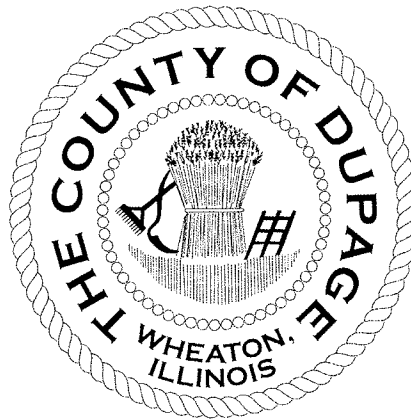


Klein Creek Watershed Study and Flood Control Plan Addendum No. 2

Comment Response Document



Prepared by:
DuPage County Stormwater Management Division
and Wills Burke Kelsey Associates

December 14, 2010

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The following are comments and questions recorded for the Klein Creek Watershed Plan Addendum No. 2 during the public comment period of October 6, 2010 to November 4, 2010. A public information meeting was held on October 13, 2010 at the Carol Stream Village Hall Board Room at 7:00 p.m.

Comments Written on Comment Cards at Public Information Meeting

The comment cards received have been copied and are attached as **Appendix A**.

Terry Venchus, 418 Hiawatha Dr

Comment 1

How many houses will this actually save? What are the areas that will still be affected or unaffected? Is the goal to save homes? Why is it so important to not flood the park but flood homes is acceptable?

Response 1

Houses are never "saved" from flooding, as there could always be a larger storm than what a structure is protected against. However, the potential for overbank flooding will be significantly reduced through implementation of the proposed improvements. The goal is to reduce the frequency and intensity of flooding. 17 homes that are currently in the floodplain will be benefitted by the proposed project in the recommended alternative.

Rick Gieser, 796 Pawnee Dr

Comment 2

I like the idea of using Armstrong Park for mitigation! I would also like to see some additional work completed upstream – outside of Carol Stream – before the water gets to town. I think the detention around Stratford Mall needs to be addressed and see if we can prevent water from getting to town – to see if any controls in existence at the Mall work properly. Also, I think additional work needs to be completed on the Elk Trail bridge. It needs to be improved to hold additional water if possible before it starts damaging homes. Thank you for the hard work!!

Response 2

Two different alternatives were analyzed to provide floodplain storage at the upstream end of the Klein Creek Watershed. While these alternatives did provide a reduction of flood flows, the cost, specifically the land acquisition costs, to construct these alternatives make them cost prohibitive. The recommended alternative at Armstrong Park provides the greatest reduction in flows at a significantly lower construction cost.

Another alternative looked at modification of the Elk Trail structure. While the construction costs associated with this alternative are more reasonable, the analysis showed elevation increases upstream. In addition, it is our opinion that any modification to the Elk Trail structure would require a Class I dam permit by the Illinois Department of Natural Resources - Office of Water Resources (IDNR-OWR). Therefore, the structure would need to be modified to potentially pass more flows during the extreme flood events.

Don Weiss, dweiss@carolstream.org

Comment 3

Please describe the permitting process from the regulatory agencies for the preferred alternative.

Response 3

The Village of Carol Stream is a complete waiver community, and the project will require permits from the Village of Carol Stream, as would any development within the Village. Unless the State (Illinois Department of Natural Resources - Office of Water Resources) delegates a floodway review to DuPage County, the Village will be responsible for issuing permits. An IDNR-OWR permit and also a U.S. Army Corps of Engineers (USACE) permit may be required; however, all of the permits necessary for the project can not be positively determined until the recommended alternative goes into the design phase. It is anticipated that permitting and design will be completed in 2011.

Constance Totzke, 375 Illini Dr

Comment 4

Why wasn't the park asked if they will give more land for the reservoir? I think the plan is a good one – some help is better than none.

Response 4

We are working with the Carol Stream Park District on the configuration of the storage facility at this location. Meanwhile, the main factor for flood control with this facility is the size of the pumps, not the size of the reservoir. However, we have to be careful to not increase flows downstream. To see a more significant reduction of peak flows in the "damage center" would require an increase in pump capacity in conjunction with a larger reservoir, which significantly adds to the project costs. Pump capacity will be determined in final design.

Don & Barb Sabatino, 401 Illini Dr

Comment 5

Why didn't you ask the Park District for more land? Could the lake hold more water?

Response 5

We are working with the Carol Stream Park District on the configuration of the storage facility at this location. Meanwhile, the main factor for flood control with this facility is the size of the pumps, not the size of the reservoir. However, we have to be careful to not increase flows downstream. To see a more significant reduction of peak flows in the "damage center" would require an increase in pump capacity in conjunction with a larger reservoir, which significantly adds to the project costs. Pump capacity will be determined in final design.

No name, no address

Comment 6

Why don't they increase the size of the retention pond that is being constructed in Armstrong Park? They should push the wall to back up to Illini Drive.

