

**MINUTES  
WEST CHARLOTTE STORMWATER UTILITY  
MUNICIPAL SERVICE BENEFIT UNIT (MSBU)**

**ADVISORY BOARD REGULAR MEETING  
THURSDAY, SEPTEMBER 22, 2022**

**9:30 a.m. – 10:40 a.m.  
West County Annex  
6868 San Casa Drive, Englewood, Florida**

**Members Present:** Geoffrey Norton, Chair  
Benjamin Sinclair, Vice Chair  
Hank Killion

**Members Absent:** None

**County Staff:** Kimberly Kelley, Community Liaison

**Guests:** Sign-in sheet attached

**Call to Order / Roll Call:**

The meeting was called to order at 9:30 a.m. A roll call was taken, and a quorum was present.

**Changes to the Agenda / Motion to Approve Changes:**

None

**Citizen Input on Agenda Items Only (3 Minute Limit):**

None

**Approval of Minutes:**

The draft minutes from February 16, 2021, were reviewed and approved as written.

**Unfinished Business:**

- a) Water Quality: Mr. Norton stated that Public Works Aquatic Weed came out to his residence and explained the process of treating water lettuce in South Gulf Cove in his stormwater ditch, he noted a Kudos to the Public Works personnel. Ms. Kelley pointed out the One Charlotte One Water website for updates and will provide water quality reports electronically.
- b) Canal Sediment Removal Program: Ms. Kelley conveyed Project Manager Karen Bliss is waiting on the muck removal document from the consultant and will provide and update as soon as it is received. Mr. Killion questioned the timeline of this project as it was supposed to begin in 2022.
- c) Drainage Maintenance: Ms. Kelley pointed out a location in Rotonda Lakes that will be pipelined and charged to the Stormwater MSBU. There was additional discussion on future pipe lining projects.
- d) Lemon Bay Isles/Grass Carp: Ms. Kelley provided information from Project Manager Karen Bliss and Project Manager Matt Logan. Mr. Sinclair motioned to open citizen input, seconded by Mr. Norton and it was unanimously approved. Mr. David Smith from Lemon Bay Isles provided information from Ron Gulau of Gulf Coast Aquatics Incorporated, he provided the recommended design as well as cost estimates. He also stated that Lemon Bay Isles have a Fish and Wildlife Commission Permit for carp and is requesting 100 fish to be placed in the ponds once barrier is complete. There was additional discussion on the history of the barriers and grass carp. Mr. Sinclair motioned to approve the project to have new barriers installed in the Lemon Bay Isles ponds with a cost not to exceed \$13,500, seconded by Mr. Killion and unanimously approved. Mr. Sinclair motioned to include the purchase of grass carp for the Lemon Bay Isles ponds per their FWC permit (100) near Flamingo Avenue, seconded by Mr. Norton and unanimously approved.

**New Business:**

- a) Financial Reports: The FY22 quarter three Actual Expenditure and Activity Maintenance reports were provided for review. There was discussion on reserve funds for pipelining for fiscal year 2021 and 2022, increase cost for water quality monitoring, the upcoming fiscal year 2024/2025 budgets and possible rate increases. Mr. Sinclair motioned to expend funds from reserve to use in fiscal year 2023 if the budgeted amount is over, seconded by Mr. Norton and unanimously approved.

**Citizen Input on MSBU Items (3 Minute Limit):**

None

**Advisory Board Open Discussion:**

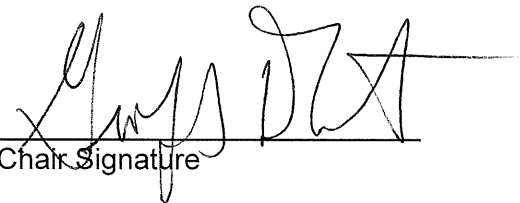
The next meeting date was unanimously approved from November 30 to move to December 7 at 1:30pm.

**Schedule Meetings / Items for Next Agenda:**

Future meetings are scheduled at 9:30 a.m. in the West County Annex Conference Room as follows:

- December 7, 2022, this meeting will be at held at 1:30 p.m.
- February 15, 2023
- May 10, 2023
- August 23, 2023
- November 15, 2023

Submitted by Kimberly Kelley  
Public Works Department

  
Chair Signature

12-7-2022  
Date



## AGENDA

### WEST CHARLOTTE STORMWATER UTILITY MUNICIPAL SERVICE BENEFIT UNIT (MSBU)

#### ADVISORY BOARD REGULAR MEETING THURSDAY, SEPTEMBER 22, 2022

9:30 a.m., West County Annex  
6868 San Casa Drive, Room 120, Englewood, Florida

**BOARD MEMBERS:** Geoffrey Norton, Chair  
Benjamin Sinclair, Vice-Chair  
Hank Killion  
Vacant  
Vacant

**COUNTY STAFF:** Kimberly Kelley

**PURPOSE:** Regular Meeting

1. Call to Order / Roll Call
2. Changes to the Agenda
3. Citizen Input on Agenda Items (3-Minute Limit)
4. Approval of Minutes: May 18, 2022
5. Unfinished Business
  - a. Water Quality
  - b. Canal Sediment Removal Program
  - c. Drainage Maintenance
  - d. Lemon Bay Isles/Grass Carp
6. New Business
  - a. Financial Reports
7. Citizen Input on MSBU Items (3-Minute Limit)
8. Advisory Board Open Discussion
9. Meeting Schedule / Items for Next Agenda
10. Motion to Adjourn



**West Charlotte Stormwater MSBU**  
Fund Financial Report  
Oct. 1, 2021 - June 30, 2022

	Actual FY2021	Adopted Budget FY2022	YTD Actual FY2022	Projected FY2022
<b>Beginning Balance</b>	\$6,583,759	\$6,146,596.00	\$6,386,782	\$6,386,782
<b>Revenues</b>				
Assessments & Earnings	1,140,987	1,106,075	1,075,493	1,129,970
Grant & Subsidy Revenue	-	1,667	-	1,667
Loans & Borrowing	-	-	-	-
<b>Total Revenue</b>	\$1,140,987	\$1,107,742	\$1,075,493	\$1,131,637
<b>Expenditures</b>				
Contract Services	29,599	146,430	18,596	146,430
Pipe Lining	644,644	2,000,000	93,061	2,000,000
Water Quality	32,571	82,000	28,943	82,000
Public Works Services	375,585	844,802	356,108	844,802
Internal Charges	10,509	18,248	18,248	18,248
Purchased Services	236,858	254,530	231,757	254,530
Materials and Supplies	-	-	-	-
Capital Outlay	-	-	-	-
Debt Services	-	-	-	-
<b>Project Costs</b>				
Nat'l Pollution Discharge Elimination	3,552	69,990	16,668	20,000
Total Maximum Daily Load Program	-	133,333	-	133,333
Canal Sediment Removal-West County	4,645	700,000	5,027	-
<b>Total Expenditures</b>	\$1,337,963	\$4,249,333	\$768,408	\$3,499,343
<b>Reserves (Ending Fund Balance)</b>	\$6,386,782	\$3,005,005	\$6,693,868	\$4,019,077
<i>Reserve %</i>	82.68%	41.4%	89.7%	53.5%

Date Prepared: 7/1/2022

# Monthly MSBU Activity Report

START DATE: 3/1/2022 END DATE: 5/31/2022

## PW-WCSWM West Charl Stormwater

Project Number	WO Description	Equipment Code	Equipment Description	Location	Date Worked	Labor Hours	Labor Cost	Parts Cost	Equipment Cost	Contract or Cost	Work Accompl.	UOM	Total Cost
C390202	1011015 PW-MSBU-W WCSWM NPDES C390202	PW-WCSWM	West Charl Stormwater										
			96-9657D Stormwater Project Mgmt		03/01/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					03/02/2022	0.00	0.00	0.00	0.00	0.00	0.00	LHR	0.00
					03/03/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					03/04/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					03/08/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					03/09/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					03/10/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					03/11/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					03/15/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					03/16/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					03/17/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					03/18/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					03/23/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					03/24/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					03/25/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					03/29/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					03/30/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					03/31/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					04/05/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					04/06/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					04/07/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					04/08/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					04/12/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					04/13/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					04/14/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					04/19/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					04/20/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					04/21/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					04/22/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					04/26/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					04/27/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					04/28/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					04/29/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					05/03/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					05/04/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					05/05/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					05/10/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					05/11/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					05/12/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					05/13/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					05/17/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					05/18/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					05/19/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76

# Monthly MSBU Activity Report

START DATE: 3/1/2022 END DATE: 5/31/2022

## PW-WCSWM

Project Number	WO Description	Equipment Code	Equipment Description	Location	Date Worked	Labor Hours	Labor Cost	Parts Cost	Equipment Cost	Contract or Cost	Work Accomp.	UOM	Total Cost
					05/20/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					05/24/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					05/25/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					05/26/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
						<b>81.00</b>	<b>8,647.56</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>81.00</b>	<b>LHR</b>	<b>8,647.56</b>
						<b>81.00</b>	<b>8,647.56</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>81.00</b>	<b>LHR</b>	<b>8,647.56</b>

Stormwater Project Mgmt Total  
Total WO Number: 1011015

1220435 PW-WCSWM West Charlotte PW-WCSWM West Chart Stormwater  
Stormwater MSDR Annual  
Work Order

				10-9866 MSDR	03/01/2022	1.00	91.39	0.00	0.00	0.00	1.00	LHR	91.39
					03/02/2022	0.25	22.85	0.00	0.00	0.00	0.25	LHR	22.85
					03/10/2022	0.50	45.70	0.00	0.00	0.00	0.50	LHR	45.70
					03/16/2022	0.25	22.85	0.00	0.00	0.00	0.25	LHR	22.85
					03/17/2022	0.25	22.85	0.00	0.00	0.00	0.25	LHR	22.85
					03/24/2022	1.25	114.24	0.00	0.00	0.00	1.25	LHR	114.24
					04/06/2022	0.25	22.85	0.00	0.00	0.00	0.25	LHR	22.85
					04/07/2022	0.25	22.85	0.00	0.00	0.00	0.25	LHR	22.85
					04/08/2022	0.50	45.70	0.00	0.00	0.00	0.50	LHR	45.70
					04/13/2022	0.50	45.70	0.00	0.00	0.00	0.50	LHR	45.70
					04/14/2022	0.25	22.85	0.00	0.00	0.00	0.25	LHR	22.85
					04/15/2022	0.25	22.85	0.00	0.00	0.00	0.25	LHR	22.85
					04/19/2022	0.25	22.85	0.00	0.00	0.00	0.25	LHR	22.85
					05/03/2022	0.50	45.70	0.00	0.00	0.00	0.50	LHR	45.70
					05/04/2022	1.00	91.39	0.00	0.00	0.00	1.00	LHR	91.39
					05/05/2022	0.25	22.85	0.00	0.00	0.00	0.25	LHR	22.85
					05/06/2022	0.50	45.70	0.00	0.00	0.00	0.50	LHR	45.70
					05/10/2022	1.00	91.39	0.00	0.00	0.00	1.00	LHR	91.39
					05/17/2022	1.75	159.93	0.00	0.00	0.00	1.75	LHR	159.93
					05/18/2022	5.00	456.95	0.00	0.00	0.00	5.00	LHR	456.95
					05/19/2022	0.50	45.70	0.00	0.00	0.00	0.50	LHR	45.70
					05/20/2022	2.00	182.78	0.00	0.00	0.00	2.00	LHR	182.78
					05/24/2022	1.25	114.24	0.00	0.00	0.00	1.25	LHR	114.24
					05/26/2022	0.50	45.70	0.00	0.00	0.00	0.50	LHR	45.70
					05/27/2022	0.50	45.70	0.00	0.00	0.00	0.50	LHR	45.70
						<b>20.50</b>	<b>1,873.50</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>20.50</b>	<b>LHR</b>	<b>1,873.50</b>
						<b>20.50</b>	<b>1,873.50</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>20.50</b>	<b>LHR</b>	<b>1,873.50</b>

