Project Disturbance Area
Greens	3.17 acres
Cart Paths	3.27 acres
Tees	2.13 acres
Driving Range	3.34 acres
Parking Lot	1.43 acres
Barbecue area	.18 acres
TOTAL DISTURBED AREA	<u>13.5 ACRES</u> 10

8. **Locations of Post Construction Control Practices:** All permanent control measures to control pollutants in stormwater discharges are shown on Site Map and Construction Plans. These measures include landscape areas, sub-drainage systems and oil and grease trap catch basin, located in the Parking Lot.
9. **Vehicle and Equipment Storage and Service Areas:** The Vehicle and Construction Equipment Storage and Service Area shown on the Site Plan is located next to the 18th Green. The location meets the following criteria:
 - a. Minimize the risks associated with equipment leaks impacting receiving waters
 - b. Contain equipment wastes within a specific area
 - c. Allow for easy cleanup or servicing of equipment
 - d. Prevent run-on/run-off from passing through the area
10. **Areas of Existing Vegetation:** The total Eighteen Hole Golf Course (not including Building, Parking Lot, and Maintenance Building) equals approximately 106 acres of turf, with numerous trees lining and back dropping most holes.

XII. CERTIFICATION:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibilities of fine and imprisonment for knowing violations.

CITY OF SANTA CRUZ, CALIFORNIA


Steve Hammack

Signature

Superintendent of Parks
Title
Jan 14, 2005
Date of Preparation *Amended*

This SWPPP was prepared by:
HALSEY DARAY GOLF, INC.

Stephen L. Halsey RLA# 1300
Name

Principal
Title


Signature

8/6/04
Date of Preparation

***** End of Report *****

State Water Resources Control Board

NOTICE OF INTENT

TO COMPLY WITH THE TERMS OF THE
GENERAL PERMIT TO DISCHARGE STORM WATER
ASSOCIATED WITH CONSTRUCTION ACTIVITY (WQ ORDER No. 99-08-DWQ)

**I. NOI STATUS (SEE INSTRUCTIONS)**

MARK ONLY ONE ITEM

1. New Construction2. Change of Information for WDID#

344c330064

II. PROPERTY OWNER

Name Parks & Recreation Department	Contact Person Steve Hammack	
Mailing Address 323 Church Street	Title Superintendent of Parks	
City Santa Cruz	State CA	Zip 95060
	Phone (831) 420-5366	

III. DEVELOPER/CONTRACTOR INFORMATION

Developer/Contractor Golf Course Builders International	Contact Person Scott Monn	
Mailing Address 1109 North Palmetto Circle	Title Vice President	
City Eustis	State FL	Zip 32726
	Phone (352) 357-5615	

IV. CONSTRUCTION PROJECT INFORMATION

Site/Project Name De LaVeaga Golf Course Improvements	Site Contact Person Miles Hicks		
Physical Address/Location 401 Upper Park Road	Latitude 36° 59'	Longitude 122° 01'	County Santa Cruz
City (or nearest City) Santa Cruz	Zip 95065	Site Phone Number (831) 420-6121	Emergency Phone Number (831) 420-5366
A. Total size of construction site area: 108.5 Acres	C. Percent of site imperviousness (including rooftops): Before Construction: 9.2 % After Construction: 9.3 %		D. Tract Number(s): N/A
B. Total area to be disturbed: 28.43 Acres (% of total 26%)			E. Mile Post Marker: N/A
F. Is the construction site part of a larger common plan of development or sale? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	G. Name of plan or development:		
H. Construction commencement date: 9 / 20 / 04	J. Projected construction dates: Complete grading: 11 / 30 / 04 Complete project: 4 / 30 / 05		
I. % of site to be mass graded: 19%			
K. Type of Construction (Check all that apply): 1. <input type="checkbox"/> Residential 2. <input type="checkbox"/> Commercial 3. <input type="checkbox"/> Industrial 4. <input checked="" type="checkbox"/> Reconstruction 5. <input type="checkbox"/> Transportation 6. <input type="checkbox"/> Utility Description: _____ 7. <input checked="" type="checkbox"/> Other (Please List): Park & Recreation Facility			