Response 6

We are working with the Carol Stream Park District on the configuration of the storage facility at this location. Meanwhile, the main factor for flood control with this facility is the size of the pumps, not the size of the reservoir. However, we have to be careful to not increase flows downstream. To see a more significant reduction of peak flows in the "damage center" would require an increase in pump capacity in conjunction with a larger reservoir, which significantly adds to the project costs. Pump capacity will be determined in final design. The flood storage facility cannot be pushed further south towards Illini Drive due to the locations of homes.

No name, no address

Comment 7

Would like to see the use of all of Armstrong Park.

Response 7

We are working with the Carol Stream Park District on the configuration of the storage facility at this location. Meanwhile, the main factor for flood control with this facility is the size of the pumps, not the size of the reservoir. However, we have to be careful to not increase flows downstream. To see a more significant reduction of peak flows in the "damage center" would require an increase in pump capacity in conjunction with a larger reservoir, which significantly adds to the project costs. Pump capacity will be determined in final design.

No name, no address

Comment 8

Great ideas! Good job!

Response 8

Thank you for your comment.

Comments via Court Reporter at Public Information Meeting

The Court Reporter transcript is attached as **Appendix B**. Some of the questions are paraphrased here for clarity, as needed.

William Kenneally, 481 Silverleaf

Comment 9

My question is on the berm they are putting in for the south end of Armstrong Park. Why don't they use the natural bow that is on the north central part which is adjacent to the creek and adjacent to Mitchell? We can save a whole lot of pumping and a whole lot of piping because it's right there.

Response 9

The location of the proposed flood storage facility was based on several factors. First, the Carol Stream Park District's proposed park improvement plan was used as the base drawing. The Park District would like to utilize the area to the north for playing fields, parking, etc. Secondly, the proposed alternative achieves two objectives: it provides additional flood storage and also a secondary outlet out of the "damage center." The secondary outlet will be provided via a siphon pipe and it will discharge downstream near the wastewater treatment plant. The location of the siphon pipe at the south end of the park facilitates its function; otherwise, a pipe would have to be constructed from the north end of the park to the discharge location at the waste water treatment plant.

Jim Campbell, 303 Iowa Court

Comment 10

Can the Elk Trail concept modification be done immediately? At one point it was no, but now it's back in the presentation. So can it really be done?

Response 10

One of the alternatives looked at modification of the Elk Trail structure, but modification of Elk Trail is not part of the recommended alternative. While the construction costs associated with the Elk Trail alternative are more reasonable, the analysis showed water surface elevation increases upstream. In addition, it is our opinion that any modification to the Elk Trail structure would require a Class I dam permit by the Illinois Department of Natural Resources - Office of Water Resources (IDNR-OWR). Therefore, the structure would need to be modified to potentially pass more flows during the extreme flood events.

Robert Frusolone, 688 Willow Drive

Comment 11

We were part of the volunteer cleanup efforts last weekend and wanted to know the effects of doing a more thorough cleanup with equipment, something that was beyond what volunteers could do. Another question: Once a final solution is adopted, what is the time frame that it will be completed?

Response 11

Thank you very much for your interest in performing cleanup efforts in your neighborhood. The Klein Creek Watershed Study and Flood Control Plan Addendum No. 2 recommends having a routine channel maintenance program to remove deadfall woody vegetation and thin understory to reduce flooding conditions and improve the ecological health of the stream. While it is unclear what the extent of the cleanup you are seeking is or what equipment would be necessary, DuPage County does have several programs to assist residents and incorporated municipalities with regards to stream cleanup. Since 1991, DuPage County Division of Stormwater Management (previously Department of Environmental Concerns) has had a contract for stream maintenance, predominantly used for the removal of timber debris from waterways within the County. Although the Stormwater Management Plan states that the "primary responsibility for maintenance lies with the municipality in which the stormwater or flood control facility is located; e.g., city, village, county (for unincorporated areas), Forest Preserve District (for forest preserve areas)," Stormwater Management has attempted to address flooding concerns that may impact residents regionally and provide a lower cost alternative than requiring each municipality to initiate their own stream maintenance crew or contract.

Additionally, Stormwater Management has an Adopt-a-Stream program where Division staff partners with citizens and volunteer groups who want to work to remove debris and trash in and along waterways, plant vegetation, and/or monitor the quality of water. More information on both of these programs can be obtained at www.dupageco.org/swm or by calling the Stormwater Management Division at 630-407-6700.

It is anticipated that design and permitting of the project be completed in 2011 with construction beginning approximately August 2012.

Oral Comments

The following comments were those we were able to record at the Public Information Meeting. Identifying each speaker at the meeting with his or her comment(s) was difficult due to the interactive nature of the discussion.

Barry Dredze, the Winfield Post

Comment 12

Are the flows increasing downstream of Klein Creek due to the pumped flow out of Armstrong Park?

Response 12

The flows will not increase downstream as a result of the proposed alternative at Armstrong Park.

No name, no address

Comment 13

Does the buyout list get revised once this plan goes forward? I am on the buyout list, and I want to make sure I don't get off the list, even if the project says I'm saved.