MSDR Total  
Total WO Number: 1220435

1635486 West Cty S. Water Annual DITCH-1289 Primary Ditch  
"ROUTINE" WO - Menzie  
WCSWU

				10-3006D Menzi Muck	03/01/2022	6.50	553.48	0.00	507.85	0.00	45,000.00	SF	1,061.32
					03/02/2022	15.00	1,277.25	0.00	1,171.95	0.00	66,000.00	SF	2,449.20
					03/03/2022	17.50	1,490.13	0.00	1,367.28	0.00	92,300.00	SF	2,857.40
					03/07/2022	17.00	1,447.55	0.00	1,328.21	0.00	72,575.00	SF	2,775.76
					03/08/2022	17.00	1,447.55	0.00	1,328.21	0.00	97,600.00	SF	2,775.76

# Monthly MSBU Activity Report

START DATE: 3/1/2022 END DATE: 5/31/2022

PW-WCSWM

Project	WO Number	WO Description	Equipment Code	Equipment Description	Location	Date Worked	Labor Hours	Labor Cost	Parts Cost	Equipment Cost	Contract or Cost	Work Accomp.	UOM	Total Cost
						03/09/2022	20.00	1,703.00	0.00	1,562.60	0.00	69,500.00	SF	3,265.60
						03/10/2022	21.50	1,753.52	0.00	1,261.62	0.00	49,000.00	SF	3,015.13
						03/11/2022	10.00	851.50	0.00	781.30	0.00	60,000.00	SF	1,632.80
						03/14/2022	16.00	1,362.40	0.00	1,250.08	0.00	38,000.00	SF	2,612.48
						03/15/2022	10.00	851.50	0.00	781.30	0.00	28,500.00	SF	1,632.80
						03/16/2022	20.00	1,703.00	0.00	1,562.60	0.00	87,500.00	SF	3,265.60
						03/17/2022	16.00	1,362.40	0.00	1,250.08	0.00	105,000.00	SF	2,612.48
						03/18/2022	10.00	851.50	0.00	781.30	0.00	60,000.00	SF	1,632.80
						03/21/2022	8.00	681.20	0.00	625.04	0.00	50,000.00	SF	1,306.24
						03/22/2022	15.00	1,277.25	0.00	1,171.95	0.00	80,000.00	SF	2,449.20
						03/23/2022	20.00	1,703.00	0.00	1,562.60	0.00	101,500.00	SF	3,265.60
						03/24/2022	20.00	1,703.00	0.00	1,562.60	0.00	128,000.00	SF	3,265.60
						03/28/2022	20.00	1,703.00	0.00	1,562.60	0.00	107,250.00	SF	3,265.60
						03/29/2022	20.00	1,703.00	0.00	1,562.60	0.00	163,000.00	SF	3,265.60
						03/30/2022	20.00	1,703.00	0.00	1,562.60	0.00	105,000.00	SF	3,265.60
						03/31/2022	10.00	851.50	0.00	781.30	0.00	47,200.00	SF	1,632.80
						04/04/2022	20.00	1,703.00	0.00	1,562.60	0.00	130,750.00	SF	3,265.60
						04/05/2022	20.00	1,703.00	0.00	1,562.60	0.00	92,000.00	SF	3,265.60
						04/06/2022	20.00	1,703.00	0.00	1,562.60	0.00	92,500.00	SF	3,265.60
						04/07/2022	15.00	1,277.25	0.00	1,171.95	0.00	115,000.00	SF	2,449.20
						04/08/2022	10.00	851.50	0.00	781.30	0.00	60,000.00	SF	1,632.80
						04/11/2022	10.00	851.50	0.00	781.30	0.00	60,000.00	SF	1,632.80
						04/13/2022	10.00	851.50	0.00	781.30	0.00	44,750.00	SF	1,632.80
						04/14/2022	10.00	851.50	0.00	781.30	0.00	45,000.00	SF	1,632.80
						04/18/2022	14.00	1,192.10	0.00	1,093.82	0.00	67,000.00	SF	2,285.92
						04/19/2022	17.00	1,447.55	0.00	1,328.21	0.00	102,000.00	SF	2,775.76
						04/20/2022	10.00	851.50	0.00	781.30	0.00	43,750.00	SF	1,632.80
						04/21/2022	12.50	1,064.38	0.00	976.63	0.00	57,500.00	SF	2,041.00
						04/26/2022	10.00	851.50	0.00	781.30	0.00	51,500.00	SF	1,632.80
						04/27/2022	14.00	1,192.10	0.00	1,093.82	0.00	79,250.00	SF	2,285.92
						04/28/2022	19.50	1,660.43	0.00	1,523.54	0.00	98,250.00	SF	3,183.96
						04/29/2022	10.00	851.50	0.00	781.30	0.00	45,000.00	SF	1,632.80
						05/02/2022	10.00	851.50	0.00	781.30	0.00	43,200.00	SF	1,632.80
						05/03/2022	18.00	1,532.70	0.00	1,406.34	0.00	94,300.00	SF	2,939.04
						05/04/2022	20.00	1,703.00	0.00	1,562.60	0.00	142,000.00	SF	3,265.60
						05/05/2022	19.50	1,660.43	0.00	1,523.54	0.00	105,000.00	SF	3,183.96
						05/06/2022	10.00	851.50	0.00	781.30	0.00	55,000.00	SF	1,632.80
						05/09/2022	10.00	851.50	0.00	0.00	0.00	65,000.00	SF	851.50
						05/10/2022	10.00	851.50	0.00	781.30	0.00	65,000.00	SF	1,632.80
						05/11/2022	11.00	936.65	0.00	859.43	0.00	59,000.00	SF	1,796.08
						05/12/2022	16.00	1,362.40	0.00	1,250.08	0.00	106,200.00	SF	2,612.48
						05/13/2022	10.00	851.50	0.00	781.30	0.00	80,000.00	SF	1,632.80
						05/16/2022	20.00	1,703.00	0.00	1,562.60	0.00	147,600.00	SF	3,265.60
						05/17/2022	20.00	1,703.00	0.00	1,562.60	0.00	190,700.00	SF	3,265.60
						05/18/2022	4.00	340.60	0.00	312.52	0.00	32,000.00	SF	653.12

# Monthly MSBU Activity Report

START DATE: 3/1/2022 END DATE: 5/31/2022

PW-WCSWM

Project	WO Number	WO Description	Equipment Code	Equipment Description	Location	Date Worked	Labor Hours	Labor Cost	Parts Cost	Equipment Cost	Contract or Cost	Work Accomp.	UOM	Total Cost
						05/19/2022	15.50	1,319.83	0.00	1,211.02	0.00	99,250.00	SF	2,530.84
						05/20/2022	8.25	702.49	0.00	644.57	0.00	55,000.00	SF	1,347.06
						05/23/2022	10.00	851.50	0.00	781.30	0.00	63,450.00	SF	1,632.80
						05/24/2022	18.00	1,532.70	0.00	1,406.34	0.00	141,300.00	SF	2,939.04
						05/25/2022	16.00	1,362.40	0.00	1,129.18	0.00	121,000.00	SF	2,491.58
						05/26/2022	20.00	1,703.00	0.00	1,361.10	0.00	125,500.00	SF	3,064.10
						05/27/2022	8.75	745.06	0.00	683.64	0.00	76,000.00	SF	1,428.70
						05/31/2022	10.00	851.50	0.00	579.80	0.00	32,000.00	SF	1,431.30
					<b>Menzi Muck Total</b>		<b>836.50</b>	<b>71,150.77</b>	<b>0.00</b>	<b>63,632.37</b>	<b>0.00</b>	<b>4,735,675.00</b>	<b>SF</b>	<b>134,783.13</b>
					10-9852D Supervision	03/01/2022	1.50	153.78	0.00	4.95	0.00	1.50	LHR	158.73
						03/02/2022	1.50	153.78	0.00	4.95	0.00	1.50	LHR	158.73
						03/03/2022	1.50	153.78	0.00	4.95	0.00	1.50	LHR	158.73
						03/09/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						03/10/2022	1.00	102.52	0.00	3.30	0.00	1.00	LHR	105.82
						03/11/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						03/14/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						03/16/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						03/17/2022	1.50	153.78	0.00	4.95	0.00	1.50	LHR	158.73
						03/18/2022	2.50	256.30	0.00	8.25	0.00	2.50	LHR	264.55
						03/21/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						03/22/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						03/23/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						03/24/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						03/28/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						03/29/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						03/30/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						04/04/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						04/05/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						04/06/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						04/07/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						04/08/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						04/11/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						04/18/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						04/19/2022	3.50	358.82	0.00	6.60	0.00	3.50	LHR	365.42
						04/21/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						04/27/2022	1.50	153.78	0.00	4.95	0.00	1.50	LHR	158.73
						04/28/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						04/29/2022	2.50	256.30	0.00	8.25	0.00	2.50	LHR	264.55
						05/03/2022	2.50	256.30	0.00	8.25	0.00	2.50	LHR	264.55
						05/04/2022	1.00	102.52	0.00	3.30	0.00	1.00	LHR	105.82
						05/05/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						05/06/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						05/09/2022	1.50	153.78	0.00	786.25	0.00	1.50	LHR	940.03
						05/11/2022	1.50	153.78	0.00	4.95	0.00	1.50	LHR	158.73

