



Agenda
Village of Glen Ellyn
Special Workshop Meeting
Monday, March 21, 2016
6:00 PM
Glen Ellyn Civic Center, Room 301

Village Board Workshop Procedures Statement

Visitors are most welcome to attend all meetings of the Village Board and can find copies of the Agenda on their chairs or online at www.glenellyn.org prior to the meeting. Any individual with a disability requiring a reasonable accommodation in order to participate in a meeting should contact the Village of Glen Ellyn ADA Coordinator, 630-469-5000, at least five (5) business days in advance of the next scheduled meeting. All matters on the Agenda may be discussed, amended, and acted upon.

A. Call to Order

B. Roll Call

C. Pledge of Allegiance

D. Audience Participation

1. Open:

Members of the public are welcome to speak to any item *not* specifically listed on tonight's agenda for up to three minutes. For those items which are on tonight's agenda, the public will have the opportunity to comment at the time the item is discussed. In either case, please complete the Audience Participation form and turn it in to the Village Clerk. It is requested that, if possible, one spokesman for a group be appointed to present the views of the entire group. Speakers who are recognized are requested to step to a microphone and state their name, address and the group they are representing prior to addressing the Village Board.

E. Elm-Oak-Geneva Improvements Project Scope of Work: (Professional Engineer Minix) (Discussion Only)

1. Professional Engineer Bob Minix will present information in consideration of the Capital Improvements Commission recommendation to include private property drainage improvements on the south side of Elm Street.

F. Other Items

G. Adjournment



Glen Ellyn Village Board
535 Duane Street
Glen Ellyn, IL 60137

Meeting: 03/21/16 06:00 PM
Department: Public Works
Department Head: Julius Hansen
Category: Commission Recommendation
Prepared By: Bob Minix

SCHEDULED

AGENDA ITEM (ID # 2150)

DOC ID: 2150

Professional Engineer Bob Minix will present information in consideration of the Capital Improvements Commission recommendation to include private property drainage improvements on the south side of Elm Street.

Summary

Elm Street between Kenilworth and Western will be reconstructed as part of the forthcoming Elm-Oak-Geneva Improvements Project. The proposed \$2.7 million effort includes various drainage improvements, starting at Geneva Road and working southward through the project area to Oak Street, to address chronic flooding issues on both public and private properties. Part of the multi-step drainage plan developed by the design team includes private property improvements between the homes located at 291 and 295 Elm Street at a cost of approximately \$60,000. The Glen Ellyn Capital Improvements Commission has reviewed the proposed drainage plans and recommends inclusion of the private property work into the scope of work for the E-O-G project. Village Board review and decision on the CIC recommendation is sought by staff prior to bidding.

Issue – Private Property Drainage

The western portion of Elm Street lies within the Kenilworth Drainage Basin, with the primary conveyance storm sewer routed through private properties. The storm sewer has reasonable conveyance capabilities, but reaches capacity in moderate to heavy storms. When the pipe system is full, excess stormwater attempts to flow overland, typically following the aboveground route of the storm sewer. The current overland flow path is stymied in a number of locations. As a result, street and backyard flooding occur along Elm, Oak and Geneva in the project area, with the four homes located between 289 and 301 Elm particularly hard hit. The attached graphic titled Examples of Rear Yard Flooding gives a partial flavor of the level of flooding in this area.

Resolution 01-12, a Resolution to Establish Various Design Criteria and Policies Associated with the Reconstruction of Roadways in the Village of Glen Ellyn, speaks to private property drainage issues. Section Six states, "During construction projects, reasonable and appropriate provisions in the public right-of-way should be made to provide property owners with connection points for private drain pipes. Storm sewer improvements on private property remain the responsibility of the residents (as the benefits of the improvement accrue primarily to them), except in cases where stormwater may originate from the public right-of-way."

Background

A condensed summary of Elm-Oak-Geneva project area drainage-related items follows. The reader is requested to refer to the package prepared for the February Capital Improvements Commission meeting for a much more expansive background discussion.

- ☐ There are well documented ponding and flooding problems in the Kenilworth Basin, particularly in the northern portion between Oak and Geneva. The most recent significant

flooding event was on June 15, 2015.

- ☐ Village staff - including Stormwater Engineer Ray Ulreich and Senior Civil Engineer Rich Daubert - have conceived and developed a multi-step strategy to improve stormwater management in the northern portion of the Kenilworth Basin.
- ☐ Certain portions of the multi-step plan have already been implemented with the acceptance of drainage easements at 292 Elm / 279 Geneva / 281 Geneva and approval of certain private property improvements by the Village Board in October 2014 and June 2015.
- ☐ Senior Civil Engineer Rich Daubert has completed designs for the E-O-G project including Geneva Road drainage upgrades, Elm Street profile changes, storm sewer enhancements and overland flow improvements between the 291 and 295 Elm Street properties.
- ☐ Engineering staff met with project area residents particularly interested in drainage matters in January 2016, with continuing dialogue maintained during the design process with the 291 and 295 Elm Street residents. The current version of the plan showing proposed private property enhancements is titled 291-295 Elm Street Side Yard Improvements and is attached hereto. Elements include re-grading to lower the ground level between the homes; modular block walls framing the five-foot flow-way; brick paver treatments; miscellaneous drainage provisions; and various home entry and utility/mechanical unit revisions. The current estimated cost of these improvements is \$60,000.
- ☐ The Glen Ellyn Capital Improvements Commission reviewed the project with staff in January 2016 and met with residents in February 2016, developing a recommendation for inclusion of private property work with the E-O-G project.

Capital Improvements Commission Process

The January 2016 CIC meeting involved a review of the overall Elm-Oak-Geneva Improvements Project, with a particular focus on drainage. Staff met with a select group of residents in late January to go over planned drainage improvements. In February 2016, this same group of about twenty area residents were invited to the regular CIC meeting to provide input and dialogue with the commissioners.

