

Attachment 4

FY 2005 CIP PROJECT ACCOMPLISHMENTS

Major CIP project accomplishments during FY 2005 listed in order of status from projects completed to those in the planning stage:

Construction Completed

- Building and Site Improvements at the Rickman Farm Horse Park
- Crystal Rock Trail
- Black Hill Maintenance Yard
- Kings Crossing Local Park (West Germantown Development District)
- Lighting Upgrade to Field No. 1 at Olney Manor Park
- Long Branch Stream Restoration
- Playground Renovation at Fifteen Parks
- Resurfacing of Sligo Creek Parkway from Colesville Road to Dennis Avenue
- Resurfacing of Beach Drive between Stoneybrook and Connecticut
- Rockwood Manor Roof Replacement
- Meadowbrook Stables Riding Rings
- Becca Lilly Temporary Pedestrian Bridge
- Olney Manor Maintenance Yard Covered Bins
- Little Falls Parkway Bridge Deck Replacement
- On-site Water and Sewer Mains serving Woodlawn Cultural Park
- Stormwater Management Retrofit at Long Branch – Wayne Avenue Local Park
- Stream Protection Projects in Gunners Branch, Little Falls, and Paint Branch
- NPDES Compliance Measures at Olney Manor Park Maintenance Yard

Construction Underway:

- Jesup Blair Park Renovation
- Montgomery Village Local Park
- Equestrian Trails and Greenberg Parking Lot at Woodstock Equestrian Park
- Retrofit of two Stormwater Management Ponds in Muddy Branch SVP
- National Capital Trolley Museum Sitework and Car Barn
- Stabilization of Joseph White House
- Meadowbrook Maintenance Yard Covered Storage Bins
- Playground Renovation at Three Parks

Design & Permitting Completed:

- Cross Creek Local Park Parking Lot
- Concord Local Park Renovation

21
#

- Ray's Meadow Retaining Wall and Drainage Improvements
- Meadowbrook Maintenance Yard SWM Retrofit
- Resurfacing Carderock Springs Drive and Elmhirst Parkway
- Ovid Hazen Wells Recreational Park
- Olney Manor Skate Park
- Lighting Upgrades to Fields 2-5 at Olney Manor Park
- Paint Branch Stream Protection Project

Design and Permitting Underway:

- Phases 1, 2, and 3 of Matthew Henson Trail
- Rock Creek Trail Pedestrian Bridge at Susanna Lane
- Rickman Farm Horse Park Parking Lot and Riding Ring
- Repairs to Sligo Creek Parkway Retaining Walls
- Rock Creek Trail Pedestrian Bridge over Veirs Mill Road
- East Norbeck Local Park Renovation
- Brookside Gardens Irrigation Upgrades
- Winding Creek Local Park Renovation
- Hoyles Mill Village Local Park (West Germantown Development District)
- Structural Stabilization of Woodlawn Barn
- Broad Acres Local Park Renovation
- Pope Farm Nursery Utilities Upgrade
- Playground Renovation at Five Parks
- Becca Lilly Pedestrian Bridge Replacement
- Cloverly Local Park Parking Lot Expansion
- Gunners Branch & Little Falls Stream Protection
- Olney Square Local Park Parking Lot Addition
- Stormwater Management Retrofit at Hunters Woods and University Boulevard / Kemp Mill Pond

Facility Plans Completed

- Germantown Town Center Urban Park (New)
- Elmhirst Parkway Playground (Replacement)

Facility Plans or Planning Studies Underway:

- Takoma Piney Branch Local Park Renovation
- Greenbriar Local Park (New)
- North Four Corners Local Park (New and Renovation)
- Trail Connector Analysis (New)
- Magruder Branch Trail (New)
- Rock Creek Regional Park Water and Sewer System Rehabilitation
- Falls Road Local Park Expanded Parking (New)
- Lake Needwood Dredging Analysis
- Evans Parkway Local Park Renovation
- Darnestown Square Urban Park
- Stream Restoration at Sligo Creek and Northwest Golf Courses