# Monthly MSBU Activity Report

START DATE: 3/1/2022 END DATE: 5/31/2022

PW-WCSWM

Project	WO Number	WO Description	Equipment Code	Equipment Description	Location	Date Worked	Labor Hours	Labor Cost	Parts Cost	Equipment Cost	Contract or Cost	Work Accomp.	UOM	Total Cost
						05/12/2022	1.00	102.52	0.00	3.30	0.00	1.00	LHR	105.82
						05/13/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						05/16/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						05/17/2022	1.00	102.52	0.00	3.30	0.00	1.00	LHR	105.82
						05/18/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						05/19/2022	1.50	153.78	0.00	4.95	0.00	1.50	LHR	158.73
						05/20/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						05/24/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						05/25/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						05/26/2022	2.00	205.04	0.00	6.60	0.00	2.00	LHR	211.64
						05/27/2022	1.50	153.78	0.00	4.95	0.00	1.50	LHR	158.73
						05/31/2022	1.50	153.78	0.00	3.93	0.00	1.50	LHR	157.71
						<b>Supervision Total</b>	<b>88.00</b>	<b>9,021.76</b>	<b>0.00</b>	<b>1,065.73</b>	<b>0.00</b>	<b>88.00</b>	<b>LHR</b>	<b>10,087.49</b>
						03/02/2022	1.00	76.26	0.00	2.83	0.00	1.00	LHR	79.09
						03/03/2022	1.00	76.26	0.00	2.83	0.00	1.00	LHR	79.09
						03/09/2022	0.00	0.00	0.00	0.00	0.00	0.00	LHR	0.00
						03/14/2022	1.00	83.04	0.00	10.12	0.00	1.00	LHR	93.16
						03/15/2022	0.00	0.00	0.00	0.00	0.00	0.00	LHR	0.00
						03/16/2022	1.00	83.04	0.00	10.12	0.00	1.00	LHR	93.16
						03/21/2022	1.00	83.04	0.00	10.12	0.00	1.00	LHR	93.16
						03/22/2022	1.00	83.04	0.00	10.12	0.00	1.00	LHR	93.16
						03/24/2022	1.50	124.56	0.00	15.18	0.00	1.50	LHR	139.74
						03/28/2022	2.00	166.08	0.00	10.12	0.00	2.00	LHR	176.20
						03/29/2022	2.00	166.08	0.00	20.24	0.00	2.00	LHR	186.32
						03/31/2022	1.00	83.04	0.00	10.12	0.00	1.00	LHR	93.16
						04/11/2022	1.00	83.04	0.00	10.12	0.00	1.00	LHR	93.16
						04/12/2022	1.50	124.56	0.00	15.18	0.00	1.50	LHR	139.74
						04/20/2022	1.00	83.04	0.00	2.83	0.00	1.00	LHR	85.87
						04/28/2022	1.00	83.04	0.00	10.12	0.00	1.00	LHR	93.16
						05/04/2022	1.50	124.56	0.00	15.18	0.00	1.50	LHR	139.74
						05/05/2022	1.00	83.04	0.00	10.12	0.00	1.00	LHR	93.16
						05/09/2022	1.00	124.56	0.00	15.18	0.00	1.00	LHR	139.74
						05/10/2022	1.00	83.04	0.00	10.12	0.00	1.00	LHR	93.16
						05/11/2022	1.50	124.56	0.00	15.18	0.00	1.50	LHR	139.74
						05/12/2022	1.50	124.56	0.00	15.18	0.00	1.50	LHR	139.74
						05/16/2022	1.50	124.56	0.00	15.18	0.00	1.50	LHR	139.74
						05/18/2022	1.00	83.04	0.00	10.12	0.00	1.00	LHR	93.16
						05/25/2022	1.50	124.56	0.00	33.99	0.00	1.50	LHR	158.55
						<b>Fuel Truck Total</b>	<b>29.00</b>	<b>2,394.60</b>	<b>0.00</b>	<b>280.30</b>	<b>0.00</b>	<b>29.00</b>	<b>LHR</b>	<b>2,674.90</b>
						04/04/2022	1.00	83.04	0.00	10.12	0.00	1.00	LHR	93.16
						<b>Misc. Activity Total</b>	<b>1.00</b>	<b>83.04</b>	<b>0.00</b>	<b>10.12</b>	<b>0.00</b>	<b>1.00</b>	<b>LHR</b>	<b>93.16</b>
						03/14/2022	3.00	255.45	0.00	30.36	0.00	3.00	LHR	285.81
						05/12/2022	3.00	255.45	0.00	71.25	0.00	3.00	LHR	326.70

# Monthly MSBU Activity Report

START DATE: 3/1/2022 END DATE: 5/31/2022

## PW-WCSWM

Project Number	WO Description	Equipment Code	Equipment Description	Location	Date Worked	Labor Hours	Labor Cost	Parts Cost	Equipment Cost	Contract or Cost	Work Accompl.	UOM	Total Cost
C392002	1677307 PW-WCSWM West County Canal Sediment Removal C392002	PW-WCSWM	West Charl Stormwater			6.00	510.90	0.00	101.61	0.00	6.00	LHR	612.51
Transport Total Total WO Number: 1635486 0.00 83,161.07 0.00 65,090.13 0.00 4,735,799.00 LHR 148,251.19													

	96-9657D Stormwater Project Mgmt				03/01/2022	0.50	53.38	0.00	0.00	0.00	0.50	LHR	53.38
					03/02/2022	0.00	0.00	0.00	0.00	0.00	0.00	LHR	0.00
					03/03/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					03/16/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					03/23/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					04/01/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					04/06/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					04/07/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					04/14/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					04/19/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					04/20/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					05/12/2022	0.50	53.38	0.00	0.00	0.00	0.50	LHR	53.38
					05/25/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
<b>Stormwater Project Mgmt Total</b> 12.00 1,281.12 0.00 0.00 0.00 12.00 LHR 1,281.12													

<b>Stormwater Project Mgmt Total</b> 12.00 1,281.12 0.00 0.00 0.00 12.00 LHR 1,281.12												
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1703052	Year 1 Specialty Mowing (West Charl SW) Contract # 20-047	POND-1148	RETPOND-Winchester Blvd_1	Winchester Blvd_1									
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	10-9657R Project Management				03/02/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					03/03/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					03/04/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					03/08/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					03/09/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					03/10/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					03/11/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					03/15/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					03/16/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					03/17/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					03/18/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					03/22/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					03/23/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					03/24/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					03/25/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					03/30/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					03/31/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					04/01/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					04/05/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					04/06/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					04/07/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69

# Monthly MSBU Activity Report

START DATE: 3/1/2022 END DATE: 5/31/2022

**PW-WCSWM**

Project Number	WO Description	Equipment Code	Equipment Description	Location	Date Worked	Labor Hours	Labor Cost	Parts Cost	Equipment Cost	Contract or Cost	Work Accom.	UOM	Total Cost
					04/08/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					04/12/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					04/13/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					04/15/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					04/19/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					04/20/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					04/21/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					04/22/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					04/27/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					04/28/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					04/29/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					05/03/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					05/04/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					05/05/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					05/06/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					05/11/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					05/12/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					05/17/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					05/18/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					05/19/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					05/25/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
					05/26/2022	0.25	29.86	0.00	0.83	0.00	0.25	LHR	30.69
<b>Project Management Total</b>						<b>10.75</b>	<b>1,283.98</b>	<b>0.00</b>	<b>35.48</b>	<b>0.00</b>	<b>10.75</b>	<b>LHR</b>	<b>1,319.46</b>
<b>Total WO Number: 1703052</b>						<b>10.75</b>	<b>1,283.98</b>	<b>0.00</b>	<b>35.48</b>	<b>0.00</b>	<b>10.75</b>	<b>LHR</b>	<b>1,319.46</b>

1785982 PW-MSBU-W WCSWUM  
Floodwise Communities

PW-WCSWM West Chart Stormwater

96-9657D Stormwater Project Mgmt

					03/08/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					03/09/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					03/18/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					03/22/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					03/23/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
					04/01/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
<b>Stormwater Project Mgmt Total</b>						<b>7.00</b>	<b>747.32</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>7.00</b>	<b>LHR</b>	<b>747.32</b>
<b>Total WO Number: 1785982</b>						<b>7.00</b>	<b>747.32</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>7.00</b>	<b>LHR</b>	<b>747.32</b>

1807516 PW-MSBU-W WCSWUM  
Oyster Creek Flow Enhancement

PW-WCSWM West Chart Stormwater

96-9657D Stormwater Project Mgmt

					03/04/2022	3.00	320.28	0.00	0.00	0.00	3.00	LHR	320.28
					03/09/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					03/10/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					03/11/2022	4.00	427.04	0.00	0.00	0.00	4.00	LHR	427.04
					03/15/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					03/17/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
					03/18/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52



# Monthly MSBU Activity Report

START DATE: 3/1/2022

END DATE: 5/31/2022

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PW-WCSWM

Project	WO Number	WO Description	Equipment Code	Equipment Description	Location	Date Worked	Labor Hours	Labor Cost	Parts Cost	Equipment Cost	Contract or Cost	Work Accompl.	UOM	Total Cost
						03/24/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
						03/30/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
						03/31/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
						04/01/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
						04/08/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
						04/13/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
						04/19/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
						04/21/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
						04/22/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
						04/26/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
						04/27/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
						04/29/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
						05/04/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
						05/05/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
						05/11/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
						05/13/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
						05/17/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
						05/19/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
						05/20/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
						05/24/2022	2.00	213.52	0.00	0.00	0.00	2.00	LHR	213.52
						05/26/2022	1.00	106.76	0.00	0.00	0.00	1.00	LHR	106.76
							<b>45.00</b>	<b>4,804.20</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>45.00</b>	<b>LHR</b>	<b>4,804.20</b>
<b>Stormwater Project Mgmt Total</b>														
						04/18/2022	2.00	162.82	0.00	0.00	0.00	2.00	LHR	162.82
						04/20/2022	1.00	81.41	0.00	0.00	0.00	1.00	LHR	81.41
						05/20/2022	2.00	162.82	0.00	0.00	0.00	2.00	LHR	162.82
						05/24/2022	5.00	407.05	0.00	0.00	0.00	5.00	LHR	407.05
						05/25/2022	2.00	162.82	0.00	0.00	0.00	2.00	LHR	162.82
						05/26/2022	2.00	162.82	0.00	0.00	0.00	2.00	LHR	162.82
						05/27/2022	2.00	162.82	0.00	0.00	0.00	2.00	LHR	162.82
						05/31/2022	2.00	162.82	0.00	0.00	0.00	2.00	LHR	162.82
							<b>18.00</b>	<b>1,465.38</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>18.00</b>	<b>LHR</b>	<b>1,465.38</b>
<b>Cap Road Project Inspection Total</b>														
							<b>63.00</b>	<b>6,269.58</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>63.00</b>	<b>LHR</b>	<b>6,269.58</b>
							<b>1,154.75</b>	<b>103,264.12</b>	<b>0.00</b>	<b>65,125.60</b>	<b>0.00</b>	<b>4,735,993.25</b>	<b>LHR</b>	<b>168,389.72</b>
<b>Total MSBU: PW-WCSWM</b>														