Approved minutes from the January 2016 working meeting and draft minutes from the February 2016 CIC meeting (including a roster of attendees) where formal deliberations took place provide a detailed summary of the drainage discussions and citizen interactions. These minutes are included in the attachments.

To summarize:

Proposed Drainage Improvements feature enhancement of overland flow routes through the Geneva and Elm roadways and private properties on the south side of Geneva and both sides of Elm. Overland flow improvements at 291 and 295 Elm will reduce ponding levels by more than one foot and are the most cost effective way to reduce chronic flooding on the properties on the south side of Elm Street and dovetail with already implemented or planned downstream upgrades.

Resident input at the February CIC meeting included videos, pictures and verbal descriptions of street and backyard flooding. Residents continually sought a storm sewer solution to the flooding problem. Although an adjunct storm sewer in the public right of way is proposed to help stormwater bypass properties between Oak and Elm, staff emphatically emphasized that a storm sewer solution is not feasible to address the core flooding problems on the south side of Elm Street. Specific design issues for the proposed work between the 291 and 295 Elm homes were discussed.

CIC deliberations after receiving public input at their February meeting centered on the location of the storm sewer primarily through private properties in the project area. Kenilworth Basin storm sewer overflows are a combined resident and Village problem. Providing a comprehensive solution as part of the upcoming project makes sense. The proposed overland flow route between 291 and 295 Elm was preferred over a possible alternate route down the driveway on the west side of 291 Elm.

CIC Recommendation

A motion regarding the inclusion of private property drainage improvements as part of the Elm-Oak-Geneva Improvements Project was developed. The CIC recommends:

Whereas other infrastructure work is being done via the Elm-Oak-Geneva improvements project in 2016, including road work that could aid storm water flow in the area, and with the owners of 291 Elm and 295 Elm in agreement, the Capital Improvements Commission therefore recommends that work on private property be done at the same time to enhance overland water flow and be made part of the infrastructure project. Pricing is to be consistent with the Engineer's Final Estimate.

The motion was approved unanimously by the six attending commissioners.

Action Requested

The Village Board is requested to review the material included herein and consider the Capital Improvements Commission recommendations for inclusion of private property drainage work as part of the Elm-Oak-Geneva Improvements Project. Area residents have been invited to appear at the March 21, 2016 Village Board workshop to again provide direct input. Public Works staff will provide the lead-off presentation and answer any questions.

Background Information

A number of documents are enclosed that provide most of the essential background on the drainage issues associated with the E-O-C project, with significantly more detail. This information includes:

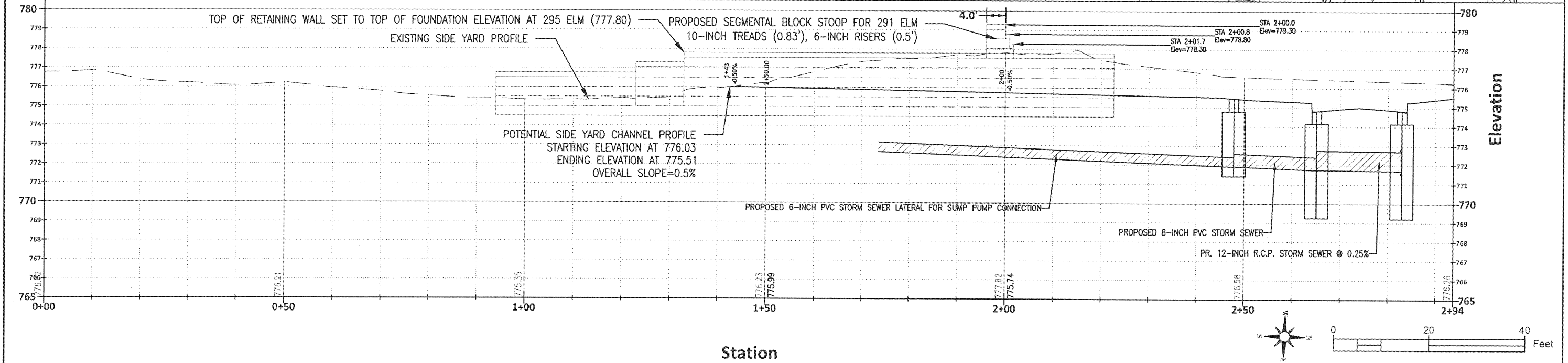
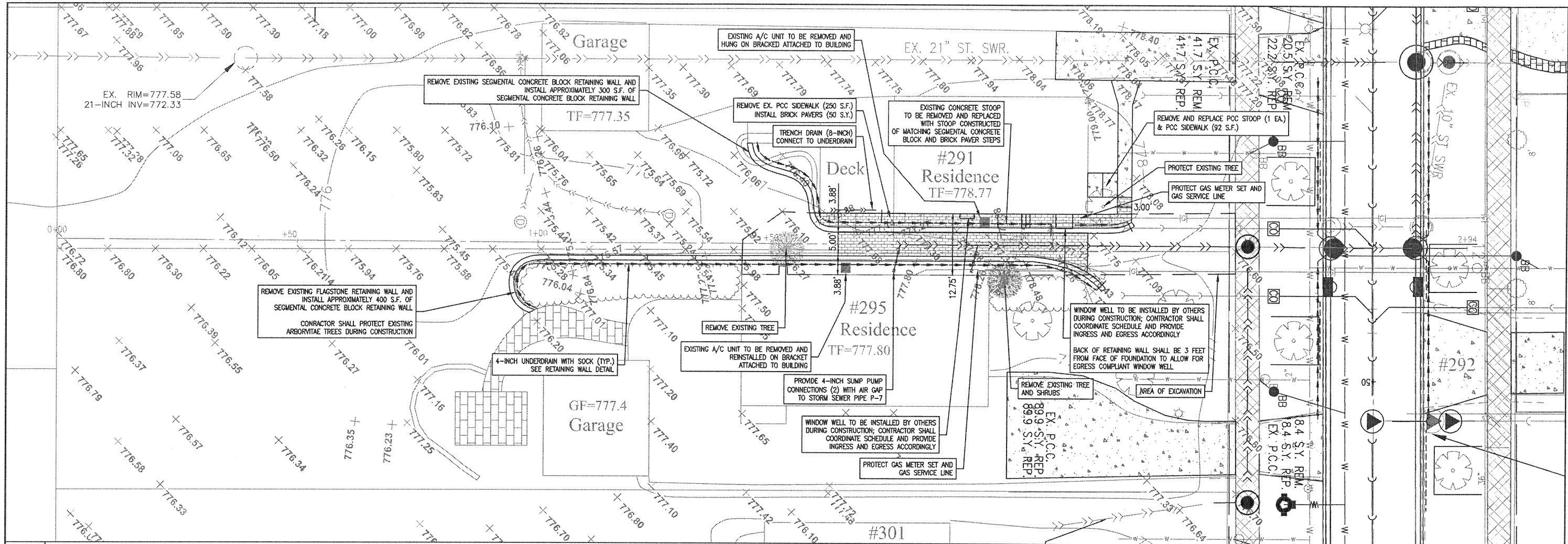
- ☐ Examples of Rear Yard Flooding pictures provided by the resident at 291 Elm Street
- ☐ 291-295 Elm Street Side Yard Improvements design drawing, dated March 4, 2016
- ☐ A staff memorandum to the Members of the Capital Improvements Commission dated February 5, 2016 providing background information and data, and requesting the CIC to develop recommendations for inclusion of private property drainage improvements in the Elm-Oak-

