

LAND USE

188 Attachment 6

**Schedule XXIV-A
Stormwater Management Annual Cost Calculation Form
[Added 8-12-2008 by Ord. No. O-08-31]**

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
<u>Bioretention System</u>				
	Facility Inspections (Performed quarterly)	LS	\$292.00	\$0.00
	Misc. Inspections (Rainfall exceeding 1" & Vegative Restoration)	LS	\$547.50	\$0.00
	Localized Debris Removal	SY	\$1.72	\$0.00
	Tilling	SF	\$0.23	\$0.00
	Mowing (performed four times annually)	ACRE	\$292.00	\$0.00
	Vegetative Maintenance (Includes trimming and weeding) (performed four times annually)	SY	\$1.72	\$0.00
	Structural Components Restoration (Replacement assumed every 20 years)			
	12" dia. Conc. Headwall	EA	\$28.75	\$0.00
	15" dia. Conc. Headwall	EA	\$30.00	\$0.00
	18" dia. Conc. Headwall	EA	\$45.00	\$0.00
	21" dia. Conc. Headwall	EA	\$53.75	\$0.00
	24" dia. Conc. Headwall	EA	\$65.00	\$0.00
	27" dia. Conc. Headwall	EA	\$69.00	\$0.00
	30" dia. Conc. Headwall	EA	\$76.50	\$0.00
	36" dia. Conc. Headwall	EA	\$97.50	\$0.00
	42" dia. Conc. Headwall	EA	\$113.75	\$0.00
	48" dia. Conc. Headwall	EA	\$138.00	\$0.00
	54" dia. Conc. Headwall	EA	\$168.00	\$0.00
	60" dia. Conc. Headwall	EA	\$210.00	\$0.00
	66" dia. Conc. Headwall	EA	\$340.25	\$0.00
	72" dia. Conc. Headwall	EA	\$312.00	\$0.00
	78" dia. Conc. Headwall	EA	\$534.00	\$0.00
	84" dia. Conc. Headwall	EA	\$631.75	\$0.00
	90" dia. Conc. Headwall	EA	\$738.00	\$0.00
	96" dia. Conc. Headwall	EA	\$860.50	\$0.00
	15" Flared End Section	EA	\$8.75	\$0.00
	18" Flared End Section	EA	\$9.60	\$0.00
	21" Flared End Section	EA	\$10.80	\$0.00
	24" Flared End Section	EA	\$12.00	\$0.00
	27" Flared End Section	EA	\$14.00	\$0.00
	30" Flared End Section	EA	\$16.00	\$0.00
	36" Flared End Section	EA	\$18.00	\$0.00
	42" Flared End Section	EA	\$26.00	\$0.00
	48" Flared End Section	EA	\$31.50	\$0.00
	54" Flared End Section	EA	\$39.60	\$0.00
	60" Flared End Section	EA	\$49.25	\$0.00
	66" Flared End Section	EA	\$59.50	\$0.00
	72" Flared End Section	EA	\$70.00	\$0.00

