#1 Caro Vista Pond Engineers Opinion of Probable Construction Cost

Narrative: Caro Vista Pond is a wet basin which has been restored in the past with bank shaping and fiber roll installations. However, the banks continue to experience significant erosion on the eastern half of the basin likely due to muskrat damage and wind action along this steep slope. V3 recommends repairing the banks along the eastern half of the basin with re-grading, native shoreline plugs and native prairie buffer. Also recommended to install shoreline plugs around western half of basin to protect shoreline along with a 20-40' native prairie buffer around the entire basin.

Short-Term Management Recommendations YEAR 1 - 3

			YEAR 1	COST ESTIMATE		
ACTIVITY	EXPLANATION	Quantity	Unit	Cost/Hnit	Events	/ Total Cost
Boomspray	polaris, turf grass	1.5	Acre	\$808/20	2	2,424
Shoreline Restoration	Regrading, Bank Repair, Topsoil Import, Clay Export	1000.0	FL	\$ 3.44/1F	1	\$3,440
Slope Shaping	Shape Toe w/ Mini	1000.0	Ft	#2.00/4	ï	#2,000
Seeding Prep	Rake Topsoil	1.5	Acre	1330	1	\$495
Seeding	Site Area, 1 Year Guarantee	1.5	Acre	\$1,544	¥	#2,316
Blanket	\$150BN	1,5	Acre	\$19,802	1	\$29,703
Wetland Plugs	Water perimeter, 2000 lin ft., 1 ft. center	2000.0	EA	\$ 3.90	1	47,800
Mow (10"-12")	High Mow in Prairie (2x Yr 1)	1,5	Acre	\$1,000	2	\$7,000
Weed Control (spot spraying)	2 people, 1 day (2 in Yr 1)	1,0	EA	\$900	2	\$1,800
Site Inspections/Meetings	2 each year	1.0	EA	8700	2	8400
					тот	AL: \$53,378
			YEAR 2 - 3			
ACTIVITY	EXPLANATION	Quantity	Unit	COST ESTIMATE Cost/Unit	Events	Total Cost
Weed Control (spot spraying)	2 people, 1 day (2 per year)	1.0	EA	# 900	4	\$ 3,600
Mow (10"-12")	High Mow in Prairie (1x Yr 2)	1.5	Acre	\$1,085	1	\$1,627.50
Prescribed Burn	Years 3 Coordination & 5 person crew	1.0	EA	\$2,470	Ť.	82,470
Site Inspections/Meetings	each year	1.0	EA	#275	2	8450
Ongoing Mowing Contract	Reduction In Mowing Acreage	Deduct?				
					тот	AL: \$8,147.50
					Contingency (10	%):
				Soft Costs (Surv	ey, Engr, Mngt - 20	%):
				GR.	AND TOTAL YEAR 1	1-5:

Notes:

Earthwork wages are per Union Rates. Restoration is based on non-prevailing wage labor.

Prescribed Burn pricing is based on single site burn. May be able to obtain cost efficiencies if grouped together.

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Short-Term Management Recommendations YEAR 1 - 3