Geneva Improvements Project. The information transmitted to the commissioners in advance of the February meeting is substantially included therewith, including cover memo, meeting agenda; the aforementioned staff recommendation memo; and minutes from the January 2016 CIC meeting.

- ☐ Draft minutes from the February 9, 2016 Capital Improvements Commission meeting - With the cancellation of the March 2016 CIC meeting, the draft minutes were distributed to the commissioners requesting any additional comments or corrections; none were received.
- ☐ Letter dated March 10, 2016 to the twenty or so residents in the E-O-C project area particularly interested in drainage matters, inviting them to attend the March 21, 2016 Village Board workshop.

ATTACHMENTS:

- 291 Elm Street Rear Yard Flooding Photos (PDF)
- 291-295 Elm Street Side Yard Improvements Drawing (PDF)
- February CIC Package (PDF)
- CIC Meeting Minutes February 9 2016 - Draft (PDF)
- Letter to Residents re Drainage Matters - March 2016 - Invite to Board Workshop (PDF)



 VILLAGE OF GLEN ELLYN PUBLIC WORKS DEPARTMENT 30 SOUTH LAMBERT ROAD GLEN ELLYN, ILLINOIS 60137	HORIZONTAL SCALE: 1" = 40' (17x11)	DESIGNED BY:	REVISED:	REVISED:	VILLAGE OF GLEN ELLYN ELM-OAK-GENEVA IMPROVEMENTS	291-295 ELM STREET SIDE YARD IMPROVEMENTS	DATE: 3/4/2016
	VERTICAL SCALE: 1" = 10' (17x11)	DRAFTED BY:	REVISED:	REVISED:			PROJECT# 16006
	HORIZONTAL SCALE: 1" = 20' (34x22)	CHECKED BY:	REVISED:	REVISED:			SHEET 24 OF 47
	VERTICAL SCALE: 1" = 5' (34x22)	DATE CHECKED:	REVISED:	REVISED:			

Glen Ellyn Public Works Department**Interoffice Memorandum**

to: Members of the Capital Improvements Commission
from: Bob Minix, Professional Engineer 
subject: February 9, 2016 CIC Meeting – Information Transmittal
date: February 5, 2016

The February 2016 meeting of the Glen Ellyn Capital Improvements Commission is scheduled for 7:00 PM on Tuesday evening, February 9, 2016 in Room 301 of the Civic Center. The principal topic will be a continuation of last month's discussion on drainage matters associated with the pending Elm-Oak-Geneva Improvements Project. A project public meeting focusing on providing project information to a select group of area residents took place in late January when engineering staff met with about 8 property owners, all residing on Elm Street in the area where ponding and flooding is commonplace.

The principal goal of the February meeting will be the formulation of a recommendation as to the appropriate level of project work to be accomplished on private property to improve overland flow conveyance. The enclosed packet contains information pertaining to the drainage situation, consisting of a summary memo and various attachments thereto. Senior Civil Engineer Rich Daubert and I will be present to review project particulars and answer questions. The core group of Elm, Oak and Geneva residents most impacted by drainage has been invited to attend the upcoming CIC meeting and their input will likely be very useful and compelling.

Other contents of the information packet include the agenda, draft minutes from the January 12, 2016 meeting and the February 2016 construction report.

Please contact me at 630-547-5514 (direct line) or via email (bobm@glenellyn.org) if you have any questions or comments. See you on Tuesday night.

cc: Julius Hansen, Public Works Director
Rich Daubert, Senior Civil Engineer
Jeff Perrigo, Civil Engineer
Dean Clark, Trustee Liaison
Tim Elliott, Trustee Liaison pro tem
Karen Blake, Recording Secretary



A G E N D A

CAPITAL IMPROVEMENTS COMMISSION

Glen Ellyn Civic Center – Room 301
Glen Ellyn, IL 60137

**Tuesday, February 9, 2016
7:00 PM**

- I. Call to Order
- II. Audience Participation (non-agenda items)
- III. Approval of Minutes from the January 12, 2016 Meeting
- IV. Consideration of Private Property Drainage Issues Associated with the Elm-Oak-Geneva Improvements Project:
 - ☐ Engineering Staff Presentation
 - ☐ CIC Questions to Project Team
 - ☐ Audience Comments and Input
 - ☐ CIC Deliberations
 - ☐ Formulation and Approval of Recommendation
- V. Trustee's Report
- VI. Other Business (as required)
- VII. Public Works Report
- VIII. Project Report
- IX. Adjournment

MEMORANDUM

TO: Capital Improvements Commission

FROM: Bob Minix, Professional Engineer *Bob Minix*

DATE: February 5, 2016

SUBJECT: Elm-Oak-Geneva Improvements Project
Private Property Drainage Considerations and Request for CIC
Recommendation



ISSUE

The planned 2016 Elm-Oak-Geneva (EOG) Improvements Project will reconstruct Elm Street between Kenilworth and Western, including water main, sanitary sewer and storm sewer improvements; complete replacement of the existing roadway with new concrete curb and gutter, driveway approaches and full-depth asphalt pavement; and sidewalk upgrades. Included in the project is the resurfacing of Oak Street between the same limits. Also included in the scope of work are various drainage improvements in and near Geneva Road just east of Kenilworth to address stormwater ponding and flooding issues for residents of Geneva, Elm and Oak.