Response 13

Each home on the buyout list is evaluated on a case-by-case basis. The County determines eligibility for buyouts based on established criteria. We recommend that you contact the DuPage County Stormwater Management Division with your specific concern. Houses are never "saved" from flooding, as there could always be a larger storm than what a structure is protected against. However, the potential for overbank flooding will be significantly reduced through implementation of the proposed improvements.

No name, no address

Comment 14

What is the cost of the buyouts-only option?

Response 14

The cost of the buyout only option is \$2.3 million. This is based on estimated property values and does not include demolition and clean-up costs. The buyout option does not address the emergency evacuation and public safety issues such as street closures during flood events.

No name, no address

Comment 15

The preferred alternative will cost \$8.6 million, and the county has \$5 million to spend on the project. Where will the remaining \$3.6 million come from? Will the project not be able to move forward if that money is not found?

Response 15

Failure to obtain funds would delay the project implementation. The County is still pursuing additional funding opportunities, including grants and public and private partnerships.

Comments Received via Email

The comments received via email are attached as **Appendix C**.

John Vent, 376 Illini Dr

Comment 16

I am in support of this project and have been at pretty much every meeting open to the public regarding it. I do fear however that the project will not help me as much as some of my

neighbors. I am right in the middle of the damage center and I feel my elevation is just too low. I feel that we're going to get water no matter what and the engineers I have spoken with seem to agree. We're one of the few families that had to move out in '08 AND this past July and we just moved back in on 10/2. However anything that can possibly benefit us and my neighbors in surrounding areas, my family is all for it. No one should have to go through what we've been through. I hope for the project to begin as soon as possible.

Response 16

Thank you for your comment.

Lisa Wilson, 500 Mohican Road

Comment 17

We are residents at 500 Mohican Road and are very supportive and optimistic of the Klein Creek Watershed Plan Addendum.

While it appears that the plan will primarily benefit residents South of Armstrong Park, we are hopeful that the current plan will provide us some benefit. We are the first house to flood. We are located directly North of Lake George and West of the retention pond. There is a trough or slight depression that allows the retention pond to drain into Mohican Road and down our driveway and into our house. We also receive water in through the back from Lake George. In the last two flood events we receive 30-36" of waste/flood water in our house. We did not flood on 12/27/08 as the plow left a snow bank at the end of our street, which effectively "bermed" the water from coming into the street (picture attached).

At the DuPage County Presentation on October 13th, residents of Mohican Road grouped with a representative from the engineering firm who did not have any specific knowledge on how this plan would affect our area expect to advise that it would hopefully provide some relief. The plan indicates lake expansion and additional flood control in the portion of Lake George directly South of our properties (where Balog island is), but no details of this were provided (picture from 12-2008 attached). The engineering representative stated that the County's project is focusing on the South end of the park.

While this project is going through the planning stages, we would like to request that The County and The Park District work together to consider provisions that could directly benefit our neighborhood also. (Possible berming, raised flowerbeds, retention walls, or just shoring up the West side of the retention pond a bit, and provide some protection from the lake for the back of our properties.)

I appreciate the opportunity to provide comment and thank you for your consideration in this matter.



12-2008 looking east
Mohican into retention
pond.JPG



12-2008 Looking South
From Deck Toward Lake
George.JPG



7-2010 front view of
house in right corner.jpg

Response 17

We are working with the Carol Stream Park District to optimize the storage available at the Armstrong Park location. The proposed alternative will reduce the flooding in Armstrong Park for the flood events for which it was designed. Therefore, this residence should also see a reduction of flooding during less intense, more frequent storm events. A member from the consulting team made a site visit to this residence and noticed that this property has a reverse slope driveway and a walkout basement that contribute to the flooding of the home. Staff from the village and the consulting team spoke to the resident previously about floodproofing measures to the home. Lastly, this plan did not quantify flooding due to sewer back-ups; therefore, we cannot speak on this note.

Comments Received via Letter from the Village of Carol Stream

The review comment letter received is included as **Appendix D**.

Comment V1

Page ES-2, 2nd Paragraph – It may be helpful to label the alternatives so they are easily referenced later in the Plan.

Response V1

The proposed alternatives will be numbered 1 through 6 as shown on the engineer's estimate of probable cost in Appendix 7.

Comment V2

Page ES-2, 3rd Paragraph – The stop logs are not presently in the spillway as indicated.

Response V2

The stop logs have been removed to be repaired and should be put back in until the proposed watershed plan addendum is adopted.

Comment V3

Page ES-3, 3rd Paragraph – Change “middle school” to “elementary school.”

Response V3

Comment noted and text has been revised.

Comment V4

Page 2-1, 4th Paragraph – Mitchell Lakes also serves as on-line detention for the Western Trails subdivisions.

Response V4

Comment noted and text has been revised.

Comment V5

Page 2-2, 3rd Paragraph – This channel section is also undersized and severely overgrown with vegetation. This should be noted in the Plan.

Response V5

Comment noted.