**Prelim**  
**6.30.22 Rev1**

CHARLOTTE COUNTY PUBLIC WORKS DIVISION  
FY 2022/23 BUDGET  
WEST CHARLOTTE STORMWATER UTILITY UNIT (WX)  
FUND # 1188  
PROPOSED STORMWATER UTILITY WORK PROGRAM

ESTIMATED ACRES - FY221/23	Occupied			10,627.6
ESTIMATED ACRES - FY221/23	Vacant			13,445.9
		COST PER	Per Average	
		Acre	Qtr Acre Lot	TOTAL
PROJECTED FUND BALANCE - 10/1/22				\$ 4,019,077
ESTIMATED REVENUE AT PROPOSED RATE	Vacant	\$ 45.46	\$ 11.37	
	Occupied	\$ 50.00	\$ 12.50	1,099,665
FUNDS AVAILABLE				5,118,741
GRAND TOTAL MSBU WORK PROGRAM		\$157.96		3,802,701
BALANCE AFTER PROGRAM				1,316,041
OTHER CASH OUTFLOWS (TRANSFERS OUT)				-
<b>PROJECTED FUND BALANCE - 9/30/23</b>				<b>\$ 1,316,041</b>
<b><i>TRANSFERS AND RESERVES SUMMARY</i></b>				
RESERVE FOR FUTURE CAPITAL OUTLAY				292,292
RESERVE FOR CONTINGENCY-REGULAR				511,874
RESERVE-CASH CARRIED FORWARD				511,874
TOTAL TRANSFERS AND RESERVES				1,316,041
<b>***TOTAL CASH OUTFLOWS AND RESERVES/BALANCE***</b>				<b>\$ 5,118,741</b>
Desired Minimum Fund Balance:		\$633,783		
Allowable Fund Balance:		\$1,023,748		

RATE HISTORY:	UNIT OF MEAS	COST PER UOM	PER 80' LOT
FY 2013/14 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2013/14 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2014/15 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2014/15 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2015/16 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2015/16 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2016/17 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2016/17 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2017/18 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2017/18 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2018/19 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2018/19 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2019/20 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2019/20 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2020/21 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2020/21 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2021/22 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2021/22 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2022/23 - Vacant - Proposed	ACRE	\$ 45.46	\$ 11.37
FY 2022/23 - Occupied - Proposed	ACRE	\$ 50.00	\$ 12.50

CURRENT MAXIMUM RATE \$ 50.00

CHARLOTTE COUNTY PUBLIC WORKS DIVISION  
 FY 2022/23 BUDGET  
 WEST CHARLOTTE STORMWATER UTILITY UNIT (WX)  
 FUND # 1188  
 PROPOSED STORMWATER UTILITY WORK PROGRAM

<u>PUBLIC WORKS SERVICES</u>		<u>TOTAL EXP</u>
	Maintenance Services	\$ 589,309
	Equipment Charges	212,504
	Lighting Materials	
	R&B Materials	47,007
	<b>TOTAL PUBLIC WORKS SERVICES</b>	<b>848,821</b>
<u>OTHER DIRECT COSTS</u>		
	Postage & Notices	-
	Central/Indirect Services Allocation	16,534
	Advertising - Legal	150
c390202	Per. Services - Inter Dept. (FYN)	3,333
	<b>TOTAL OTHER DIRECT COST</b>	<b>20,017</b>
<u>CONTRACT SERVICES</u>		
	Landfill Fees	10-9004 1,500
	C/S - Sod Installed	10-5003 20,750
	C/S - Vegetation - Grass Carp	84-8491 25,000
	C/S - Vegetation - Oyster Creek Flow Enhancement	84-8491
	C/S - ROW Reclamation	84-8480
c390202	P/S - NPDES	84-8490 16,667
c390305	P/S - TMD Load Program-Waer Quality Monitoring	84-8490 133,333
c392002	P/S - Canal Sediment Removal	84-8490 100,000
c392002	C/S - Canal Sediment Removal	84-8486 500,000
s390601	C/S - R/M Locks	84-8491 5,000
	Reimb Aquatic Weed Chgs	84-8412 225,000
	C/S - Specialty Mowing	84-8496 26,450
	C/S - Pipe Liner	84-8494 1,750,000
	C/S - Water Quality Monitoring	84-8470 107,309
	<b>TOTAL CONTRACT SERVICES</b>	<b>2,911,009</b>
	 <b>TOTAL WORK PROGRAM</b>	 <b>3,779,848</b>
	 <b>TAX COLLECTOR-COLLECTION FEE</b>	 <b>22,853</b>
	 <b>DEBT SERVICE</b>	 <b>-</b>
	 <b>GRAND TOTAL MSBU WORK PROGRAM</b>	 <b>\$ 3,802,701</b>

# Budget by Single MSBU

Department: All Departments  
Activity: All Activities

Budget Year: 2023-BUDGET  
MSBU Code: West Charl Stormwater

WO #	Activity	Work Quantity	Work UOM	ADP	Crew Days	Crew Size	Labor Days	Labor Cost	Tool Cost	Parts Cost	Lump Sum	Budget Total
<b>West Charl Stormwater</b>												
1734571	10-2002-Catch Basins	2.00	CB	1.00	2.00	3.00	6.00	4,338.02	860.80	803.98	0.00	6,002.80
1724443	10-2007-Mitered Ends	0.00	PE	2.25	0.00	2.36	0.00	0.00	0.00	0.00	0.00	0.00
1724995	10-2011-Catch Basin Repair	6.00	RPR	1.00	6.00	2.00	12.00	8,617.94	1,165.17	1,366.13	0.00	11,149.23
1725103	10-3001-Drainage Maint.	20,000.00	SF	3,500.00	5.71	4.25	24.27	17,899.64	3,085.26	2.75	0.00	20,987.64
1725650	10-3002-Major Outfall	50,000.00	SY	1,200.00	41.67	4.00	166.68	131,893.64	48,387.20	5,127.08	0.00	185,407.92
1725193	10-3003-VAC Cul Clean	100.00	CULV	10.00	10.00	2.00	20.00	14,664.33	4,422.00	0.00	0.00	19,086.33
1725693	10-3004-Sm Pipe Inst	240.00	LF	32.00	7.50	3.00	22.50	16,338.73	3,453.75	9,960.57	0.00	29,753.05
1725284	10-3006-Menzi Muck	6,250,000.00	SF	33,000.00	189.39	1.15	217.80	176,725.26	119,580.85	0.00	0.00	296,306.10
1716167	10-3008-Ret Basins	100.00	LHR	24.00	4.17	2.25	9.38	6,550.94	501.71	37.25	0.00	7,089.91
1734567	10-3009-Sidelot Outfall	2,000.00	SF	2,500.00	0.80	4.00	3.20	2,376.83	421.12	191.72	0.00	2,989.67
1725797	10-3010-Lg Pipe Inst	240.00	LF	40.00	6.00	4.00	24.00	17,826.20	3,374.40	25,214.14	0.00	46,414.73
1734568	10-3011-Lg Pipe Rpr	50.00	EA	2.00	25.00	4.00	100.00	74,275.83	11,512.50	4,303.77	0.00	90,092.11
1725959	10-5000-Brush Cut-Response	5.00	ICD	12.00	0.42	3.00	1.26	874.11	108.70	0.00	0.00	982.81
1716461	10-5001-Brush Cut-Routine	0.00	CY	2,700.00	0.00	3.75	0.00	0.00	0.00	0.00	0.00	0.00
1716486	10-5003-C/S-Sod Instltd	20,750.00	DOL	1,000.00	20.75	0.00	0.00	0.00	0.00	0.00	20,750.00	20,750.00
1726017	10-5004-BC Flail Mowr	0.00	CY	12,000.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1726087	10-5005-Sod Watering	2,832.00	GAL	2,400.00	1.18	1.00	1.18	887.71	93.57	0.00	0.00	981.29
1726202	10-8003-Fuel Truck	200.00	LHR	10.00	20.00	1.00	20.00	15,423.62	4,322.00	0.00	0.00	19,745.62
1726254	10-8004-Transport	50.00	LHR	3.00	16.67	1.00	16.67	13,526.31	4,854.30	0.00	0.00	18,380.61
1726302	10-9002-Misc. Activity	0.00	LHR	10.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1716813	10-9004-Landfill Fees	1,500.00	DOL	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	1,500.00	1,500.00
1734569	10-9020-ROW Cir & Haul	5.00	TN	5.00	1.00	3.00	3.00	2,178.50	712.70	0.00	0.00	2,891.20
1734570	10-9030-Inspection - Field	50.00	LHR	10.00	5.00	2.00	10.00	7,539.11	195.50	0.00	0.00	7,734.61
1716935	10-9031-Inspection C/S Mowing	15.00	LHR	10.00	1.50	1.00	1.50	0.00	58.65	0.00	0.00	58.65
1717029	10-9852-Supervision	300.00	LHR	10.00	30.00	1.00	30.00	26,344.53	1,173.00	0.00	0.00	27,517.53
1717098	10-9866-MSDR	75.00	LHR	10.00	7.50	1.00	7.50	4,927.55	0.00	0.00	0.00	4,927.55
	<b>Program 10 Totals:</b>	<b>6,348,520.00</b>			<b>1,902.26</b>		<b>696.94</b>	<b>543,208.80</b>	<b>208,283.18</b>	<b>47,007.39</b>	<b>22,250.00</b>	<b>820,749.36</b>
1717787	84-8412-Aquatic Weed Svcs	225,000.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	225,000.00	225,000.00
1717789	84-8468-ROW/Land Acquisition	0.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1717798	84-8470-Water Quality Monitoring Svc	107,309.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107,309.00	107,309.00
1717802	84-8471-Water Quality Project	0.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1717949	84-8486-Contract Dredging	500,000.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	500,000.00	500,000.00
1718001	84-8489-Drainage Project	0.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1718035	84-8490-Professional Engineer Svcs	250,000.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	250,000.00	250,000.00
1718072	84-8491-Oth Contr Svc 1 (See File)	30,000.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30,000.00	30,000.00