HOWELL CODE

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
	78" Flared End Section	EA	\$84.00	\$0.00
	84" Flared End Section	EA	\$92.75	\$0.00
	90" Flared End Section	EA	\$104.00	\$0.00
	96" Flared End Section	EA	\$124.00	\$0.00
	Outlet Structure	EA	\$80.00	\$0.00
	Low Flow Channel	SF	\$0.25	\$0.00
	5' Concrete Retaining Wall	LF	\$4.00	\$0.00
	Rip Rap – 4" stone	Ton	\$2.00	\$0.00
	Rip Rap – 6" stone	Ton	\$2.50	\$0.00
	Rip Rap – 8" stone	Ton	\$2.75	\$0.00
	Rip Rap – 12" stone	Ton	\$3.00	\$0.00
	Rip Rap – 24" stone	Ton	\$3.60	\$0.00
	Detention Basin Topsoil, Seed, & Mulch	SY	\$0.25	\$0.00
	3' Board on Board Fence	LF	\$0.50	\$0.00
	4' Board on Board Fence	LF	\$0.75	\$0.00
	6' Board on Board Fence	LF	\$0.85	\$0.00
	7' Board on Board Fence	LF	\$0.90	\$0.00
	8' Board on Board Fence	LF	\$0.95	\$0.00
	Fence & Gate w/Top Rail – 4'	LF	\$0.70	\$0.00
	Fence & Gate w/Top Rail – 6'	LF	\$0.80	\$0.00
	4' Chain Link Fence	LF	\$0.40	\$0.00
	6' Chain Link Fence	LF	\$0.50	\$0.00
	10' Chain Link Fence	LF	\$0.65	\$0.00
	Access Ramp Restoration	SY	\$0.50	\$0.00
	Emergency Spillway Restoration	EA	\$80.00	\$0.00
	Sand Bed Restoration	CY	\$2.50	\$0.00
	Testing			
	Permeability Testing	LS	\$500.00	\$0.00
	Drain Time Testing	LS	\$292.00	\$0.00
	<u>Constructed Stormwater Wetlands</u>			
	Facility Inspections (Performed quarterly)	LS	\$292.00	\$0.00
	Misc. Inspections (Rainfall exceeding 1" & Vegative Restoration)	LS	\$547.50	\$0.00
	Localized Debris Removal	SY	\$1.72	\$0.00
	Tilling	SF	\$0.23	\$0.00
	Mowing (performed four times annually)	ACRE	\$292.00	\$0.00
	Vegetative Maintenance (Includes trimming and weeding) (performed four times annually)	SY	\$1.72	\$0.00
	Structural Components Restoration (Replacement assumed every 20 years)			
	12" dia. Conc. Headwall	EA	\$28.75	\$0.00
	15" dia. Conc. Headwall	EA	\$30.00	\$0.00
	18" dia. Conc. Headwall	EA	\$45.00	\$0.00
	21" dia. Conc. Headwall	EA	\$53.75	\$0.00
	24" dia. Conc. Headwall	EA	\$65.00	\$0.00
	27" dia. Conc. Headwall	EA	\$69.00	\$0.00
	30" dia. Conc. Headwall	EA	\$76.50	\$0.00

LAND USE

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
	36" dia. Conc. Headwall	EA	\$97.50	\$0.00
	42" dia. Conc. Headwall	EA	\$113.75	\$0.00
	48" dia. Conc. Headwall	EA	\$138.00	\$0.00
	54" dia. Conc. Headwall	EA	\$168.00	\$0.00
	60" dia. Conc. Headwall	EA	\$210.00	\$0.00
	66" dia. Conc. Headwall	EA	\$340.25	\$0.00
	72" dia. Conc. Headwall	EA	\$312.00	\$0.00
	78" dia. Conc. Headwall	EA	\$534.00	\$0.00
	84" dia. Conc. Headwall	EA	\$631.75	\$0.00
	90" dia. Conc. Headwall	EA	\$738.00	\$0.00
	96" dia. Conc. Headwall	EA	\$860.50	\$0.00
	15" Flared End Section	EA	\$8.75	\$0.00
	18" Flared End Section	EA	\$9.60	\$0.00
	21" Flared End Section	EA	\$10.80	\$0.00
	24" Flared End Section	EA	\$12.00	\$0.00
	27" Flared End Section	EA	\$14.00	\$0.00
	30" Flared End Section	EA	\$16.00	\$0.00
	36" Flared End Section	EA	\$18.00	\$0.00
	42" Flared End Section	EA	\$26.00	\$0.00
	48" Flared End Section	EA	\$31.50	\$0.00
	54" Flared End Section	EA	\$39.60	\$0.00
	60" Flared End Section	EA	\$49.25	\$0.00
	66" Flared End Section	EA	\$59.50	\$0.00
	72" Flared End Section	EA	\$70.00	\$0.00
	78" Flared End Section	EA	\$84.00	\$0.00
	84" Flared End Section	EA	\$92.75	\$0.00
	90" Flared End Section	EA	\$104.00	\$0.00
	96" Flared End Section	EA	\$124.00	\$0.00
	Outlet Structure	EA	\$80.00	\$0.00
	Low Flow Channel	SF	\$0.25	\$0.00
	5' Concrete Retaining Wall	LF	\$4.00	\$0.00
	Rip Rap – 4" stone	Ton	\$2.00	\$0.00
	Rip Rap – 6" stone	Ton	\$2.50	\$0.00
	Rip Rap – 8" stone	Ton	\$2.75	\$0.00
	Rip Rap – 12" stone	Ton	\$3.00	\$0.00
	Rip Rap – 24" stone	Ton	\$3.60	\$0.00
	Detention Basin Topsoil, Seed, & Mulch	SY	\$0.25	\$0.00
	3' Board on Board Fence	LF	\$0.50	\$0.00
	4' Board on Board Fence	LF	\$0.75	\$0.00
	6' Board on Board Fence	LF	\$0.85	\$0.00
	7' Board on Board Fence	LF	\$0.90	\$0.00
	8' Board on Board Fence	LF	\$0.95	\$0.00
	Fence & Gate w/Top Rail – 4'	LF	\$0.70	\$0.00
	Fence & Gate w/Top Rail – 6'	LF	\$0.80	\$0.00
	4' Chain Link Fence	LF	\$0.40	\$0.00
	6' Chain Link Fence	LF	\$0.50	\$0.00
	10' Chain Link Fence	LF	\$0.65	\$0.00
	Access Ramp Restoration	SY	\$0.50	\$0.00
	Emergency Spillway Restoration	EA	\$80.00	\$0.00

