

Avenida de la Playa Storm Drain Upgrades

(SD IRWMP Project #178)

Attachment 1: Eligibility



April 14, 2011

Attn: David Wells  
Project Officer II  
City of San Diego  
9370 Chesapeake Drive, Suite 100  
San Diego, CA 92123

Subject: Avenida de la Playa Storm Drain Upgrades and Dry Weather Diversion

Dear Mr. Wells,

The San Diego Regional Water Management Group (RWMG), representing the San Diego Integrated Regional Water Management (IRWM) program, has reviewed the Avenida de la Playa Storm Drain Upgrades and Dry Weather Diversion Project that will be submitted for funding under the Department of Water Resources (DWR) Proposition 1E Stormwater Flood Management Grant Program.

This letter confirms that the Avenida de la Playa Storm Drain Upgrades and Dry Weather Diversion Project is a part of the San Diego IRWM Plan. As amended, the San Diego IRWM Plan allows for periodic updates to the list of water management projects as new funding opportunities arise. The Avenida de la Playa Storm Drain Upgrades and Dry Weather Diversion Project was successfully added to the online project database (see [www.sdirwmp.org](http://www.sdirwmp.org)) in accordance with regional project submittal procedures.

*The Avenida de la Playa Storm Drain Upgrades and Dry Weather Diversion Project is a critical regional project that will address the persistent problem of flooding along Avenida de la Playa and reduce bacteria loads that occur within an Area of Special Biological Significance a result of stagnation in the existing storm drain system. The project contributes to several IRWM Plan objectives: maximize stakeholder/community involvement and stewardship, further scientific and technical foundation of water management, reduce the negative effects on waterways and watershed health caused by hydromodification and flooding, effectively reduce sources of pollutants and environmental stressors, protect, restore, and maintain habitat and open space, and optimize water-based recreational opportunities.*

The San Diego RWMG fully supports the Avenida de la Playa Storm Drain Upgrades and Dry Weather Diversion Project and encourages DWR to recommend the project for funding under the Proposition 1E Stormwater Flood Management Grant Program.

Sincerely,

A handwritten signature in black ink that reads "Mark Stadler".

Mark Stadler

San Diego IRWM Program Manager



## PROJECT DESCRIPTION

### Project Title

1. Project Title      Avenida de la Playa Storm Drain Upgrades and Dry Weather Diversion

### Project Contact

2. Name      David Wells

3. Title      Project Officer II

4. Agency/Organization      City of San Diego

5. Address 1      9370 Chesapeake Drive, Ste 100

6. City, State, and Zip Code      City: San Diego, CA 92123

7. Phone      (619) 980 - 2330 Ext:

8. Email      dwells@sandiego.gov

9. Can your contact information be shared?

### Project Location

10. Describe Project Location      La Jolla Shores in ASBS 29. The State Water Resources Control Board (State Board) has designated the La Jolla Ecological Reserve Area of Special Biological Significance (ASBS29), located along La Jolla Shores, as one of thirty-four Areas of Special Biological Significance (ASBS), considered to be the most valuable coastal waters in the State.

11. Project Acreage      5.00

12. Latitude / Longitude Coordinates      Latitude: 32.85450      Longitude:-117.25901

### Project Website

13. URL to Project Website (If Available)

### Project Partners

14. List Project Partners (Agency/Organization)

The San Diego RWMG, Upper Santa Margarita RWMG, and South Orange County RWMG collaborate in an inter-regional body established via MOU and known as the Tri-County FACC. The Tri-County FACC enables the three RWMGs to balance the necessary autonomy of each planning region to plan at the appropriate scale with the need to improve inter-regional cooperation and efficiency. Please note if your proposed project includes partnerships with any of the Tri-County FACC agencies in shared