## Budget by Single MSBU

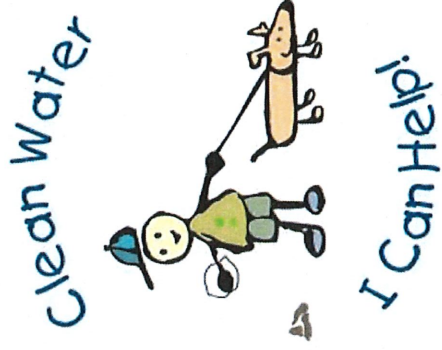
Department: All Departments  
Activity: All Activities

Budget Year: 2023-BUDGET  
MSBU Code: West Charl Stormwater

WO #	Activity	Work Quantity	Work UOM	ADP	Crew Days	Crew Size	Labor Days	Labor Cost	Tool Cost	Parts Cost	Lump Sum	Budget Total
1718107	84-8492-Oth Contr Svc 2 (See File)	0.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1718144	84-8494-C/S Pipe Liner	1,750,000.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,750,000.00	1,750,000.00
1718187	84-8496-C/S Specialty Mowing	26,450.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26,450.00	26,450.00
	<b>Program 84 Totals:</b>	<b>2,888,759.00</b>			<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2,888,759.00</b>	<b>2,888,759.00</b>
1718365	93-9357-Project Management	2,159.20	LHR	20.00	107.96	0.50	53.98	46,100.61	4,221.24	0.00	0.00	50,321.85
	<b>Program 93 Totals:</b>	<b>2,159.20</b>			<b>107.96</b>		<b>53.98</b>	<b>46,100.61</b>	<b>4,221.24</b>	<b>0.00</b>	<b>0.00</b>	<b>50,321.85</b>
1718488	94-9499-Drainage Inspection	0.00	LHR	8.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Program 94 Totals:</b>	<b>0.00</b>			<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
1718499	95-9532-Survey	0.00	LHR	20.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Program 95 Totals:</b>	<b>0.00</b>			<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
1718535	96-9605-Stormwater Design Support	0.00	LHR	20.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00
1718551	96-9657-Stormwater Project Mgmt	0.00	LHR	20.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00
1718567	96-9660-Stormwater Inspection	0.00	LHR	15.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Program 96 Totals:</b>	<b>0.00</b>			<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	<b>PW-WCSWM Totals:</b>	<b>9,239,438.20</b>			<b>2,010.22</b>		<b>750.92</b>	<b>589,309.41</b>	<b>212,504.42</b>	<b>47,007.39</b>	<b>2,911,009.00</b>	<b>3,759,830.21</b>



FY2023 Capital Improvements Budget / FY 2023 - FY 2028 Project Detail													Project No.						
													c390202						
GENERAL PROJECT DATA:													PROJECT NEED						
Project Title: National Pollution Discharge Elimination Pgm													PROJECT SCHEDULE						
Status: In Progress													PROJECT SCHEDULE						
Does project add new capacity?													PROJECT SCHEDULE						
Is project required to maintain level of service?													PROJECT SCHEDULE						
- Within 5 years? List project in CIE													PROJECT SCHEDULE						
- From 6 to 10 years? Monitor Annually													PROJECT SCHEDULE						
PROJECT DESCRIPTION:													PROJECT RATIONALE (Include Additional LOS Detail, if necessary):						
Continue to implement the National Pollution Discharge Elimination System (NPDES) Phase II permit for Charlotte County. The permit includes coordination with Florida Department of Transportation.													As required by the Environmental Protection Agency (EPA), operators of storm sewer systems are required to implement programs and practices to control polluted stormwater runoff. This project is to reduce adverse impacts to water quality and aquatic habitat by instituting the use of controls on unregulated sources of stormwater into Charlotte Harbor.						
Funding is split equally between Mid Charlotte, South Charlotte, and West Charlotte Stormwater Units.													Charlotte County received the first 5-year permit in 2003. The most recent renewal of the permit was received in January 2018 and is in effect until December 31, 2022. Minimum project requirements are public education and outreach, public participation/involvement, construction site runoff control and pollution prevention.						
OPERATING BUDGET IMPACT:																			
There are no additional operating impacts associated with this project.																			
Calc. for FY23																			
Prior Est Orig. Est c/o New \$																			
Actual FY22 FY23 to FY23 FY23 FY23																			
EXPENDITURE PLAN (000'S)																			
Design/Arch/Eng	446	16	50	163	-164	49	50	50	50	50	50	50	50	711					
Land (or ROW)																			
Construction	24													24					
Internal Costs	978	44	75	-29	29	75	75	75	75	75	75	75	75	1,397					
Equipment																			
Interest																			
Other Fees & Costs																			
Total Project Cost	1,447	60	125	134	-135	124	125	125	125	125	125	125	125	2,131					
FUNDING PLAN (000'S)																			
MSBJTU Assessments	1,442	55	125	135	-140	119	125	125	125	125	125	125	125	2,117					
Grants	5	5		-1	6	5								15					
Total Funding	1,447	60	125	134	-135	124	125	125	125	125	125	125	125	2,131					
LOAN REPAYMENT SCHEDULE (000'S)																			
OPERATING BUDGET IMPACT (000'S)																			
Personal Svc.																			
Non-personal																			
Capital																			
Total Operating																			



FY2023 Capital Improvements Budget / FY 2023 - FY 2028 Project Detail												Project No. c350305														
GENERAL PROJECT DATA:			Status In Progress				CONCURRENCY REQUIREMENTS:				PROJECT SCHEDULE		PROJECT NEED CRITERIA				PROJECT RATIONALE (Include Additional LOS Detail, if necessary):									
Project Title: Total Maximum Daily Load Program			Does project add new capacity? No				Is project required to maintain level of service: No				Design/Arch		Safety				The Environmental Protection Agency (EPA) is requiring all states to identify those waters within its boundaries not meeting water quality standards applicable to the waters' designated uses. In Florida, this program is being initiated/implemented by the Florida Department of Environmental Protection (FDEP). Possible water bodies affected by this program in Charlotte County are Charlotte Harbor and the Peace and Myakka Rivers. This project is to initiate efforts to address water quality issues that may be derived as this initiative by EPA and FDEP progresses.									
Functional Area: Stormwater Management			- Within 5 years? List project in CIE				- From 6 to 10 years? Monitor Annually				Land/ROW		Mandate													
Department: Public Works/Engineering											Construct		Replace													
Location: Stormwater MSBUs, County Wide											Equipment		Growth													
<b>PROJECT DESCRIPTION:</b>																										
The objective of the TMDL initiative is to develop water quality based controls to reduce pollution from both point and non-point sources and to restore and maintain the quality of water resources in designated areas identified by EPA/FDEP. The Engineering Consultant will address EPA and/or DEP requirements pertaining to initial development of this program. This work may include but not be limited to: modeling of pollutant loadings at locations designated by EPA and/or DEP and recommendations to address any mandated stormwater management projects.																										
Funding is split equally between Mid Charlotte, South Charlotte, and West Charlotte Stormwater Units.																										
<b>OPERATING BUDGET IMPACT:</b>																										
There are no additional operating impacts associated with this project.																										
Prior Actual			Est FY22			Orig. Est c/o FY23			New \$ FY23			EXPENDITURE PLAN (000'S)			FUTURE			Total								
5			400			400			400			400						405								
30			16			16			16			16						46								
35			416			416			416			416						451								
Total Project Cost									FUNDING PLAN (000'S)																	
35			416			416			416			416						451								
MSBU/TU Assessments									LOAN REPAYMENT SCHEDULE (000'S)																	
35			416			416			416			416						451								
Total Funding									OPERATING BUDGET IMPACT (000'S)																	
Total Loan Repayment																										
Personal Svc.																										
Non-personal Capital																										
Total Operating																										





FY2023 Capital Improvements Budget / FY 2023 - FY 2028 Project Detail										Project No. c392002															
GENERAL PROJECT DATA:		Status	In Progress	CONCURRENCY REQUIREMENTS		(Y/N)		PROJECT NEED		PROJECT SCHEDULE		FY23		FY24		FY25		FY26		FY27		FY28			
Project Title:		Canal Sediment Removal-West County		Does project add new capacity?	Yes/No	Yes/No		Safety	Desgn/Arch	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Functional Area:		Stormwater		Is project required to maintain level of service?	Yes/No	Yes/No		Mandate	Land/ROW																
Department:		Public Works/Engineering		- Within 5 years? List project in CIE	Yes/No	Yes/No		Replace	Construct																
Location:		West County		- From 6 to 10 years? Monitor Annually	Yes/No	Yes/No		Growth	Equipment																
PROJECT DESCRIPTION:		<p>The canals included in this project were originally dredged approximately 60 years ago. Over the years, sediment has built up in the canals which contain nutrients that degrade the water quality as well as take up vital storage for stormwater runoff. This project will regrade the canals to their original design capacity and it is anticipated that by removing the nutrient rich sediment will improve water quality. The County is working with the FDEP in order to use this project to mitigate for any future TMDL that might be imposed upon these canals.</p>																							
OPERATING BUDGET IMPACT:		<p>REPLACEMENT COUNTY PROPERTY NO.:</p>																							
There are no additional operating impacts associated with this project.																									
		Calc. for FY23				FY23		FY24		FY25		FY26		FY27		FY28		FUTURE		Total					
Prior Actual	Est FY22	Orig. FY23	Est c/o FY23	New \$ to FY23	FY23	FY24	FY25	FY26	FY27	FY28	FUTURE	Total													
5	5	100	226	-226	100	100	100	100	100	100	100	610													
		500	500	-500	500	500	500	500	500	500	500	3,000													
7	2	20	20	-20	20	20	20	20	20	20	20	130													
12	8	620	747	-746	621	620	620	620	620	620	620	3,740													
MSBUTU Assessments																									
12	8	620	747	-746	621	620	620	620	620	620	620	3,740													
Total Funding																									
LOAN REPAYMENT SCHEDULE (000'S)																									
OPERATING BUDGET IMPACT (000'S)																									
Personal Svc.																									
Non-personal																									
Capital																									
Total Operating																									



**Prelim**  
**6.30.22 Rev1**

CHARLOTTE COUNTY PUBLIC WORKS DIVISION  
FY 2022/23 BUDGET  
WEST CHARLOTTE STORMWATER UTILITY UNIT (WX)  
FUND # 1188  
PROPOSED STORMWATER UTILITY WORK PROGRAM