HOWELL CODE

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
	Sand Bed Restoration	CY	\$2.50	\$0.00
	Testing			
	Permeability Testing	LS	\$500.00	\$0.00
	Drain Time Testing	LS	\$292.00	\$0.00
	Vegetative Restoration (1% of total basin landscape costs)	LS	\$0.00	\$0.00
	<u>Dry Wells</u>			
	Facility Inspections (Performed quarterly)	LS	\$292.00	\$0.00
	Misc. Inspections (Rainfall exceeding 1" & Vegative Restoration)	LS	\$547.50	\$0.00
	Sediment Removal (performed four times annually)	SY	\$1.72	\$0.00
	Structural Components Restoration			
	Testing			
	Drain Time Testing (Observe Water Level)	LS	\$292.00	\$0.00
	<u>Extended Detention Basins</u>			
	Facility Inspections (Performed quarterly)	LS	\$292.00	\$0.00
	Misc. Inspections (Rainfall exceeding 1" & Vegative Restoration)	LS	\$547.50	\$0.00
	Localized Debris Removal	SY	\$1.72	\$0.00
	Tilling	SF	\$0.23	\$0.00
	Mowing (performed four times annually)	ACRE	\$292.00	\$0.00
	Vegetative Maintenance (Includes trimming and weeding) (performed four times annually)	SY	\$1.72	\$0.00
	Structural Components Restoration (Replacement assumed every 20 years)			
	12" dia. Conc. Headwall	EA	\$28.75	\$0.00
	15" dia. Conc. Headwall	EA	\$30.00	\$0.00
	18" dia. Conc. Headwall	EA	\$45.00	\$0.00
	21" dia. Conc. Headwall	EA	\$53.75	\$0.00
	24" dia. Conc. Headwall	EA	\$65.00	\$0.00
	27" dia. Conc. Headwall	EA	\$69.00	\$0.00
	30" dia. Conc. Headwall	EA	\$76.50	\$0.00
	36" dia. Conc. Headwall	EA	\$97.50	\$0.00
	42" dia. Conc. Headwall	EA	\$113.75	\$0.00
	48" dia. Conc. Headwall	EA	\$138.00	\$0.00
	54" dia. Conc. Headwall	EA	\$168.00	\$0.00
	60" dia. Conc. Headwall	EA	\$210.00	\$0.00
	66" dia. Conc. Headwall	EA	\$340.25	\$0.00
	72" dia. Conc. Headwall	EA	\$312.00	\$0.00
	78" dia. Conc. Headwall	EA	\$534.00	\$0.00
	84" dia. Conc. Headwall	EA	\$631.75	\$0.00
	90" dia. Conc. Headwall	EA	\$738.00	\$0.00
	96" dia. Conc. Headwall	EA	\$860.50	\$0.00
	15" Flared End Section	EA	\$8.75	\$0.00
	18" Flared End Section	EA	\$9.60	\$0.00

