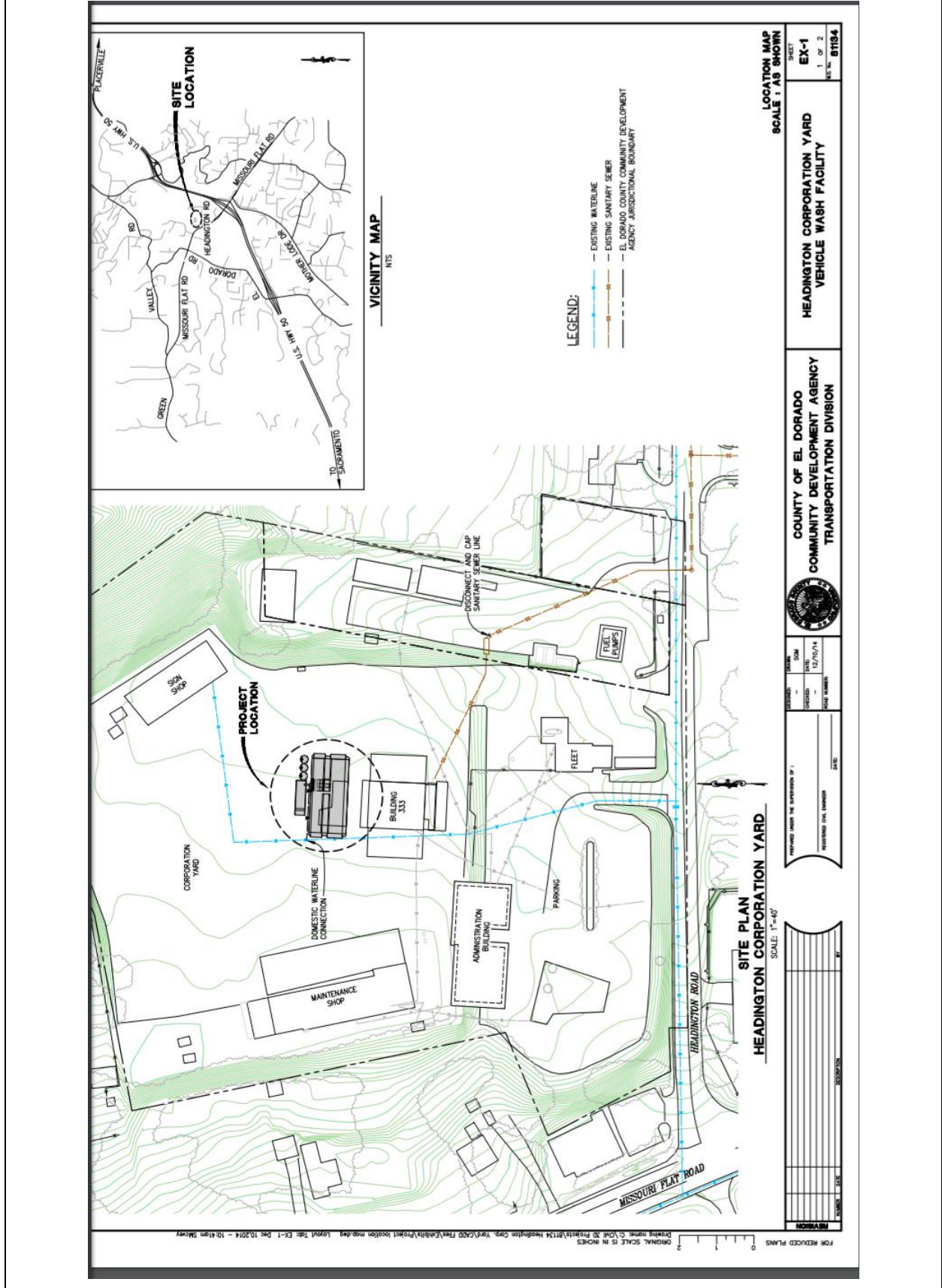


Project Description Form

Project/Program Name		<i>Headington Wash Rack Facility Project</i>	
Responsible Agency		<i>County of El Dorado – Department of Transportation (DOT)</i>	
Partner Agency(ies)		<i>TBD</i>	
Net Yield	Normal Year: <i>NA</i>	Wet Year: <i>NA</i>	Dry Year: <i>NA</i>
Estimated Cost	Capital: <i>\$650,000</i>	O&M: <i>\$325/Month (includes Power, Consumables, L&E Maintenance, Replacement Costs)</i>	Energy: <i>\$35,000 (included in Capital Costs)</i>
Unit Cost	<i>NA</i>		
Site Coordinates	Latitude: <i>38.715862</i>	Longitude: <i>-120.841663</i>	
Description			
<p>The Headington Wash Rack Facility Project is a project to construct a wash and maintenance facility for the County of El Dorado to use for maintaining the county’s vehicles and equipment. The project consists of constructing an enclosed building that houses a contained wash system that automatically treats and reuses the wash water for vehicle and equipment cleaning and maintenance. The project proposes to greatly reduce the use of potable water provided by EID through both the reuse of the treated cleaning water and utilizing rain tanks for rainwater storage through the dry months. The project also proposes to disconnect the facility from the sewer by reusing the discharge water also reducing the wash water and waste water discharges to the sewer. Finally, the project proposes to increase effective water quality and storm water management at the facility by enclosing and containing pollutant sources and pollutant generating activities (i.e. washing and stored materials) from potential contact with storm water and by reducing site runoff through the implementation of water conservation activities (i.e. use of rain tanks).</p>			
Component			
Stormwater Management			
Potential Challenges			
<p><i>(List challenges in bullets)</i></p> <ul style="list-style-type: none"> • <i>Funding</i> • <i>Coordination with all involved parties and schedule sensitivity</i> 			
Conceptual GIS Map of Site			
<p>The CDA maintains an interactive map depicting the location of projects in the TFIP program, located at http://gem.edcgov.us/cip. This project can be looked up with the following title: 81134 Headington Wash Rack Facility Project. A map is attached from the following presentation: http://www.water.ca.gov/waterenergygrant/2014Applications/County%20of%20El%20Dorado%20(201418760090)/Attachment%203%20-%203 WE14 EDC Work%20Plan 2ofTotal2.pdf</p>			