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| watersheds.15. Partnerships with Tri-County FACC or International Organizations?                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Project Need</b>                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 16. Describe Need for Project (1-2 paragraphs)                                                                                                                                                                    | Due the increased urban development and the resultant hydromodification the storm drain pipes which carry urban storm water flows from approximately 844 acres of the La Jollas ASBS watershed is undersized. This project will replace the existing storm drain pipes. In addition the beach outfall of storm drain at end of Avenida de la Playa is at mean sea level and sand regularly blocks all flow, except during the largest winter storms. Dry weather flows collect and stagnate, creating a known source of bacterial discharge to the receiving waters of the La Jolla State Marine Conservation Area (ASBS 29). The project will replace the beach outfall and install a dry weather flow diversion to reduce storm water pollutant loads to the ASBS. As result the project will reduce the indents and risks to flooding along Avenida de la Playa and improve water quality eliminating stagnant, bacteria-associated flows. |
| <b>Project Type</b>                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 17. Functional Area                                                                                                                                                                                               | Flood Control,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 18. Project Type                                                                                                                                                                                                  | Construction Project,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Primary Water Management Strategy</b>                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 19.                                                                                                                                                                                                               | Urban Runoff Management,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Project Description</b>                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 20. Project Summary                                                                                                                                                                                               | This Project will replace approximately 1,173 linear feet of existing storm drain system with larger diameter pipe and a install a new beach outfall and replace an existing dry weather diverter, with a new reinforced concrete box (RCB) culvert which would have no joints through which groundwater could enter, and install a an additional dry weather diverter located near the outfall.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 21. Project Description                                                                                                                                                                                           | The Project is designed to address the persistent problem of flooding along Avenida de la Playa in La Jolla and reduce bacteria loads t the ASBS as a result of stagnating in the existing storm drain system. To accomplish its goals, this Project will replace approximately 1,173 linear feet of existing storm drain system between the beach outfall and the existing dry weather diverter, with a new reinforced concrete box (RCB) culvert and an additional dry weather diverter located near the outfall. The new RCB culvert which would have no joints through which groundwater could enter, would eliminate the infiltration of groundwater into the storm drain system, thus eliminating prolonged stagnation and bacteria growth. This Project will eliminate dry weather flows from entering the ASBS receiving waters as well as accumulated bacteria other contaminants.                                                   |
| <input checked="" type="checkbox"/> 22. Identify Linkages with Other Projects                                                                                                                                     | La Jolla Shores Ocean Protection Project. The federal Clean Water Act requires coastal states to have and routinely update an Ocean Plan for maintenance of water quality standards. The Ocean Plan (and State Board) has prohibited storm water waste discharges (dry and wet weather runoff) to ASBS No. 29. The UC Regents-University of Caiifornia San Diego (UCSD), the City of San Diego and San Diego Coastkeepers are partnering on a long-term program to implement Best Management Practices (BMPs) to control non-storm water discharges and reduce or eliminate pollutant sources that drain into ASBS no 29.                                                                                                                                                                                                                                                                                                                     |
| <input checked="" type="checkbox"/> 23. Local/Regional Plans Which List the Project<br>Please see the <a href="#">San Diego IRWM Plan Appendix 13</a> for a summary of the region's local water management plans. | La Jolla Shores Coastal WMP;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <input type="checkbox"/> 24. Creates New Water<br>Sentence Description of How Project Creates New Water                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Readiness to Proceed</b>                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 25. Ready to be Considered for Prop 84 Implementation Grant? Projects must yield multiple benefits for water supply, wastewater, flood control, stormwater, and/or natural resources and watersheds.              | Yes,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 26. Ready to be Considered for Prop 1E Storm Water Flood Management Grant? Projects should be "designed                                                                                                           | Yes,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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| to manage stormwater runoff to reduce flood damage".                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                              |
| 27. Does project directly address the critical water quality and water supply issues of a disadvantaged community?<br>Click <a href="#">Here</a> for Disadvantaged Communities Map.<br>Click <a href="#">Here</a> for Disadvantaged Communities Map (Center City). | No                                                                                                                                                                                                                                                                                                           |
| <b>Project Budget</b>                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                              |
| 28. Estimated Maximum Project Cost                                                                                                                                                                                                                                 | \$4,200,205.00                                                                                                                                                                                                                                                                                               |
| 29. Estimated Minimum Project Cost                                                                                                                                                                                                                                 | \$4,207,470.00                                                                                                                                                                                                                                                                                               |
| 30. Amount of Grant Funds Requested                                                                                                                                                                                                                                | \$1,803,361.00                                                                                                                                                                                                                                                                                               |
| <input type="checkbox"/> 31. Has Project Integration Occurred? Please describe what integration occurred following the workshop                                                                                                                                    |                                                                                                                                                                                                                                                                                                              |
| <b>REGIONAL OBJECTIVES &amp; IMPACTS</b>                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                              |
| <b>Contribution to IRWM Plan Objectives - Select All That Apply</b>                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                              |
| <b>Provide One Sentence Description of How Project Contributes to IRWM Plan Objective.</b>                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                              |
| <input checked="" type="checkbox"/> 1. Objective A: Maximize stakeholder/ community involvement and stewardship.                                                                                                                                                   | As a result of high profile and resulting visibility and outreach, this project will draw awareness to the problem of nuisance urban storm water flows and its constituent pollutants to the surrounding residents. Community groups will be engaged and involved in the project execution.                  |
| <input type="checkbox"/> 2. Objective B: Effectively obtain, manage, and assess water resource data and information.                                                                                                                                               |                                                                                                                                                                                                                                                                                                              |
| <input checked="" type="checkbox"/> 3. Objective C: Further scientific and technical foundation of water management.                                                                                                                                               | The project will be monitored to assess both the pollutant removal- and cost-effectiveness. Based on the results of this effectiveness assessment, the City may use similar BMPs throughout the La Jolla ASBS 29 and other watersheds as-needed to improve effectiveness of the overall pollutant reduction. |
| <input checked="" type="checkbox"/> 4. Objective D: Develop and maintain a diverse mix of water resources.                                                                                                                                                         |                                                                                                                                                                                                                                                                                                              |
| <input type="checkbox"/> 5. Objective E: Construct, operate, and maintain a reliable infrastructure system.                                                                                                                                                        |                                                                                                                                                                                                                                                                                                              |
| <input checked="" type="checkbox"/> 6. Objective F: Reduce the negative effects on waterways and watershed health caused by hydromodification and flooding.                                                                                                        | During moderate to large rain events (0.1 inches or greater), the undersized MS4 infrastructure at Avenida de la Playa produces widespread flooding of the adjacent streets, causing damage to infrastructure, local residents and businesses, and negatively impacts water quality in the ocean.            |
| <input checked="" type="checkbox"/> 7. Objective G: Effectively reduce sources of pollutants and environmental stressors.                                                                                                                                          | The dry weather diverters will capture and redirect nuisance dry weather urban flows directly to sanitary sewer system and thus reduce a corresponding volume of targeted pollutants loads from surrounding urban area directed into the La Jolla ASBS.                                                      |
| <input checked="" type="checkbox"/> 8. Objective H: Protect, restore and maintain habitat and open space.                                                                                                                                                          | During rain events at Avenida de la Playa, the street and adjacent sand beach habitat of the La Jolla Area of Special Biological Significance (ASBS) is scoured due to hydromodification. The scouring degrades habitat and the marine biological community in this protected biological preserve.           |
| <input checked="" type="checkbox"/> 9. Objective I: Optimize water-based recreational opportunities.                                                                                                                                                               | Pollutants in particular bacteria and nutrients will be prevented from entering the La Jolla ASBS and thus improve the near shore water quality. In so doing it will improve the healthfulness of the ASBS for native species and improve the asset for visitors and users of the La Jolla shoreline.        |

