

ENGINEERING AND DESIGN SERVICES FOR THE DREDGING OF LAKES
ELKHORN AND KITTAMAQUNDI

Updated 02/28/09

PROJECTED PROJECT MILESTONES:

Original Date	Adjusted Date	Description
February 2008	March 2009	Lake Elkhorn ONLY -Begin development of procurement documents.
March 2008	March 2009	Lake Elkhorn ONLY - Issue the procuring documents (“bid”) for dredging of Lake Elkhorn.
February 2008	April 2009	Lake Kittamaqundi ONLY - Adjust plans based on US Army Corps of Engineers, DNR and Howard County agency comments. Submit revised dredging plans responses for permitting agency approval.
May 2008	May 2009	Lake Elkhorn ONLY - Award Project
March 2008	July 2009	Lake Kittamaqundi ONLY - Begin development of procurement documents.
March 2008	August 2009	Lake Kittamaqundi ONLY - Issue the procuring documents (“bid”) for dredging of Lake Kittamaqundi.
June 2008	September 2009	Lake Elkhorn ONLY - Contractor to begin work. Projected work duration is 12 months.
May 2008	October 2009	Lake Kittamaqundi ONLY - Award Project
June 2008	November 2009	Lake Kittamaqundi ONLY - Contractor to begin work. Projected work duration is 12 months

COMPLETED PROJECT MILESTONES:

Projected Date	Actual Date	Description
	February 2009	Lake Kittamaqundi ONLY – Presented dredging project details to Agency Joint Evaluation Team consisting of USACE, MDE, USFWS, USEPA, MDBPW, MDDNR, MDP, USNOAA.
February 2008	February 2009	Lake Elkhorn ONLY – Submitted final revisions and comments to Howard County.

Projected Date	Actual Date	Description
February 2008	November 2008 – February 2009	Adjust plans based on US Army Corps of Engineers & DNR agency comments. Submit final dredging plans and applications for permitting agency approval. CA submitted changes and responded to comments on 3 separate occasions spanning 11/08 - 2/09
June 2008	August 2008	Adjust plans based on County agency comments. Submit final dredging plans and applications for permitting agency approval.
April 2008	May 2008	Meet with Howard County Division of Land Development for pre-submission conference. Submit for permits to Federal, State and County agencies. Submission to include 2,000 sheets of drawings and over 34 binders of reports, declarations, surveys and test reports.
February 2008	March 2008	Submit documents to SHA and obtain Letter of Intent to Lease. Transmit agreements to HDR for inclusion in permit application as required by Army Corps of Engineers and MDE.
January 2008	January 2008	Met with State Highway Administration and identified studies and documents necessary for a Letter of Intent to lease SHA property fro Lake Kittamaqundi staging area. Staff and Consultants began compilation of required documents.
December 2007	December 2007	CA obtained outside cost estimate (90% design phase) for budgeting purposes. The cost estimates indicate that the projects, as designed, are within the budgets. Lake Kittimaqundi is estimated at \$4.98 million and Lake Elkhorn is estimated at \$4.48 million.
September – December 2007	September – December 2007	Submit Lake Kittamaqundi staging plans to South Entrance Road property owners General Growth Properties, Howard County, Maryland and State Highway Administration for review of proposed use by CA. Developed and executed Right-of-Entry agreements between CA and GGP and CA and Howard County
April 2007	August 2007	HDR submitted design drawing to CA project staff for review and comments.
	August 2007	Respond to Board Member Broida’s request for information #99, including color renderings of the proposed forebay at Lake Kittamaqundi.
April 2007	May – August 2007	HDR finalize drawings and permit applications.

Projected Date	Actual Date	Description
	April 30, 2007	CA project staff release HDR to finalize dredging and staging area design based on the CA Board directive.
	April 26, 2007	CA Board of Directors, after reviewing informational binder and hosting the “resident speak-out” at the regularly scheduled Board of Directors meeting held a vote on the staging areas. CA Board voted to stage Lake Kittamaqundi dredging at the South Entrance Road and Lake Elkhorn in the Lake Elkhorn parking lot.
	March – April, 2007	CA staff attends Owen Brown and Town Center Community Association Board Meetings to present staging options to the community, receive and record resident concerns and desires for reporting to CA Board of Directors. Binders containing comprehensive information about the dredging process, staging areas, impact statements, material testing results, cost estimates, resident concerns and complaints provided to Board of Directors and placed on CA website for easy access by residents.
March 2007	March 1, 2007	Consultant to submit more detailed plans for CA reviews of the access, staging, dewatering and dredging plans.
February, 2007	February 1, 2007	Confirm dredging methodology appropriate for each lake. Confirm peninsula construction materials. Consultant to begin design on staging areas for each lake.
	January 2007	Consultant submitted two staging plans for Lake Elkhorn to Howard County for preliminary “informal” review”. The two options are 1) staging at parking lot area, 2) staging below the dam at the lakeside. CA obtains outside cost estimate for budging purposes.
	December 2006	Consultant directed to examine the south end of Lake Kittamaqundi below the dam to South Entrance Road to determine feasibility of access and staging.
	November 2006	Consultant completed and delivered conceptual plans for dredging of both lakes. Drawings include existing conditions, proposed dredging depths, wetlands and peninsula creations, access and isthmus details. (Collectively called “dredging plans”)
	October 2006	CA Board voted and approved the recommendations.

Projected Date	Actual Date	Description
	October 2006	<p>Planning and Strategy Committee agreed to recommend to the CA Board:</p> <ul style="list-style-type: none"> □ Proceed into preliminary design at Lake Kittamaqundi using the Crescent Property as the dewatering staging site □ Proceed with the level of design at Lake Elkhorn to submit both Hopewell Park and the Lake Elkhorn parking lot as potential staging and dewatering sites.
	September 2006	Proposed dredging plans for Lake Kittamaqundi presented to Town Center Village Board.
	September 2006	Proposed dredging plans for Lake Elkhorn presented to Owen Brown Village Board.
	September 2006	Proposed dredging plans for Lake Elkhorn presented to Owen Brown Village Board.
	August 2006	Dredging options presented to CA Board of Directors.
	July 6, 2006	Early coordination meeting with federal, state and county permitting agencies.
	April 2006	Initiated efforts to locate dredge material placement sites, survey lake surrounds for project staging and dewatering sites, examine dewatering methods.
	March 2006	Project kick-off meeting with HDR Engineering, Inc.