EXHIBIT A – SCOPE OF WORK

1. Contracts and Permits.

   1.1 Grantee shall document steps taken in soliciting and awarding any contracts to perform grant work and submit such documentation to the Grant Manager for review prior to contract award. Grantee shall provide Grant Manager with a copy of the awarded contract. Grantee shall document all contractor activities and expenditures in progress reports.

   1.2 No work that is subject to California Environmental Quality Act (CEQA) or National Environmental Policy Act (NEPA) may proceed under this Agreement until documents that satisfy the CEQA/NEPA process are received by the Grant Manager.

   1.3 Grantee shall secure all required permits for project work. No work that is subject to permitting may proceed under this Agreement until documents that satisfy the permitting process(es) are received by the Grant Manager.

2. Quality Assurance Project Plan and Monitoring Plan

   2.1 Prepare and maintain a Quality Assurance Project Plan (QAPP) that is consistent with the QAPP for the Surface Water Ambient Monitoring Program (SWAMP). The QAPP must be approved by the RWQCB or SWRCB's QA Officer prior to implementation of any sampling or monitoring activities. No monitoring may occur prior to QAPP approval. Any costs related to monitoring data collected prior to and not supported by the approved QAPP will not be reimbursed.

   2.2 Prepare and maintain a Monitoring Plan that describes the types of constituents to be monitored and the frequency/schedule for the monitoring activities. The Monitoring Plan shall be approved by the Grant Manager prior to implementation of any sampling or monitoring activities. No monitoring may occur prior to Monitoring Plan approval. The Grant Manager must approve any changes to the Monitoring Plan prior to implementation.

3. Work To Be Performed:

   3.1 Project Assessment and Evaluation Plan

      3.1.1 Submit to the Grant Manager a Project Assessment and Evaluation Plan that does all of the following:

      - Identifies the nonpoint source or sources of pollution to be prevented or reduced by the project.
      - Describes the baseline water quality or quality of the environment to be addressed.
      - Describes the manner in which the project will be effective in preventing or reducing pollution and in demonstrating the desired environmental results.
      - Provides quantifiable measure that will be used to evaluate the success of the project and documents all other items necessary to adequately evaluate the overall success of the completed project.

   3.2 Pre-Installation Project Site Analysis

      3.2.1 Conduct pre-installation photo documentation of the project sites.

      3.2.2 Observe land use areas such as the beach, beach bike path, balance of parking lot at the southern end of the 2030 Barnard Way lot ~~and Pacific Coast Highway (PCH) adjacent to the 1030 PCH parking lot and Palisades Beach Road~~ before installation of green parking lot

systems to determine how to best design and install the turf systems to reduce urban runoff pollution to the maximum extent practicable into the Santa Monica Bay.

3.2.3 Estimate quantities of water ponded on the sites before and after project implementation to determine reductions in runoff from the parking lots.

3.2.4 Measure the volume and weigh the amount of debris and trash collected from the ~~two (2)~~ sites a minimum of two (2) rain events, and no more than four (4) storm events, greater than one quarter (1/4) inches. Volume will be estimated based upon the square footage of the parking lot and the amount of rainfall failing on it, as well as any upstream watershed square footage that flows to the parking lots.

3.2.5 Submit any reports or documents developed per the work described in 3.2.1 through 3.2.4.

3.3 Water Quality Monitoring

3.3.1 Install a shallow monitoring well adjacent to ~~each~~ the project site prior to installation of turf systems.

3.3.2 Collect baseline water quality samples according to the approved QAPP and Monitoring Plan.

3.3.3 Submit any reports or documents developed per the work described in 3.3.1 and 3.3.2.

3.4 Project Design

3.4.1 Establish criteria and parameters such as collection and storage for infiltration of all dry weather runoff and up to the three quarters (¾) inch storm event onsite to be used in the design plan and submit it to the Grant Manager for review and comment. The design plan will ensure that the project site is easily maintained, is designed to withstand the weight of car parking, the irrigation system accommodates vehicular traffic and parking, and has proper barriers to separate pedestrians and recreational uses from the parking zones.