Comment V6

Page 2-2, 4th Paragraph – This paragraph makes it sound as if flood plain development (homes, garages, fences, etc, built in the flood plain) is the reason for the inadequate capacity of the channel. Homes and garages have not been located within the floodway and therefore do not “create significant restrictions.” Although portions of fences are within the floodway, they are not the only problem. The downed timber and debris blockages are probably the largest contributing factors to flow obstruction. I think it would be more accurate to say that development in the flood plain has resulted in flood damages to structures and that fences, downed timber and debris blockages are the most significant flow restrictions.

Response V6

Comment noted.

Comment V7

Page 5-1, 2nd Paragraph – It is unclear as to what is the cause of the flooding in this area. Is it the channel capacity at Thunderbird Trail or the culvert capacity or both? It appears it is the channel in both locations (Illini Drive and Thunderbird Trail) but only states it for Illini Drive. For Thunderbird Creek it only mentions the large capacity of the culvert but no mention of the channel capacity.

Response V7

The channel capacity is undersized at both Illini Drive and Thunderbird Trail. The flooding is compounded at Illini Drive by the inadequate culvert capacity. Language has been added to the watershed plan addendum document to clarify this.

Comment V8

Page 5-1, 4th Paragraph – There are other open spaces that could be available for potential storage, although none as significant as Armstrong Park. Maybe it would be better to say Armstrong Park is the only significant open space.

Response V8

Comment noted.

Comment V9

Page 6-1, 6.1 – It mentions that “a 150 acre-feet reservoir” was constructed. Our records indicate the actual flood control volume was much less. Only 124.4 acre-feet of storage was planned which also included flood plain compensatory storage for storage that already existed and detention storage for the Nardi parcels. Therefore, subtracting out the compensatory and detention storage from the as-built storage would yield the actual flood control storage provided for this project. Actual volumes should be confirmed through as-built surveys, required detention and compensatory storage calculations. It appears the FEQ model was based on an as-built 2010 Thomson survey.

Response V9

Based on the as-built survey in our records, at elevation 761.0 the storage volume is 143.82 acre-feet. We cannot quantify how much of that was actual flood storage versus compensatory storage, etc. The note in the FEQ model referencing the 2010 survey is for the outlet control

structure. The text has been revised to explain the updates that were made in this model as it relates to the Gary-Kehoe Reservoir.

Comment V10

Page 6-1 through 6-6, Section 6 – Throughout this section the study uses “total construction costs” as the basis for its comparative analysis. It omits significant costs associated with the project such as design, permitting, contingencies, construction management, inspection and land acquisition. In order to make a proper comparison, the total project cost should be used. Also, the alternatives include other flood control measures such as flood proofing and buyouts but do not provide cost estimates.

Response V10

Comment noted. The costs have been clarified in a table under Section 7, “Recommended Watershed Improvement Plan.”

Comment V11

Page 6-2, 6.3.2 – How much storage volume is being provided in Alternative A?

Response V11

A 100 acre-foot reservoir was modeled in this alternative.

Comment V12

Page 6-2, 6.3.2 – In this section there are two Alternatives, A and C. What happened to Alternative B?

Response V12

Alternative B was dismissed at the concept level. The size of the reservoir proposed in Alternative B was in between Alternative A and Alternative C. The decision was made to spend the time and budget analyzing only two of the three options, therefore A and C were chosen as possible alternatives.

Comment V13

Page 6-4, 6.5.1 – Is it possible to get 100 acre-feet of gravity storage at 8 feet deep in about the same area you are getting 115 acre-feet of pumped storage at 16 feet deep in Alternate C?

Response V13

The 115 acre-feet of the recommended alternative is not entirely at a depth of 16 feet. The 115 acre-feet will be provided in two reservoirs, one that is 15 acre-feet at 4 feet deep and one that is 100 acre-feet at 16 feet deep. While the footprint of the disturbance is roughly the same, the amount of space that is being utilized for the berm footprint is much greater with Alternative C than Alternative A. We also reiterate that these are concept levels drawings and the exact size and shape will be finalized upon approval of the plan.

Comment V14

Page 6-4, 6.5.2 – Can the “wet well” pond have a NWL of 742 instead of 744 as in Alternative A thus creating more storage or a lower berm height?

Response V14

The proposed alternative is simply a concept design. Since there are no specifics on the site conditions, i.e. groundwater levels, etc., we were conservative in our design. The actual NWL of the "wet well" will be set during the design phase.

Comment V15

Page 6-7, 6.7 – I believe a CLOMR-F will be required for fill in a flood plain.

Response V15

The floodplain fill is grading to provide ball fields and there are no insurable structures proposed in the floodplain fill, so a CLOMR-F is not required.

Comment V16

Page 6-8, 6.8 – It appears the cost per percent of damage reduction went into the decision making process for recommending Alternative C. It may be appropriate to provide that commentary in this section rather than in Section 7. Also, it would be helpful to include a table illustrating these values for the nine alternatives. The total project cost should be used in these calculations instead of the total construction costs.

Response V16

Comment noted.