			YEAR 1			
ACTIVITY	EXPLANATION			COST ESTIMATE		
NE A-SA		Quantity	Unit	Cost/Unit	Events	Total Cost
Boomspray	polaris, turf grass	1.5	Acre	\$1,000	2	\$3,000
Shoreline Restoration	Regrading, Bank Repair, Topsoil Import, Clay Export	1000.0	Ft	\$50	1	\$50,000
Slope Shaping	Shape Toe w/ Mini	1000.0	FI	\$10	1	\$10,000
Seeding Prep	Rake Topsoil	1.5	Acre	\$500	1	\$750
Seeding	Site Area, 1 Year Guarantee	1.5	Acre	\$3,500	1	\$5,250
Blanket	S150BN	1.5	Acre	\$7,300	ì	\$10,950
Wetland Plugs	Water perimeter, 2000 lin ft., 1 ft. center	2000.0	EA	\$5	1	\$10,000
Mow (10"-12")	High Mow in Prairie (2x Yr 1)	1.5	Acre	\$500	2	\$1,500
Weed Control (spot spraying)	2 people, 1 day (2 in Yr 1)	1.0	EA	\$1,000	2	\$2,000
Site Inspections/Meetings	2 each year	1.0	EA	\$600	2	\$1,200
					тота	L: \$94,650
			YEAR 2 - 3			
ACTIVITY	EXPLANATION	Quantity	Unit	COST ESTIMATE Cost/Unit	Events	Total Cost
Weed Control (spot spraying)	2 people, 1 day (2 per year)	1.0	EA	\$1,000	4	\$4,000
Mow (10"-12")	High Mow in Prairie (1x Yr 2)	1.5	Acre	\$500	1	\$750
Prescribed Burn	Years 3 Coordination & 5 person crew	1.0	EA	\$3,500	1	≯ \$3,500
						24.000
Site Inspections/Meetings	each year	1.0	EA	\$600	2	\$1,200
Site Inspections/Meetings	each year Reduction In Mowing Acreage	1.0 Deduct?	EA	\$600	2	\$1,200
			EA	\$600	2 ТОТА	
			EA .	\$600		L: \$9,450
			000 2500		тота	L: \$9,450

Notes:

Earthwork wages are per Union Rates. Restoration is based on non-prevailing wage labor.

Prescribed Burn pricing is based on single site burn. May be able to obtain cost efficiencies if grouped together.

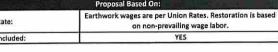
PROPOSAL FOR WORK PIZZO & ASSOCIATES, LTD.

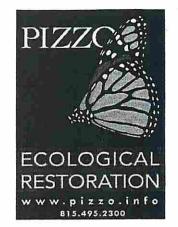
Ecological Restoration & Planning 136 Railroad Street - PO Box 98 Leland, IL 60531

PH: 815.495.2300 / FX: 815.498.4406 113054-P-ORLB Project Number: Tim Moritz Project Ecologist: 815-355-0289 Mobile Phone: e-mail Address: timm@pizzo.info

	PROJECT:
Project Name:	2013 Stormwater Basin Management Plan
Project Address:	#1 Caro Vista Pond
D. Delika Broker Postson, Sept. App.	Orland Park, IL
Project Contact:	Frank Stec
1.5	Village Of Orland Park
	Director of Parks and Buildings

	Proposal Based On:
Wage Rate:	Earthwork wages are per Union Rates. Restoration is based on non-prevailing wage labor.
Taxes Included:	YES





Project Estimate: Short-Term Management Recommendations - Year 1-3

WORK SHALL INCLUDE:

Item#	Item Description	Unit	Qty	Events	U	nit price		Lump Sum Cost
1	Boomspray - Polaris, Turf Grass	ACRE	1.50	2	\$	1,033.29	\$	2,066.58
2	Shoreline Restoration - Regrading, Bank Repair, Culvert Repair of FES	FT	1000.00	1	\$	22.28	\$	22,280.00
3	Slope Shaping - Shape Toe w/ Mini	FT	1000.00	1	\$	8.44	\$	8,440.00
4	Seeding Prep - Tilling and Raking Topsoil	ACRE	1.50	1	\$	2,025.84	\$	3,038.76
4	Seeding - Site Area, 1 Year Guarantee	ACRE	1.50	1	\$	2,112.88	\$	3,169.32
5	Blanket - S150BN	ACRE	1.50	1	\$	9,255.17	\$	13,882.76
6	Wetland Plugs - Water perimeter, 2000 lin ft., 1 ft. center	EA	2000.00	1	\$	3.04	\$	6,080.00
7	Mow (10"-12") - High Mow in Prairie (2X Yr 1)	ACRE	1.50	2	\$	434.30	\$	868.60
8	Weed Control (spot spraying) - 2 people, 1 day (2 in Yr 1)	EA	1.00	2	\$	1,001.22	\$	2,002.44
9	Site Inspections/Meetings - 2 each year	EA	1.00	2			No Ch	arge
						TOTAL	\$	61,828.46

