



Santa Rosa County

Board of County Commissioners

Sheila Fitzgerald, Special Projects/Grants Director

6495 Caroline Street, Milton, FL. 32570-4978, Phone (850) 983-1848 / Fax (850) 983-1944

MEMORANDUM

TO: Tony Gomillion

FROM: Sheila Fitzgerald

DATE: March 2, 2016

SUBJECT: Settlers Colony Project Expansion – Grant application Submittal

RECOMMENDATION:

That the board formally approve submittal of the Settlers Colony Project Expansion revised grant application in the total amount of \$5,428,286 to the Florida Division of Emergency Management (DEM) and FEMA for consideration of additional Hazard Mitigation Grant Program (HMGP) funding in the amount of \$4,071,214 under disaster declaration DR 4068 (TS Debby). In addition, the board will commit to matching funds in the amount of \$1,357,072 of which approximately \$138,577 will be expended in fiscal year 2016 and \$1,218,495 will be expended in fiscal years 2017 and 2018.

BACKGROUND

The Settlers Colony neighborhood and surrounding areas have experienced recurring flooding conditions for several years. In the areas south of Highway 98, west of Coronado Drive, east of Naval Live Oaks and north of Bay Street, approximately 75% of the properties have experienced some form of flooding impacts. The following table provides a summary of historical flood impacts.

Settlers Colony and surrounding area		
Description	Parcel Count	Percentage
Elevated structure with prior structural flooding history	24	11.8%
Structural flooding	111	54.7%
Vacant lot (Demolished due to prior flooding)	10	4.9%
Driveway and yard flooding	9	4.4%
No reported flooding	49	24.1%
Total	203	100.0%

As a result of Tropical Storm Debby (2012), Santa Rosa County was able to successfully secure HMGP funding to complete drainage improvements in the general area of Settlers Colony Blvd and Venetian Way, located immediately south of Highway 98. Due to a limited amount of funding, the extent and scope of the project was very limited and efforts were focused on the portion of the neighborhood that had experienced the greatest amount of reoccurring flooding impacts. This project is currently under construction and is expected to be complete in April, 2016.

(continued)

On January 27, 2016, the Florida Division of Emergency Management (DEM) informed the county that additional HMGP funding was available to enhance or expand approved projects obligated from DR 4068 (TS Debby). Specifically, we were encouraged to investigate expansion of the Settlers Colony Drainage project to utilize perishable federal grant funding. At the February 11, 2016 meeting, the board authorized a proposal in the amount of \$39,530 with Pegasus Engineering for services necessary to develop a proposed scope of work expansion for consideration by DEM and FEMA.

Over the last few weeks, Pegasus has worked expeditiously to conduct a preliminary stormwater design including: conducting a detailed field review to inventory existing drainage infrastructure; coordination with county staff and residents to collect documented historical losses; preparing a preliminary drainage basin and problem area exhibit; design and layout of preliminary recommended drainage improvements; and preparation of a preliminary cost estimate. This information has been transmitted to DEM and they have begun an initial technical and environmental review of the information. Pegasus Engineering will provide a formal presentation at the March 7, 2016 meeting and will answer any questions that the Board may have regarding the project scope, need and budget.

NEXT STEPS

If the board authorizes formal submittal of the requested scope of work and budget, and should the proposed improvements meet with DEM and FEMA's approval, DEM will issue a grant agreement modification detailing the authorized scope of work, budget and matching requirement. The modification will be brought back before the Board for authorization. Engineering proposals detailing qualifications will be opened on March 22, 2016 and the board will select one or more engineering firms to complete the design and permitting. We will continue to work as expeditiously as possible to ensure all deadlines are met in order to meet FEMA's construction deadline of April, 2018.



**SETTLERS COLONY DRAINAGE IMPROVEMENTS EXPANSION
SANTA ROSA COUNTY, FLORIDA**

Section 6

**OPINION OF PROBABLE
CONSTRUCTION COST**

The Opinion of Probable Construction Cost was prepared by Pegasus Engineering. The utilized unit costs are averages approximated from prior construction schedules and bid documents prepared by several contractors for recent work performed within the County. The unit prices are considered realistic and reflect current market conditions to the best of Pegasus Engineering's knowledge.