V. BILLING INFORMATION

<input checked="" type="checkbox"/> SEND BILL TO: OWNER (as in II. above)	Name City of Santa Cruz, Parks & Recreation Department	Contact Person Steve Hammack, Park & Recreation Director	
<input type="checkbox"/> DEVELOPER (as in III. above)	Mailing Address 323 Church Street	Phone/Fax PHONE: (831)420-5366 Fax (831)420-5361	
<input type="checkbox"/> OTHER (enter information at right)	City Santa Cruz	State CA	Zip 95060

VI. REGULATORY STATUS

A. Has a local agency approved a required erosion/sediment control plan YES NO
Does the erosion/sediment control plan address construction activities such as infrastructure and structures? YES NO
Name of local agency: City of Santa Cruz Phone: (831) 420 - 5366

B. Is this project or any part thereof, subject to conditions imposed under a CWA Section 404 permit of 401 Water Quality Certification? YES NO
If yes, provide details: _____

VII. RECEIVING WATER INFORMATION

A. Does the storm water runoff from the construction site discharge to (Check all that apply):
1. Indirectly to waters of the U.S.
2. Storm drain system - Enter owner's name: City of Santa Cruz
3. Directly to waters of U.S. (e.g. , river, lake, creek, stream, bay, ocean, etc.)

B. Name of receiving water: (river, lake, creek, stream, bay, ocean): Arana Creek, or Branciforte Creek

VIII. IMPLEMENTATION OF NPDES PERMIT REQUIREMENTS

A. STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (check one)
 A SWPPP has been prepared for this facility and is available for review: Date Prepared: 8 / 6 / 04 Date Amended: 01/14/05
 A SWPPP will be prepared and ready for review by (enter date): / /
 A tentative schedule has been included in the SWPPP for activities such as grading, street construction, home construction, etc.

B. MONITORING PROGRAM
 A monitoring and maintenance schedule has been developed that includes inspection of the construction BMPs before anticipated storm events and after actual storm events and is available for review.
If checked above: A qualified person has been assigned responsibility for pre-storm and post-storm BMP inspections to identify effectiveness and necessary repairs or design changes. YES NO
Name: Miles Hicks, Golf Course Superintendent Phone: (831)426-7260
City of Santa Cruz, California

C. PERMIT COMPLIANCE RESPONSIBILITY
A qualified person has been assigned responsibility to ensure full compliance with the Permit, and to implement all elements of the Storm Water Pollution Prevention Plan including:
1. Preparing an annual compliance evaluation..... YES NO
Name: Steve Hammack Phone: (831) 420-5366
2. Eliminating all unauthorized discharges..... YES NO

IX. VICINITY MAP AND FEE (must show site location in relation to nearest named streets, intersections, etc.)

Have you included a vicinity map with this submittal? YES NO
Have you included payment of the annual fee with this submittal? YES NO

X. CERTIFICATIONS

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. In addition, I certify that the provisions of the permit, including the development and implementation of a Storm Water Pollution Prevention Plan and a Monitoring Program Plan will be complied with."

Printed Name: Steve Hammack
Signature: [Signature] Date: JAN 21, 2005
Title: Superintendent of Parks

Corrective Action and Cleanup Efforts

Problem:

1. Parking lot area with unprotected stockpiles and no sediment controls.

Corrective Action:

1. Parking lot was resurfaced on December 20, 2004. Stockpiles have been removed, as well as the need for sediment controls. See photograph #14.

Problem:

2. Discharge of sediment-laden water from parking lot to surface waters.

Corrective Action:

2. Sediment sources in parking lot removed. Sandbagging added at discharge points to control sediment runoff. See photographs #17.