LAND USE

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
21" Flared End Section		EA	\$10.80	\$0.00
24" Flared End Section		EA	\$12.00	\$0.00
27" Flared End Section		EA	\$14.00	\$0.00
30" Flared End Section		EA	\$16.00	\$0.00
36" Flared End Section		EA	\$18.00	\$0.00
42" Flared End Section		EA	\$26.00	\$0.00
48" Flared End Section		EA	\$31.50	\$0.00
54" Flared End Section		EA	\$39.60	\$0.00
60" Flared End Section		EA	\$49.25	\$0.00
66" Flared End Section		EA	\$59.50	\$0.00
72" Flared End Section		EA	\$70.00	\$0.00
78" Flared End Section		EA	\$84.00	\$0.00
84" Flared End Section		EA	\$92.75	\$0.00
90" Flared End Section		EA	\$104.00	\$0.00
96" Flared End Section		EA	\$124.00	\$0.00
Outlet Structure		EA	\$80.00	\$0.00
Low Flow Channel		SF	\$0.25	\$0.00
5' Concrete Retaining Wall		LF	\$4.00	\$0.00
Rip Rap – 4" stone		Ton	\$2.00	\$0.00
Rip Rap – 6" stone		Ton	\$2.50	\$0.00
Rip Rap – 8" stone		Ton	\$2.75	\$0.00
Rip Rap – 12" stone		Ton	\$3.00	\$0.00
Rip Rap – 24" stone		Ton	\$3.60	\$0.00
Detention Basin Topsoil, Seed; & Mulch		SY	\$0.25	\$0.00
3' Board on Board Fence		LF	\$0.50	\$0.00
4' Board on Board Fence		LF	\$0.75	\$0.00
6' Board on Board Fence		LF	\$0.85	\$0.00
7' Board on Board Fence		LF	\$0.90	\$0.00
8' Board on Board Fence		LF	\$0.95	\$0.00
Fence & Gate w/Top Rail – 4'		LF	\$0.70	\$0.00
Fence & Gate w/Top Rail – 6'		LF	\$0.80	\$0.00
4' Chain Link Fence		LF	\$0.40	\$0.00
6' Chain Link Fence		LF	\$0.50	\$0.00
10' Chain Link Fence		LF	\$0.65	\$0.00
Access Ramp Restoration		SY	\$0.50	\$0.00
Emergency Spillway Restoration		EA	\$80.00	\$0.00
Sand Bed Restoration		CY	\$2.50	\$0.00
Testing				
Permeability Testing		LS	\$500.00	\$0.00
Drain Time Testing		LS	\$292.00	\$0.00
Surface and Subsurface Infiltration Basin				
Facility Inspections (Performed quaterly)		LS	\$292.00	\$0.00
Misc. Inspections (Rainfall exceeding 1" & Vegative Restoration)		LS	\$547.50	\$0.00
Localized Debris Removal		SY	\$1.72	\$0.00
Tilling		SF	\$0.23	\$0.00
Mowing (performed four times annually)		ACRE	\$292.00	\$0.00

HOWELL CODE

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
	Vegetative Maintenance (Includes trimming and weeding) (performed four times annually)	SY	\$1.72	\$0.00
	Structural Components Restoration (Replacement assumed every 20 years)			
	12" dia. Conc. Headwall	EA	\$28.75	\$0.00
	15" dia. Conc. Headwall	EA	\$30.00	\$0.00
	18" dia. Conc. Headwall	EA	\$45.00	\$0.00
	21" dia. Conc. Headwall	EA	\$53.75	\$0.00
	24" dia. Conc. Headwall	EA	\$65.00	\$0.00
	27" dia. Conc. Headwall	EA	\$69.00	\$0.00
	30" dia. Conc. Headwall	EA	\$76.50	\$0.00
	36" dia. Conc. Headwall	EA	\$97.50	\$0.00
	42" dia. Conc. Headwall	EA	\$113.75	\$0.00
	48" dia. Conc. Headwall	EA	\$138.00	\$0.00
	54" dia. Conc. Headwall	EA	\$168.00	\$0.00
	60" dia. Conc. Headwall	EA	\$210.00	\$0.00
	66" dia. Conc. Headwall	EA	\$340.25	\$0.00
	72" dia. Conc. Headwall	EA	\$312.00	\$0.00
	78" dia. Conc. Headwall	EA	\$534.00	\$0.00
	84" dia. Conc. Headwall	EA	\$631.75	\$0.00
	90" dia. Conc. Headwall	EA	\$738.00	\$0.00
	96" dia. Conc. Headwall	EA	\$860.50	\$0.00
	15" Flared End Section	EA	\$8.75	\$0.00
	18" Flared End Section	EA	\$9.60	\$0.00
	21" Flared End Section	EA	\$10.80	\$0.00
	24" Flared End Section	EA	\$12.00	\$0.00
	27" Flared End Section	EA	\$14.00	\$0.00
	30" Flared End Section	EA	\$16.00	\$0.00
	36" Flared End Section	EA	\$18.00	\$0.00
	42" Flared End Section	EA	\$26.00	\$0.00
	48" Flared End Section	EA	\$31.50	\$0.00
	54" Flared End Section	EA	\$39.60	\$0.00
	60" Flared End Section	EA	\$49.25	\$0.00
	66" Flared End Section	EA	\$59.50	\$0.00
	72" Flared End Section	EA	\$70.00	\$0.00
	78" Flared End Section	EA	\$84.00	\$0.00
	84" Flared End Section	EA	\$92.75	\$0.00
	90" Flared End Section	EA	\$104.00	\$0.00
	96" Flared End Section	EA	\$124.00	\$0.00
	Outlet Structure	EA	\$80.00	\$0.00
	Low Flow Channel	SF	\$0.25	\$0.00
	5' Concrete Retaining Wall	LF	\$4.00	\$0.00
	Rip Rap – 4" stone	Ton	\$2.00	\$0.00
	Rip Rap – 6" stone	Ton	\$2.50	\$0.00
	Rip Rap – 8" stone	Ton	\$2.75	\$0.00
	Rip Rap – 12" stone	Ton	\$3.00	\$0.00
	Rip Rap – 24" stone	Ton	\$3.60	\$0.00
	Detention Basin Topsoil, Seed, & Mulch	SY	\$0.25	\$0.00
	3' Board on Board Fence	LF	\$0.50	\$0.00