The western portion of the project area is in the Kenilworth drainage basin. This is an area of just over 100 acres that drains portions of Kenilworth, Linden, Marion, Maple, Oak, Elm and Geneva into Winfield Creek. West of Kenilworth about 30 acres in the City of Wheaton also feed into the basin. An existing storm sewer runs south to north through the Kenilworth Basin, with segments in Kenilworth Avenue and the main branch running through private property easements in a corridor east of Kenilworth. A schematic of the Kenilworth Basin storm sewer system is enclosed for reference.

The primary storm sewer system in the Kenilworth Basin was installed over 60 years ago. Recent improvements included an upgrade in the Kenilworth Avenue segments between Linden and Oak constructed in 2008. The storm sewer piping system is generally capable of capturing and conveying a storm with 20% probability of occurring in any given year (5-year storm), with a peak flow capacity of about 20 cubic feet per second (cfs). Runoff in excess of the pipe system's conveyance capacity will travel overland in the same direction and general location of the underground facilities. Hence, much of the overland flow is through private property. The peak runoff flow for the basin exceeds 75 cfs for very large storms.

There are well documented ponding and flooding problems in the Kenilworth Basin, particularly in the northern portion between Oak and Geneva. This section is shown on the attached graphic entitled "Kenilworth Basin – North End Overland Flow Routes". The conveyance of overland flow is stymied by the homes on the north and south sides of Elm Street, Elm Street itself as well as Geneva Road.

The pending EOG project presents an opportunity to improve the conveyance of overland flow through the work area, incorporating both public and private property improvements. The appropriate level of Village participation in implementing the private property side of the proposed drainage improvements is the issue at hand and staff is seeking guidance on the matter.

ACTION REQUESTED

The Capital Improvements Commission is the designated body to provide an initial review and consideration of the appropriate project design matters and policy implementation – including drainage elements – and to formulate needed recommendations. It is requested that the CIC formally consider the appropriate extent of private property drainage improvements to be incorporated into the Elm-Oak-Geneva Improvements Project at the February 2016 meeting.

ADDITIONAL BACKGROUND

At the January 12, 2016 Capital Improvements Commission meeting, staff provided an overview of the EOG project elements, with a primary focus on drainage issues in the Kenilworth Basin. This was primarily a working session designed to provide the commissioners with project information prior to any public meetings. Draft minutes from that meeting are enclosed and can be referenced for additional background information on the project and proposed improvements and stormwater runoff conveyance issues. On January 27, 2016 Engineering Division staff met with selected residents from the north part of the Kenilworth Basin most impacted by overland flow issues to discuss project drainage. A copy of the January 19, 2015 invitation letter is enclosed. The same group of residents have been invited to attend the upcoming CIC meeting. The residents have been encouraged to provide pictures and short videos of the extent and impact of flooding problems during the public input portion of the upcoming meeting. A copy of the February 1, 2016 project information letter containing the invitation is enclosed.

PRIVATE PROPERTY DRAINAGE CONSIDERATIONS

- ❑ **Policy** – Resolution 01-12, a Resolution to Establish Various Design Criteria and Policies Associated with the Reconstruction of Roadways in the Village of Glen Ellyn, Section Six, Private Property Drainage Considerations, states, "During construction projects, reasonable and appropriate provisions in the public right-of-way should be made to provide property owners with connection points for private drain pipes. Storm sewer improvements on private property remain the responsibility of the residents (as the benefits of the improvement accrue primarily to them), except in cases where stormwater may originate from the public right-of-way." Excerpted sections from Resolution 01-12 are included for reference.

The source of the overland flow flooding experienced by the residents on the south side of Elm Street is primarily from off-site locations. The overland flow travels through the Kenilworth Avenue and Oak Street rights-of-way as shown on the overland flow route map. Village assistance is warranted in this situation; however, issues such as the

appropriate level of financial participation, scope of improvements, maintenance responsibilities and liabilities must be addressed.

- ❑ **Previous Private Property Drainage Improvement Actions during Improvement Projects** – During the conduct of Village infrastructure improvement projects, significant dollars are typically expended to assist residents with private property drainage needs, in accordance with the provisions of Resolution 01-12. The overwhelming majority of situations involve construction strictly within the public right-of-way, typically providing a 6-inch PVC stub behind the sidewalk, ready for use by the residents when connection work on private property ensues. As a reasonably typical example, the 2015 Glenwood-Arbor-Ridgewood project provided approximately 20 connections involving the installation of nearly 750 ft. of 6-inch pipe, at a project expense of about \$55,000.

There is one instance that readily comes to mind of a significant storm sewer extension into private property to convey water ponding in a rear yard low spot. The 2004 Wingate Basin Project was the preeminent undertaking funded by the Year 2000 Referendum bonds, expending nearly \$8 million to substantially upgrade the storm sewers, roadways and water and sanitary systems in the area. At 818 Highview, as part of the Wingate Project, the Village designed and constructed an 8-inch storm sewer extension to deal with stormwater overflows originating from Bryant Avenue. An excerpt from the design drawings is enclosed depicting the improvements. About 200 ft. of 8-inch storm sewer and two inlets were placed on the property, at a total project expenses of around \$14,000 of which about \$9,000 was directly related to the work on private property. The facilities were constructed with the understanding that the pipe and inlets on the property up to the manhole in the parkway would become private, with the owner assuming all maintenance responsibilities.