	The state of the s	EAR 2 - 3						
Item#	Item Description	Unit	Qty	Events	t	Jnit price	L	ump Sum Cost
1	Weed Control (spot spraying) - 2 people, 1 day (2 per year)	EA	1.00	4	\$	1,023.89	\$	4,095.5
2	Mow (10"-12") - High Mow in Prairie (1X Yr 2)	ACRE	1.50	1	\$	289.53	\$. 434,3
3	Prescribed Burn - Year 3, Coordination & 5 person crew	EA	1.00	1	Not Recommended			ended
4	Site Inspections/Meetings - each year	EA	1.00	2		1	lo Chan	ge
		· · · · · · · · · · · · · · · · · · ·				TOTAL	\$	4,529.80

GRAND TOTAL YEAR 1-3: \$ 66,358.32

	RECOMMENDED /	ALTERNATES				
1	ADD: Wetland Plugs - Water perimeter	EA	2800.00	1	\$ 3.04	\$ 8,512.00
(2)	ADD: Waterfowl Exclusion Fencing - Entire buffer area	EA	1.00	1	\$ 9,137.17	\$ 9,137.17
3	ADD: Additional Stewardship Visits - 4 people, 1 day (5 visits per year) 🚿	EA	1.00	10	\$ 2,050.00	\$ 20,500.00
4	ADD: Prescribed Burn - Year 4, Coordination & 5 person crew	EA	1.00	1	\$ 3,060.72	\$ 3,060.72
					 TOTAL	\$ 41,209.89

-NOT RECOMMEN!

Note: No work priced to be done at Prevailing Wage Rates. If work is to be done at Prevailing Wages, pricing will need to be revised.

AGREEMENT:	
I/we represent and warrant that I/we have authority to enter into this Contract. We accept the afo	
CONDITIONS, attached and hereby made part of this contract. We do hereby authorize Pizzo & Ass	ociates, Ltd. to perform the work as stated.
	Date:
Name	
Village Of Orland Park	
To the Total Control of North of Million	
	Barac
Tim Moritz	Date:
1300 500 700 700	
Pizzo & Associates, Ltd.	



CONSTRUCTION COST PROPOSAL

Client: Mr. Frank Stec Job Name: Imperial Pond Converstion Village of Orland Park

Turf vs Native Basin

14700 Ravinia Avenue **Date of Plans:** 4/17/2013 Orland Park, IL 60462 Date of Estimate: 4/17/2013

3.00 ALTERNATE 3 - NATIVE PLUG INSTALI	QUANTITY	UNIT	U	NIT PRICE	TOTAL
3.10 CHANNEL STABILIZATION					
3.11 Channel Grading	8.000	HR	\$	185.00	\$ 1,480.00
3.12 Erosion Blanket; S75BN	250.000	SY	\$	2.50	\$ 625.00
3.13 Seeding Channel Slope	1.000	LS	\$	500.00	\$ 500.00
3.14 Native Plug Installation	680.000	EA	\$	5.00	\$ 3,400.00
3.15 Goose Grid Protection	340.000	LF	\$	1.50	\$ 510.00
3.16 Slope Clearing	1.000	LS	\$	500.00	\$ 500.00
Subtotal - Channel Stabilization	3				\$ 7,015.00
3.20 NATIVE PLANTING					
3.21 Shoreline Plug Installation	300.000	EA	\$	5.00	\$ 1,500.00
3.22 Upland Plug Installation	1,000.000	EA	\$	5.00	\$ 5,000.00
3.23 Goose Grid Protection	1,000.000	SY	\$	0.75	\$ 750.00
3.24 1-Year Maintenance	1.000	LS	\$	1,500.00	\$ 1,500.00
Subtotal - Native Planting & Maintenance					\$ 8,750.00

TOTAL ALT 3 - NATIVE PLUG: 15,765.00

Notes:

- 1) Pond fill assumes adequate quantity from channel excavation
- 2) One year maintenance is limited to weed control and mowing
- 3) Muskrat trapping will be requried to ensure success of plantings and is not included in this scope.
- 4) 210 Shoreline Plugs will be provided by V3 as warrenty work from muskrat damage.