LAND USE

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
	4' Board on Board Fence	LF	\$0.75	\$0.00
	6' Board on Board Fence	LF	\$0.85	\$0.00
	7' Board on Board Fence	LF	\$0.90	\$0.00
	8' Board on Board Fence	LF	\$0.95	\$0.00
	Fence & Gate w/Top Rail – 4'	LF	\$0.70	\$0.00
	Fence & Gate w/Top Rail – 6'	LF	\$0.80	\$0.00
	4' Chain Link Fence	LF	\$0.40	\$0.00
	6' Chain Link Fence	LF	\$0.50	\$0.00
	10' Chain Link Fence	LF	\$0.65	\$0.00
	Access Ramp Restoration	SY	\$0.50	\$0.00
	Emergency Spillway Restoration	EA	\$80.00	\$0.00
	Sand Bed Restoration	CY	\$2.50	\$0.00
	Testing			
	Drain Time Testing	LS	\$292.00	\$0.00
	Subsurface Access Fee	LS	\$292.00	\$0.00
	<u>Manufactured Treatment Devices</u>			
	(Maintenance Requirements to Vary Per Manufacturers Specifications)			
	Facility Inspections (Performed quarterly)	LS	\$292.00	\$0.00
	Misc. Inspections (Rainfall exceeding 1" & Vegative Restoration)	LS	\$547.50	\$0.00
	Localized Debris Removal	SY	\$1.72	\$0.00
	Sediment Removal/Vacuuming		\$0.00	\$0.00
	Structural Components Restoration		\$0.00	\$0.00
	Testing			
	Drain Time Testing		\$292.00	\$0.00
	<u>Surface Sand Filters</u>			
	Facility Inspections (Performed quarterly)	LS	\$292.00	\$0.00
	Misc. Inspections (Rainfall exceeding 1" & Vegative Restoration)	LS	\$547.50	\$0.00
	Localized Debris Removal	SF	\$1.72	\$0.00
	Tilling	SF	\$0.23	\$0.00
	Mowing (performed four times annually)	ACRE	\$292.00	\$0.00
	Vegetative Maintenance (Includes trimming and weeding) (performed four times annually)	SY	\$1.72	\$0.00
	Structural Components Restoration (Replacement assumed every 20 years)			
	12" dia. Conc. Headwall	EA	\$28.75	\$0.00
	15" dia. Conc. Headwall	EA	\$30.00	\$0.00
	18" dia. Conc. Headwall	EA	\$45.00	\$0.00
	21" dia. Conc. Headwall	EA	\$53.75	\$0.00
	24" dia. Conc. Headwall	EA	\$65.00	\$0.00
	27" dia. Conc. Headwall	EA	\$69.00	\$0.00
	30" dia. Conc. Headwall	EA	\$76.50	\$0.00
	36" dia. Conc. Headwall	EA	\$97.50	\$0.00