22

3-

M-NCPPC



MONTGOMERY COUNTY DEPARTMENT OF PARK AND PLANNING

THE MARYLAND-NATIONAL CAPITAL
PARK AND PLANNING COMMISSION

9500 Brunett Avenue
Silver Spring, Maryland 20901

July 20, 2005

MEMORANDUM

TO: Montgomery County Planning Board

VIA: Mike Riley, Chief, Park Development Division (PDD) *MR*
Doug Alexander, Project Management Section Supervisor, PDD *DA*

FROM: Andrew Frank, Project Manager, PDD *(RAF)*

SUBJECT: New PDF for Pollution Prevention and Repairs to Ponds and Lakes

RECOMMENDATION

Staff recommends:

1. Approval to submit a new level-of-effort PDF for \$500,000 annually, titled "Pollution Prevention and Repairs to Ponds and Lakes" for consideration in the FY 2007 – 2012 CIP.
2. Approval to close out PDF #948718, Stormwater Management Structural Rehabilitation, with the understanding that:
 - a. the County will assume responsibility for structural maintenance and repair of all existing and future Water Quality Protection Charge (WQPC) eligible stormwater management (SWM) facilities on park property effective FY 2007; and
 - b. repairs and renovation to non-WQPC eligible ponds and lakes will be funded from the new PDF.
3. Approval to close out PDF #958758, Stormwater Management Discharge Control, with the understanding that any future capital projects required to implement Stormwater Pollution Prevention Plans (SWPPPs) to comply with the National Pollutant Discharge Elimination System (NPDES) regulations will be funded from the new PDF.

Existing Programs

PDF #948718, Stormwater Management Structural Rehabilitation, provides funding to maintain stormwater management ponds eligible for WQPC funding. PDF #958758, Stormwater Management Discharge Control, provides funding to bring our park maintenance yards (MY) into compliance with the existing NPDES "General Discharge Permit for Stormwater Associated with Industrial Facilities, Permit No. 02-SW" issued by the Maryland Department of the Environment (MDE).

STORMWATER MANAGEMENT STRUCTURAL REHABILITATION PROGRAM

Background

SWM facility maintenance projects are funded through the SWM Structural Rehabilitation program that was created in the early 1980's to address ongoing structural maintenance, dredging, and retrofitting of all existing pond facilities on M-NCPPC property.

M-NCPPC received numerous SWM facilities throughout the 70's and 80's associated with residential developments through dedication of parkland as part of the subdivision process. Additionally, there are a variety of existing farm ponds, lakes, constructed wetlands, irrigation ponds, recreational ponds, nature ponds, and historic dams that exist on M-NCPPC property.

All of these facilities require regular aesthetic maintenance, tri-annual inspection, and periodic rehabilitation to maintain their function and structural integrity. The Park Development Division (PDD) has made significant efforts to locate and document these facilities and developed a database to help track the status of each facility. Based on the results of field inspections, rehabilitation projects are prioritized for design, permitting, and construction.

In 2001, the County implemented the Water Quality Protection Charge (WQPC) program, which funds the structural maintenance of SWM facilities (including ponds, sand filters, biofiltration facilities, infiltration trenches, underground structures, oil-grit separators, flow splitters, etc.) throughout the County. Since M-NCPPC owns a large number of SWM facilities serving both off-site residential and developed park areas, the funding source for the SWM Structural Rehabilitation program was changed from GO Bonds to fees collected through the WQPC program.

Through coordination with Montgomery County Department of Environmental Protection (MCDEP), a MOU was developed which altered the program's focus towards rehabilitating the existing ponds and other types of SWM facilities to gain inclusion into the County's long-term structural maintenance program. The aim for the park system

was that once all of the park facilities were upgraded, M-NCPPC would no longer receive WQPC funding since the County would have all of the structural maintenance responsibility. However, the WQPC program sets restrictive limits on what type of facilities can receive funding, which created a funding gap for the existing M-NCPPC facilities that do not fall within the guidelines for the program.

To date, M-NCPPC has identified between 60 and 70 existing ponds that fall into this category (not eligible for WQPC funding) including farm ponds, lakes, constructed wetlands, irrigation ponds, recreational ponds, nature ponds, and historic dams.