| <b>Affected Hydrologic Unit(s)</b>                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                           |
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| 10. Hydrologic Units - Select All That Apply (Click <a href="#">Here</a> for Map)                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                           |
| 11. One Sentence Description of How Hydrologic Unit(s) Affected                                                                                                                                                                                                                           | The Hydrologic Unit is affected during nearly all storm events through flooding (which impacts street infrastructure, causes damage to local businesses and residences, and impacts public protection personnel), through degradation of habit in the ASBS biological preserve, and by increasing the impacts of impaired water quality on the biological community.                                      |
| <b>Affected Groundwater Basin(s)</b>                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                           |
| 12. Groundwater Basins - Select All That Apply (Click <a href="#">Here</a> for Map)                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                           |
| 13. One Sentence Description of How Groundwater Basin(s) Affected                                                                                                                                                                                                                         | There are no anticipated impacts or increase of recharging to the regional groundwater aquifers.                                                                                                                                                                                                                                                                                                          |
| <b>Affected Impaired Water Body(s): (Click <a href="#">Here</a> for Map)</b>                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                           |
| 14. Inland Surface Waters                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                           |
| 15.                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                           |
| 16. Coastal Waters                                                                                                                                                                                                                                                                        | Pacific and La Jolla Beaches,                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Affected Beneficial Use(s)</b>                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                           |
| 17. Beneficial Uses                                                                                                                                                                                                                                                                       | Commercial and Sport Fishing (COMM), Contact Water Recreation (REC-1), Marine Habitat (MAR), Preservation of Biological Habitats of Special Significance (BIOL), Rare, Threatened, or Endangered Species (RARE), Wildlife Habitat (WILD),                                                                                                                                                                 |
| 18.                                                                                                                                                                                                                                                                                       | La Jolla Ecological Reserve Area of Special Biological Significance (ASBS29) is to address stringent storm drain discharge water quality standards required by the California Ocean Plan's Areas of Special Biological Significance requirements in the La Jolla Shores area. The SWRCB (State Board) has designated the La Jolla Ecological Reserve an Area of Special Biological Significance (ASBS29). |
| <b>Planning for Climate Change</b>                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                           |
| 19. Describe how the project will adapt to long-term climate change (warmer temperatures, extended drought, extreme storms, sea level rise)                                                                                                                                               | There are no adaptations necessary for the storm water runoff BMP's and LID indented in the project. Over the long term these of the dry eather diversions could be increased should there be greater precipitation observed in the five-year, six-hour storm event.                                                                                                                                      |
| 20. Describe how the project will mitigate its contribution to climate change (energy efficiency, limits on greenhouse gas emissions, water conservation)                                                                                                                                 | None known.                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>WATER MANAGEMENT STRATEGIES</b>                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Water Management Strategies - Select All That Apply.</b>                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Provide One Sentence Description of How Project Employs Water Management Strategy.</b>                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                           |
| <input type="checkbox"/> 1. Agricultural Land Stewardship: Includes strategies for promoting continued agricultural use of lands, strategies to reduce pollutants from agricultural lands, and strategies to maintain and create wetlands and wildlife habitat within agricultural lands. |                                                                                                                                                                                                                                                                                                                                                                                                           |
| <input type="checkbox"/> 2. Agricultural Water Use Efficiency: Increasing water use efficiency and achieving reductions in the amount of water used for agricultural irrigation. Includes incentives, public education, and                                                               |                                                                                                                                                                                                                                                                                                                                                                                                           |