Purpose(s)		Key Stakeholders																				
<input checked="" type="checkbox"/> Improve in-stream water quality <input type="checkbox"/> Improve health of local watersheds <input checked="" type="checkbox"/> Improve local water supply reliability <input checked="" type="checkbox"/> Implement & monitor a reliable stormwater system <input type="checkbox"/> Increase climate resilience <input checked="" type="checkbox"/> Increase community awareness for sustainable water		<i>County of El Dorado (DOT, maintenance, Animal Control, Fleet, etc.)</i>																				
Stage of Development																						
<input type="checkbox"/> Conceptual <input type="checkbox"/> Planning <input type="checkbox"/> Pre-Design <input checked="" type="checkbox"/> Design <input checked="" type="checkbox"/> Construction <input type="checkbox"/> Other																						
Project is currently designed and shelf ready for advertisement to bid. Pending funding approval for construction.																						
Expected Project Timeline	Currently shelf ready for advertisement to Bid – awaiting Funding Approval.																					
Project Triggers	The project currently has an approved CEQA document and holds approved building permits with sign off by the applicable utility agencies and fire department. If the necessary funding approvals do not occur in 2017 for final construction in 2018, the project is at risk of needing to go back through the sign off process and attain new building permits. This process is both very costly and greatly increases schedule.																					
Potentially Applicable Federal and State Programs for Technical and Financial Assistance																						
<ul style="list-style-type: none"> • Water Conservation Programs • Water – Energy Grants • Storm water Quality Grants 																						
Stormwater Multi-Benefits (per SWRP Guidelines Table 4):																						
■ Primary ■ Opportunity (highlight applicable cells and provide justification below table)																						
<table border="1"> <thead> <tr> <th>Benefit Category</th> <th>Main Benefit</th> <th>Additional Benefit</th> </tr> </thead> <tbody> <tr> <td rowspan="2"> Water Quality <i>while contributing to compliance with applicable permit and/or TMDL requirements</i> </td> <td rowspan="2"> Increased filtration and/or treatment of runoff </td> <td>Nonpoint source pollution control</td> </tr> <tr> <td>Reestablished natural water drainage and treatment</td> </tr> <tr> <td rowspan="2"> Water Supply <i>through groundwater management and/or runoff capture and use</i> </td> <td>Water supply reliability</td> <td rowspan="2">Water conservation</td> </tr> <tr> <td>Conjunctive use</td> </tr> <tr> <td>Flood Management</td> <td>Decrease flood risk by reducing runoff rate and/or volume</td> <td>Reduced sanitary sewer overflows</td> </tr> <tr> <td rowspan="3">Environmental</td> <td rowspan="2"> Environmental and habitat protection and improvement including: -Wetland enhancement/creation; -Riparian enhancement; and/or -Instream flow improvement </td> <td>Reduced energy use, GHG emission, or provides a carbon sink</td> </tr> <tr> <td>Reestablishment of the natural hydrograph</td> </tr> <tr> <td>Increased urban green space</td> <td>Water temperature improvements</td> </tr> </tbody> </table>			Benefit Category	Main Benefit	Additional Benefit	Water Quality <i>while contributing to compliance with applicable permit and/or TMDL requirements</i>	Increased filtration and/or treatment of runoff	Nonpoint source pollution control	Reestablished natural water drainage and treatment	Water Supply <i>through groundwater management and/or runoff capture and use</i>	Water supply reliability	Water conservation	Conjunctive use	Flood Management	Decrease flood risk by reducing runoff rate and/or volume	Reduced sanitary sewer overflows	Environmental	Environmental and habitat protection and improvement including: -Wetland enhancement/creation; -Riparian enhancement; and/or -Instream flow improvement	Reduced energy use, GHG emission, or provides a carbon sink	Reestablishment of the natural hydrograph	Increased urban green space	Water temperature improvements
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Community	Employment opportunities provided	Community involvement
	Public education	Enhance and/or create recreational and public use areas
<p>(##) List details supporting why this project will achieve the highlighted benefit.</p> <p>This project will achieve the listed benefits since it will eliminate sewer discharges and nearly eliminate domestic water needs. Overall, this project was created to replace and improve the existing uncovered wash rack for County fleet vehicles, thereby eliminating runoff and sewer discharges, decreasing use of domestic water for equipment maintenance and greatly improving water quality and environmental impacts. Water supply reliability will be accomplished in this project because the rain storage tank will be used for water needs. Overall, the EID service area will benefit. Project will also provide job opportunities.</p>		
Project Included in IRWM:	<input type="checkbox"/> Yes, which one _____ <input type="checkbox"/> No, explain _____	
Project Benefits a DAC/EDA¹:	<input type="checkbox"/> Yes, which one _____ <input type="checkbox"/> No	
CEQA Compliance:	<input checked="" type="checkbox"/> Yes, explain _____ <input type="checkbox"/> No, explain _____	
Contact Person(s):		
Jon Balzer, Senior Civil Engineer, jon.balzer@edcgov.us		
Key References:		
References		
Supplemental Information (e.g., Project Webpage or equivalent):		
Project webpage, as applicable		

¹DAC = Disadvantaged Communities
EDA = Economically Distressed Area