HOWELL CODE

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
	42" dia. Conc. Headwall	EA	\$113.75	\$0.00
	48" dia. Conc. Headwall	EA	\$138.00	\$0.00
	54" dia. Conc. Headwall	EA	\$168.00	\$0.00
	60" dia. Conc. Headwall	EA	\$210.00	\$0.00
	66" dia. Conc. Headwall	EA	\$340.25	\$0.00
	72" dia. Conc. Headwall	EA	\$312.00	\$0.00
	78" dia. Conc. Headwall	EA	\$534.00	\$0.00
	84" dia. Conc. Headwall	EA	\$631.75	\$0.00
	90" dia. Conc. Headwall	EA	\$738.00	\$0.00
	96" dia. Conc. Headwall	EA	\$860.50	\$0.00
	15" Flared End Section	EA	\$8.75	\$0.00
	18" Flared End Section	EA	\$9.60	\$0.00
	21" Flared End Section	EA	\$10.80	\$0.00
	24" Flared End Section	EA	\$12.00	\$0.00
	27" Flared End Section	EA	\$14.00	\$0.00
	30" Flared End Section	EA	\$16.00	\$0.00
	36" Flared End Section	EA	\$18.00	\$0.00
	42" Flared End Section	EA	\$26.00	\$0.00
	48" Flared End Section	EA	\$31.50	\$0.00
	54" Flared End Section	EA	\$39.60	\$0.00
	60" Flared End Section	EA	\$49.25	\$0.00
	66" Flared End Section	EA	\$59.50	\$0.00
	72" Flared End Section	EA	\$70.00	\$0.00
	78" Flared End Section	EA	\$84.00	\$0.00
	84" Flared End Section	EA	\$92.75	\$0.00
	90" Flared End Section	EA	\$104.00	\$0.00
	96" Flared End Section	EA	\$124.00	\$0.00
	Standard Drain Manhole Restoration	EA	\$75.00	\$0.00
	Outlet Structure	EA	\$80.00	\$0.00
	4" PPT Underdrain w/stone & filter fabric	LF	\$0.40	\$0.00
	6" PPT Underdrain w/stone & filter fabric	LF	\$0.60	\$0.00
	8" PPT Underdrain w/stone & filter fabric	LF	\$0.65	\$0.00
	10" PPT Underdrain w/stone & filter fabric	LF	\$1.00	\$0.00
	12" PPT Underdrain w/stone & filter fabric	LF	\$1.50	\$0.00
	15" PPT Underdrain w/stone & filter fabric	LF	\$2.00	\$0.00
	18" PPT Underdrain w/stone & filter fabric	LF	\$1.50	\$0.00
	21" PPT Underdrain w/stone & filter fabric	LF	\$1.65	\$0.00
	24" PPT Underdrain w/stone & filter fabric	LF	\$1.80	\$0.00
	27" PPT Underdrain w/stone & filter fabric	LF	\$1.95	\$0.00
	30" PPT Underdrain w/stone & filter fabric	LF	\$2.10	\$0.00
	36" PPT Underdrain w/stone & filter fabric	LF	\$2.25	\$0.00
	Emergency Spillway Restoration	EA	\$80.00	\$0.00
	Sand Bed Restoration	CY	\$2.50	\$0.00
	Rip Rap – 4" stone	Ton	\$2.00	\$0.00
	Rip Rap – 6" stone	Ton	\$2.50	\$0.00
	Rip Rap – 8" stone	Ton	\$2.75	\$0.00
	Rip Rap – 12" stone	Ton	\$3.00	\$0.00
	Rip Rap – 24" stone	Ton	\$3.60	\$0.00
	Detention Basin Topsoil, Seed, & Mulch	SY	\$0.25	\$0.00