Problem:

3. Erosion at Greens Complex #18 and storm water drainage into pipe. No erosion controls.

Corrective Action:

3. Silt fencing repaired and sandbagging added to drain inlet on December 9, 2004. Silt fencing and fiber rolls installed above drain inlet to control erosion. See photographs #11 & 16.

Problem:

4. Pipe discharge of sediment-laden water over collapsed silt fence and into surface waters.

Corrective Action:

4. Silt fence repaired on December 9, 2004. Sandbagging and fiber added to drain inlet. Rip-rap added as velocity dissipater at discharge point. See photograph #4.

Problem:

5. Sediment in streets near construction staging area.

Corrective Action:

5. Inspector incorrectly reported sediment in streets. Inspector's photo shows material staging area within the construction staging area. Materials have since been removed and placed in their final destinations.

Corrective Action and Cleanup Efforts

Problem:

6. Oily sheen on runoff in construction staging area and uncovered partly-full gasoline containers.

Corrective Action:

6. Gasoline containers were placed in secondary containment. As was the case at the time of inspection, all drainage inlets in the staging area are protected by fabric and sandbags. It should be noted here that the staging area is normally a parking lot and that the oily sheen could be attributed to oil from the cars that park there, not to mention the properties of the asphalt surface itself.

Problem:

7. Greens complex 1 area with no erosion control, unprotected stockpiles, and failing sediment control. Discharge of sediment-laden water to surface waters.

Corrective Action:

7. Silt fence was repaired on December 9, 2004. Stockpiles have been removed or silt fenced.

Problem:

8. Sediment overwhelming silt fences in Greens complex 5. Widespread erosion and no erosion controls in disturbed areas. Discharges of sediment to surface waters.

Corrective Action:

8. Silt fencing repaired on December 10, 2004. Redundant fencing added in high pressure areas. Extensive sandbagging and fiber rolls used for erosion control in disturbed areas. Corrugated drain pipe used to direct site drainage through turf as bio-swale. See photographs #1,3,7, & 9.

Problem:

9. Sediment overwhelming silt fences at various tees, all resulting in discharge of sediment-laden water to surface waters.

Corrective Action:

9. Silt fences repaired on December 10, 2004. Fiber rolls and redundant silt fencing added for erosion control.

Corrective Action and Cleanup Efforts

Problem:

10. Tee area with no erosion or sediment controls. Sediment buried street curb and covers the street.

Corrective Action:

10. Inspector misinterpreted situation. The "curb" and "street" in inspector's report are in fact a cart path and cart path curb located on hole #1 of the golf course. Sedimentation did not reach the street, and was contained on the property. Fiber rolls and silt fencing were added, regardless, as seen in photograph #10.

**Delaveaga Golf Course
Renovation Project
Inspection Log
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Page #

Inspection Date

1.	October 8, 2004
2.	October 13, 2004
3.	October 18, 2004
4.	October 20, 2004
5.	October 26, 2004
6.	November 3, 2004
7.	November 10, 2004
8.	November 19, 2004
9.	December 3, 2004
10.	December 7, 2004
11.	December 10, 2004
12.	December 22, 2004

**CONSTRUCTION GENERAL PERMIT
INSPECTION CHECKLIST**

Regular Inspection

Rainfall Event Inspection (before)

Rainfall Event Inspection (after) _____ inches

Inspected by: MILES HINES

Date: 10/8/04

Project: De Laveaga Golf Course Remodel and Improvements

Yes	No	Does Not Apply	
	✓		Are the BMPs called for on the SWPPP installed in the proper location and according to the specifications for the SWPPP? <i>BY 10/15/04</i>
	✓		Are all operation storm drain inlets protected from sediment inflow? <i>BY 10/15/04</i>
	✓		Do any structural practices require repair or clean-out to maintain adequate functions? If yes, indicate which ones:
✓			Are construction on-site traffic routes, parking and storage of equipment and supplies restricted to areas specifically designated for those uses?
✓			Are locations of temporary soil stock piles or construction materials in approved areas
		✓	Do any seeded or landscaped areas require maintenance, irrigation, fertilization, seeding or mulching?
	✓		Is there any evidence that sediment is leaving the site?
	✓		Is there any evidence of erosion on cut or fill slopes?
	✓		Is there any evidence of sediment, debris or mud on public roads at intersections with site access roads?
	✓		Does the SWPPP require revision? If yes, explain:

CONSTRUCTION GENERAL PERMIT INSPECTION CHECKLIST

Regular Inspection

Rainfall Event Inspection (before)

Rainfall Event Inspection (after) _____ inches

Inspected by: MILES HICKS

Date: 10/13/04

Project: De Laveaga Golf Course Remodel and Improvements

Yes	No	Does Not Apply	
	✓		Are the BMPs called for on the SWPPP installed in the proper location and according to the specifications for the SWPPP? <i>FIBER ROLLS NOT INSTALLED DUE TO NEED TO GRADE AREA</i>
✓			Are all operation storm drain inlets protected from sediment inflow?
	✓		Do any structural practices require repair or clean-out to maintain adequate functions? If yes, indicate which ones:
✓			Are construction on-site traffic routes, parking and storage of equipment and supplies restricted to areas specifically designated for those uses?
✓			Are locations of temporary soil stock piles or construction materials in approved areas
		✓	Do any seeded or landscaped areas require maintenance, irrigation, fertilization, seeding or mulching?
	✓		Is there any evidence that sediment is leaving the site?
	✓		Is there any evidence of erosion on cut or fill slopes?
	✓		Is there any evidence of sediment, debris or mud on public roads at intersections with site access roads?
✓			Does the SWPPP require revision? If yes, explain: <i>FIBER ROLLS SHOULD BE REMOVED FROM SITE PLAN IN AREAS NOT BEING USED.</i>

CONSTRUCTION GENERAL PERMIT INSPECTION CHECKLIST

Regular Inspection

Rainfall Event Inspection (before)
 Rainfall Event Inspection (after) 1 inches

Inspected by: MICHAEL HARRIS

Date: 10/18/04

Project: De Laveaga Golf Course Remodel and Improvements

Yes	No	Does Not Apply	
	✓		Are the BMPs called for on the SWPPP installed in the proper location and according to the specifications for the SWPPP? <i>NO PROBLEMS DUE TO NEED FOR FURTHER CONSTRUCTION</i>
✓			Are all operation storm drain inlets protected from sediment inflow?
	✓		Do any structural practices require repair or clean-out to maintain adequate functions? If yes, indicate which ones:
✓			Are construction on-site traffic routes, parking and storage of equipment and supplies restricted to areas specifically designated for those uses?
✓			Are locations of temporary soil stock piles or construction materials in approved areas
		✓	Do any seeded or landscaped areas require maintenance, irrigation, fertilization, seeding or mulching?
	✓		Is there any evidence that sediment is leaving the site?
✓			Is there any evidence of erosion on cut or fill slopes? <i>CONTAINED ON SIPS.</i>
	✓		Is there any evidence of sediment, debris or mud on public roads at intersections with site access roads?
✓			Does the SWPPP require revision? If yes, explain: <i>REVISE SWPPP TO REFLECT CHANGES REGARDING PAPER NOW USE.</i>

CONSTRUCTION GENERAL PERMIT INSPECTION CHECKLIST

Regular Inspection

Rainfall Event Inspection (before)
 Rainfall Event Inspection (after) 1.75 inches