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| other efficiency-enhancing programs.                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <input type="checkbox"/> 3. Groundwater Management: Using and managing groundwater supplies to ensure sustainable groundwater yields while maintaining groundwater-dependent beneficial uses.                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <input type="checkbox"/> 4. Conjunctive Use & Groundwater Storage: Coordinating management of groundwater and surface water supplies to enhance reliability.                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <input type="checkbox"/> 5. Regional Conveyance: Maintaining, optimizing use of, and increasing the reliability of regional treated and untreated water conveyance facilities. Included within this strategy is maintaining the ability to obtain and convey imported water supplies into the Region.                                             |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <input type="checkbox"/> 6. Desalination: Developing potable water supplies through desalination of seawater. Includes disposal of waste brine.                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <input type="checkbox"/> 7. Potable Water Treatment & Distribution: Includes improving the quality of the potable supply delivered to potable water customers by increasing the degree of potable water treatment. Strategy also may include conveyance system improvements that improve the quality of supply delivered to treatment facilities. |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <input type="checkbox"/> 8. Economic Incentives: Includes economic incentives (e.g. loans, grants, water pricing) to promote resource preservation or enhancement.                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <input checked="" type="checkbox"/> 9. Ecosystem Restoration: Strategies that restore impacted or impaired ecosystems, and may include invasive species removal, land acquisition, water quality protection, revegetation, and protection or restoration of natural flow hydrology.                                                               | <p>The ocean receiving waters of the Avenida de la Playa Storm drain discharge has been designated an ASBS for its unique habitats and biological diversity. The proposed project will protect and enhance this diverse ecosystem by protecting water quality &amp; enhancing beach habit. The project will include long-term monitoring &amp; maintenance protocols for ecosystem management.</p>                   |
| <input checked="" type="checkbox"/> 10. Environmental and Habitat Protection & Improvement: Includes multiple species conservation programs, land conservation, wetlands creation and enhancement, habitat protection and improvement, and habitat management and species monitoring.                                                             | <p>The project protects unique habits and a diverse biological community found in the ASBS. The elimination of dry weather flows and reduction of contaminants during wet weather will help protect these valuable resources. The project will be an integral part of a comprehensive management program for the ASBS that includes water chemistry, toxicity and biological community assessments.</p>              |
| <input checked="" type="checkbox"/> 11. Floodplain Management: Strategies that decreasing the potential for flood-related damage to property or life including control or management of floodplain lands or physical projects to control runoff.                                                                                                  | <p>The proposed project will dramatically decrease the potential for flood-related damage to property and infrastructure in the area near the Avenida de la Playa storm drain outfall by upgrading the capacity of the MS4 infrastructure. Storm water runoff will be conveyed directly to the ocean, instead of flooding coastal neighborhoods, where property and infrastructure damage is presently incurred.</p> |
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| <input type="checkbox"/> <b>12. Groundwater Aquifer Remediation:</b> Includes strategies that remove pollutants from contaminated groundwater aquifers through pumping and treatment, in situ treatment, or other means.                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                        |
| <input type="checkbox"/> <b>13. Matching Quality to Use:</b> Optimizing existing resources by matching the quality of water supplies to the required quality associated with use.                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                        |
| <input checked="" type="checkbox"/> <b>14. Pollution Prevention:</b> Strategies that prevent pollution, including public education, efforts to identify and control pollutant contributing activities, and regulation of pollution-causing activities. Includes identifying, reducing, controlling, and managing pollutant loads from non-point sources.           | <p>The project will eliminate dry weather flows and associated pollutant loads from the entering the ASBS and reduce concentrations of a suite of pollutants during wet weather. The project will be part of a large-scale effort to manage the ASBS that includes irrigation reduction, aggressive street sweeping, LID infiltration, education and outreach, comprehensive ecosystem assessment.</p> |
| <input checked="" type="checkbox"/> <b>15. Water Quality Protection &amp; Improvement:</b> Strategies that seek to improve surface and groundwater quality, including planning and implementing stormwater capture and treatment, using biological treatment of surface waters, and reducing pollutant loading to groundwater supplies.                            | <p>The project will improve and protect water quality in the ocean receiving waters of the ASBS by eliminating dry weather flows to the ASBS, which convey bacteria, pesticides, metals, and harmful organics. Concentrations of these constituents during wet weather flows will also be reduced, thereby reducing the potential impact to marine biota.</p>                                          |
| <input type="checkbox"/> <b>16. Wastewater Treatment:</b> Includes wastewater collection and/or treatment system expansion, maintenance, and rehabilitation, and sewer spill prevention programs.                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                        |
| <input type="checkbox"/> <b>17. Recharge Area Protection:</b> Includes land use planning, land conservation, and physical strategies to protect areas that are important sources of groundwater recharge.                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                        |
| <input type="checkbox"/> <b>18. Recycled Municipal Wastewater:</b> Developing usable water supplies from treated municipal wastewater. Includes recycled water treatment, distribution, storage, and retrofitting of existing uses.                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                        |
| <input type="checkbox"/> <b>19. Regional Surface Storage:</b> Developing additional yield through construction or modification (enlargement) of local or regional surface reservoirs or developing surface storage capabilities in out-of-region reservoirs.                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                        |
| <input type="checkbox"/> <b>20. Reoperation &amp; Reservoir Management:</b> Managing surface storage facilities to optimize the availability and quality of stored water supplies and to protect/enhance beneficial uses. Includes balancing supply and delivery forecasts, coordinating and interconnecting reservoir storage, and optimizing depth and timing of |                                                                                                                                                                                                                                                                                                                                                                                                        |