LAND USE

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
	3' Board on Board Fence	LF	\$0.50	\$0.00
	4' Board on Board Fence	LF	\$0.75	\$0.00
	6' Board on Board Fence	LF	\$0.85	\$0.00
	7' Board on Board Fence	LF	\$0.90	\$0.00
	8' Board on Board Fence	LF	\$0.95	\$0.00
	Fence & Gate w/Top Rail – 4'	LF	\$0.70	\$0.00
	Fence & Gate w/Top Rail – 6'	LF	\$0.80	\$0.00
	4' Chain Link Fence	LF	\$0.40	\$0.00
	6' Chain Link Fence	LF	\$0.50	\$0.00
	10' Chain Link Fence	LF	\$0.65	\$0.00
	Access Ramp Restoration	SY	\$0.50	\$0.00
	Testing			
	Permeability Testing	LS	\$500.00	\$0.00
	Drain Time Testing	LS	\$292.00	\$0.00
	<u>Vegetative Filters</u>			
	Facility Inspections (Performed quarterly)	LS	\$292.00	\$0.00
	Misc. Inspections (Rainfall exceeding 1" & Vegative Restoration)	LS	\$547.50	\$0.00
	Localized Debris Removal	SY	\$1.72	\$0.00
	Tilling	SF	\$0.23	\$0.00
	Mowing (performed four times annually)	ACRE	\$292.00	\$0.00
	Vegetative Maintenance (Includes trimming and weeding) (performed four times annually)	SY	\$1.72	\$0.00
	Structural Components Restoration (Replacement assumed every 20 years)			
	4" PPT Underdrain w/stone & filter fabric	LF	\$0.40	\$0.00
	6" PPT Underdrain w/stone & filter fabric	LF	\$0.60	\$0.00
	8" PPT Underdrain w/stone & filter fabric	LF	\$0.65	\$0.00
	10" PPT Underdrain w/stone & filter fabric	LF	\$1.00	\$0.00
	12" PPT Underdrain w/stone & filter fabric	LF	\$1.50	\$0.00
	15" PPT Underdrain w/stone & filter fabric	LF	\$2.00	\$0.00
	18" PPT Underdrain w/stone & filter fabric	LF	\$1.50	\$0.00
	21" PPT Underdrain w/stone & filter fabric	LF	\$1.65	\$0.00
	24" PPT Underdrain w/stone & filter fabric	LF	\$1.80	\$0.00
	27" PPT Underdrain w/stone & filter fabric	LF	\$1.95	\$0.00
	30" PPT Underdrain w/stone & filter fabric	LF	\$2.10	\$0.00
	36" PPT Underdrain w/stone & filter fabric	LF	\$2.25	\$0.00
	Rip Rap – 4" stone	Ton	\$2.00	\$0.00
	Rip Rap – 6" stone	Ton	\$2.50	\$0.00
	Rip Rap – 8" stone	Ton	\$2.75	\$0.00
	Rip Rap – 12" stone	Ton	\$3.00	\$0.00
	Rip Rap – 24" stone	Ton	\$3.60	\$0.00
	Detention Basin Topsoil, Seed, & Mulch	SY	\$0.25	\$0.00
	3' Board on Board Fence	LF	\$0.50	\$0.00
	4' Board on Board Fence	LF	\$0.75	\$0.00
	6' Board on Board Fence	LF	\$0.85	\$0.00
	7' Board on Board Fence	LF	\$0.90	\$0.00

HOWELL CODE

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
	8' Board on Board Fence	LF	\$0.95	\$0.00
	Fence & Gate w/Top Rail – 4'	LF	\$0.70	\$0.00
	Fence & Gate w/Top Rail – 6'	LF	\$0.80	\$0.00
	4' Chain Link Fence	LF	\$0.40	\$0.00
	6' Chain Link Fence	LF	\$0.50	\$0.00
	10' Chain Link Fence	LF	\$0.65	\$0.00
	Testing			
	Permeability Testing	LS	\$500.00	\$0.00
	Drain/Drying Time Testing	LS	\$292.00	\$0.00
	<u>Wet Ponds</u>			
	Facility Inspections (Performed quarterly)	LS	\$292.00	\$0.00
	Misc. Inspections (Rainfall exceeding 1" & Vegative Restoration)	LS	\$547.50	\$0.00
	Localized Debris Removal	SY	\$1.72	\$0.00
	Basin Draining	LS	\$7.30	\$0.00
	Basin Dredging (performed every ten years)	CY	\$0.62	\$0.00
	Mowing (performed four times annually)	ACRE	\$292.00	\$0.00
	Vegetative Maintenance (Includes trimming and weeding) (performed four times annually)	SY	\$1.72	\$0.00
	Structural Components Restoration (Replacement assumed every 20 years)			
	12" dia. Conc. Headwall	EA	\$28.75	\$0.00
	15" dia. Conc. Headwall	EA	\$30.00	\$0.00
	18" dia. Conc. Headwall	EA	\$45.00	\$0.00
	21" dia. Conc. Headwall	EA	\$53.75	\$0.00
	24" dia. Conc. Headwall	EA	\$65.00	\$0.00
	27" dia. Conc. Headwall	EA	\$69.00	\$0.00
	30" dia. Conc. Headwall	EA	\$76.50	\$0.00
	36" dia. Conc. Headwall	EA	\$97.50	\$0.00
	42" dia. Conc. Headwall	EA	\$113.75	\$0.00
	48" dia. Conc. Headwall	EA	\$138.00	\$0.00
	54" dia. Conc. Headwall	EA	\$168.00	\$0.00
	60" dia. Conc. Headwall	EA	\$210.00	\$0.00
	66" dia. Conc. Headwall	EA	\$340.25	\$0.00
	72" dia. Conc. Headwall	EA	\$312.00	\$0.00
	78" dia. Conc. Headwall	EA	\$534.00	\$0.00
	84" dia. Conc. Headwall	EA	\$631.75	\$0.00
	90" dia. Conc. Headwall	EA	\$738.00	\$0.00
	96" dia. Conc. Headwall	EA	\$860.50	\$0.00
	15" Flared End Section	EA	\$8.75	\$0.00
	18" Flared End Section	EA	\$9.60	\$0.00
	21" Flared End Section	EA	\$10.80	\$0.00
	24" Flared End Section	EA	\$12.00	\$0.00
	27" Flared End Section	EA	\$14.00	\$0.00
	30" Flared End Section	EA	\$16.00	\$0.00
	36" Flared End Section	EA	\$18.00	\$0.00
	42" Flared End Section	EA	\$26.00	\$0.00