Inspected by: MICHAEL HICKS

Date: 10/20/04

Project: De Laveaga Golf Course Remodel and Improvements

Yes	No	Does Not Apply	
✓			Are the BMPs called for on the SWPPP installed in the proper location and according to the specifications for the SWPPP? <i>ADDT'L SILT FENCES WERE ADDED TO CONTROL GROUNDWATER MOVEMENT.</i>
✓			Are all operation storm drain inlets protected from sediment inflow?
✓			Do any structural practices require repair or clean-out to maintain adequate functions? If yes, indicate which ones: <i>REPAIR SILT FENCES ON GRASS 1, 5, 18. REMOVE SEDIMENTATION</i>
✓			Are construction on-site traffic routes, parking and storage of equipment and supplies restricted to areas specifically designated for those uses?
✓			Are locations of temporary soil stock piles or construction materials in approved areas
		✓	Do any seeded or landscaped areas require maintenance, irrigation, fertilization, seeding or mulching?
	✓		Is there any evidence that sediment is leaving the site?
✓			Is there any evidence of erosion on cut or fill slopes? <i>NOT CONSIDER SITE</i>
	✓		Is there any evidence of sediment, debris or mud on public roads at intersections with site access roads?
✓			Does the SWPPP require revision? If yes, explain: <i>REVISE SWPPP TO SHOW NEW SILT FENCE AREAS NEAR CARPARKS.</i>

**CONSTRUCTION GENERAL PERMIT
INSPECTION CHECKLIST**

Regular Inspection

Rainfall Event Inspection (before)

Rainfall Event Inspection (after) 2.5 inches

Inspected by: MILWA HICKS

Date: 10/26/04

Project: De Laveaga Golf Course Remodel and Improvements

Yes	No	Does Not Apply	
✓			Are the BMPs called for on the SWPPP installed in the proper location and according to the specifications for the SWPPP?
✓			Are all operation storm drain inlets protected from sediment inflow?
✓			Do any structural practices require repair or clean-out to maintain adequate functions? If yes, indicate which ones: <i>REMOVE SEDIMENTATION FROM SILT BOWLS ON #1, 5, 18, 16.</i>
✓			Are construction on-site traffic routes, parking and storage of equipment and supplies restricted to areas specifically designated for those uses?
✓			Are locations of temporary soil stock piles or construction materials in approved areas
		✓	Do any seeded or landscaped areas require maintenance, irrigation, fertilization, seeding or mulching?
	✓		Is there any evidence that sediment is leaving the site?
✓			Is there any evidence of erosion on cut or fill slopes? <i>CONFINED ON SITE</i>
	✓		Is there any evidence of sediment, debris or mud on public roads at intersections with site access roads?
	✓		Does the SWPPP require revision? If yes, explain:

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**CONSTRUCTION GENERAL PERMIT
INSPECTION CHECKLIST**

Regular Inspection

Rainfall Event Inspection (before)
 Rainfall Event Inspection (after) ___ inches

Inspected by: MILES ALLEN

Date: 11/3/04

Project: De Laveaga Golf Course Remodel and Improvements

Yes	No	Does Not Apply	
✓			Are the BMPs called for on the SWPPP installed in the proper location and according to the specifications for the SWPPP?
✓			Are all operation storm drain inlets protected from sediment inflow?
	✓		Do any structural practices require repair or clean-out to maintain adequate functions? If yes, indicate which ones:
✓			Are construction on-site traffic routes, parking and storage of equipment and supplies restricted to areas specifically designated for those uses?
✓			Are locations of temporary soil stock piles or construction materials in approved areas
		✓	Do any seeded or landscaped areas require maintenance, irrigation, fertilization, seeding or mulching?
	✓		Is there any evidence that sediment is leaving the site?
✓			Is there any evidence of erosion on cut or fill slopes? <i>CONTRADICTORY ON SITE</i>
	✓		Is there any evidence of sediment, debris or mud on public roads at intersections with site access roads?
	✓		Does the SWPPP require revision? If yes, explain:

CONSTRUCTION GENERAL PERMIT INSPECTION CHECKLIST

Regular Inspection

Rainfall Event Inspection (before)
 Rainfall Event Inspection (after) 0.25" inches