3.4.2 Prepare the design plan and specifications of the Netlon Advanced Turf System for the demonstration project site located at 2030 Barnard Way in Santa Monica including any safety barrier and irrigation system~~, if applicable~~.

3.4.3 Submit the design plan and specifications to the Grant Manager for review and comment.

~~3.4.4Prepare the design plan and specifications of the Netlon 50 Turf System for the demonstration project site located at 1030 Palisades Beach Road in Santa Monica.~~

~~3.4.5Submit the design plan and specifications to the Grant Manager for review and comment.~~

~~3.4.6~~3.4.4 Conduct a public forum, such as ~~a City Council~~ at a City Recreation & Parks Commission meeting, to present the design plans and specifications (3.4.2 ~~and 3.4.4~~) to the community for comment and to make the public aware of the project goals.

~~3.4.7~~3.4.5 Revise the design plans and specifications according to comments received from the Grant Manager and public forum.

~~3.4.8~~3.4.6 Prepare a letter to proceed for Grant Manager approval prior to beginning construction.

~~3.4.9~~3.4.7 Submit any reports or documents developed per the work described in 3.4.1 through 3.4.~~8~~6.

3.5 Implementation of the Design Plans

3.5.1 Install the Netlon Advanced Turf System at the demonstration project site located at 2030 Barnard Way in Santa Monica including safety barrier per the approved design plan and specifications.

~~3.5.2Install the Netlon 50 Turf System at the demonstration project site located at 1030 Palisades Beach Road in Santa Monica per the approved design plan and specifications.~~

~~3.5.3~~3.5.2 Submit any reports or documents, including As-builts or equivalent Grantee engineering design documentation for the purposes of sharing information with other agencies interested in replicating the Best Management Practice (BMP), developed per the work described in 3.5.1 ~~through 3.5.3~~.

3.6 Operations and Maintenance Plan

3.6.1 Prepare an operations and maintenance plan to be used after installation of the rigid turf parking lot system ~~at each site~~.

3.6.2 Submit the plan to the Grant Manager for review and approval.

3.6.3 Submit any reports or documents developed per the work described in 3.6.1 and 3.6.2.

3.7 Post-Installation Project Site Analysis

3.7.1 Conduct post installation photo documentation of the project sites.

3.7.2 Observe land use areas such as the beach, beach bike path, balance of parking lot at the 2030 Barnard Way lot ~~and PCH adjacent to the 1030 PCH parking lot and Palisades Beach Road~~ after installation of green parking lot systems. Compare the pre- to post-installation observations of land use to identify any possible causes of water quality changes.

3.7.3 Estimate quantities of water ponded on the sites after project implementation and compare to measurements taken before implementation (3.2.3) to determine reductions in runoff from parking lots.

3.7.4 Compare before/after observations for reduction in flow quantities leaving the sites and for water quality improvement. Reduced flows will indicate previous flows are now being filtered into the ground and not running off into the Santa Monica Bay. Reduced concentrations of pollutants from data from 3.3.2 monitoring will indicate improved water quality.

3.7.5 Submit any reports or documents developed per the work described in 3.7.1 through 3.7.4.

3.8 Education Outreach

3.8.1 Produce and install signage at ~~both~~ the project sites describing the benefits of the project. Submit a photograph of each installed sign.

3.8.2 Produce educational handouts, brochures about urban runoff issues, solutions and how the project is one (1) solution, for distribution during tours of the sites, at conferences and other public forums in which a Grantee representative is present as a participant, as well as post on the Grantee's website when data, reports or educational materials are available.

3.8.3 Schedule tours on a to-be-announced basis of the project sites based upon quantity of calls for requests.

3.8.4 Utilize community members, such as Heal the Bay, TreePeople and BayKeepers, to the extent possible, in formulating educational outreach materials on environmental protection and reviewing monitoring procedures.