SETTLERS COLONY DRAINAGE IMPROVEMENTS EXPANSION

Conceptual Project Cost Estimate

Item No.	Item Description	Item Qty.	Qty. Unit	Unit Price	Extended Amount
GENERAL					
G-1	Mobilization	1	LS	\$185,000.00	\$185,000
G-2	Survey and Construction Layout	1	LS	\$25,000.00	\$25,000
G-3	As-Built Plans	1	LS	\$25,000.00	\$25,000
G-4	CCTV Inspection of Installed Pipes	1	LS	\$25,000.00	\$25,000
G-5	Utility Relocation/Adjustments	1	LS	\$325,000.00	\$325,000
Subtotal				\$585,000	
SPECIFIC DRAINAGE IMPROVEMENTS					
AQUAMARINE BLVD DRAINAGE IMPROVEMENTS - SYSTEM No. 1					
1-1	Dewatering and Flow Diversion	1	LS	\$7,500.00	\$7,500
1-2	Maintenance of Traffic	1	LS	\$8,000.00	\$8,000
1-3	Sediment Barrier (Staked Silt Fence)	2,010	LF	\$2.50	\$5,025
1-4	Clearing and Grubbing	1	LS	\$10,000.00	\$10,000
1-5	F&I Reinforced Concrete Pipe (RCP) Class III (15")	575	LF	\$60.00	\$34,500
1-6	F&I Reinforced Concrete Pipe (RCP) Class III (18")	70	LF	\$70.00	\$4,900
1-7	F&I Reinforced Concrete Pipe (RCP) Class III (24")	305	LF	\$80.00	\$24,400
1-8	F&I Reinforced Concrete Pipe (RCP) Class III (30")	255	LF	\$90.00	\$22,950
1-9	F&I Reinforced Concrete Pipe (RCP) Class III (36")	130	LF	\$110.00	\$14,300
1-10	F&I Modified Type "C" Ditch Bottom Inlet	10	EA	\$3,500.00	\$35,000
1-11	F&I Modified Type "D" Ditch Bottom Inlet	2	EA	\$4,500.00	\$9,000
1-12	F&I Modified Inlet Type "J-7" with type "D" grate	1	EA	\$6,500.00	\$6,500
1-13	Remove existing curbing and Install Miami curb and gutter	2,900	LF	\$35.00	\$101,500
1-14	Remove and replace existing concrete sidewalk	7	SY	\$40.00	\$280
1-15	Remove and replace concrete driveways	181	SY	\$50.00	\$9,050
1-16	Repair of roadway open cuts (asphalt, base and stabilized subgrade)	560	SY	\$50.00	\$28,000
1-17	Performance Turf, Sod (match existing)	1,200	SY	\$6.00	\$7,200
1-18	Modification of Existing Seawall to accommodate outfall pipe	1	LS	\$15,000.00	\$15,000
1-19	Temporary sheetpiling to accommodate outfall pipe installation	1	LS	\$20,000.00	\$20,000
Subtotal				\$363,105	
AQUAMARINE BLVD DRAINAGE IMPROVEMENTS - SYSTEM No. 2					
2-1	Dewatering and Flow Diversion	1	LS	\$5,000.00	\$5,000
2-2	Maintenance of Traffic	1	LS	\$6,000.00	\$6,000
2-3	Sediment Barrier (Staked Silt Fence)	1,685	LF	\$2.50	\$4,213
2-4	Clearing and Grubbing	1	LS	\$6,500.00	\$6,500
2-5	F&I Reinforced Concrete Pipe (RCP) Class III (15")	415	LF	\$60.00	\$24,900
2-6	F&I Reinforced Concrete Pipe (RCP) Class III (18")	105	LF	\$70.00	\$7,350
2-7	F&I Reinforced Concrete Pipe (RCP) Class III (24")	280	LF	\$80.00	\$22,400
2-8	F&I Reinforced Concrete Pipe (RCP) Class III (30")	130	LF	\$90.00	\$11,700
2-9	F&I Modified Type "C" Ditch Bottom Inlet	10	EA	\$3,500.00	\$35,000
2-10	F&I Modified Type "D" Ditch Bottom Inlet	1	EA	\$4,500.00	\$4,500
2-11	Remove existing curbing and Install Miami curb and gutter	1,795	LF	\$35.00	\$62,825
2-12	Remove and replace concrete driveways	280	SY	\$50.00	\$14,000
2-13	Repair of roadway open cuts (asphalt, base and stabilized subgrade)	591	SY	\$50.00	\$29,550
2-14	Performance Turf, Sod (match existing)	655	SY	\$6.00	\$3,930
2-15	Drainage Easement Acquisition (inc. survey sketch & description)	1	LS	\$10,000.00	\$10,000