Comment V17

Page 7-1, Section 7 – The Recommended Watershed Improvement Plan does not mention anything about flood plain buyouts or flood proofing. These should be identified as components of the Recommended Plan. Also, other Watershed Plans included a water quality improvement which was requested by the Village. However, only one sentence was included in the entire Plan. As was done with other Plans, this Plan should include a water quality improvement element, such as stream bank stabilization, identifying its need, benefits and costs as well as an explanation of how such improvements could be funded and constructed. Stream bank stabilization will restore flow characteristics and lessen potential for flooding due to debris blockages, sedimentation, channel modifications and other flow obstructions. It will also improve the functional value of the stream restoring wildlife habitats and reducing erosion. Water quality improvements are essential in a comprehensive Watershed Plan and therefore should be included.

Response V17

Aspects of watershed planning, such as additional problem identification and water quality enhancements, are important components of comprehensive watershed plans that could be included in the document. Stormwater Management has recognized erosion control as an integral part of the proper management of stormwater and determined, nearly a decade ago, that the streambanks along Klein Creek and Thunderbird Creek require stabilization. However, these endeavors are extremely costly and likely require extensive partnerships for monetary and other resources to complete the stabilization project. At this time, those resources have not been secured. DuPage County Resolution SM-0005-00 is evidence of Stormwater Management's commitment toward the "Klein Creek and Thunderbird Creek Streambank Restoration Project." Text has been added to the Watershed Plan to demonstrate continued support.

Comment V18

Page 7-1, 3rd Paragraph – The construction of Armstrong Park Alternative C will require coordination and scheduling with the Carol Stream Park District's Armstrong Park Project. This should be referenced here.

Response V18

Comment noted.

Comment V19

Page 7-1, Section 7 – The Plan should encourage all communities to implement measures to reduce storm water runoff. Given the watershed is almost entirely developed, this will need to be done through redevelopment initiatives or public retrofits.

Response V19

Comment noted.

Comment V20

Page 8-1, Section 8 – It would be helpful to identify how the project, Gary Avenue, flood proofings and buyouts are going to be funded. It is unclear how the \$11.1M total project costs will be funded or how flood proofings and buyouts will be funded.

Response V20

A table is provided in the watershed plan addendum's section on Funding to further clarify implementation of the proposed project.

Comment V21

Section 10 – Exhibits 10, 11, and 12 are labeled as Alternatives 6A, 6B and 6C respectively. However, the report just identifies them as Alternatives A, B and C.

Response V21

As stated in Response V1, the numbering of the alternatives will be consistent through the report.

Comment V22

Section 10 – Exhibit 13 is labeled Alternative 6. Isn't this Alternative A, B and C?

Response V22

Comment noted. The revised document clarifies these labeling inconsistencies.

Comment V23

Appendix 7 – The costs for Alternative 6C of \$7.35M doesn't match with the commentary in section 6.5.3 on page 6-6 which states \$7.7M. Also the cost of \$7.7M for Upstream Storage – Location 2, Option C doesn't match the \$7.6M stated in Section 6.3.2 on page 6-3 and the cost of \$9.4M for land acquisition doesn't match the \$9.3M stated on page 6-3. It appears these discrepancies are minor rounding differences with the first difference being more significant.

Response V23

The difference in costs is due to the land acquisition costs for each alternative. The revised document clarifies these.

Comment V24

Appendix 7 – The cost estimates use the term “Option” rather than “Alternative” which was used in the report. They also identified the alternatives as 2, 3, 4, etc., whereas the report did not use this labeling. The labeling used in the cost estimate is easier to understand.

Response V24

As stated in Response V1, the numbering of the alternatives will be consistent through the report.

Appendix A

Comment Cards Received at Public Information Meeting

TERRY VENCHUS
418 HIAWATHA DRIVE

HOW MANY HOUSES WILL THIS ACTUALLY SAVE?

WHAT ARE THE AREAS THAT WILL STILL BE AFFECTED
OR UNAFFECTED?

IS THE GOAL TO SAVE HOMES?

WHY IS IT SO IMPORTANT TO NOT FLOOD THE PARK
BUT FLOOD HOMES IS ACCEPTABLE

GREAT IDEAS

GOOD JOB!

would like to see the use of
all of Armstronge PARK.....

Why don't they increase the
size of the retention pond
that is being constructed
in Armstrong Park? They
should push the wall to back
up to line drive

COMMENT:
ARMSTRONG PARK ALTERNATIVE
"C" APPEARS TO BE THE
MOST EFFECTIVE PLAN.

QUESTION:
PLEASE DESCRIBE THE
PERMITTING PROCESS FROM
REGULATORY AGENCIES.

DON WEISS 630/693-7551
dweiss@carolstream.org

Rick Gieser
796 Pawnee Dr.
Carol Stream IL 60188
geezball@aol.com
630 681 7562

I like the idea of using Armstrong Park for mitigation!

I would Also like to see some additional work completed upstream - outside of Carol Stream - before the water gets to town. I think the detention around Stratford Mall needs to be addressed and see if we ~~can~~ prevent water from getting to town - to see if any controls already

In existence and the Mall works properly.

Also - I think additional work needs to be completed on the Elk Trail bridge. It needs to be improved to hold additional water, if possible - before it starts damaging homes?

