

Memorandum

To: Programs, Projects and Operations Subcommittee

Subject: Lake Dredging Program – West Bay Woods (SID #439) Request

Date: June 1, 2010

From: Gerry Bowen

The District received an application (see attached) for assistance under the Lake Dredging Program from West Bay Woods (SID #439). The “lake” in question is a water quality basin above Zorinsky Lake. The City of Omaha maintains the structure, but the pool area is the responsibility of the SID.

The SID proposes to excavate approximately 6.2 acre-feet of sediment from the pool area. The total estimated cost of the project is \$119,986 of which \$84,000 are the excavation costs. The SID is requesting 50% of the excavation costs, or \$42,000. The remainder of the costs will be borne by West Bay Woods.

As noted in the attached narrative, the pool was constructed in 1998 and has never been dredged.

The current guidelines (attached) for the program require Board approval of all applications.

- **It is recommended that the Subcommittee recommend to the Board that the application from SID #439 (West Bay Woods) be approved under the Lake Dredging Program in the amount of \$42,000, subject to funds being included in the FY 2011 Budget.**

17.42 LAKE DREDGING PROGRAM

The Lake Dredging Program is an authorized program of the District to provide technical and financial assistance to units of government (sponsors) to dredge retained sediments in permanent water quality basins and lakes within the sponsor's boundaries and extraterritorial jurisdiction.

Criteria for Eligible Projects:

1. The Sponsor must be a unit of government (city, county, sanitary & improvement district).
2. Only public access lakes and permanent water quality basins are eligible for assistance.
3. Dredging shall be limited to the capacity of the conservation pool of the water quality basin or lake.
4. An individual lake or basin shall be eligible for assistance if the following specific criteria are met:
 - a. The water body has not been dredged in the immediately preceding ten (10) years.
 - b. Verification that 75% of the original capacity has been lost to sedimentation.
 - c. Verification of impaired water quality that will be improved by dredging project, including calculation of benefits.
5. The Sponsor must have a watershed management plan to control erosion and reduce sedimentation from the drainage area.

District Responsibilities:

1. Provide 50% of the local costs (after applying any state or federal cost share assistance) of the project up to a maximum NRD cost share of \$100,000 per project.
 - Eligible costs include:
 - a. Actual dredging costs
 - b. Professional engineering services for design, calculation of dredging amount and water quality benefits.
 - Ineligible costs include:
 - a. Costs associated with land rights acquisition.
 - b. Costs associated with the acquisition of necessary permits for the project.
 - c. Costs associated with relocation of utilities.
 - d. Sponsor's "in-house" labor and equipment costs.
2. All projects will require the approval of the Board of Directors.
3. Review and approve all dredging plans prior to Sponsor's bidding of the project.

Sponsor Responsibilities:

1. Complete District's LDP Application Form, Form 17.42A, Manual of Standard Forms (Appendix E). The following items should accompany the application:
 - a. Copy of the original construction plans for the lake or water quality basin. If original plans are not available, an engineering study will be necessary to calculate the original capacity.
 - b. Location map of the project.
 - c. Location map of the proposed disposal site(s) and site restoration plan.
 - d. Detailed project cost estimate.
2. Execute and fulfill an agreement outlining these guidelines (Form 17.42B. Manual of Standard Forms, Appendix E)
3. Provide all matching funds.
4. Provide all permits required for the project at no cost to the District.
5. Provide all necessary land rights at no cost to the District.
6. Contract for the dredging of the lake or water quality basin of the approved project.
7. Complete dredging operation within one year of approval.

(May 14, 2009)



LAKE DREDGING PROGRAM
APPLICATION FORM

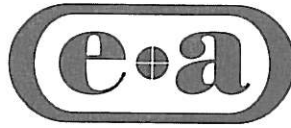
1. DATE: 5-20-10
2. PROJECT NAME: Water Quality Pond Restoration, Outlot "A," West Bay Woods
3. PROJECT SPONSOR: SID 439, Douglas County
(Address)
4. CONTACT PERSON: Mark Westergard TITLE: Engineer for SID 439
5. DAYTIME TELEPHONE: 402-895-4700
6. E-MAIL ADDRESS: mwestergard@eacg.com
7. PROJECT LOCATION¹: 186th Avenue & Van Camp Drive
8. DESCRIPTION OF PROJECT²: Remove accumulated
silt (see attached narrative)
9. ORIGINAL CAPACITY OF LAKE/BASIN³: 7.6 Ac.ft.
10. PROPOSED EXCAVATION AMOUNT: 6.19 Ac.ft.
11. TOTAL ESTIMATED COST⁴: \$ 119,986
12. COST SHARE REQUEST: \$ 42,000
13. SIGNATURE/TITLE: [Signature]

¹ Attach location map of lake/basin and disposal area.

² Attach additional sheets as necessary.

³ Attach copy of original construction plans.

⁴ Attach detailed cost estimate.



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PROPOSED OUTLOT "A" WATER QUALITY POND RESTORATION, WEST BAY WOODS - NARRATIVE

Overview

SID 439(West Bay Woods) desires to clean out the Outlot A water quality basin , a permanent detention facility located just upstream from Zorinsky Lake. Many areas of the basin are now nearly full of accumulated silt. The project, originally constructed in 1998 has never previously been dredged. The proposed method is hydraulic dredging with the dredged material utilized to fill an existing, adjacent temporary basin which is eligible to be removed at this time.

Cost Estimate and Allocation

See Attached Detailed Sheet. Generally, 50% participation is requested for the bid items related specifically to removal of silt. SID 439 is proposed to pay 100% for costs related to riser modification, silt fencing, seeding and matting and all engineering and construction management costs.

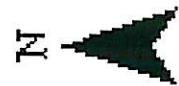
Schedule

The intent is to let the project in June, 2010 and commence work as soon as possible in the summer of 2010 after execution of a construction contract..

Attachments

Original Plans
Proposed Plans
Cost Estimate and Allocation of Costs

				File No.	1998.023.000					
				Sheet:	1 of 1					
				Date:	5/20/2010					
Engineer's Estimate & Allocation of Costs E&A Consulting Group, Inc.										
				Douglas	County, Nebraska					
Project:	D-18 CLEANOUT - 2010									
Item No.	Description	Quantity	Unit	Unit Price	Amount	%	AMOUNT	%	AMOUNT	P-MRNRD
1	MOBILIZATION	1	LS	\$4,000.00	\$4,000	50%	\$2,000	50%	\$2,000	
2	SILT FENCE	350	LF	\$1.75	\$613	100%	\$613	0%	\$0	
3	HYDRAULIC DREDGING	10,000	CY	\$8.00	\$80,000	50%	\$40,000	50%	\$40,000	
4	MODIFY CMP RISER & OUTLET	1	LS	\$2,000.00	\$2,000	100%	\$2,000	0%	\$0	
5	SEEDING(SUPER TURF II)	52,000	SF	\$0.08	\$4,160	100%	\$4,160	0%	\$0	
6	SEEDING(UNITED FACN WETLAND MIXTURE)	16,300	SF	\$0.12	\$1,956	100%	\$1,956	0%	\$0	
7	PERMANENT EROSION CONTROL MATTING	16,300	SF	\$0.20	\$3,260	100%	\$3,260	0%	\$0	
	Total Construction Cost				\$95,989		\$53,989		\$42,000	
	Plus Engineering & Legal			25%	\$23,997	100%	\$23,997	0%	\$0	
		Total Project Cost			\$119,986		\$77,986		\$42,000	



West Bay Woods

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