SETTLERS COLONY DRAINAGE IMPROVEMENTS EXPANSION

Conceptual Project Cost Estimate

Item No.	Item Description	Item Qty.	Qty. Unit	Unit Price	Extended Amount
2-16	Modification of Existing Seawall to accommodate outfall pipe	1	LS	\$15,000.00	\$15,000
2-17	Temporary sheetpiling to accommodate outfall pipe installation	1	LS	\$20,000.00	\$20,000
Subtotal					\$282,868
BAY STREET & CORONADO DRIVE DRAINAGE IMPROVEMENTS - SYSTEM No. 1					
3-1	Dewatering and Flow Diversion	1	LS	\$1,000.00	\$1,000
3-2	Maintenance of Traffic	1	LS	\$1,000.00	\$1,000
3-3	Sediment Barrier (Staked Silt Fence)	160	LF	\$2.50	\$400
3-4	Clearing and Grubbing	1	LS	\$1,500.00	\$1,500
3-5	F&I Reinforced Concrete Pipe (RCP) Class III (24")	80	LF	\$80.00	\$6,400
3-6	F&I Modified Type "C" Ditch Bottom Inlet	1	EA	\$3,500.00	\$3,500
3-7	Remove and dispose of existing outfall pipe (buried)	80	LF	\$32.00	\$2,560
3-8	Remove existing curbing and Install Miami curb and gutter	1,730	LF	\$35.00	\$60,550
3-9	Performance Turf, Sod (match existing)	125	SY	\$6.00	\$750
3-10	Modification of Existing Seawall to accommodate outfall pipe	1	LS	\$15,000.00	\$15,000
3-11	Temporary sheetpiling to accommodate outfall pipe installation	1	LS	\$20,000.00	\$20,000
Subtotal					\$112,660
BAY STREET & CORONADO DRIVE DRAINAGE IMPROVEMENTS - SYSTEM No. 2					
4-1	Dewatering and Flow Diversion	1	LS	\$11,500.00	\$11,500
4-2	Maintenance of Traffic	1	LS	\$12,000.00	\$12,000
4-3	Sediment Barrier (Staked Silt Fence)	3,510	LF	\$2.50	\$8,775
4-4	Clearing and Grubbing	1	LS	\$13,000.00	\$13,000
4-5	F&I Reinforced Concrete Pipe (RCP) Class III (15")	455	LF	\$60.00	\$27,300
4-6	F&I Reinforced Concrete Pipe (RCP) Class III (18")	40	LF	\$70.00	\$2,800
4-7	F&I Reinforced Concrete Pipe (RCP) Class III (24")	245	LF	\$80.00	\$19,600
4-8	F&I Reinforced Concrete Pipe (RCP) Class III (30")	535	LF	\$90.00	\$48,150
4-9	F&I Reinforced Concrete Pipe (RCP) Class III (36")	360	LF	\$110.00	\$39,600
4-10	F&I Reinforced Concrete Pipe (RCP) Class III (42")	270	LF	\$130.00	\$35,100
4-11	F&I Reinforced Concrete Pipe (RCP) Class III (48")	350	LF	\$150.00	\$52,500
4-12	F&I Modified Type "C" Ditch Bottom Inlet	12	EA	\$3,500.00	\$42,000
4-13	F&I Modified Type "D" Ditch Bottom Inlet	7	EA	\$4,500.00	\$31,500
4-14	F&I Modified Type "E" Ditch Bottom Inlet	2	EA	\$4,500.00	\$9,000
4-15	F&I Modified Inlet Type "J-7" with type "D" grate	2	EA	\$6,500.00	\$13,000
4-16	Remove existing curbing and Install Miami curb and gutter	5,760	LF	\$35.00	\$201,600
4-17	Remove and replace concrete driveways	500	SY	\$50.00	\$25,000
4-18	Repair of roadway open cuts (asphalt, base and stabilized subgrade)	875	SY	\$50.00	\$43,750
4-19	Performance Turf, Sod (match existing)	1,880	SY	\$6.00	\$11,280
4-20	Modification of Existing Seawall to accommodate outfall pipe	1	LS	\$15,000.00	\$15,000
4-21	Temporary sheetpiling to accommodate outfall pipe installation	1	LS	\$20,000.00	\$20,000
Subtotal					\$682,455