Thank you for the hard work!!

Why didn't you ask the Park District
for more land?

Could the lake hold more water?

Don & Barb Sebastino
401 Illini Dr.
630-690-1957

Constance Totzke
375 Illini Dr

Why wasn't the park asked if they will give more land for the
reservoir?

I think the plan is a good one some help is better than none

Appendix B

Court Reporter Transcript

COUNTY OF DUPAGE, ILLINOIS
STORMWATER MANAGEMENT DIVISION

IN THE MATTER OF:)
)
KLEIN CREEK WATERSHED STUDY)
ANALYSIS)

PUBLIC COMMENTS
October 13, 2010
7:10 p.m.

PROCEEDINGS HAD and testimony taken at the Carol
Stream Village Hall Board Room, Carol Stream, Illinois
before Kerry E. Chitkowski CSR No. 84-003340.



County Court Reporters, Inc.

County View Centre, Suite 200
600 South County Farm Road • Wheaton, Illinois 60187
(630) 653-1622 • FAX (630) 653-4119
CCR600@Ameritech.net

1 MR. KENNEALLY: My name is William Kenneally,
2 K-e-n-n-e-a-l-l-y. I live at 481 Silverleaf which is
3 just north of Illini. We have been there 44 years.
4 My question, that I asked him, is on the berm that
5 they are putting in for the south end of Armstrong
6 Park. Why don't the use the natural bow that is on
7 the north central part which is adjacent to the creek
8 and adjacent to Mitchell. We can save a whole lot of
9 pumping and a whole lot of piping because it's right
10 there. They are the engineers, so I guess they know
11 what is best, but I mean I just question the location.

12 MR. CAMPBELL: Jim Campbell, C-a-m-p-b-e-l-l,
13 303 Iowa Court. I have a question. Can the Elk Trail
14 concept modification be done immediately? At one
15 point it was no, but now it's back in the
16 presentation. So can it really be done.

17 MR. FRUSOLONE: Robert Frusolone,
18 F-r-u-s-o-l-o-n-e. 688 Willow Drive in Carol Stream.
19 We talked about the stream maintenance. We were part
20 of the volunteer cleanup efforts last weekend and
21 wanted to know the effects of doing a more thorough
22 cleanup with equipment, something that was beyond what

1 volunteers could do.

2 The engineer we spoke with definitely
3 thought we needed to put that down in the record as a
4 suggestion.

5 MS. FRUSOLONE: You wanted to know about the
6 time frame.

7 MR. FRUSOLONE: Another question I asked was
8 the time frame. Once a final solution is adopted,
9 what is the time frame that it will be completed?

10 (Whereupon all the proceedings were
11 had.)

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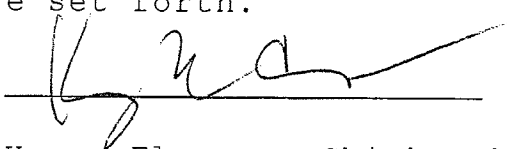
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1 STATE OF ILLINOIS)
) SS.
2 COUNTY OF DU PAGE)

3 I, Kerry Flanagan Chitkowski, C.S.R. duly
4 qualified and commissioned for the State of Illinois,
5 County of DuPage, do hereby certify that I reported in
6 shorthand the proceedings had and testimony taken at
7 the hearing of the above-entitled cause, and that the
8 foregoing transcript is a true, correct, and complete
9 report of the entire testimony so taken at the time
10 and place herein above set forth.

11 
12 Kerry Flanagan Chitkowski, CSR

13 CSR No. No. 084-003340
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Appendix C

Emails Received

Prince, Lillian

From: John Vent [John.Vent@sxc.com]

Sent: Friday, October 29, 2010 2:24 PM

To: Prince, Lillian

Subject: RE: Support - Klein Creek Watershed Study and Flood Control Plan

Hey Lillian you actually gave me your card at the 10/13 Village of Carol Stream meeting where this plan was presented to the residents. I am one of the few homes that were on the buyout list prior to the 2010 event. It was nice to meet you and thanks for answering my questions. If there is anything I can do in this process, please do not hesitate to call or email me!

From: Prince, Lillian [mailto:Lillian.Prince@dupageco.org]

Sent: Friday, October 29, 2010 2:20 PM

To: John Vent

Subject: RE: Support - Klein Creek Watershed Study and Flood Control Plan

Mr. Vent:

Thank you for your comment.

Lillian B. Prince, P.E., CFM, LEED AP

DuPage County

Stormwater Management Division

Phone: 630.407.6700

www.dupageco.org

From: Korovesis, Andrea

Sent: Friday, October 29, 2010 12:00 PM

To: Prince, Lillian

Subject: FW: Support - Klein Creek Watershed Study and Flood Control Plan

This came to the stormwatermgmt email address

From: John Vent [mailto:John.Vent@sxc.com]

Sent: Friday, October 29, 2010 11:53 AM

To: Korovesis, Andrea

Subject: Support - Klein Creek Watershed Study and Flood Control Plan

I am in support of this project and have been at pretty much every meeting open to the public regarding it. I do fear however that the project will not help me as much as some of my neighbors. I am right in the middle of the damage center and I feel my elevation is just too low. I feel that we're going to get water no matter what and the engineers I have spoken with seem to agree. We're one of the few families that had to move out in '08 AND this past July and we just moved back in on 10/2. However anything that can possibly benefit us and my neighbors in surrounding areas, my family is all for it. No one should have to go through what we've been through. I hope for the project to begin as soon as possible.