- ❑ **Recent Private Property Drainage Improvement Actions in the North Kenilworth Basin Area** – Village engineering staff, including Stormwater Engineer Ray Ulreich, has engaged in a variety of recent activities to improve the conveyance of overland flow through the north portion of the Kenilworth Basin. Mr. Ulreich has negotiated three different private property easements related to various improvements, including the north side of Elm Street at 292 Elm and at 279 and 281 Geneva Road. He worked with the builder/resident at 292 Elm to situate a new garage and re-design of the driveway to provide an upgraded overland flow path through the property. At 279 Geneva – a currently vacant lot – he developed a site plan encompassing improved grading and an extension of the culvert underneath Geneva Road, establishing a defined overland flow route and release point to surmount the barrier currently imposed by Geneva Road.

As an inducement to enter into the easements, the Village agreed to compensate the property owners at 292 Elm and 279 Geneva for certain drainage-related expenses. At 292 Elm, the Village partially reimbursed the owner in the amount of \$19,500 for various driveway and retaining wall expenses associated with an improved overland flow route through the property. Please refer to the 292 Elm Street Drainage Easement memorandum updated on October 7, 2014 for additional information. Included in this

memo is a description of the multi-step plan developed by staff to improve overland flow routing in the north Kenilworth Basin. At 279 Geneva, a payment of \$4,550 was approved by the Board as part of the easement agreement as compensation for future retaining wall construction required for grading an overland flow path and protecting a potential new house on the lot. The storm sewers and culvert extension piping on the north side of the lot would be installed as part of the EOG project. The easement at 291 Geneva was for grading purposes only and no financial remunerations were part of that agreement. A copy of the memorandum written in association of the Board consideration of the easements at 279 and 281 Geneva Road is enclosed for reference.

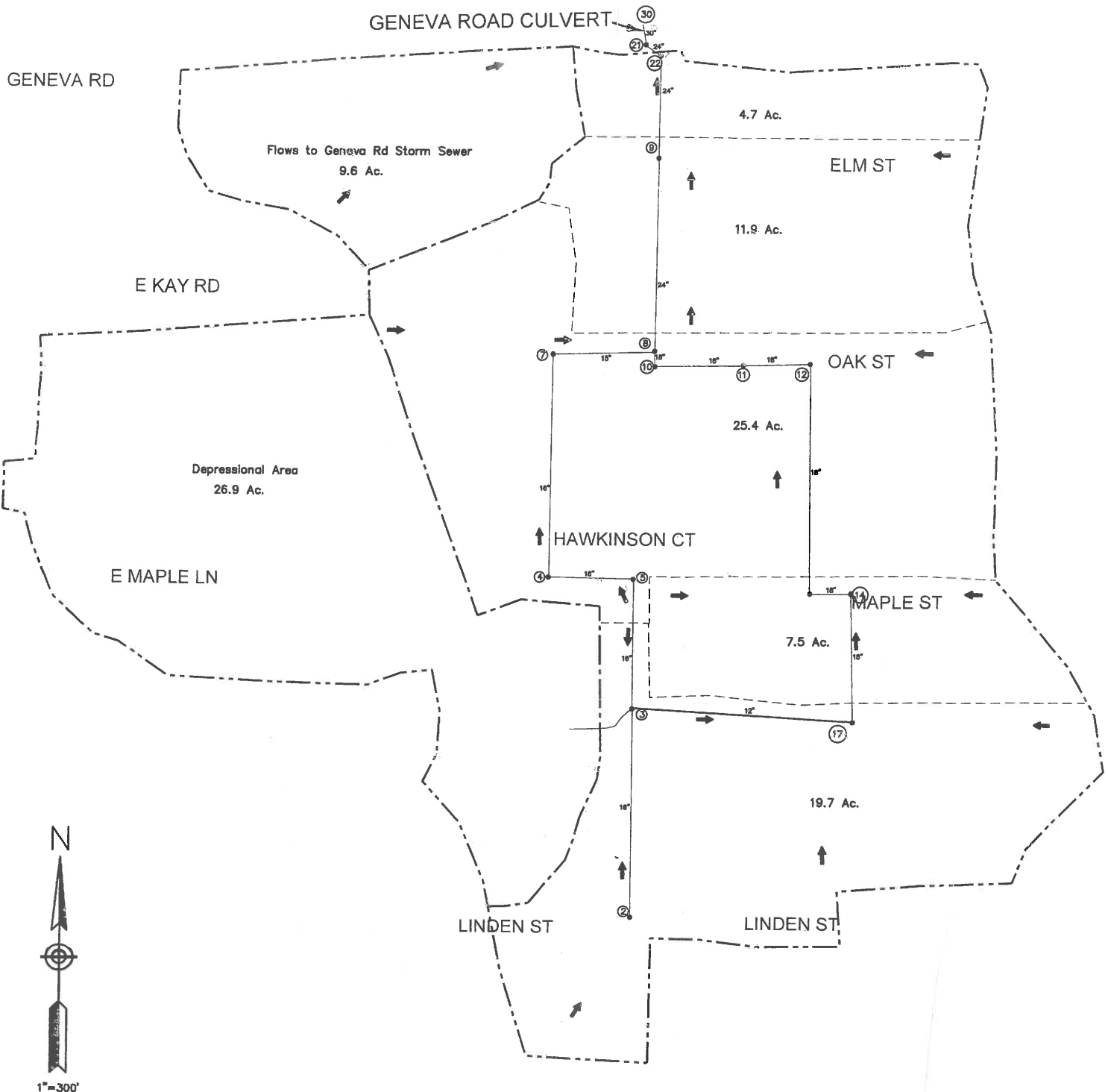
- ❑ **Costs** – Cost estimates for private property drainage improvements are being prepared by staff and will be shared with the Commission at the February meeting. Estimated total construction cost for the EOG project is \$2 million. A second alternative route on the west side of 291 Elm Street residence, taking advantage of the pending relocation of the garage on the property, is also being investigated.