Implementation Strategy

Based on the ongoing coordination with MCDEP, both agency staffs agree that the most efficient manner in which to perform structural maintenance of all SWM facilities is to consolidate this responsibility under one organization, MCDEP. Therefore, we have discussed with MCDEP the possibility of their assuming full responsibility of all SWM facilities on M-NCPPC property in FY07, regardless of whether rehabilitation has occurred. We are actively working with the County to have an agreement in place that formally transfers this structural maintenance responsibility to them by the start of FY07.

While this transfer of responsibility will permit M-NCPPC to close out its current SWM Structural Rehabilitation program at the end of FY06, it leaves the need to reestablish funding for the ongoing rehabilitation for the existing non-WQPC eligible facilities owned by M-NCPPC. This would be accomplished through the establishment of the new PDF.

STORMWATER MANAGEMENT DISCHARGE CONTROL PROGRAM

Background

Capital upgrades at our existing maintenance yards to improve NPDES compliance have been funded out of the Stormwater Management Discharge Control program, which began in FY95. The Department currently operates 17 maintenance yards (MY) that are regulated as "industrial sites" under NPDES because activities, such as the storage of bulk materials and maintenance of equipment and vehicles, have the potential to pollute surface waters.

We have developed and recently updated SWPPPs for each of these sites, which identify potential pollution sources and describes Best Management Practices (BMP) that are to be implemented at each site in order to minimize adverse effects to water quality. BMPs are generally a combination of operational efforts, such as good housekeeping, process changes, routine inspections, or designation of responsible staff, and capital projects, such as covered structures for bulk materials and equipment, vehicle wash areas, or stormwater management ponds. Staff notes that through our coordination with MDE, we believe they are pleased with the proactive approach M-NCPPC has taken on this

program and they generally support the BMPs identified for implementation throughout the park system.

The capital projects are prioritized for design, permitting, and construction based on cost-effective pollution reductions, individual site constraints, and meeting overall program objectives.

The Stormwater Management Discharge Control program for NPDES compliance received funding between FY95 and FY04 for various water quality related upgrades at several maintenance yards. To date, this program has completed approximately \$1.4M worth of capital improvements including equipment storage covers, bulk storage covers, and stormwater BMPs at these facilities. We are currently implementing projects at Meadowbrook MY and Olney Manor MY that will exhaust all remaining funding through this program and no further funding was planned for this PDF. Over the course of this initial work, M-NCPPC staff has identified cost-effective retrofits within the maintenance yards that would both improve water quality and minimize disruption to the vital ongoing operations of these active facilities. As a result, PDD and Natural Resources staff have recently updated the SWPPPs to include refined operational guidelines and capital projects that best fit within the intentions of the General Permit and facility function. At this point, however, the CIP does not allocate additional funding to implement the capital portion of the updated SWPPPs.

Implementation Strategy

With the termination of funding for the Stormwater Management Discharge Control program in FY04, there is a need to identify funding for further implementation of the capital projects identified in the SWPPP for each maintenance yard. Funding for these ongoing capital improvements could be accomplished through the establishment of the new PDF.

NEW PDF

Both of these existing programs share several common threads that tend towards linking them within a single program. Both programs focus on water resource-related issues that would require similar approaches to design, permitting, construction, and maintenance. Both of the programs are geared towards environmental enhancements that are regulated under current state requirements. Also, both of these programs deal with the complicated issue of working on existing infrastructure that is currently in operation and requires significant coordination among M-NCPPC staff and outside agencies.

To address this dual need, staff recommends the creation of a new level-of-effort PDF, funded by GO Bonds, to provide for implementation of capital projects fulfilling the needs described above. The proposed PDF will describe the initial schedule of projects to be completed under this new program with an annual expenditure level of approximately \$500K.

This new PDF will fund these continuing efforts to update and maintain our existing facilities to better meet today's standards and enhance environmental conditions throughout the park system. Please note that one of the first projects scheduled for this PDF will be the preliminary engineering for Lake Needwood dredging. Construction for this project will be requested through a stand-alone PDF in a future CIP cycle.