ESTIMATED ACRES - FY221/23	Occupied				10,627.6
ESTIMATED ACRES - FY221/23	Vacant				13,445.9
		COST PER	Per Average		
		<u>Acres</u>	<u>Qtr Acres Lot</u>	<u>TOTAL</u>	
PROJECTED FUND BALANCE - 10/1/22					\$ 4,019,077
ESTIMATED REVENUE AT PROPOSED RATE	Vacant	\$ 45.46	\$ 11.37		
	Occupied	\$ 50.00	\$ 12.50		1,099,665
FUNDS AVAILABLE					5,118,741
GRAND TOTAL MSBU WORK PROGRAM		\$157.96			3,802,701
BALANCE AFTER PROGRAM					1,316,041
OTHER CASH OUTFLOWS (TRANSFERS OUT)					-
<b>PROJECTED FUND BALANCE - 9/30/23</b>					<b>\$ 1,316,041</b>
<b><u>TRANSFERS AND RESERVES SUMMARY</u></b>					
RESERVE FOR FUTURE CAPITAL OUTLAY					292,292
RESERVE FOR CONTINGENCY-REGULAR					511,874
RESERVE-CASH CARRIED FORWARD					511,874
TOTAL TRANSFERS AND RESERVES					1,316,041
<b>***TOTAL CASH OUTFLOWS AND RESERVES/BALANCE***</b>					<b>\$ 5,118,741</b>
Desired Minimum Fund Balance:		\$633,783			
Allowable Fund Balance:		\$1,023,748			

RATE HISTORY:	UNIT OF MEAS	COST PER UOM	PER 80' LOT
FY 2013/14 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2013/14 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2014/15 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2014/15 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2015/16 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2015/16 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2016/17 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2016/17 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2017/18 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2017/18 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2018/19 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2018/19 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2019/20 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2019/20 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2020/21 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2020/21 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2021/22 - Vacant	ACRE	\$ 45.46	\$ 11.37
FY 2021/22 - Occupied	ACRE	\$ 50.00	\$ 12.50
FY 2022/23 - Vacant - Proposed	ACRE	\$ 45.46	\$ 11.37
FY 2022/23 - Occupied - Proposed	ACRE	\$ 50.00	\$ 12.50

CURRENT MAXIMUM RATE \$ 50.00

CHARLOTTE COUNTY PUBLIC WORKS DIVISION  
 FY 2022/23 BUDGET  
 WEST CHARLOTTE STORMWATER UTILITY UNIT (WX)  
 FUND # 1188  
 PROPOSED STORMWATER UTILITY WORK PROGRAM

<u>PUBLIC WORKS SERVICES</u>		<u>TOTAL EXP</u>
	Maintenance Services	\$ 589,309
	Equipment Charges	212,504
	Lighting Materials	
	R&B Materials	47,007
	<b>TOTAL PUBLIC WORKS SERVICES</b>	<b>848,821</b>
<u>OTHER DIRECT COSTS</u>		
	Postage & Notices	-
	Central/Indirect Services Allocation	16,534
	Advertising - Legal	150
c390202	Per. Services - Inter Dept. (FYN)	3,333
	<b>TOTAL OTHER DIRECT COST</b>	<b>20,017</b>
<u>CONTRACT SERVICES</u>		
	Landfill Fees	10-9004 1,500
	C/S - Sod Installed	10-5003 20,750
	C/S - Vegetation - Grass Carp	84-8491 25,000
	C/S - Vegetation - Oyster Creek Flow Enhancement	84-8491
	C/S - ROW Reclamation	84-8480
c390202	P/S - NPDES	84-8490 16,667
c390305	P/S - TMD Load Program-Waer Quality Monitoring	84-8490 133,333
c392002	P/S - Canal Sediment Removal	84-8490 100,000
c392002	C/S - Canal Sediment Removal	84-8486 500,000
s390601	C/S - R/M Locks	84-8491 5,000
	Reimb Aquatic Weed Chgs	84-8412 225,000
	C/S - Specialty Mowing	84-8496 26,450
	C/S - Pipe Liner	84-8494 1,750,000
	C/S - Water Quality Monitoring	84-8470 107,309
	<b>TOTAL CONTRACT SERVICES</b>	<b>2,911,009</b>
	 <b>TOTAL WORK PROGRAM</b>	 <b>3,779,848</b>
	 <b>TAX COLLECTOR-COLLECTION FEE</b>	 <b>22,853</b>
	 <b>DEBT SERVICE</b>	 <b>-</b>
	 <b>GRAND TOTAL MSBU WORK PROGRAM</b>	 <b>\$ 3,802,701</b>

## Budget by Single MSBU

Department: All Departments  
Activity: All Activities

Budget Year: 2023-BUDGET  
MSBU Code: West Charl Stormwater

WO #	Activity	Work Quantity	Work UOM	ADP	Crew Days	Crew Size	Labor Days	Labor Cost	Tool Cost	Parts Cost	Lump Sum	Budget Total
<b>West Charl Stormwater</b>												
1734571	10-2002-Catch Basins	2.00	CB	1.00	2.00	3.00	6.00	4,338.02	860.80	803.98	0.00	6,002.80
1724443	10-2007-Mitered Ends	0.00	PE	2.25	0.00	2.36	0.00	0.00	0.00	0.00	0.00	0.00
1724995	10-2011-Catch Basin Repair	6.00	RPR	1.00	6.00	2.00	12.00	8,617.94	1,165.17	1,366.13	0.00	11,149.23
1725103	10-3001-Drainage Maint.	20,000.00	SF	3,500.00	5.71	4.25	24.27	17,899.64	3,085.26	2.75	0.00	20,987.64
1725650	10-3002-Major Outfall	50,000.00	SY	1,200.00	41.67	4.00	166.68	131,893.64	48,387.20	5,127.08	0.00	185,407.92
1725193	10-3003-VAC Cul Clean	100.00	CULV	10.00	10.00	2.00	20.00	14,664.33	4,422.00	0.00	0.00	19,086.33
1725693	10-3004-Sm Pipe Inst	240.00	LF	32.00	7.50	3.00	22.50	16,338.73	3,453.75	9,960.57	0.00	29,753.05
1725284	10-3006-Menzi Muck	6,250,000.00	SF	33,000.00	189.39	1.15	217.80	176,725.26	119,580.85	0.00	0.00	296,306.10
1716167	10-3008-Ret Basins	100.00	LHR	24.00	4.17	2.25	9.38	6,550.94	501.71	37.25	0.00	7,089.91
1734567	10-3009-Sidelot Outfall	2,000.00	SF	2,500.00	0.80	4.00	3.20	2,376.83	421.12	191.72	0.00	2,989.67
1725797	10-3010-Lg Pipe Inst	240.00	LF	40.00	6.00	4.00	24.00	17,826.20	3,374.40	25,214.14	0.00	46,414.73
1734568	10-3011-Lg Pipe Rpr	50.00	EA	2.00	25.00	4.00	100.00	74,275.83	11,512.50	4,303.77	0.00	90,092.11
1725959	10-5000-Brush Cut-Response	5.00	ICD	12.00	0.42	3.00	1.26	874.11	108.70	0.00	0.00	982.81
1716461	10-5001-Brush Cut-Routine	0.00	CY	2,700.00	0.00	3.75	0.00	0.00	0.00	0.00	0.00	0.00
1716486	10-5003-C/S-Sod Instlld	20,750.00	DOL	1,000.00	20.75	0.00	0.00	0.00	0.00	0.00	20,750.00	20,750.00
1726017	10-5004-BC Flail Mowr	0.00	CY	12,000.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1726087	10-5005-Sod Watering	2,832.00	GAL	2,400.00	1.18	1.00	1.18	887.71	93.57	0.00	0.00	981.29
1726202	10-8003-Fuel Truck	200.00	LHR	10.00	20.00	1.00	20.00	15,423.62	4,322.00	0.00	0.00	19,745.62
1726254	10-8004-Transport	50.00	LHR	3.00	16.67	1.00	16.67	13,526.31	4,854.30	0.00	0.00	18,380.61
1726302	10-9002-Misc. Activity	0.00	LHR	10.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1716813	10-9004-Landfill Fees	1,500.00	DOL	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	1,500.00	1,500.00
1734569	10-9020-ROW Clr & Haul	5.00	TN	5.00	1.00	3.00	3.00	2,178.50	712.70	0.00	0.00	2,891.20
1734570	10-9030-Inspection - Field	50.00	LHR	10.00	5.00	2.00	10.00	7,539.11	195.50	0.00	0.00	7,734.61
1716935	10-9031-Inspection C/S Mowing	15.00	LHR	10.00	1.50	1.00	1.50	58.65	58.65	0.00	0.00	58.65
1717029	10-9852-Supervision	300.00	LHR	10.00	30.00	1.00	30.00	26,344.53	1,173.00	0.00	0.00	27,517.53
1717098	10-9866-MSDR	75.00	LHR	10.00	7.50	1.00	7.50	4,927.55	0.00	0.00	0.00	4,927.55
	<b>Program 10 Totals:</b>	<b>6,348,520.00</b>			<b>1,902.26</b>		<b>696.94</b>	<b>543,208.80</b>	<b>208,283.18</b>	<b>47,007.39</b>	<b>22,250.00</b>	<b>820,749.36</b>
1717787	84-8412-Aquatic Weed Svcs	225,000.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	225,000.00	225,000.00
1717789	84-8468-ROW/Land Acquisition	0.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1717798	84-8470-Water Quality Monitoring Svc	107,309.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107,309.00	107,309.00
1717802	84-8471-Water Quality Project	0.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1717949	84-8486-Contract Dredging	500,000.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	500,000.00	500,000.00
1718001	84-8489-Drainage Project	0.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1718035	84-8490-Professional Engineer Svcs	250,000.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	250,000.00	250,000.00
1718072	84-8491-Oth Contr Svc 1 (See File)	30,000.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30,000.00	30,000.00

## Budget by Single MSBU

**Budget Year:** 2023-BUDGET  
**MSBU Code:** West Charl Stormwater

**Department:** All Departments  
**Activity:** All Activities

WO #	Activity	Work Quantity	Work UOM	ADP	Crew Days	Crew Size	Labor Days	Labor Cost	Labor Cost	Tool Cost	Parts Cost	Lump Sum	Budget Total
1718107	84-8492-Oth Contr Svc 2 (See File)	0.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1718144	84-8494-C/S Pipe Liner	1,750,000.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,750,000.00	1,750,000.00
1718187	84-8496-C/S Specialty Mowing	26,450.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26,450.00	26,450.00
	<b>Program 84 Totals:</b>	<b>2,888,759.00</b>			<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2,888,759.00</b>	<b>2,888,759.00</b>
1718365	93-9357-Project Management	2,159.20	LHR	20.00	107.96	0.50	53.98	46,100.61	4,221.24	0.00	0.00	0.00	50,321.85
	<b>Program 93 Totals:</b>	<b>2,159.20</b>			<b>107.96</b>		<b>53.98</b>	<b>46,100.61</b>	<b>4,221.24</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>50,321.85</b>
1718488	94-9499-Drainage Inspection	0.00	LHR	8.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Program 94 Totals:</b>	<b>0.00</b>			<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
1718499	95-9532-Survey	0.00	LHR	20.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Program 95 Totals:</b>	<b>0.00</b>			<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
1718535	96-9605-Stormwater Design Support	0.00	LHR	20.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1718551	96-9657-Stormwater Project Mgmt	0.00	LHR	20.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1718567	96-9660-Stormwater Inspection	0.00	LHR	15.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Program 96 Totals:</b>	<b>0.00</b>			<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	<b>PW-WCSWM Totals:</b>	<b>9,239,438.20</b>			<b>2,010.22</b>		<b>750.92</b>	<b>589,309.41</b>	<b>212,504.42</b>	<b>47,007.39</b>	<b>2,911,009.00</b>	<b>3,759,830.21</b>	