3.8.5 Submit any reports or documents developed per the work described in 3.8.1 through 3.8.4.

3.9 Draft and Final Project Reports

3.9.1 Prepare a draft project report that includes the results of the work listed above. The report shall include the following narrative sections:

- A brief introduction section including a statement of purpose, the scope of the project, and a description of the approach and techniques used during the project.
- A list of the submittals previously submitted as outlined in the Table of Submittals.
- Any additional information that is deemed appropriate by the Project Director.
- Indicate whether the purposes of the project have been met. Include information collected in accordance with the project monitoring and reporting ("assessment and evaluation") plan, including determination of the effectiveness of the BMPs or management measures implemented as part of the project in preventing or reducing nonpoint source pollution.

3.9.2 Submit copies of the draft project report to the Grant Manager for review and comment.

3.9.3 Prepare a final project report that addresses, to the extent feasible, comments made by the Grant Manager on the draft project report. Submit one (1) reproducible master and two (2) copies of the final project report to the Grant Manager for review and acceptance.

TABLE OF SUBMITTALS

Item	DESCRIPTION	GRANT FUNDING	DUE DATE
- -	Project Administration	$ 0	October 10, 2004 and quarterly thereafter
	EXHIBIT A – SCOPE OF WORK		
1.0	CONTRACTS AND PERMITS	$ 0	- -
1.1	Contract documentation	- -	Before each award
1.2	Copy of final CEQA/NEPA documentation	- -	~~September 15~~, ~~2004~~**February 15, 2007**
1.3	Signed cover sheets for all permits	- -	April 15, ~~2005~~**2007**
2.0	MONITORING PLAN, and QUALITY ASSURANCE PROJECT PLAN	$ 0	- -
2.1	Monitoring Plan	- -	~~March 1,~~ ~~2005~~**January 15, 2007**

Item	DESCRIPTION	GRANT FUNDING	DUE DATE
2.2	Quality Assurance Project Plan	- -	~~March 15, 2005~~**January 15, 2007**
3.0	WORK TO BE PERFORMED	- -	- -
3.1	Project Assessment and Evaluation Plan	--	- -
3.1.1	Project Assessment and Evaluation Plan		~~December 15, 2004~~**December 15, 2006**
3.2	Pre-Installation Project Site Analysis	$5,000	~~April 15, 2005~~**December 15, 2006**
3.2.5	Reports or Documentation from 3.2.1 through 3.2.4	- -	January 31, ~~2007~~**2008**
3.3	Water Quality Monitoring	$15,000	- -
3.3.3	Reports or Documentation from 3.3.1 and 3.3.2	- -	January 31, ~~2007~~**2008**
3.4	Project Design	$71,830	- -
~~3.4.9~~**3.4.7**	Reports or Documentation from 3.4.1 through ~~3.4.8~~**3.4.6**	- -	March 31, ~~2005~~**2007**
3.5	Implementation of the Design Plans and Specifications	$555,000	- -
~~3.5.3~~**3.5.2**	Reports or Documentation from 3.5.1~~ and 3.5.2~~	- -	~~September 15, 2005~~**April 15, 2007**
3.6	Operations and Maintenance Plan	$47,000	- -
3.6.3	Reports or Documentation from 3.6.1 and 3.6.2	- -	January 31, ~~2007~~**2008**
3.7	Post-Installation Project Site Analysis	$5,000	- -
3.7.5	Reports or Documentation from 3.7.1 through 3.7.4	- -	January 31, ~~2007~~**2008**
3.8	Education and Outreach	$ 0	- -
3.8.5	Reports or Documentation from 3.8.1 through 3.8.4	- -	January 31, ~~2007~~**2008**
3.9	Draft and Final Project Report	$ 0	- -
3.9.2	Draft Project Report	- -	~~January 31, 2007~~**December 31, 2008**
3.9.3	Final Project Report	- -	March 1, ~~2007~~**2009**
EXHIBIT B – BUDGET AND REPORTING PROVISIONS			
6.1	Progress Reports by the tenth (10^{th}) of the month following the end of the calendar quarter (March, June, September, and December)	- -	October 10, 2004 and quarterly thereafter

Item	DESCRIPTION	GRANT FUNDING	DUE DATE
6.2	Expenditure/Invoice Projections	- -	Each May and October
6.3	Grant Summary Form	- -	October 10, 2004
6.4	Natural Resource Projects Inventory project survey form	- -	Before final invoice
	Total Grant Funds:	$ 698,830	- -