Thanks.

John Vent

376 Illini Dr

Carol Stream

630-730-9552

Prince, Lillian

From: Prince, Lillian
Sent: Monday, November 01, 2010 9:11 AM
To: 'Lisa'
Subject: RE: DuPage County's Klein Creek Watershed Plan Addendum

Lisa,
Thank you for your comment.

Lillian B. Prince, P.E., CFM, LEED AP
DuPage County
Stormwater Management Division
Phone: 630.407.6700
www.dupageco.org

From: Korovesis, Andrea
Sent: Monday, November 01, 2010 8:29 AM
To: Prince, Lillian
Subject: FW: DuPage County's Klein Creek Watershed Plan Addendum

From: Lisa [<mailto:lwilson@jmselectric.com>]
Sent: Sunday, October 31, 2010 10:09 AM
To: Korovesis, Andrea
Subject: DuPage County's Klein Creek Watershed Plan Addendum

We are residents at 500 Mohican Road and are very supportive and optimistic of the Klein Creek Watershed Plan Addendum.

While it appears that the plan will primarily benefit residents South of Armstrong Park, we are hopeful that the current plan will provide us some benefit. We are the first house to flood. We are located directly North of Lake George and West of the retention pond. There is a trough or slight depression that allows the retention pond to drain into Mohican Road and down our driveway and into our house. We also receive water in through the back from Lake George. In the last two flood events we receive 30-36" of waste/flood water in our house. We did not flood on 12/27/08 as the plow left a snow bank at the end of our street, which effectively "bermed" the water from coming into the street (picture attached).

At the Dupage County Presentation on October 13th, residents of Mohican Road grouped with a representative from the engineering firm who did not have any specific knowledge on how this plan would affect our area except to advise that it would hopefully provide some relief. The plan indicates lake expansion and additional flood control in the portion of Lake George directly South of our properties (where Balog Island is), but no details of this were provided (picture from 12-2008 attached). The engineering representative stated that the County's project is focusing on the South end of the park.

While this project is going through the planning stages, we would like to request that The County and The Park District work together to consider provisions that could directly benefit our neighborhood also. (Possible berming, raised flowerbeds, retention walls, or just shoring up the West side of the retention pond a bit, and provide some protection from the lake for the back of our properties.)

I appreciate the opportunity to provide comment and thank you for your consideration in this matter.

Sincerely,
Lisa Wilson

Appendix D

Review Comment Letter from Village of Carol Stream



Carol Stream
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Village of Carol Stream

FRANK SAVERINO, SR., MAYOR • BETH MELODY, CLERK • JOSEPH E. BREINIG, MANAGER
500 N. GARY AVENUE • CAROL STREAM, ILLINOIS 60188-1899
(630) 665-7050 • FAX (630) 665-1064
www.carolstream.org

November 8, 2010

Anthony Charlton, P.E.
Director
Stormwater Management Division
DuPage County
421 N. County Farm Road
Wheaton, IL 60187

RE: Klein Creek Watershed Study & Flood Control Plan, Addendum No. 2 – Public
Review Comments

Dear Tony:

On behalf of the Village of Carol Stream I am submitting the attached review comments on the above referenced Plan. The Village is very supportive of DuPage County's Plan that will help address flooding in the Village and thank you for all your efforts. Please feel free to contact me if you have any questions or need additional information.

Sincerely,

James T. Knudsen, P.E.
Director of Engineering Services

Cc: Joseph Breinig, Village Manager
William N. Cleveland, Assistant Village Engineer