GENERAL PROJECT DATA:		Status	In Progress	PROJECT SCHEDULE												
Project Title:		Total Maximum Daily Load Program	Does project add new capacity?	(Y/N)	PROJECT NEED CRITERIA											
Functional Area:		Stormwater Management	Is project required to maintain level of service:		Design/Arch	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	
Department:		Public Works/Engineering	- Within 5 years? List project in CIE	No	Land/ROW	1	2	3	4	1	2	3	4	1	2	
Location:		Stormwater MSBUs, County Wide	- From 6 to 10 years? Monitor Annually	No	Construct	1	2	3	4	1	2	3	4	1	2	
PROJECT DESCRIPTION:		The Environmental Protection Agency (EPA) is requiring all states to identify those waters within its boundaries not meeting water quality standards applicable to the waters' designated uses. In Florida, this program is being initiated/implemented by the Florida Department of Environmental Protection (FDEP). Possible water bodies affected by this program in Charlotte County are Charlotte Harbor and the Peace and Myakka Rivers. This project is to initiate efforts to address water quality issues that may be derived as this initiative by EPA and FDEP progresses.														

**REPLACEMENT COUNTY PROPERTY NO.:**

REPLACEMENT COUNTY PROPERTY NO.:

REPLACEMENT COUNTY PROPERTY NO.:

There are no additional operating impacts associated with this project.

OPERATING BUDGET IMPACT:

	Prior Actual	Est FY22	Orig. Est c/o FY23	New \$ FY23	EXPENDITURE PLAN (000'S)										Total		
					FY23	FY24	FY25	FY26	FY27	FY28	FUTURE						
Design/Arch/Eng	5		400		400											405	
Land (or ROW)																	
Construction	30		16		16												46
Internal Costs																	
Equipment																	
Interest																	
Other Fees & Costs																	
<b>Total Project Cost</b>	<b>35</b>		<b>416</b>		<b>416</b>												<b>451</b>

FUNDING PLAN (000'S)

	FY23	FY24	FY25	FY26	FY27	FY28	FUTURE	Total
MSBU/JTU Assessments	416							416
<b>Total Funding</b>	<b>416</b>							<b>416</b>

LOAN REPAYMENT SCHEDULE (000'S)

	FY23	FY24	FY25	FY26	FY27	FY28	FUTURE	Total
<b>Total Loan Repayment</b>								

OPERATING BUDGET IMPACT (000'S)

	FY23	FY24	FY25	FY26	FY27	FY28	FUTURE	Total
Personal Svc.								
Non-personal								
Capital								
<b>Total Operating</b>								





FY2023 Capital Improvements Budget / FY 2023 - FY 2028 Project Detail										Project No. c392002														
GENERAL PROJECT DATA:		Status	In Progress	CONCURRENCY REQUIREMENTS		(Y/N)		PROJECT NEED CRITERIA		PROJECT SCHEDULE		FY23		FY24		FY25		FY26		FY27		FY28		
Project Title:		Canal Sediment Removal-West County		Does project add new capacity?		Yes/No		Safety		Design/Arch		1 2 3 4		1 2 3 4		1 2 3 4		1 2 3 4		1 2 3 4		1 2 3 4		
Functional Area:		Stormwater		Is project required to maintain level of service:		Yes/No		Mandate		Land/ROW		1 2 3 4		1 2 3 4		1 2 3 4		1 2 3 4		1 2 3 4		1 2 3 4		
Department:		Public Works/Engineering		- Within 5 years? List project in CIE		Yes/No		Replace		Construct		1 2 3 4		1 2 3 4		1 2 3 4		1 2 3 4		1 2 3 4		1 2 3 4		
Location:		West County		- From 6 to 10 years? Monitor Annually		Yes/No		Growth		Equipment		1 2 3 4		1 2 3 4		1 2 3 4		1 2 3 4		1 2 3 4		1 2 3 4		
<b>PROJECT DESCRIPTION:</b>																								
This project will provide for the engineering design and construction for the sediment removal, nutrient removal and vegetation removal in order to maintain positive drainage in the West County upland canals.																								
Funding is provided from the West County Stormwater Unit.																								
<b>OPERATING BUDGET IMPACT:</b>																								
There are no additional operating impacts associated with this project.																								
<b>REPLACEMENT COUNTY PROPERTY NO.:</b>																								
Proposed Canals: Claremont WW Butterford WW Newgate WW Blueberry Lake March WW Seamist WW Memorial WW Mighty Rotonda River Rotonda Canals																								
Total Project Cost		12	8	620	747	-746	621	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	3,740
MSBU/TU Assessments																								
Total Funding		12	8	620	747	-746	621	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	3,740
LOAN REPAYMENT SCHEDULE (000'S)																								
Total Loan Repayment																								
OPERATING BUDGET IMPACT (000'S)																								
Personal Svc.																								
Non-personal Capital																								
Total Operating																								

Public Works Engineering Project Manager Matt Logan and Project manager Karen Bliss went out to the Lemon Bay Lake to get an idea of what culverts needed to have the fish grates installed. They found 3 drop structures located on Flamingo Avenue that currently have wide spaced grates on them. I assume for public safety reasons. Each of these culverts are about 45" diameter. They are corrugated metal pipe that have been encased in concrete. The openings are at a roughly 45-degree angle toward the upstream side of the lake. The graphics shown on the UF grass carp grate guidelines does not cover this type of application. It does show 90-degree vertical drop structures that can have a grate installed. They feel this location would require an engineered grate or something machined to fit these pipes. These pipes do have some damage to them at the openings that should be fixed before the grates are attached.

The fish grates that were installed by M&O in 2014 in Rotonda costs \$4,400 for the material only for the three 45" culverts at Buck Creek. I would reason the grates for these culverts would be about double that cost due to the specialized fabrication required and the current economic climate. It shouldn't take more than a week to install the grates once they were made depending on the water level at the time.

**2014** \$21,400.00 material only. Gulf Coast Aquatics, Inc. was the lowest/only bidder.

**SCOPE OF SERVICES:** It is the intent of Charlotte County to secure the services of an experienced firm to furnish and install fish barriers at three (3) existing weir locations on the Rotonda River Waterway. The three (3) existing weir locations are Weir 5A, 6A & 7 as shown on the attached exhibit "A". No supply, procurement or acquisition of fish is involved in this

Quotation: this will be the sole responsibility of the County. Fish barriers shall be furnished and installed at Weir 5A, Weir 6A and Weir 7 (Buck Creek Outfall).

The work shall consist of (but not limited to) all labor, equipment, training, licenses, experience for the furnishing and installation of fish barriers to meet or exceed the following criteria:

1. Barrier shall be constructed to allow a width of **no more than 1 ½"**, this includes any gaps, openings or spaces within the entire barrier structure.
2. Barrier material shall be all 316 stainless steels for barriers, fasteners, braces, anchors, screws, etc.
3. Contractor shall submit shop drawings. The design life of the barriers shall be a minimum of 20 years. Also, a design showing protection of the public from harm, accident or impalement on or around the proposed fish barriers.
4. Barriers at Weir 5A & 6A shall extend to a height above the existing weir concrete cap and at the Weir 7 (Buck Creek



outfall), a minimum height 6" above the top of existing culvert. All barriers shall extend into the bottom of the natural channel a minimum of 6" in the event scour and sediment erosion occurs.

5. The attached Exhibit entitled "Supplement to Application to Possess Triploid Grass Carp Barriers for Inlets and Outlets" shall be a guiding document for the Contractor and this application must be filed by the County at the time of completion and accepted prior to final release of the project.

6. Despite the suggested vertical orientation of the rods or bars (as shown in the attached Exhibit entitled "Supplement to Application to Possess Triploid Grass Carp Barriers for Inlets and Outlets"), the West Charlotte Stormwater Unit Advisory Committee would like the orientation of the rods or bars to be of the horizontal nature. It is the opinions of

**3 RFQ No. 2014000257**

this committee the horizontal orientation will allow better unrestricted flow of the waterway. The horizontal rods or bars must be securely spliced with no gaps or openings greater than 1 ½".

7. Plan sheets depicting the existing survey conditions of the three (3) weir locations have been provided for your



















**BARRIERS TO RESTRICT MOVEMENT OF GRASS CARP FOR MANAGEMENT OF AQUATIC WEEDS**, University of Florida Institute of Food and Agricultural Sciences, December 1985

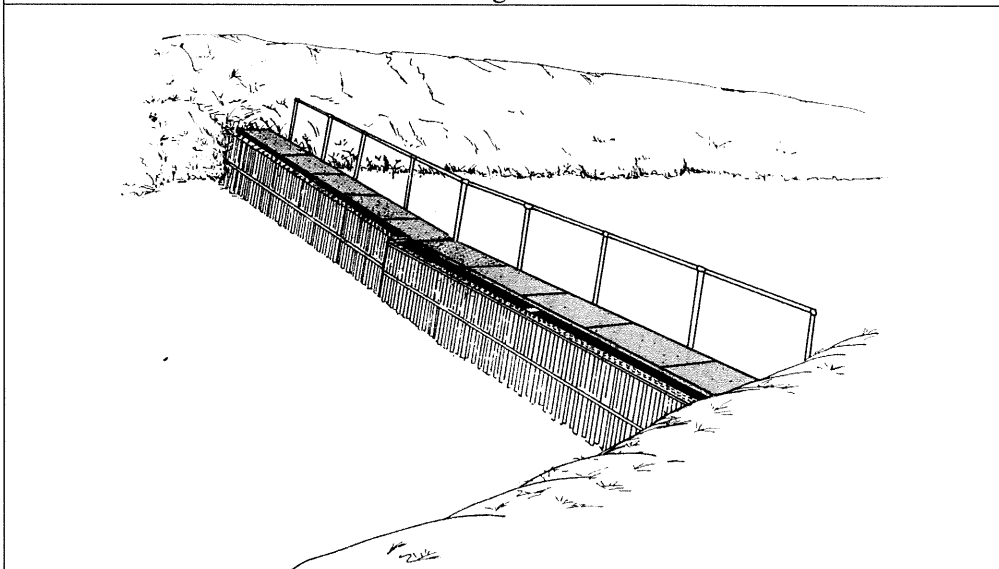
**INTRODUCTION:** Herbivorous fish are effective for the biological control of aquatic weeds. Grass carp (*Ctenopharyngodon idella* Val.) can be used successfully for aquatic weed control in Florida. The Florida Game and Fresh Water Fish Commission is now issuing permits for the use of triploid grass carp for the biological control of aquatic weeds in Florida. No one is allowed to transport into the state, introduce, or possess any grass carp until a permit has been received from the Florida Game and Fresh Water Fish Commission. Triploid grass carp are those fish which have been certified as having 3 chromosome sets in their cells. Normal grass carp have 2 chromosome sets. The grass carp are purposefully produced as triploids so they will be sterile when mature.