Inspected by: MICHAEL WICKS

Date: 11/10/04

Project: De Laveaga Golf Course Remodel and Improvements

Yes	No	Does Not Apply	
✓			Are the BMPs called for on the SWPPP installed in the proper location and according to the specifications for the SWPPP?
✓			Are all operation storm drain inlets protected from sediment inflow?
✓			Do any structural practices require repair or clean-out to maintain adequate functions? If yes, indicate which ones: <i>Remove silt from drainage on drainage</i>
✓			Are construction on-site traffic routes, parking and storage of equipment and supplies restricted to areas specifically designated for those uses?
✓			Are locations of temporary soil stock piles or construction materials in approved areas
		✓	Do any seeded or landscaped areas require maintenance, irrigation, fertilization, seeding or mulching?
✓	✓		Is there any evidence that sediment is leaving the site?
✓			Is there any evidence of erosion on cut or fill slopes? <i>Controlled on site</i>
	✓		Is there any evidence of sediment, debris or mud on public roads at intersections with site access roads?
	✓		Does the SWPPP require revision? If yes, explain:

**CONSTRUCTION GENERAL PERMIT
INSPECTION CHECKLIST**

Regular Inspection

Rainfall Event Inspection (before)

Rainfall Event Inspection (after) _____ inches

Inspected by: MICHAEL HICKS

Date: 11/19/04

Project: De Laveaga Golf Course Remodel and Improvements

Yes	No	Does Not Apply	
✓			Are the BMPs called for on the SWPPP installed in the proper location and according to the specifications for the SWPPP?
✓			Are all operation storm drain inlets protected from sediment inflow?
	✓		Do any structural practices require repair or clean-out to maintain adequate functions? If yes, indicate which ones:
✓			Are construction on-site traffic routes, parking and storage of equipment and supplies restricted to areas specifically designated for those uses?
✓			Are locations of temporary soil stock piles or construction materials in approved areas
		✓	Do any seeded or landscaped areas require maintenance, irrigation, fertilization, seeding or mulching?
	✓		Is there any evidence that sediment is leaving the site?
✓			Is there any evidence of erosion on cut or fill slopes? <i>FROM PREVIOUS LANDFILL</i>
	✓		Is there any evidence of sediment, debris or mud on public roads at intersections with site access roads?
	✓		Does the SWPPP require revision? If yes, explain:

CONSTRUCTION GENERAL PERMIT INSPECTION CHECKLIST

Regular Inspection

Rainfall Event Inspection (before)
 Rainfall Event Inspection (after) _____ inches,

Inspected by: MILES HICKS

Date: 12/13/04

Project: De Laveaga Golf Course Remodel and Improvements

Yes	No	Does Not Apply	
✓			Are the BMPs called for on the SWPPP installed in the proper location and according to the specifications for the SWPPP?
✓			Are all operation storm drain inlets protected from sediment inflow?
✓			Do any structural practices require repair or clean-out to maintain adequate functions? If yes, indicate which ones: <i>REPAIR SILT FENCE ROWS FOR GRADING ON #18 TEE & GRAD</i>
✓			Are construction on-site traffic routes, parking and storage of equipment and supplies restricted to areas specifically designated for those uses?
✓			Are locations of temporary soil stock piles or construction materials in approved areas
		✓	Do any seeded or landscaped areas require maintenance, irrigation, fertilization, seeding or mulching?
	✓		Is there any evidence that sediment is leaving the site?
	✓		Is there any evidence of erosion on cut or fill slopes? <i>TEE & GRAD BANKS RE-GRADDED.</i>
	✓		Is there any evidence of sediment, debris or mud on public roads at intersections with site access roads?
	✓		Does the SWPPP require revision? If yes, explain:

**CONSTRUCTION GENERAL PERMIT
INSPECTION CHECKLIST**

Regular Inspection

Rainfall Event Inspection (before)