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| withdrawals.                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/> 21. Land Use Management: Includes land use controls to manage, minimize, or control activities that may negatively affect the quality and availability of groundwater and surface waters, natural resources, or endangered or threatened species.                              |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input checked="" type="checkbox"/> 22. Urban Runoff Management: Includes strategies for managing or controlling urban runoff, including intercepting, diverting, controlling, or managing stormwater runoff or dry season runoff.                                                                      | Implementation of this project includes a dry weather diversion at the Avenida de la Playa outfall and increased capacity of the upstream MS4. These upgrades are critical to minimizing the impacts of urban runoff on the resources of the ASBS during both dry and wet weather conditions and represent a key step in managing the unique characteristics of the ASBS required by recent state regulations. |
| <input type="checkbox"/> 23. Urban Water Use Efficiency: Increasing water use efficiency by achieving reductions in the amount of water used for municipal, commercial, industrial, irrigation, and aesthetic purposes. Includes incentives, public education, and other efficiency-enhancing programs. |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/> 24. Water Transfers: Contracting to provide additional outside sources of imported water to the Region over and above contracted State Water Project and Colorado River supplies                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/> 25. Recreation & Public Access: Enhancing and protecting water-dependent recreational opportunities and public access to recreational lands.                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input checked="" type="checkbox"/> 26. Watershed Management & Planning: Comprehensive management, protection, and enhancement of groundwater and surface waters, natural resources, and habitat                                                                                                        | Because of unique biological and habitat characteristics, the La Jolla ASBS is protected by stringent requirements enforced by the SWRCB, including special protections for water quality & site-specific pollution prevention plans. The proposed project is a key element in meeting these requirements and will be used for planning & management of the ASBS in local, regional & state management plans.  |
| <input checked="" type="checkbox"/> 27. Stakeholder/Community Involvement: Strategies to involve stakeholders in water resources planning or management activities, including public outreach and education.                                                                                            | The City of San Diego this project includes involvement of Groundwork San Diego Coastkeeper along with partnerships with San Diego City Schools to coordinate and implement their education and outreach throughout the watershed. Community planning boards along with commercial stakeholder groups will be engaged and informed of the project development, goals, potential impacts and implementation     |
| <input checked="" type="checkbox"/> 28. Water Resources Data Collection & Management: Includes collection, analysis, and management of water resources data to support regional water management activities.                                                                                            | Because of the stringent nature of the water quality monitoring required for the ASBS, the Avenida de la Playa project will be monitored for a suite of biological and chemical constituents before and after construction to test project effectiveness. The data will be incorporated into local, regional, and state databases used to manage the La Jolla ASBS and others across the state.                |
| <input checked="" type="checkbox"/> 29. Enhance Scientific and Technical Knowledge: Includes technical and scientific analysis to support regulatory compliance issues and options, regional coordination, and compliance.                                                                              | Water quality monitoring data will be used to test project effectiveness in eliminating dry weather flows to the ASBS and reducing pollutant concentrations during wet weather. The monitoring data will be used to address compliance with the Special Protections, required by the SWRCB for all ASBS. The data will also be used to address regional impacts to other ASBS in the region.                   |
| <input type="checkbox"/> 30. Salt & Salinity Management: Strategies to manage salt loading within surface and groundwater supplies, including basin planning                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                |

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| efforts.                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/> 31. Other                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Statewide Priorities - Select All That Apply</b>                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Provide One Sentence Description of How Project Implements Statewide Priority</b>                                              |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/> 32. Drought Preparedness                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/> 33. Use and Reuse Water More Efficiently                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input checked="" type="checkbox"/> 34. Expand Environmental Stewardship                                                          | Through the City Think Blue program and partners on other project in the watershed such as San Diego Coastkeeper specific educational, outreach volunteer events will be developed and offered through outreach efforts and other communication vehicles (email newsletter, printed materials, interactive website) and community events such as beach cleanup events and street fairs to support stewardship. |
| <input type="checkbox"/> 35. Practice Integrated Flood Management                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/> 36. Protect Surface Water and Groundwater Quality                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Program Preferences - Select All That Apply</b>                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Provide One Sentence Description of How Project Implements Program Preference.</b>                                             |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/> 37. Improve Tribal Water and Natural Resources                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/> 38. Ensure Equitable Distribution of Benefits                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input checked="" type="checkbox"/> 39. Include regional projects or programs                                                     | This project is an essential component of other regional planning efforts, such as the Integrated Regional Water Management Plan (IRWMP) for the San Diego Region, the The La Jolla Shores Coastal Watershed Management Plan as part of the California Ocean Plan, the City's Strategic Plan for Watershed Activity Implementation (Strategic Plan), and UCSD/SIO's Stormwater Management Plan.                |
| <input type="checkbox"/> 40. Effectively integrate water management programs and projects within a DWR-approved region            |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/> 41. Effectively integrate water management with land use planning                                        |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/> 42. Effectively resolve significant water-related conflicts within or between regions                    |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/> 43. Contribute to the attainment of one or more objectives of the CALFED Bay-Delta Program               |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/> 44. Address Statewide Priorities                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/> 45. Address critical water supply or water quality needs for disadvantaged communities within the region |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/> 46. Other (please specify)                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>STAKEHOLDER OUTREACH &amp; PROJECT FEASIBILITY</b>                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                |