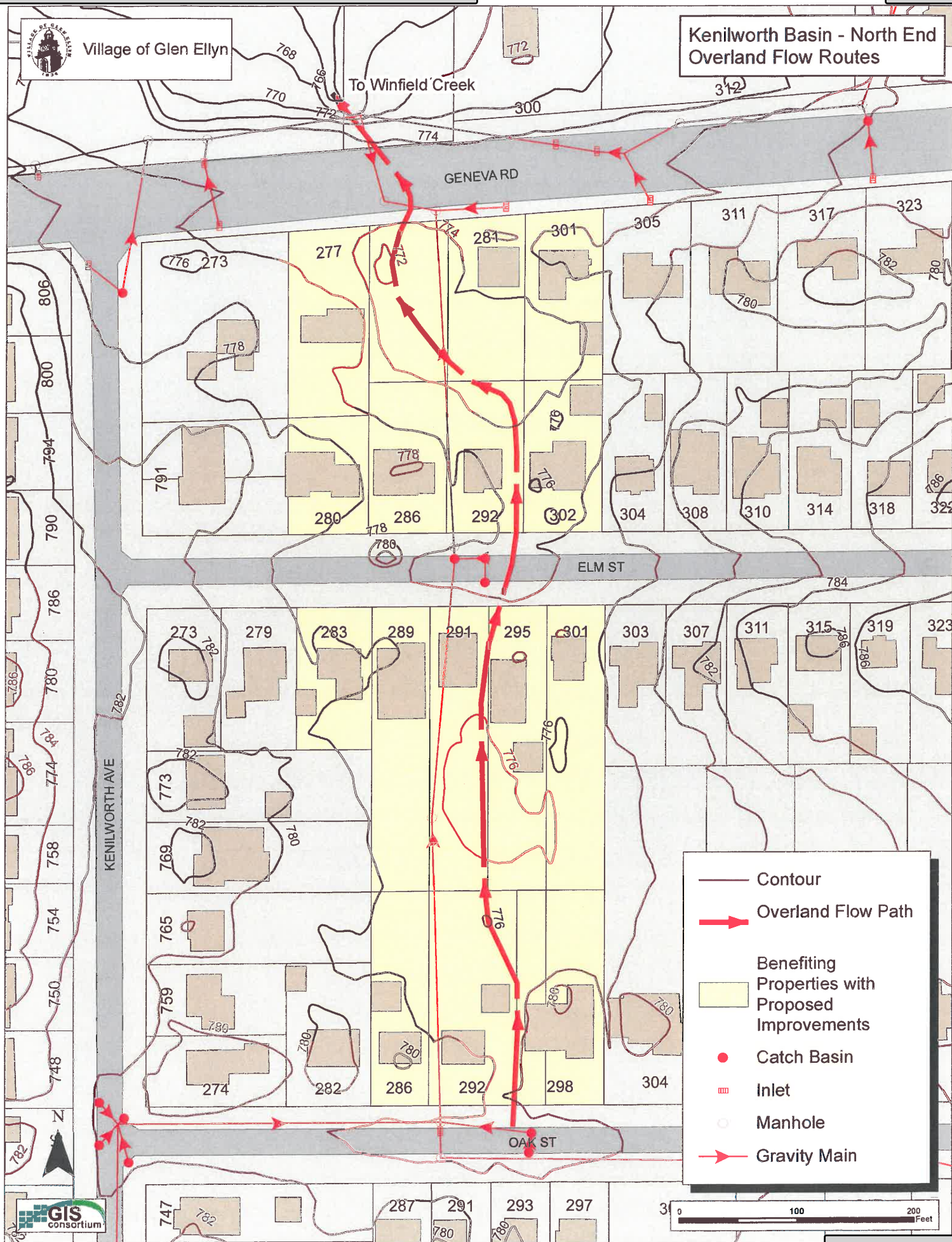
RECOMMENDATION

Staff Recommendation – Engineering staff recommend full implementation of the overland flow route improvements on the south side of Elm Street with the Elm-Oak-Geneva Improvements Project as long as all short- and long-term considerations are adequately addressed.

CIC Recommendation – The CIC is requested to consider staff and resident input and develop their recommendation for the appropriate level of Village involvement with private property drainage improvements associated with the EOG Improvements Project.

Village of Glen Ellyn – Geneva Road Culvert Outlet Rehabilitation
DuPage County Water Quality Improvements Program – Conceptual Design Report
Kenilworth Basin Storm Sewer Schematic





MINUTES (DRAFT)

BOARD OR COMMISSION: Capital Improvements DATE: January 12, 2016

MEETING: Regular X Special CALLED TO ORDER: 7:03 PM

QUORUM: Yes X No ADJOURNED: 8:57 PM

MEMBER ATTENDANCE:

PRESENT: Chairman Colliander, Commissioners Biggam, Burton, Kumar, Lane, Ryne and Zucchero

OTHERS: Trustee Liaison Pro Tem Tim Elliott, Public Works Director Julius Hansen, Professional Engineer Bob Minix, Senior Civil Engineer Rich Daubert

ABSENT: Commissioners Lindquist and Pryde

CALL TO ORDER:

The January 12, 2016 meeting of the Capital Improvements Commission, held at the Glen Ellyn Civic Center, was called to order at 7:03 PM by Chairman Colliander. A quorum was present.

AUDIENCE PARTICIPATION:

None

APPROVAL OF MINUTES:

Commissioner Burton moved, and Commissioner Biggam seconded, to approve the December 8, 2015 meeting minutes. The motion was approved unanimously.

TRUSTEE REPORT:

Trustee Elliott reported that the Board has given approval to proceed with the next phase of planning the new police station, without the shooting range, but with the rest of the features intact. The cost is \$13.4 million at this time, not including additional property acquisition. The design-build team has been instructed to work within the \$13.4 million figure that includes \$350,000 in various capital project funds. However, until the final contract is approved, the figure is not final.