SETTLERS COLONY DRAINAGE IMPROVEMENTS EXPANSION

Conceptual Project Cost Estimate

Item No.	Item Description	Item Qty.	Qty. Unit	Unit Price	Extended Amount
GONDOLIER BOULEVARD DRAINAGE IMPROVEMENTS - SYSTEM No. 1					
5-1	Dewatering and Flow Diversion	1	LS	\$10,000.00	\$10,000
5-2	Maintenance of Traffic	1	LS	\$15,000.00	\$15,000
5-3	Sediment Barrier (Staked Silt Fence)	2,930	LF	\$2.50	\$7,325
5-4	Clearing and Grubbing	1	LS	\$12,500.00	\$12,500
5-5	F&I Reinforced Concrete Pipe (RCP) Class III (15")	415	LF	\$60.00	\$24,900
5-6	F&I Reinforced Concrete Pipe (RCP) Class III (18")	75	LF	\$70.00	\$5,250
5-7	F&I Reinforced Concrete Pipe (RCP) Class III (24")	765	LF	\$80.00	\$61,200
5-8	F&I Reinforced Concrete Pipe (RCP) Class III (30")	265	LF	\$90.00	\$23,850
5-9	F&I Reinforced Concrete Pipe (RCP) Class III (42")	150	LF	\$130.00	\$19,500
5-10	F&I Modified Type "C" Ditch Bottom Inlet	16	EA	\$3,500.00	\$56,000
5-11	F&I Modified Type "D" Ditch Bottom Inlet	4	EA	\$4,500.00	\$18,000
5-12	Remove and dispose of existing 12" PVC pipe	200	LF	\$20.00	\$4,000
5-13	Remove and dispose of existing inlets	2	EA	\$1,500.00	\$3,000
5-14	Remove existing curbing and Install Miami curb and gutter	3,890	LF	\$35.00	\$136,150
5-15	Remove and replace existing sidewalk	10	SY	\$40.00	\$400
5-16	Remove and replace concrete driveways	490	SY	\$50.00	\$24,500
5-17	Repair of roadway open cuts (asphalt, base and stabilized subgrade)	560	SY	\$50.00	\$28,000
5-18	Performance Turf, Sod (match existing)	1,140	SY	\$6.00	\$6,840
5-19	Modification of Existing Seawall to accommodate outfall pipe	1	LS	\$15,000.00	\$15,000
5-20	Temporary sheetpiling to accommodate outfall pipe installation	1	LS	\$20,000.00	\$20,000
Subtotal				\$491,415	
SETTLERS COLONY BLVD & VENETIAN WAY DRAINAGE IMPROVEMENTS - SYSTEM No. 1					
6-1	Dewatering and Flow Diversion	1	LS	\$10,000.00	\$10,000
6-2	Maintenance of Traffic	1	LS	\$12,000.00	\$12,000
6-3	Sediment Barrier (Staked Silt Fence)	3,400	LF	\$2.50	\$8,500
6-4	Clearing and Grubbing	1	LS	\$14,000.00	\$14,000
6-5	F&I Reinforced Concrete Pipe (RCP) Class III (15")	196	LF	\$60.00	\$11,760
6-6	F&I Reinforced Concrete Pipe (RCP) Class III (18")	295	LF	\$70.00	\$20,650
6-7	F&I Reinforced Concrete Pipe (RCP) Class III (24")	335	LF	\$80.00	\$26,800
6-8	F&I Reinforced Concrete Pipe (RCP) Class III (36")	210	LF	\$110.00	\$23,100
6-9	F&I Reinforced Concrete Pipe (RCP) Class III (42")	255	LF	\$130.00	\$33,150
6-10	F&I Reinforced Concrete Pipe (RCP) Class III (48")	435	LF	\$150.00	\$65,250
6-11	F&I Modified Type "C" Ditch Bottom Inlet	8	EA	\$3,500.00	\$28,000
6-12	F&I Modified Type "D" Ditch Bottom Inlet	1	EA	\$4,500.00	\$4,500
6-13	F&I Modified Inlet Type "J-7" with type "D" grate	4	EA	\$6,500.00	\$26,000
6-14	F&I Modified Type "C" Ditch Bottom Inlet (control structure)	1	EA	\$5,000.00	\$5,000
6-15	Remove existing curbing and Install Miami curb and gutter	3,785	LF	\$35.00	\$132,475
6-16	Remove and replace concrete driveways	232	SY	\$50.00	\$11,600
6-17	Repair of roadway open cuts (asphalt, base and stabilized subgrade)	634	SY	\$50.00	\$31,700
6-18	Performance Turf, Sod (match existing)	1,600	SY	\$6.00	\$9,600
6-19	Drainage Easement Acquisition (inc. survey sketch & description)	1	LS	\$10,000.00	\$10,000
6-20	Modification of Existing Seawall to accommodate outfall pipe	1	LS	\$15,000.00	\$15,000

