

## COUNCIL WORKSHOP ITEM

**ITEM:** Hickory Court Ditch – Streambank Stabilization  
**DATE:** August 20, 2003  
**PREPARED BY:** John J. Bajor, Jr., Director of Public Works  
Michael D. Millette, Asst. Director of Public Works - Engineering  
Jonathan C. Hall, Development Engineering Manager  
**PURPOSE:** Provide information for further direction

### DISCUSSION:

The Public Works Department is currently exploring design alternatives for streambank stabilization of the Lacey Creek tributary which flows from Hickory Court to 35<sup>th</sup> Street, just east of Venard Road (see attached). The work would include approximately 150 centerline feet of creek. This property is owned by the Innisbrook Unit 1 Home Owners Association. Part of the area appears to be contained within a drainage easement.

We have received a preliminary cost estimate for this project from Christopher B. Burke Engineering (attached) which shows a project total of \$148,860, including surveying, design, permitting, construction inspection, and construction. Much of this work, including inspection and surveying, could be accomplished in-house by the Engineering Division of Public Works. We estimate that the Professional Services subtotal could be reduced by up to \$30,000; however, an outside consultant will be required to assist with permit documentation and stream modeling. The design and permit phase will help us determine the exact extent of stabilization necessary, and it appears that additional savings may be achieved with an alternate soil stabilizing system. By limiting the project to the currently eroded areas, significant construction cost savings could also be realized. Based on the contribution of the Orchard Brook Homeowners Association to the Lacey Creek stabilization project, we would further recommend that a cost share of 20% be requested of the Innisbrook Homeowners Association for improvements to the Hickory Court channel.

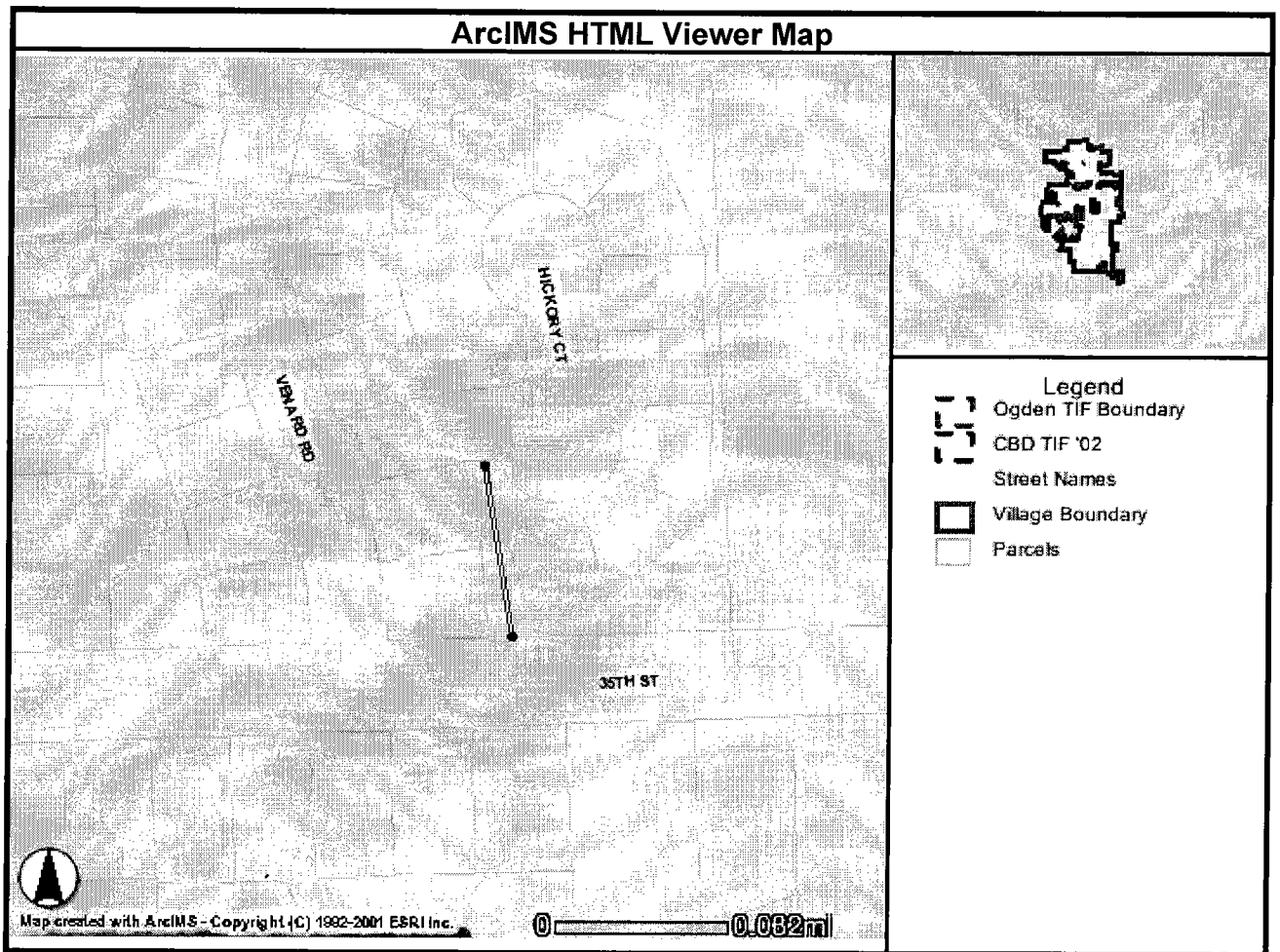
### ATTACHMENT:

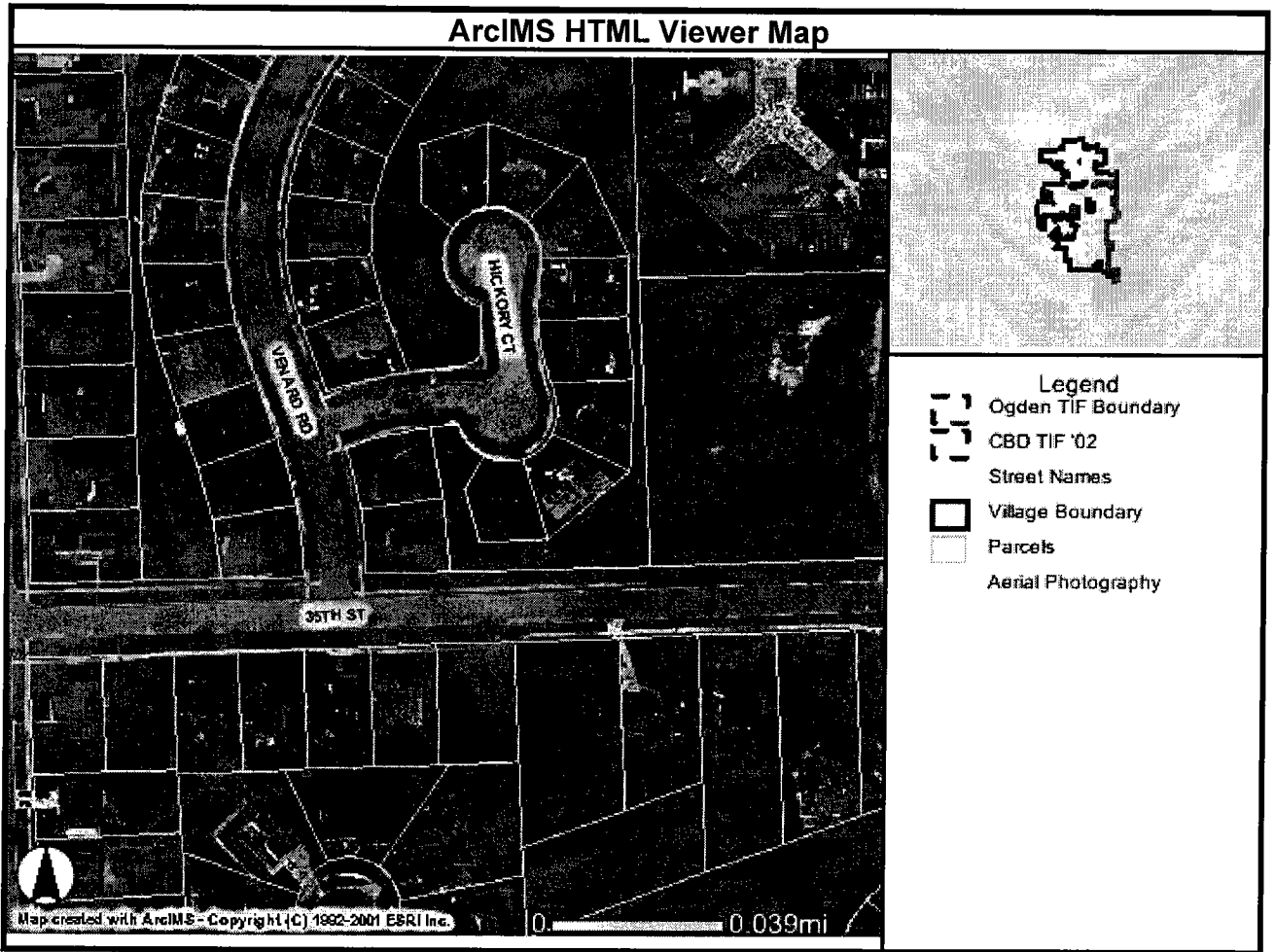
- Project location map
- Project area aerial photo
- CBBEL cost estimate

