

Program Name: Flood Protection
Project Name: C-4 Canal Bank Improvements
Project ID: 3600
Lead Agency: South Florida Water Management District
Authority: FEMA/DCA

Strategic Plan Goal(s) Addressed: 3.B.1

Measurable Output(s): Improve conveyance and level of service protection in the C-4 Basin

Project Synopsis:

Sweetwater Flood Protection Berm & Wall: This work involves the construction of a berm and floodwall along the north side of the C-4 Canal from SW 107th Avenue to SW 97th Avenue. The north bank will be raised to a minimum elevation of 8.0 feet (NGVD). This will prevent canal overflows into the city during high canal stages and allow for a pumping system constructed by the city to provide flood protection. The project area is within the C-4 Canal right-of-way from SW 97th Avenue to SW 107th Avenue.

Belen Phase 2 Flood Protection Berm & Wall: This work involves the construction of a berm and floodwall along the north side of the C-4 Canal from SW 130th Avenue to SW 122nd Avenue. The north bank will be raised to a minimum elevation of 8.0 feet (NGVD). This will prevent canal overflows into the adjacent communities during high canal stages and allow for a pumping system being implemented by Miami-Dade County to provide flood protection. The project area is within the C-4 Canal right-of-way from SW 130th Avenue to SW 122nd Avenue.

Palmetto Flood Protection Berm & Wall (a.k.a. Miami-Dade Floodwall): This work involves the construction of a berm and floodwall along the north side of the C-4 Canal from SW 97th Avenue to the Palmetto Expressway. The north bank will be raised to a minimum elevation of 8.0 feet (NGVD). This will prevent canal overflows into the adjacent communities during high canal stages and allow for a pumping system constructed by Miami-Dade County to provide flood protection. This two-mile segment of the Canal from SW 97th Avenue to the Palmetto Expressway was identified as having low top of bank elevations that would need to be improved for the above improvements to be utilized. This two-mile segment has been surveyed to determine the specific areas where a flood protection berm or wall will be needed. This segment of the canal was not originally included in the C-4 Flood Mitigation Plan.

The portion of this project between SW 94th Avenue and SW 92nd Avenue is called the “Quick Start Floodwall” component and construction of this component was completed in January 2012. This component was constructed first, because there were very few right-of-way encroachments along this portion of the canal bank and construction was therefore easily expedited.

C-4 Canal Conveyance Improvements: This work involves dredging/deepening one or more segments of the C-4 Canal. The dredging will increase the conveyance capacity of the C-4 and as a result reduce the extent of flooding along the canal banks during major storm events.

Current Status: The following projects are complete:

- S-25B Forward Pump Station
- S-26 Forward Pump Station
- C-4 Phase 1 Impoundment (G-420 & G-421)
- C-4 Phase 2 Impoundment (G-422)
- Sweetwater Linear Berm and Safety Fence
- Belen Conveyance Improvements (dredging project)
- Belen Phase 1 Floodwall (SW 122nd Ave. to the Florida Turnpike)
- Quick-Start Floodwall (SW 94th Ave. to SW 92nd Ave.)
- Updated C-4 Basin Model

The following projects are scheduled to be completed in the near future (Phase 3):

Belen Phase 2 Flood Protection Berm & Wall (Land acquisition complete)

Design is currently under way with construction scheduled to begin in February 2013 and be completed by January 2014.

Sweetwater Flood Protection Berm & Wall (Land acquisition complete)

Design is currently under way with construction scheduled to begin in May 2013 and to be completed by May 2014.

Palmetto Flood Protection Berm & Wall (a.k.a. Miami-Dade Floodwall) (Land acquisition pending)

Design is scheduled to begin July 2012 with construction scheduled to begin in November 2013 and to be completed by April 2015.

Project Schedule:

Start Date: January 2005
 Finish Date: April 2015

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Planning & Design											
Real Estate											
Construction											

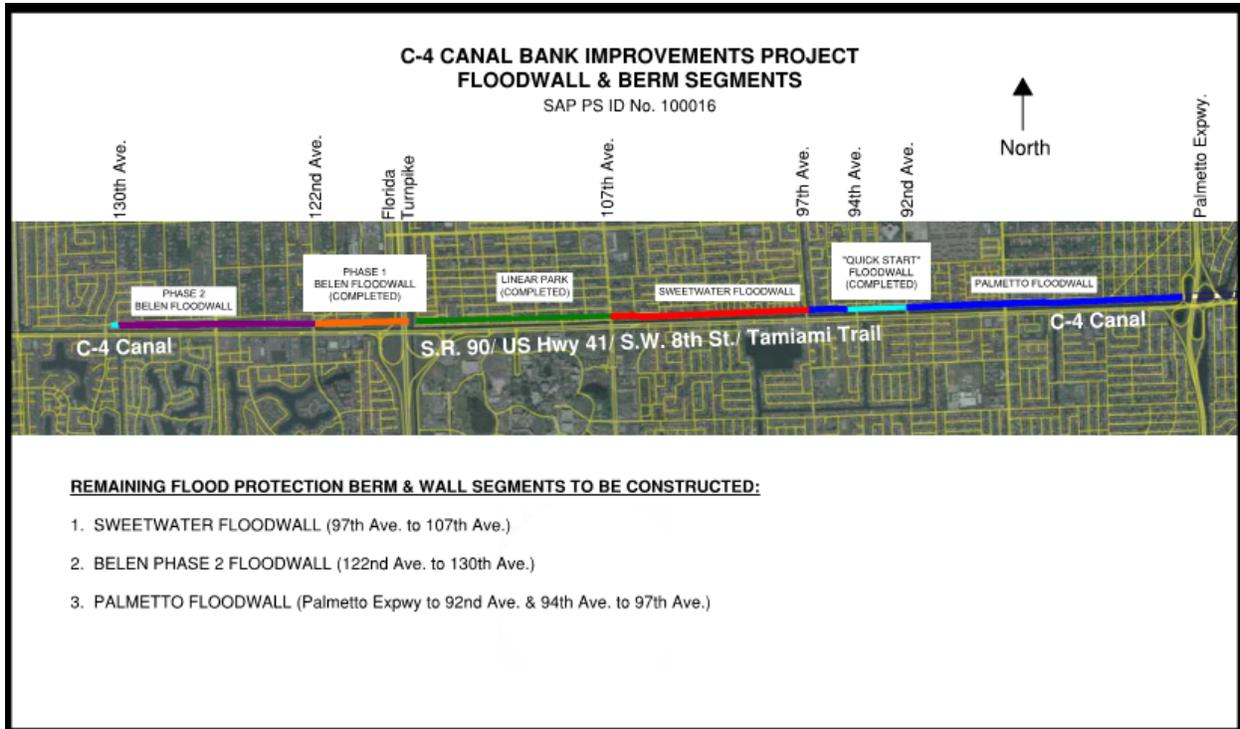
Actual Expenditures To Date by SFWMD

	Exp thru 2006	2007	2008	2009	2010	2011	2012*	2013	2014	2015
Federal	\$185	\$4,083	\$600		\$32,000					
SFWMD			\$14,307	\$10,414	\$111,696	\$508,869	\$351,623			
Total	\$185	\$4,083	\$14,907	\$10,414	\$143,696	\$508,869	\$351,623			

* Updated as of May 8, 2012.

Hyperlink: http://my.sfwmd.gov/portal/page/portal/common/pdf/splash/spl_tamiami_c4.pdf

Contact: Raymond Sciortino, SFWMD



C-4 Canal Floodwall and Berm Segments