SETTLERS COLONY DRAINAGE IMPROVEMENTS EXPANSION

Conceptual Project Cost Estimate

Item No.	Item Description	Item Qty.	Qty. Unit	Unit Price	Extended Amount
6-21	Temporary sheetpiling to accommodate outfall pipe installation	1	LS	\$20,000.00	\$20,000
Subtotal					\$519,085
SETTLERS COLONY BLVD & VENETIAN WAY DRAINAGE IMPROVEMENTS - SYSTEM No. 2					
7-1	Dewatering and Flow Diversion	1	LS	\$2,500.00	\$2,500
7-2	Maintenance of Traffic	1	LS	\$2,750.00	\$2,750
7-3	Sediment Barrier (Staked Silt Fence)	970	LF	\$2.50	\$2,425
7-4	Clearing and Grubbing	1	LS	\$3,000.00	\$3,000
7-5	F&I Reinforced Concrete Pipe (RCP) Class III (15")	380	LF	\$60.00	\$22,800
7-6	F&I Reinforced Concrete Pipe (RCP) Class III (24")	235	LF	\$80.00	\$18,800
7-7	F&I Modified Type "C" Ditch Bottom Inlet	6	EA	\$3,500.00	\$21,000
7-8	Remove existing curbing and Install Miami curb and gutter	1,625	LF	\$35.00	\$56,875
7-9	Remove and replace concrete driveways	35	SY	\$50.00	\$1,750
7-10	Repair of roadway open cuts (asphalt, base and stabilized subgrade)	80	SY	\$50.00	\$4,000
7-11	Performance Turf, Sod (match existing)	600	SY	\$6.00	\$3,600
7-12	Drainage Easement Acquisition (inc. survey sketch & description)	1	LS	\$10,000.00	\$10,000
7-13	Modification of Existing Seawall to accommodate outfall pipe	1	LS	\$15,000.00	\$15,000
7-14	Temporary sheetpiling to accommodate outfall pipe installation	1	LS	\$20,000.00	\$20,000
Subtotal					\$184,500
VESTAVIA WAY & GRAND CANAL STREET DRAINAGE IMPROVEMENTS - SYSTEM No. 1					
8-1	Dewatering and Flow Diversion	1	LS	\$6,000.00	\$6,000
8-2	Maintenance of Traffic	1	LS	\$6,000.00	\$6,000
8-3	Sediment Barrier (Staked Silt Fence)	2,120	LF	\$2.50	\$5,300
8-4	Clearing and Grubbing	1	LS	\$6,500.00	\$6,500
8-5	F&I Reinforced Concrete Pipe (RCP) Class III (15")	260	LF	\$60.00	\$15,600
8-6	F&I Reinforced Concrete Pipe (RCP) Class III (18")	250	LF	\$70.00	\$17,500
8-7	F&I Reinforced Concrete Pipe (RCP) Class III (24")	335	LF	\$80.00	\$26,800
8-8	F&I Reinforced Concrete Pipe (RCP) Class III (30")	125	LF	\$90.00	\$11,250
8-9	F&I Reinforced Concrete Pipe (RCP) Class III (36")	115	LF	\$110.00	\$12,650
8-10	F&I Reinforced Concrete Pipe (RCP) Class III (42")	145	LF	\$130.00	\$18,850
8-11	F&I Modified Type "C" Ditch Bottom Inlet	10	EA	\$3,500.00	\$35,000
8-12	F&I Modified Type "D" Ditch Bottom Inlet	3	EA	\$4,500.00	\$13,500
8-13	F&I Modified Inlet Type "J-7" with type "D" grate	1	EA	\$6,500.00	\$6,500
8-14	Remove and dispose of existing 36" RCP outfall pipe	145	LF	\$35.00	\$5,075
8-15	Remove and dispose of existing inlet and concrete	2	EA	\$2,700.00	\$5,400
8-16	Remove and dispose of existing manhole	1	EA	\$2,000.00	\$2,000
8-17	Remove existing curbing and Install Miami curb and gutter	3,385	LF	\$35.00	\$118,475
8-18	Remove and replace concrete driveways	225	SY	\$50.00	\$11,250
8-19	Repair of roadway open cuts (asphalt, base and stabilized subgrade)	350	SY	\$50.00	\$17,500
8-20	Performance Turf, Sod (match existing)	940	SY	\$6.00	\$5,640
8-21	Modification of Existing Seawall to accommodate outfall pipe	1	LS	\$15,000.00	\$15,000
8-22	Temporary sheetpiling to accommodate outfall pipe installation	1	LS	\$20,000.00	\$20,000
Subtotal					\$381,790