### RECOMMENDATION:

We request that Council provide Staff with further direction:

1. What portion of the reallocated CIP funds may be applied to this project?
2. Provide other comments on the overall scope and schedule of the project.





**HICKORY COURT DITCH (GINGER CREEK) - DOWNERS GROVE, IL**

*Streambank Stabilization Project*

**PRELIMINARY OPINION OF PROBABLE COST**

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount
<b>IMPROVEMENTS</b>					
1	Reinforced Concrete Retaining Wall (assume 3' exposed height)	75	LF	\$250.00	\$18,750.00
2	Fabric Wrapped Slope (assume 4 x 1' lifts @ 75')	300	LF	\$25.00	\$7,500.00
3	Stabilator Erosion Prevention System	1800	SF	\$18.00	\$32,400.00
4	Herbaceous Vegetation (Seeding)	0.1	ACRE	\$6,000.00	\$600.00
5	Rock Toe Protection	300	LF	\$60.00	\$18,000.00
6	Clearing	1	LS	\$750.00	\$750.00
7	Tree Removal	1	LS	\$1,200.00	\$1,200.00
8	Construction Access	1	LS	\$800.00	\$800.00
9	Restoration of Access	1	LS	\$2,500.00	\$2,500.00
10	Other Grading and Shaping	225	CY	\$18.00	\$4,050.00
<b>SUBTOTAL</b>					<b>\$86,550.00</b>
<b>20% CONTINGENCY</b>					<b>\$17,310.00</b>
<b>TOTAL IMPROVEMENTS</b>					<b>\$103,860.00</b>
<b>PROFESSIONAL SERVICES</b>					
1	Engineering Design, Survey	1	LS	\$15,000.00	\$15,000.00
2	Permitting (including FEQ & SMP)	1	LS	\$15,000.00	\$15,000.00
3	Construction Observation (P/T)	1	LS	\$15,000.00	\$15,000.00
<b>TOTAL PROFESSIONAL SERVICES</b>					<b>\$45,000.00</b>
<b>TOTAL</b>					<b>\$148,860.00</b>

- NOTES: (1) This estimate does NOT include soil boring costs.  
(2) Estimate assumes that no soil conditions will require special modifications.