**FISH CONTAINMENT:** When stocking triploid grass carp (hereafter referred to as "grass carp") to control aquatic weeds, it is important to select the proper stocking rate of fish for the specific conditions in the treatment area. It is necessary to ensure that these fish will remain in the treatment area for weed control. If there are canals, ditches, culverts, streams, or any other type of flow into or from the water body where the fish will be stocked, steps must be taken to restrict movement of the fish. One way to contain the grass carp is to place a rigid barrier across the open channel that will not allow them to pass, yet will not significantly restrict water flow.

**PURPOSE OF FISH BARRIER:** The fish barriers described in this publication were designed to: (1) contain the grass carp; (2) have openings large enough to allow floating materials, suspended detritus, and weed fragments to pass through the barrier during periods of water flow, yet small enough to prevent passage of the grass carp; and (3) permit easy removal of vegetation and debris from the front of the barrier by an individual using a hand tool such as a rake.

**BARRIER DESCRIPTION:** A free-standing barrier consisting of vertical bars, shown in Figure 1, can be placed across a ditch, canal, or from shore to shore across any body of water at a location where it is desired to restrict the movement of the grass carp. The walkway allows easy access to the full width of the barrier for cleaning of debris which may collect against the vertical bars. The walkway also provides support for the vertical bars.

**Figure 1.** Full view of a cross-waterway barrier which can be used to restrict fish movement at a site with no existing structure.



Barriers can also be mounted on suitable, existing structures, such as the ones shown in Figures 2 and 3, which are attached to the risers of a flashboard structure.

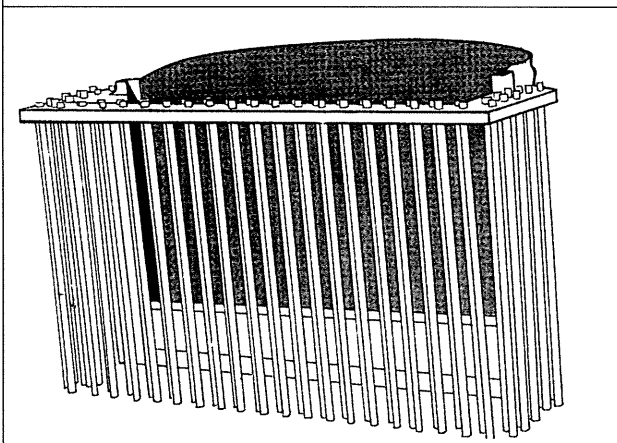
The vertical restraining bars have been constructed from different materials. One such material used was 18-8 stainless steel conduit, 7/8 inch (2.2 cm) in diameter, set in two rows on 2-inch (5.1 cm) staggered centers, creating a 1-1/8 inch (2.9 cm) gap. A view of this bar spacing is shown in Figure 4a. The stainless steel conduit was used because of its availability; however, galvanized or black iron pipe 1/2 inch (1.3 cm) in diameter, galvanized conduit, solid rod 3/4 to 1 inch (1.9 to 2.5 cm) in diameter, or 1/2 inch (1.3 cm) schedule 40 PVC pipe would have been equally suitable. We now suggest the use of schedule 40 PVC pipe because of its resistance to corrosion, and the characteristic of allowing debris to pass more easily through the barrier.

The conduit was located by holes in horizontal 4 x 1-5/8 inch (10 x 4.1 cm), 5,4 pounds per foot (2.4 kg per 0.30 m), channel at the top of the barrier, with other supporting channel spaced at approximately 3 foot (0.91 m) intervals. The channels were installed with the flange down and the web up, and attached to the walkway or drop structure track. Side channels, welded to the front channel to form a continuous structure, supported the barrier's vertical bars 12 to 16 inches (30 to 41 cm) in front of the walkway or flashboard structure. The side channels also supported and located vertical rods in the same pattern as the front channels. To construct the bottom of the vertical bar structure, install a section of horizontal channel, similar to Page 2 of 3 the top channel, and allow the vertical bars to extend down through to the lower channel. The flashboard riser frame should seal all areas completely. The frame should include a bottom that serves as an extension of the flashboard riser bottom. This gives a rigid, secure barrier around all sides of the structure.

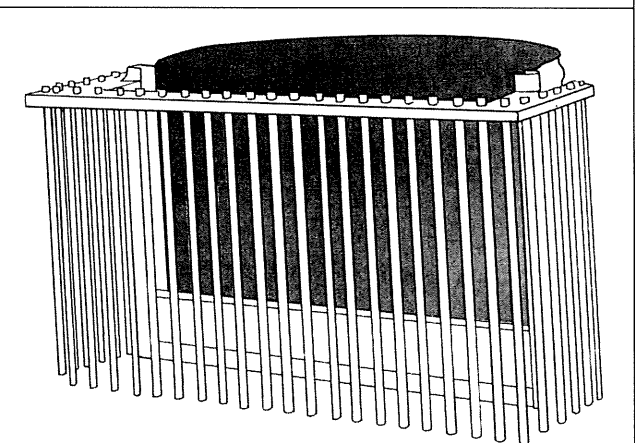
As the width of the barrier increases, the horizontal channel and other material used to support the vertical bars should be of a heavier gauge to withstand pressures exerted from a head of water should debris block the barrier.

The walkways and tops of the drop structures were covered with expanded steel on the side toward the containment to prevent fish from jumping over the tops of the barriers.

**Figure 2.** Barrier constructed using a double row of vertical bars mounted on a flashboard riser water control structure.

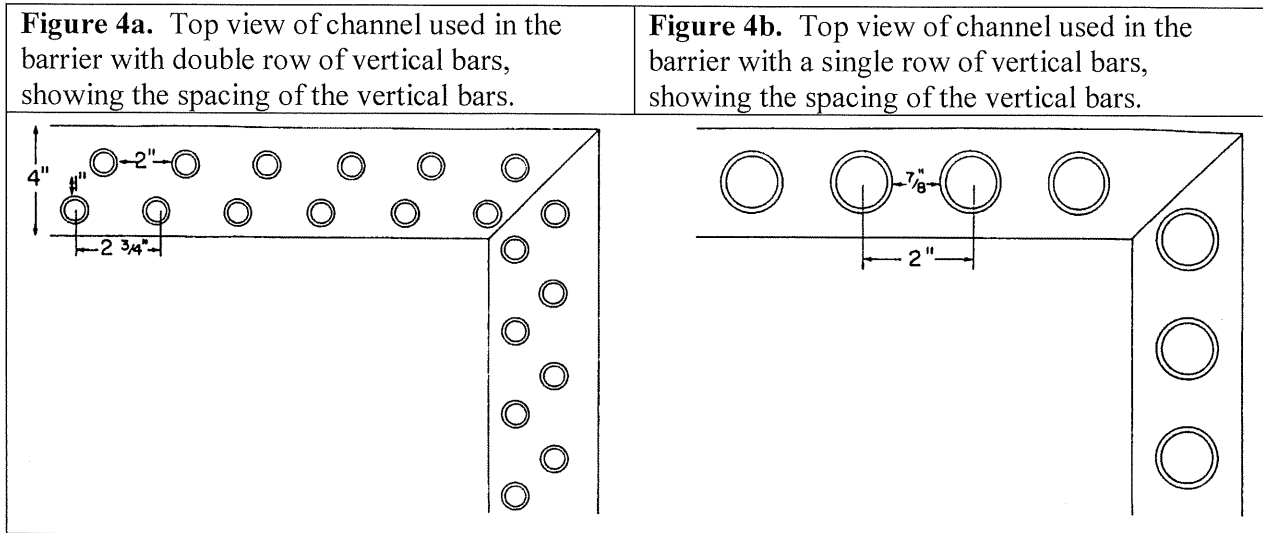


**Figure 3.** Barrier constructed using a single row of vertical bars mounted on a flashboard riser water control structure.





Other barriers have had vertical bars which were 1/2 inch (1.3 cm) schedule 40 PVC pipe in a single plane on 2-inch (5.1 cm) centers. The welded frames which held the pipes had a 2 x 1-inch (5.1 x 2.5 cm) channel sill and side verticals and either flat bar or channel cross bars on 18 to 24-inch (45 to 61 cm) spacings. The sills were set 6 to 8 inches (15 to 20 cm) below the bottom of the drop structure with the flanges up to restrain the pipes laterally. Siltation around the bottoms of the pipes also helped lateral restraint. The pipes were secured downward by a cotter pin below the upper cross bar and could be removed for cleaning or replacement. The sides of the frame, which projected approximately 12 inches (30 cm) in front of the drop structures, were covered with 16 gauge, 1 x 2-inch (2.5 x 5.1 cm) or 1-1/2 x 3-inch (3.8 x 7.6 cm) mesh expanded steel.



**ROUND CULVERT BARRIERS:** To place a barrier on corrugated steel culvert, the vertical bars were supported in a square frame. This frame was welded to a steel band for mounting on the culvert. The steel band was then placed over the culvert so that it encircled the end of the culvert. The steel band should be bolted or firmly attached in some way to secure the frame with the vertical bars flush against the opening of the culvert. This will prevent movement of the grass carp through the culvert.

**SUMMARY - RECOMMENDED BARRIER DESIGN:** The barrier design that best fulfills the requirements is a steel frame supporting a single row of vertical bars of PVC pipe. The use of PVC pipe eliminates the problems caused by corrosion of steel vertical bars. As the steel corrodes, there is a greater tendency for debris to catch in the barrier, and maintenance time increases. This design will contain effectively the grass carp, while permitting relatively easy cleaning of debris from the vertical bars. The barriers should be mounted on the upstream side of the culverts so the floating debris will not collect inside the culverts. The steel in the construction should have a suitable coating to prevent oxidation (rusting) and corrosion. The spacing of the vertical bars should be set as wide as possible to pass the maximum amount of debris, yet not large enough to permit movement of the grass carp being stocked. The 1/2 inch (1.3 cm) schedule 40 PVC pipe in a single row on 2-inch (5.1 cm) centers should contain most all grass now being sold for stocking.

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