NEW BUSINESS – PRESENTATION AND DISCUSSION OF ELEMENTS ASSOCIATED WITH THE ELM-OAK-GENEVA IMPROVEMENTS PROJECT - PROJECT REVIEW:

P. E. Minix presented an overview of the project. There will be particular emphasis on addressing drainage challenges on Elm between Kenilworth and Western, particularly in the western portion of the corridor. There is currently a storm sewer that runs through private

yards in that area. It has about a 5-year storm capacity, but overland flows are significant and the area tends to flood in the rear yards during intense storms due to excess stormwater that cannot be conveyed in the pipe. Some easements have already been granted north of Elm to enhance overland flow routing. There are plans to restore a culvert on the south side of Geneva Road, which apparently was closed off during previous road construction work, and to address some downstream erosion problems in Churchill Park. The goal is to improve the overall overland flow conveyance system. Because the drainage decisions affect the back yards of residences, the CIC will be asked to recommend the appropriate level of Village involvement. The Commission will deliberate formally on this issue at a future meeting to which the project residents will be invited, after staff presents the project in a separate resident meeting to be scheduled in the near future.

Senior C. E. Daubert reviewed the drainage situation in the area. The Kenilworth basin has an existing storm sewer system, flowing south to north. When that system reaches capacity, excess stormwater flows overland in the same direction. Over 100 acres potentially drains through the area. The overland conveyance system is obstructed by the elevation of homes on the south side of Elm Street east of Kenilworth and water ponds in the rear yards; some residences experience over two ft. of water in back yards and structure flooding. Elm Street also blocks overland flow. Residences impacted include 289, 291, 295 and 301 Elm.

Staff wants to lower Elm Street to move water across the street more readily and remove impediments to overland flow between the homes on the south side of Elm Street. Improvements in the conveyance of overland flow between Elm and Geneva have already been constructed at 292 Elm Street and planned for the empty lot at 279 Geneva Road; easements have been already been granted at those locations. Staff is also considering adding a storm sewer running along Kenilworth to Elm to augment existing pipe capacity between Oak and Elm; however, P. E. Minix stated that, although the storm sewer system can be enhanced, it will never have the capacity to solve the problem completely, and there will continue to be some overland flow in any circumstance. Resident input and cooperation will be very important. There was also discussion concerning the cost to the Village and/or the homeowner when work is done on private property.

Commissioners questioned whether house construction could be adversely affecting the situation. P.E. Minix and Senior C. E. Daubert said that there was a creek or ditch running through the area shown on 1949 plans. However, Elm Street has historically blocked this natural flow – there is a culvert under Elm depicted on the 1949 drawings – and it is unclear that there is a connection between recent construction and worsening conditions.

The work contemplated will require excavation in some side yards and accompanying replacement of retaining walls and a side door stoop, and significant impacts on trees and sidewalk replacement with the lowering of Elm Street.

In response to questions, Senior C. E. Daubert said that water should not overtop Geneva Road if the 30" culvert is extended back to the south side of Geneva, even with the additional flow.

The proposed storm sewer on Kenilworth can extend only to Elm, and not Geneva, because of lack of existing storm sewer capacity at Geneva. If a new storm sewer is constructed in Kenilworth and Elm, the purpose would be to fully utilize the existing pipe system capacity. It was emphasized that measures to improve overland flow are the surest way to reduce rear yard flooding on the south side of Elm Street.

There was additional discussion concerning the work and the possible impact on residences. Commissioners reviewed the area and homes most affected by the problem. These residents will probably need to be all in agreement to the improvements. Some residents have already done work to protect their property. Lowering the sidewalk and roadbed on Elm will impact several properties, requiring changes to driveways for better grade transitions.

P. E. Minix said that staff will be talking to residents and presenting the plan. The residents will want to know how much the Village will be doing for them. Approximately four residences on the South side of Elm could see reduced flooding. Residents seem willing to help their neighbors, even if they are not currently directly adversely affected by the overflow. The cost of the overland flow work is expected to be approximately \$30,000-\$50,000. The upcoming project provides the best opportunity to deal with all aspects of improving overland flow conveyance. It does need to be made clear that this work will not necessarily eliminate all rear-yard ponding, but should reduce levels by at least one foot.

Commissioners discussed the wider topic of Village-residents cooperation when public-private area situations can be improved, but only with work on private property, such as in this case when work will need to be done in side and back yards. Is it the responsibility and decision of individual homeowners to do work, or to allow work to be done, on their property? If it is a shared solution, is the cost shared as well? These residents sometimes are dealing with runoff of water they have not generated, and does the Village have responsibility for that?

P.E. Minix said staff will be sending notices to residents to meet with staff, and then meet with the Commission, probably at the February meeting. The Commissioners' preliminary consensus is to hear from residents, and in the interim, design the roads to handle eventual overland improvements on private property.

OTHER BUSINESS:

Staff presented the possibility of a program to cost share with private property owners to solve some of the same issues addressed in the previous discussion. Director Hansen used the example of residents' sump pumps discharging into the street creating serious icing issues in the winter. Although technically in violation of Village ordinances, perhaps the better way to address the problem is to work with the violator to connect to the storm sewer. Commissioners discussed the challenge of finding Village funds for such a program, and requires a definitive Village policy. Addressing such matters case-by-case is not really a solution.

PUBLIC WORKS REPORT:

Director Hansen reported that approval of LED lighting in downtown is moving forward. The fixture recommended by this Commission was deemed dark sky compliant and also received the recommendation of the Environmental Commission. The Historic Preservation Commission is being asked for a recommendation. Then it will be forwarded to the Board for review and approval. The goal is to install one-half of the fixtures in 2016 and the other half in 2017, thus spreading the cost over two fiscal years.

PROJECT REPORT:

The Commission recognized the staff, and Professional Engineer Bob Minix individually, for the awards received for the Crescent Boulevard project.