| <b>Stakeholder Outreach and Involvement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Describe Public Outreach and Involvement Methods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Throughout the development of the City's draft Strategic Plan for Watershed Activity Implementation (April 2007), which included this project, input from various stakeholders been incorporated into the plan. Stakeholders have included: environmental organizations (e.g., San Diego Coastkeeper, UCSD & La Jolla Town Council ). The City of San Diego "Think Bue" program will continue to engage community groups and residences with a variety of media and events before, during construction & design. |
| 2. Elaborate on Outreach Methods Used to Reach Disadvantaged/Environmental Justice Communities                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Overall Project Benefits and Impacts</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 3. Description of Overall Project Benefits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | the project will improve stormwater management in the Avenida de la Playa drainage area to reduce flooding and flood damages as well as improve water quality. The benefits of this project are: •Increase capacity of the storm drain system •Reduce flooding and related damages •Improve the capacity of and design of the beach outfall to prevent sand and trash blockages from occurring •Improve stormwater quality •Prevent dry weather nuisance discharges to the ASBS                                  |
| 4. Description of Overall Project Impacts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | There may be noise and dust impacts associated with construction which may impact the businesses along Avenida de Playa . There will also be local and beach accessibility and traffic impacts to the community in and during construction of the various phases of the project which will be addressed in the MND.                                                                                                                                                                                              |
| <b>Disadvantaged and Environmental Justice Communities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <input type="checkbox"/> A DAC is a community with an annual Median Household Income (MHI) that is less than 80% of the statewide annual MHI. The statewide MHI for the year 2000 was \$46,000. Therefore, communities with a MHI of \$37,520 (80% of \$46,000) are considered DACs. Please see <a href="#">San Diego's Region Acceptance Process Application, Section 3</a> for a table/map of economically disadvantaged census tracts within the region.5. Description of How the Project Benefits Disadvantaged / Environmental Justice Communities |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 6. Description of Any Potential Impacts to Disadvantaged / Environmental Justice Communities                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Project Photos/Maps</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 7. Upload Project Photos and Maps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">[x]AldP looking West at Caminio Del Oro 1-19-2010.jpg(3.34MB)</a> <a href="#">[x]AldP looking southeast at Outfall.jpg(3.04MB)</a> <a href="#">[x]AldP looking East at Caminio Del Oro 1-19-2010.jpg(3MB)</a> <a href="#">[x]ASBS 29 &amp; 31 With Drainage.pdf(376.61KB)</a>                                                                                                                                                                                                                        |
| <b>Environmental Compliance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 8. List Regulatory Permit(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Mitigated Negative Declaration Coastal Development Permit Site Development Permit Clean Water Act Section 404 from U.S. Army Corps of Engineers                                                                                                                                                                                                                                                                                                                                                                  |
| 9. List CEQA/NEPA Document(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | California Environmental Quality Act (CEQA) -Mitigated Negative Declaration. The Project would require a City CDP/SDP for work within the Sensitive Coastal Overlay, and a Mitigated Negative Declaration (MND) concurrently processed. Because work is expected to occur within the mean high tide line (navigable waters of US), an Army Corps 404 permit and other regulatory permits (CDFG, RWQCB) .                                                                                                         |
| <b>Feasibility Documentation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 10. List Feasibility Study(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Weston Solutions -ASBS Stormwater Sediment Evaluation – Phase II TetraTech Preliminary Drainage Analysis TetraTech Stormwater Pipe Preliminary Analysis TetraTech Avenida de la Playa Stormwater Alternative Analysis                                                                                                                                                                                                                                                                                            |
| 11. Describe Need for Project (1-2 paragraphs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | The flooding on Avenida de Playa results from an undersized storm drain system that is unable to adequately convey peak flow from even a 1-year design storm and from the limited capacity and design of the discharge outfall. Local businesses and residences are significantly impacted by the flooding.                                                                                                                                                                                                      |

