

A. Identification and Coding Information

1. Project Number	Agency Number	Update Code
093801	W-138.02	Change

2. Date: October 1, 2008
Revised: January 21, 2009

7. Pre PDF Pg.No.: 8. Req. Adeq. Pub. Fac.

3. Project Name: Shady Grove Standpipe Replacement

5. Agency: **WSSC**

4. Program: **Sanitation** 6. Planning Area: Gaithersburg & Vicinity P.A. 20

B. Expenditure Schedule (000's)

Cost Elements	(8) Total	(9) Thru FY '08	(10) Estimate FY '09	(11) Total 6 Years	(12) Year 1 FY '10	(13) Year 2 FY '11	(14) Year 3 FY '12	(15) Year 4 FY '13	(16) Year 5 FY '14	(17) Year 6 FY '15	(18) Beyond 6 Years
Planning, Design & Supervision	515		124	391	70	178	143				
Land											
Site Improvements & Utilities											
Construction	6,180			6,180	190	4,500	1,490				
Other	1,004		19	985	39	701	245				
Total	7,699		143	7,556	299	5,379	1,878				

C. Funding Schedule (000's)

WSSC Bonds	7,699		143	7,556	299	5,379	1,878				
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D. Description & Justification

DESCRIPTION

This project provides for planning, design, and construction of up to 3 million gallons (MG) of elevated storage to replace the existing Shady Grove Standpipe. This is in lieu of extensive and costly maintenance for the existing facility which, because of the large volume of unusable storage inherent in a standpipe as opposed to an elevated facility, contributes to water quality problems such as loss of disinfectant residual and increases in undesirable disinfectant by-products.

Service Area Montgomery High Pressure Zone HG660

Capacity 3.0 MG

JUSTIFICATION

Plans & Studies

Water Storage Volume Criteria Report (November 2005); 2006 Water Production Projections; WSSC Memorandum dated May 7, 2007, from Karen Wright, Systems Control Group Leader; WSSC Memorandum dated May 24, 2007, from Tim Hirrel, Planning Group.

Specific Data

The existing 5 million gallon standpipe is in need of extensive repairs estimated to cost approximately \$2 million. Replacing the standpipe with a smaller elevated storage facility will provide the same level of service while helping to meet new USEPA regulations for disinfectant by-products and improving water quality.

Cost Change

Costs were increased for inflation.

STATUS Planning

OTHER

The project scope has remained the same. Expenditures shown in Block B are an Order of Magnitude estimate and may increase as the project proceeds.

COORDINATION

Maryland State Highway Administration, Montgomery County Government and Maryland-National Capital Park & Planning Commission.

NOTE This project supports 100% System Improvement.

E. Annual Operating Budget Impact (000's) FY of Impact

Program Costs	Staff	
	Other	
Facility Costs	Maintenance	
	Debt Service	671	13
Total Costs		671	13
Impact on Water or Sewer Rate.....		1¢	13

F. Approval and Expenditure Data (000's)

Date First in Capital Program	FY 09
Date First Approved	FY 09
Initial Cost Estimate	7,475
Cost Estimate Last FY	7,475
Present Cost Estimate	7,699
Approved Request, Last FY	138
Total Expenditures & Encumbrances	
Approval Request FY 10	299
Supplemental Approval Request Current FY (09)	

G. Status Information

Land Status: Not Applicable
% Project Completion: P-0%
Est. Completion Date: FY 2012

H. Map Map Reference Code:



9-153