LAND USE

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
48" Flared End Section		EA	\$31.50	\$0.00
54" Flared End Section		EA	\$39.60	\$0.00
60" Flared End Section		EA	\$49.25	\$0.00
66" Flared End Section		EA	\$59.50	\$0.00
72" Flared End Section		EA	\$70.00	\$0.00
78" Flared End Section		EA	\$84.00	\$0.00
84" Flared End Section		EA	\$92.75	\$0.00
90" Flared End Section		EA	\$104.00	\$0.00
96" Flared End Section		EA	\$124.00	\$0.00
Standard Drain Manhole Restoration		EA	\$75.00	\$0.00
Outlet Structure		EA	\$80.00	\$0.00
4" PPT Underdrain w/stone & filter fabric		LF	\$0.40	\$0.00
6" PPT Underdrain w/stone & filter fabric		LF	\$0.60	\$0.00
8" PPT Underdrain w/stone & filter fabric		LF	\$0.65	\$0.00
10" PPT Underdrain w/stone & filter fabric		LF	\$1.00	\$0.00
12" PPT Underdrain w/stone & filter fabric		LF	\$1.50	\$0.00
15" PPT Underdrain w/stone & filter fabric		LF	\$2.00	\$0.00
18" PPT Underdrain w/stone & filter fabric		LF	\$1.50	\$0.00
21" PPT Underdrain w/stone & filter fabric		LF	\$1.65	\$0.00
24" PPT Underdrain w/stone & filter fabric		LF	\$1.80	\$0.00
27" PPT Underdrain w/stone & filter fabric		LF	\$1.95	\$0.00
30" PPT Underdrain w/stone & filter fabric		LF	\$2.10	\$0.00
36" PPT Underdrain w/stone & filter fabric		LF	\$2.25	\$0.00
Emergency Spillway Restoration		EA	\$80.00	\$0.00
Sand Bed Restoration		CY	\$2.50	\$0.00
Rip Rap – 4" stone		Ton	\$2.00	\$0.00
Rip Rap – 6" stone		Ton	\$2.50	\$0.00
Rip Rap – 8" stone		Ton	\$2.75	\$0.00
Rip Rap – 12" stone		Ton	\$3.00	\$0.00
Rip Rap – 24" stone		Ton	\$3.60	\$0.00
Detention Basin Topsoil, Seed, & Mulch		SY	\$0.25	\$0.00
3' Board on Board Fence		LF	\$0.50	\$0.00
4' Board on Board Fence		LF	\$0.75	\$0.00
6' Board on Board Fence		LF	\$0.85	\$0.00
7' Board on Board Fence		LF	\$0.90	\$0.00
8' Board on Board Fence		LF	\$0.95	\$0.00
Fence & Gate w/Top Rail – 4'		LF	\$0.70	\$0.00
Fence & Gate w/Top Rail – 6'		LF	\$0.80	\$0.00
4' Chain Link Fence		LF	\$0.40	\$0.00
6' Chain Link Fence		LF	\$0.50	\$0.00
10' Chain Link Fence		LF	\$0.65	\$0.00
Access Ramp Restoration		SY	\$0.50	\$0.00
Testing				
Permeability Testing		LS	\$500.00	\$0.00
Drain Time Testing		LS	\$292.00	\$0.00
Electical Components Repairs (aerators, pumps, valves)		LS	\$0.00	\$0.00

HOWELL CODE

ANNUALIZED MAINTENANCE SUBTOTAL:.....	\$0.00
REQUIRED MAINTENANCE FEE PER ORDINANCE SECTION 188-.....	\$0.00
Where:	
i =	2.00%
n =	10 years