Klein Creek Watershed Study
And Flood Control Plan
Addendum No. 2

Review Comments
October 28, 2010

1. Page ES-2, 2nd Paragraph – It may be helpful to label the alternatives so they are easily referenced later in the Plan.
2. Page ES-2, 3rd Paragraph – The stop logs are not presently in the spillway as indicated.
3. Page ES-3, 3rd Paragraph – Change “middle school” to “elementary school”.
4. Page 2-1, 4th Paragraph – Mitchell Lakes also serves as on-line detention for the Western Trails subdivisions.
5. Page 2-2, 3rd Paragraph – This channel section is also undersized and severely overgrown with vegetation. This should be noted in the Plan.
6. Page 2-2, 4th Paragraph – This paragraph makes it sound as if flood plain development (homes, garages, fences, etc, built in the flood plain) is the reason for the inadequate capacity of the channel. Homes and garages have not been located within the floodway and therefore do not “create significant restrictions”. Although portions of fences are within the floodway, they are not the only problem. The downed timber and debris blockages are probably the largest contributing factors to flow obstruction. I think it would be more accurate to say that development in the flood plain has resulted in flood damages to structures and that fences, downed timber and debris blockages are the most significant flow restrictions.
7. Page 5-1, 2nd Paragraph – It is unclear as to what is the cause of the flooding in this area. Is it the channel capacity at Thunderbird Trail or the culvert capacity or both? It appears it is the channel in both locations (Illini Drive and Thunderbird Trail) but only states it for Illini Drive. For Thunderbird Creek it only mentions the large capacity of the culvert but no mention of the channel capacity.
8. Page 5-1, 4th Paragraph – There are other open spaces that could be available for potential storage, although none as significant as Armstrong Park. Maybe it would be better to say Armstrong Park is the only significant open space.
9. Page 6-1, 6.1 – It mentions that “a 150 acre-feet reservoir” was constructed. Our records indicate the actual flood control volume was much less. Only 124.4 acre-feet of storage was planned which also included flood plain compensatory storage for storage that already existed and detention storage for the Nardi parcels. Therefore, subtracting out the compensatory and detention storage from the as-built storage would yield the actual flood control storage provided for this project. Actual volumes should be confirmed through as-built surveys, required detention and compensatory storage calculations. It appears the FEQ model was based on an as-built 2010 Thomson survey.
10. Page 6-1 through 6-6, Section 6 – Throughout this section the study uses “total construction costs” as the basis for its comparative analysis. It omits significant costs associated with the project such as design, permitting, contingencies, construction management, inspection and land acquisition. In order to make a proper comparison, the total project cost should be used. Also, the alternatives include other flood control measures such as flood proofing and buyouts but do not provide cost estimates.
11. Page 6-2, 6.3.2 – How much storage volume is being provided in Alternative A?
12. Page 6-2, 6.3.2 – In this section there are two Alternatives, A and C. What happened to Alternative B?
13. Page 6-4, 6.5.1 – Is it possible to get 100 acre-feet of gravity storage at 8 feet deep in about the same area you are getting 115 acre-feet of pumped storage at 16 feet deep in Alternate C?
14. Page 6-4, 6.5.2 – Can the “wet well” pond have a NWL of 742 instead of 744 as in Alternative A thus creating more storage or a lower berm height?
15. Page 6-7, 6.7 – I believe a CLOMR-F will be required for fill in a flood plain.

16. Page 6-8, 6.8 – It appears the cost per percent of damage reduction went into the decision making process for recommending Alternative C. It may be appropriate to provide that commentary in this section rather than in Section 7. Also, it would be helpful to include a table illustrating these values for the nine alternatives. The total project cost should be used in these calculations instead of the total construction costs.
17. Page 7-1, Section 7 – The Recommended Watershed Improvement Plan does not mention anything about flood plain buyouts or flood proofing. These should be identified as components of the Recommended Plan. Also, other Watershed Plans included a water quality improvement which was requested by the Village. However, only one sentence was included in the entire Plan. As was done with other Plans, this Plan should include a water quality improvement element, such as stream bank stabilization, identifying its need, benefits and costs as well as an explanation of how such improvements could be funded and constructed. Stream bank stabilization will restore flow characteristics and lessen potential for flooding due to debris blockages, sedimentation, channel modifications and other flow obstructions. It will also improve the functional value of the stream restoring wildlife habitats and reducing erosion. Water quality improvements are essential in a comprehensive Watershed Plan and therefore should be included.
18. Page 7-1, 3rd Paragraph – The construction of Armstrong Park Alternative C will require coordination and scheduling with the Carol Stream Park District's Armstrong Park Project. This should be referenced here.
19. Page 7-1, Section 7 – The Plan should encourage all communities to implement measures to reduce storm water runoff. Given the watershed is almost entirely developed, this will need to be done through redevelopment initiatives or public retrofits.
20. Page 8-1, Section 8 – It would be helpful to identify how the project, Gary Avenue, flood proofings and buyouts are going to be funded. It is unclear how the \$11.1M total project costs will be funded or how flood proofings and buyouts will be funded.
21. Section 10 – Exhibits 10, 11, and 12 are labeled as Alternatives 6A, 6B and 6C respectively. However, the report just identifies them as Alternatives A, B and C.
22. Section 10 – Exhibit 13 is labeled Alternative 6. Isn't this Alternative A, B and C?
23. Appendix 7 – The costs for Alternative 6C of \$7.35M doesn't match with the commentary in section 6.5.3 on page 6-6 which states \$7.7M. Also the cost of \$7.7M for Upstream Storage – Location 2, Option C doesn't match the \$7.6M stated in Section 6.3.2 on page 6-3 and the cost of \$9.4M for land acquisition doesn't match the \$9.3M stated on page 6-3. It appears these discrepancies are minor rounding differences with the first difference being more significant.
24. Appendix 7 – The cost estimates use the term "Option" rather than "Alternative" which was used in the report. They also identified the alternatives as 2, 3, 4, etc., whereas the report did not use this labeling. The labeling used in the cost estimate is easier to understand.