Rainfall Event Inspection (after) 1.25 inches

Inspected by: MILES HUBBS

Date: 12/7/04

Project: De Laveaga Golf Course Remodel and Improvements

Yes	No	Does Not Apply	
✓			Are the BMPs called for on the SWPPP installed in the proper location and according to the specifications for the SWPPP?
✓			Are all operation storm drain inlets protected from sediment inflow?
	✓		Do any structural practices require repair or clean-out to maintain adequate functions? If yes, indicate which ones:
✓			Are construction on-site traffic routes, parking and storage of equipment and supplies restricted to areas specifically designated for those uses?
✓			Are locations of temporary soil stock piles or construction materials in approved areas
		✓	Do any seeded or landscaped areas require maintenance, irrigation, fertilization, seeding or mulching?
	✓		Is there any evidence that sediment is leaving the site?
	✓		Is there any evidence of erosion on cut or fill slopes?
	✓		Is there any evidence of sediment, debris or mud on public roads at intersections with site access roads?
	✓		Does the SWPPP require revision? If yes, explain:

CONSTRUCTION GENERAL PERMIT INSPECTION CHECKLIST

Regular Inspection

Rainfall Event Inspection (before)
 Rainfall Event Inspection (after) _____ inches

Inspected by: M. G. S. (HUK)

Date: 12/10/04

Project: De Laveaga Golf Course Remodel and Improvements

Yes	No	Does Not Apply	
✓			Are the BMPs called for on the SWPPP installed in the proper location and according to the specifications for the SWPPP?
✓			Are all operation storm drain inlets protected from sediment inflow?
✓			Do any structural practices require repair or clean-out to maintain adequate functions? If yes, indicate which ones: <i>PBA RW&BC INSTALLATIONS</i> <i>ESP. #1, 5, 10 GRW LONG PILES</i>
✓			Are construction on-site traffic routes, parking and storage of equipment and supplies restricted to areas specifically designated for those uses?
✓			Are locations of temporary soil stock piles or construction materials in approved areas
		✓	Do any seeded or landscaped areas require maintenance, irrigation, fertilization, seeding or mulching?
	✓		Is there any evidence that sediment is leaving the site?
✓			Is there any evidence of erosion on cut or fill slopes? <i>CONFINED ON-SITE</i>
	✓		Is there any evidence of sediment, debris or mud on public roads at intersections with site access roads?
	✓		Does the SWPPP require revision? If yes, explain:

**CONSTRUCTION GENERAL PERMIT
INSPECTION CHECKLIST**

Regular Inspection

Rainfall Event Inspection (before)

Rainfall Event Inspection (after) _____ inches

Inspected by: MICHAEL HULL

Date: 12/2/04

Project: De Laveaga Golf Course Remodel and Improvements

Yes	No	Does Not Apply	
	✓		Are the BMPs called for on the SWPPP installed in the proper location and according to the specifications for the SWPPP? <i>AND FIBER ROWS TO #5 + 18 AND COMPLETE</i>
✓			Are all operation storm drain inlets protected from sediment inflow?
	✓		Do any structural practices require repair or clean-out to maintain adequate functions? If yes, indicate which ones:
✓			Are construction on-site traffic routes, parking and storage of equipment and supplies restricted to areas specifically designated for those uses?
✓			Are locations of temporary soil stock piles or construction materials in approved areas
		✓	Do any seeded or landscaped areas require maintenance, irrigation, fertilization, seeding or mulching?
	✓		Is there any evidence that sediment is leaving the site?
✓			Is there any evidence of erosion on cut or fill slopes? <i>CONFINED ON SITE</i>
	✓		Is there any evidence of sediment, debris or mud on public roads at intersections with site access roads?
✓			Does the SWPPP require revision? If yes, explain: <i>REVISE TO SHOW FIBER ROWS INSTALLED ON #5 + 18.</i>

**Delaveaga Golf Course
Renovation Project
Monitoring and Reporting Log**

October 8, 2004- After a surprise visit from the RWQBC, action was taken to initiate the SWPPP and install erosion and sediment controls. Contracted staff is currently installing silt fence, drain protection, and fiber rolls per permit requirements. The contractor has been instructed to complete the installation by October 15, 2004.