SETTLERS COLONY DRAINAGE IMPROVEMENTS EXPANSION

Conceptual Project Cost Estimate

Item No.	Item Description	Item Qty.	Qty. Unit	Unit Price	Extended Amount
VESTAVIA WAY & GRAND CANAL STREET DRAINAGE IMPROVEMENTS - SYSTEM No. 2					
9-1	Dewatering and Flow Diversion	1	LS	\$15,000.00	\$15,000
9-2	Maintenance of Traffic	1	LS	\$15,000.00	\$15,000
9-3	Sediment Barrier (Staked Silt Fence)	4,600	LF	\$2.50	\$11,500
9-4	Clearing and Grubbing	1	LS	\$17,500.00	\$17,500
9-5	F&I Reinforced Concrete Pipe (RCP) Class III (15")	860	LF	\$60.00	\$51,600
9-6	F&I Reinforced Concrete Pipe (RCP) Class III (18")	85	LF	\$70.00	\$5,950
9-7	F&I Reinforced Concrete Pipe (RCP) Class III (24")	505	LF	\$80.00	\$40,400
9-8	F&I Reinforced Concrete Pipe (RCP) Class III (30")	245	LF	\$90.00	\$22,050
9-9	F&I Reinforced Concrete Pipe (RCP) Class III (36")	410	LF	\$110.00	\$45,100
9-10	F&I Reinforced Concrete Pipe (RCP) Class III (42")	515	LF	\$130.00	\$66,950
9-11	F&I Reinforced Concrete Pipe (RCP) Class III (48")	50	LF	\$150.00	\$7,500
9-12	F&I Reinforced Concrete Pipe (RCP) Class III (54")	150	LF	\$175.00	\$26,250
9-13	F&I Modified Type "C" Ditch Bottom Inlet	16	EA	\$3,500.00	\$56,000
9-14	F&I Modified Type "D" Ditch Bottom Inlet	6	EA	\$4,500.00	\$27,000
9-15	F&I Modified Type "E" Ditch Bottom Inlet	3	EA	\$4,500.00	\$13,500
9-16	F&I Modified Inlet Type "J-7" with type "D" grate	4	EA	\$6,500.00	\$26,000
9-17	Remove and dispose of existing 12" CPPs	525	LF	\$20.00	\$10,500
9-18	Remove and dispose of existing 15" RCP	50	LF	\$30.00	\$1,500
9-19	Remove and dispose of existing 18" RCP	265	LF	\$30.00	\$7,950
9-20	Remove and dispose of existing 24" RCP	146	LF	\$32.00	\$4,672
9-21	Remove and dispose of existing inlets (double grate)	4	EA	\$3,000.00	\$12,000
9-22	Remove and dispose of existing inlets (single grate)	4	EA	\$2,000.00	\$8,000
9-23	Remove and dispose of existing manholes	2	EA	\$2,000.00	\$4,000
9-24	Remove existing curbing and Install Miami curb and gutter	5,532	LF	\$35.00	\$193,620
9-25	Remove and replace concrete driveways	840	SY	\$50.00	\$42,000
9-26	Repair of roadway open cuts (asphalt, base and stabilized subgrade)	1,045	SY	\$50.00	\$52,250
9-27	Performance Turf, Sod (match existing)	2,130	SY	\$6.00	\$12,780
9-28	Modification of Existing Seawall to accommodate outfall pipe	1	LS	\$15,000.00	\$15,000
9-29	Temporary sheetpiling to accommodate outfall pipe installation	1	LS	\$20,000.00	\$20,000
Subtotal					\$831,572
<p align="right">Sub-Total (Primary and Secondary Storm Sewer Systems) => \$4,434,450</p> <p align="right">Pre-Award Cost => \$39,530</p> <p align="right">Engineering Design and Permitting => \$554,306</p> <p align="right">Project Management => \$60,000</p> <p align="right">Post Design Services => \$225,000</p> <p align="right">Archaeological Monitoring Services => \$90,000</p> <p align="right">Grand-Total => \$5,403,286</p>					