

PROJECT WORKSHEET REPORT

DECLARATION NO. FEMA-FL - DR1602

PREPARED DATE 03/22/2010

FIPS NO. 087-36550-00

REPORT DATE 08/19/2010 08:34

APPLICANT NAME KEY WEST, CITY OF

INF TYPE INF
 NON-INF
 REC

SUBDIVISION

FEMA PW # 251 VSN 3 REF# 251MV3

MITIGATION

Check here if effective mitigation is feasible on this project:

Check here if mitigation will be performed on any sites in this project:

Mitigation Policy

List

Hazard Mitigation Proposal

Check here if you would like to automatically include estimate as a line item on the project

Scope of Work

Currently, the mitigation proposal calls for debris guards at storm water inlets that utilize a mounted stiff bristle brush style filter (TD-3 style filter). This filter would block litter and light foliage from entering the storm water system during normal water events but, it is highly unlikely they would perform even this task when subjected to tropical storm conditions. As presently written, the mitigation proposal will not achieve the results needed to deter the infiltration of silt into the storm water system due to tropical storms, which is the largest reason for blockages, since the City is a coastal community. Furthermore, more than half of the inlets identified in the proposal are of the ditch-bottom design, which won't accept the type of product written in mitigation proposal.

Engineers working for the applicant have identified products that will apply to both style storm water inlets used by the City of Key West that will filter sediment and silt from infiltrating the storm water system. Grate inlet Skimmer Boxes manufactured by Suntree Technologies Inc., are designed to slip under the grates, making simple and economical. Additional savings will also be achieved by the elimination of installation costs for the skimmer box units, a savings not obtainable using the TD-3 style filters. The skimmer box filters are drop-in units and force account labor costs will be negligible therefore; labor costs will be entirely deobligated from the mitigation proposal.

The original Mitigation Proposal estimate with the TD-3 Style filters included labor (\$76,963.00) and materials (\$76,963.00) making the total estimated cost \$153,926.00. The new Scope of Work Change Mitigation cost utilizing the Skimmer Boxes for labor (\$0.00) and materials (\$173,057.50) making the total estimated cost \$173,057.50; increasing in Mitigation Proposal cost by \$19,131.50.

Mitigation is cost effective as identified in Appendix A (1.B.1) FEMA Policy number: 9526.1.

ITEM	CODE	MATERIAL AND/OR DESCRIPTION	UOM	QTY	UNIT PRICE	COST
9009	9009	MATERIAL-GRATE INLET SKIMMER BOXES	LS	1	\$173,057.50	\$173,057.50
Total						\$173,057.50