October 13, 2004- A regular inspection was performed today to insure completion of installation as reported by the Contractor. Upon inspection, it is noted that fiber rolls have not been used to the extent called for in the SWPPP due to the interference they cause with regard to grading. The contractor has agreed to use more silt fencing in these areas to protect discharge areas while maintaining their ability to perform their contracted duties. The SWPPP should be revised to reflect these changes.

October 18, 2004- A post-rainfall event inspection was performed. One inch of rain fell on the project site. This was an unexpected rainfall given the amount of rain and time of year. Due to previously dry conditions, much of the rainfall was absorbed by the soil. There was no noticeable damage to silt fencing on the site. Protected drains are performing at a slowed rate, as expected. Some slight erosion is noted on the graded tee banks, but has not caused off-site sedimentation.

October 20, 2004- A post-rainfall event inspection was performed. 1.75 inches of rain was recorded at the site. Upon inspection, it was noted that some graded areas for new cart paths are close to discharge points. The contractor has been directed to install silt fence along these areas. Examples of these areas are #1 green complex and #6 fairway. Revise site plan to show these areas. Removal of sediment build up is needed on silt fencing for #1, 5, and 18 greens.

October 26, 2004- A post-rainfall event inspection was performed. 2.5 inches of rain fell on the site. Sediment removal required on silt fencing for #1, 5, and 18 greens as well as #6 tee. On-site erosion of bare slopes is noted. The sediment is not leaving the site, and is cleaned up, re-graded, and returned to the intended area by the Contractor as soon as possible.

**Delaveaga Golf Course
Renovation Project
Monitoring and Reporting Log**

November 3, 2004- A regular inspection was performed to verify repairs to silt fence noted in the previous inspection. Repairs are complete or on-going.

November 10, 2004- A post-rainfall event inspection was performed after a quarter of an inch. Sediment barriers on protected drains are causing extremely slow drainage which leads to large areas of standing water. Contractor instructed to clean/replace fiber barriers to insure proper permeability and drainage.

November 19, 2004- A regular inspection was conducted to insure proper repair of sediment laden fiber barriers on drains. Barriers clean/replace according to requirements.

December 3, 2004- A pre-rainfall event inspection was performed. Contractor instructed to replace silt fence on #18 that was removed for grading.

December 7, 2004- A post-rainfall event inspection was performed. 1.25 inches of rain were recorded.

December 10, 2004- A regular inspection was performed. RWQBC inspected golf course on 12/8/04. Complained that golf course had no erosion control measures in place. Were concerned about green complexes #5 and 18. Contractor instructed to make repairs and changes per RWQBC request. Revise site plan to indicate changes made.

December 22, 2004- Fiber rolls added to #5 and 18 in an attempt to control erosion on slopes. Will make effort despite lack of success with regards to fiber rolls. Revise site plan to show these new features.

Description of Submitted Photographs
January 10, 2005

1. Redundant silt fencing installed on #5 green complex.
2. Silt fencing and fiber rolls installed to protect parking lot surface from #7 tee complex sediments.
3. Sandbagging and silt fencing on #5 green complex.
4. Rip-rap used as velocity dissipater on #18 green complex.
5. Sandbagging and silt fencing on #13 cart path.
6. Rip-rap used on #2 cart path.
7. Redundant silt fencing used on #5 green complex.
8. Sandbagging and silt fencing on #14 tee complex.
9. Fiber rolls on slope of #5 green complex.
10. Fiber rolls and silt fencing used to protect road on #1 tee.
11. Sandbagging to protect drain inlet on #18 green complex.
12. Fiber rolls and silt fencing used to protect road near #4.
13. Fiber rolls, sandbagging, and silt fencing on #14 cart path.
14. Parking lot after improvements- stockpiles removed.
15. Fiber rolls and silt fencing on #3 cart path.
16. Fiber rolls, silt fencing, and sandbagging on #18 green complex.
17. Sandbagging used in parking lot for sediment control.
18. Fiber rolls and silt fencing on #4 tee.