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| <b>Project Schedule</b>                                                                                                                                                                                           |                                                                                                         |                         |
| 12. Planning                                                                                                                                                                                                      | Start Date: 10/01/2008                                                                                  | Finish Date: 05/15/2009 |
| 13. Design/Engineering                                                                                                                                                                                            | Start Date: 05/18/2009                                                                                  | Finish Date: 10/04/2010 |
| 14. Environmental Documentation                                                                                                                                                                                   | Start Date: 05/18/2009                                                                                  | Finish Date: 02/29/2012 |
| 15. Construction                                                                                                                                                                                                  | Start Date: 10/01/2012                                                                                  | Finish Date: 05/24/2013 |
| <b>Project Budget</b>                                                                                                                                                                                             |                                                                                                         |                         |
| 16. Estimated Maximum Project Cost                                                                                                                                                                                | \$4,200,205.00                                                                                          |                         |
| 17. Estimated Minimum Project Cost                                                                                                                                                                                | \$4,207,470.00                                                                                          |                         |
| 18. Grant Funds Requested                                                                                                                                                                                         | \$1,803,361.00                                                                                          |                         |
| 19. Estimated Local Match Amount                                                                                                                                                                                  | \$2,204,109.00                                                                                          |                         |
| 20. Describe Match Type                                                                                                                                                                                           | City of San Diego General Fund, City of San Diego Watershed CIP funds EPA STAG Grants Nos.: XP-97998201 |                         |
| 21. Annual Operations & Maintenance Cost                                                                                                                                                                          | \$5,500.00                                                                                              |                         |
| <b>Project Eligibility</b>                                                                                                                                                                                        |                                                                                                         |                         |
| 22. For urban water suppliers only: In compliance with Urban Water Management Plan (UWMP) Act?                                                                                                                    | Yes                                                                                                     |                         |
| 23. For urban water suppliers only: In compliance with AB1420?                                                                                                                                                    | Yes                                                                                                     |                         |
| 24. For groundwater management or recharge projects only: In compliance with a Groundwater Management Plan?                                                                                                       |                                                                                                         |                         |
| <b>IRWM PLAN METRICS</b>                                                                                                                                                                                          |                                                                                                         |                         |
| <b>Contribution to IRWM Plan Metrics</b>                                                                                                                                                                          |                                                                                                         |                         |
| <b>Provide One Sentence Description of How Project Contributes to IRWM Plan Metrics</b>                                                                                                                           |                                                                                                         |                         |
| <b>Objective A: Maximize stakeholder/ community involvement and stewardship.</b>                                                                                                                                  |                                                                                                         |                         |
| 1. Target 1. Develop by 2009 a regional IRWM website to provide centralized public access to water management data and information. Completed. The <a href="#">San Diego IRWM</a> website was kicked off in 2007. |                                                                                                         |                         |
| <input type="checkbox"/> 2. Target 2. Develop by 2008 and implement by 2010 regional approaches to water management education.                                                                                    |                                                                                                         |                         |
| <input type="checkbox"/> 3. Target 3. Conduct water management outreach and solicit input from 2% of Region's population each year, including underserved and disadvantaged communities.                          |                                                                                                         |                         |
| <input type="checkbox"/> 4. Target 4. Provide 'hands-on' stewardship opportunities in the Region's watersheds to 1% of Region's population each year, including underserved and disadvantaged communities.        |                                                                                                         |                         |
| <b>Objective B: Effectively obtain, manage, and assess water resource data and information.</b>                                                                                                                   |                                                                                                         |                         |
| <input type="checkbox"/> 5. Target 1. Develop standards for the integration and assessment of water management data and                                                                                           |                                                                                                         |                         |

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| information by 2010.                                                                                                                                                                                |  |
| <input type="checkbox"/> 6. Target 2. Provide centralized public access to key water management data sets by 2010.                                                                                  |  |
| <b>Objective C: Further scientific and technical foundation of water management.</b>                                                                                                                |  |
| <input type="checkbox"/> 7. Target 1. By 2010, develop an agreed-upon system and metrics for tracking the progress of Basin plan validation efforts through coordination with Regional Board staff. |  |
| <input type="checkbox"/> 8. Target 2. Conduct water quality assessment for beneficial use attainment within 75 percent of surface waters by 2015.                                                   |  |
| <input type="checkbox"/> 9. Target 3. Assess and validate Basin Plan beneficial uses and water quality objectives for the Region's watersheds by 2017.                                              |  |
| <input type="checkbox"/> 10. Target 4. By 2013, develop an agreed-upon system and metrics for tracking groundwater assessment information.                                                          |  |
| <input type="checkbox"/> 11. Target 5. By 2015, develop an agreed-upon system and metrics for evaluating ocean water quality and marine habitat.                                                    |  |
| <b>Objective D: Develop and maintain a diverse mix of water resources.</b>                                                                                                                          |  |
| <input type="checkbox"/> 12. Target 1. Increase water conservation savings from about 51,090 AFY in 2006 to at least 79,960 AFY by 2010 and 108,400 AFY by 2030.                                    |  |
| <input type="checkbox"/> 13. Target 2. Increase seawater desalination capability within the region from zero AFY to 34,690 AFY by 2015.                                                             |  |
| <input type="checkbox"/> 14. Target 3. Increase recycled water use from about 14,830 AFY in 2006 to 33,670 AFY by 2010 and 47,580 AFY by 2030.                                                      |  |
| <input type="checkbox"/> 15. Target 4. Increase groundwater supply within the Water Authority service area from about 14,960 AFY in 2006 to 28,580 AFY by 2010 and 31,180 AFY by 2030.              |  |
| <input type="checkbox"/> 16. Target 5. Implement Colorado River conservation and transfer programs, increasing deliveries from 35,000 AFY in 2006 to 277,700 AFY by 2030.                           |  |
| <input type="checkbox"/> 17. Target 6. Include an analysis in the Water Authority 2010 Urban Water Management Plan that assesses the effect of climate change on future water supplies.             |  |
| <input type="checkbox"/> 18. Target 7. Develop and implement regional drinking water                                                                                                                |  |

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| source protection guidelines for the Region by 2012.                                                                                                                                                                        |  |
| <input type="checkbox"/> 19. Target 8. Meet groundwater supply and water quality objectives identified in the County's General Plan 2020 for groundwater-dependent communities by 2012.                                     |  |
| <b>Objective E: Construct, operate, and maintain a reliable infrastructure system.</b>                                                                                                                                      |  |
| <input type="checkbox"/> 20. Target 1. Develop facilities and manage supplies to ensure adequate emergency and carry-over deliveries.                                                                                       |  |
| <input type="checkbox"/> 21. Target 2. Increase local treatment of imported and local surface waters from 597 mgd to 860 mgd in 2010 and 920 mgd in 2030.                                                                   |  |
| <input type="checkbox"/> 22. Target 3. Develop the conveyance facilities necessary to deliver a reliable supply and assure adequate resources to maintain existing conveyance system                                        |  |
| <input type="checkbox"/> 23. Target 4. Develop the infrastructure needed to support the targets identified for developing recycled water, desalination, and groundwater supplies.                                           |  |
| <b>Objective F: Reduce the negative effects on waterways and watershed health caused by hydromodification and flooding.</b>                                                                                                 |  |
| <input type="checkbox"/> 24. Target 1. Develop and implement regional standards for Low Impact Development (LID) practices by 2010.                                                                                         |  |
| <input type="checkbox"/> 25. Target 2. Develop and implement regional approaches to hydromodification management by 2010.                                                                                                   |  |
| <input type="checkbox"/> 26. Target 3. By 2010, implement a system to track rates of change in area of impervious surfaces regionally.                                                                                      |  |
| <b>Objective G: Effectively reduce sources of pollutants and environmental stressors.</b>                                                                                                                                   |  |
| <input type="checkbox"/> 27. Target 1. Implement Total Maximum Daily Loads (TMDLs) according to established schedules.                                                                                                      |  |
| <input type="checkbox"/> 28. Target 2. Reduce or avoid the need for TMDLs by monitoring and managing impacts to receiving waters, with an emphasis on 303(d)-listed water bodies and other Environmentally Sensitive Areas. |  |
| <input type="checkbox"/> 29. Target 3. Develop by 2012 a regional management plan for Total Dissolved Solids (TDS).                                                                                                         |  |
| <input type="checkbox"/> 30. Target 4. Develop and implement comprehensive source management strategies to address regionally-significant constituents (e.g., pathogens, nutrients, sediments).                             |  |

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| <input type="checkbox"/> 31. Target 5. Reduce the frequency of sanitary sewer overflows in excess of 1,000 gallons from 180 overflows per year in 2005 to 120 overflows per year in 2012.                                     |  |
| <input type="checkbox"/> 32. Target 6. Reduce the volume of sanitary sewer overflows per mile of collection system.                                                                                                           |  |
| <b>Objective H: Protect, restore and maintain habitat and open space.</b>                                                                                                                                                     |  |
| <input type="checkbox"/> 33. Target 1. Conserve by 2012 a minimum of 10,000 acres of habitat and open space, including functional riparian habitat and associated buffer habitat, and functional wetland habitat.             |  |
| <input type="checkbox"/> 34. Target 2. Restore by 2012 a minimum of 1,000 acres of habitat and open space, functional riparian habitat and associated buffer habitat, and functional wetland habitat.                         |  |
| <input type="checkbox"/> 35. Target 3. Remove and control a minimum of 1,000 acres of non-native invasive plants by 2012.                                                                                                     |  |
| <input type="checkbox"/> 36. Target 4. Monitor, manage, control, and prevent establishment of nuisance aquatic species in the Region.                                                                                         |  |
| <b>Objective I: Optimize water-based recreational opportunities.</b>                                                                                                                                                          |  |
| <input type="checkbox"/> 37. Target 1. Develop 200 acres of water-based recreational open space that focuses on underserved areas and ensures equal access for disadvantaged communities.                                     |  |
| <input type="checkbox"/> 38. Target 2. By 2015 provide 20 new public access points (boat launch facilities, fishing floats or piers, swim beaches, trails, stairs, parking areas, or similar) to recreational surface waters. |  |