P. E. Minix reported that staff is working to get out to bid the Lake Ellyn Outlet Control Structure Replacement Project, which will update the capacity of the OCS as well as enhance operations to be able to lower the lake level in advance of major storms. Much of the funding will be provided by the County through a federal assistance grant.

The Village Board considered the Phase II engineering agreement for the Taylor Street underpass. An issue has come up regarding a possible connection to the Prairie Path, and discussions are underway with the County seeking their financial participation. The Board has also received a report on, and is proceeding with Phase I engineering for a pedestrian overpass combined with a new train station. An RFP is being developed for this project. The Village is also attempting to procure funding for an engineering study of a vehicle over/underpass in the Central Business District. Phase I engineering itself would cost nearly a million dollars, and take a number of years to complete.

ADJOURNMENT:

Commissioner Lane moved, and Commissioner Burton seconded adjourning the meeting. With unanimous consent, the meeting was adjourned at 8:57 PM.

Submitted by Karen Blake, Recording Secretary
Reviewed by R. Minix, Village of Glen Ellyn Public Works



January 19, 2016

To: Selected Residents on Elm Street, Oak Street and Geneva Road

From: Bob Minix, Professional Engineer *Bob Minix*

Subject: **Elm-Oak-Geneva Improvements Project
Working Meeting Regarding Drainage Issues Scheduled
for January 27, 2016 at the Glen Ellyn Civic Center**

Village President
Alexander W. Demos

Trustees
Dean Clark
Timothy Elliott
John Kenwood
Pete Ladesic
Mark Senak
Tim O'Shea

Village Manager
Mark Franz

Village Attorney
Gregory Mathews

Civic Center
535 Duane Street
Glen Ellyn, IL 60137

Administration
630-469-5000

Finance
630-547-5235

Planning and Development
630-547-5250

Police
630-469-1187

Public Works
30 South Lambert Road
Glen Ellyn, IL 60137
630-469-6756

The Village Links
485 Winchell Way
Glen Ellyn, IL 60137
630-469-8180

Dear Residents:

Village staff is continuing design efforts on the project to reconstruct Elm Street between Kenilworth and Western; resurface Oak Street between Kenilworth and Western; and to make improvements to the drainage culvert on both sides of Geneva Road near 279 Geneva. A particular focus has been on various drainage improvements in the attempt to improve the conveyance of stormwater through the project area.

As noted previously, the Engineering group has a multi-step strategy in mind to improve stormwater management in the northern portion of the Kenilworth Basin during rain events when overland flow occurs. These initiatives and efforts include easements for grading and drainage improvements, upgrades to the Geneva Road culvert, re-profiling of Elm Street, possible private property changes on the south side of Elm Street, and adjunct storm sewers.

We want to share our findings and thoughts with those residents who have a particular interest in drainage improvements and to focus on this core group at this time. Hence we have scheduled a meeting with you on Wednesday evening, January 27, 2016. The meeting will take place in Room 301 of the Glen Ellyn Civic Center, 535 Duane Street, starting at 7:00 PM. It is anticipated that an outcome of the January 27 meeting will be the framing of a proposal dealing with the appropriate extent of private property improvements to be undertaken in the project, for consideration by the Glen Ellyn Capital Improvements Commission at their February 9, 2016 meeting. The CIC recommendation will then be sent to the Village Board for discussion and ultimate decision, likely in mid-March.

A more general project information meeting will be conducted in the future for the entire project corridor, once all project elements are finalized and the design plans completed.

Please plan on attending and taking part in the discussions next Wednesday night. In the meantime, if you have any questions, please contact me at 630-547-5514 or bobm@glenellyn.org.

cc: Julius Hansen, Public Works Director
Rich Daubert, Senior Civil Engineer
Ray Ulreich, Stormwater Engineer



February 1, 2016

To: Selected Residents on Elm Street, Oak Street and Geneva Road

From: Bob Minix, Professional Engineer

Subject: **Elm-Oak-Geneva Improvements Project
Meeting with the Glen Ellyn Capital Improvements
Commission Regarding Elm Street Drainage Issues
Scheduled for February 9, 2016 at the Glen Ellyn Civic
Center**

Village President
Alexander W. Demos

Trustees
Dean Clark
Timothy Elliott
John Kenwood
Pete Ladesic
Mark Senak
Tim O'Shea

Village Manager
Mark Franz

Village Attorney
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Glen Ellyn, IL 60137
630-469-6756

The Village Links
485 Winchell Way
Glen Ellyn, IL 60137
630-469-8180

Dear Residents:

Thank you to those residents who participated in last week's meeting and engaged in the discussions regarding drainage improvements associated with the upcoming project to reconstruct Elm Street between Kenilworth and Western. Senior Civil Engineer Rich Daubert and I are continuing to review options for improved drainage in the area and developing cost estimates.

The January 27 meeting focused primarily on drainage matters impacting residents on the south side of Elm Street. The next step in the process will be to continue that particular dialogue on reducing rear yard flooding along Elm Street with the Capital Improvements Commission. The CIC will meet on **Tuesday evening, February 9, 2016** with Elm Street drainage matters as the principal agenda item. The meeting will begin at 7:00 PM in Room 301 of the Glen Ellyn Civic Center, 535 Duane Street.

I anticipate the meeting will consist of a short staff overview of the project and a recap of the January 27 resident meeting, significant time for public input, CIC questions and deliberation, and finally a recommendation on the appropriate extent of private property improvements to be undertaken in the project. Please feel free to bring pictures and short video segments; we'll have the ability to project electronic media on the screens in the room.

Once formulated, the CIC recommendation will be sent to the Village Board for discussion and an ultimate decision, likely in mid-March.

Please plan on attending and taking part in the continuing discussions next Tuesday night. In the meantime, if you have any questions, please contact me at 630-547-5514 or bobm@glenellyn.org.

cc: Julius Hansen, Public Works Director
Rich Daubert, Senior Civil Engineer
Ray Ulreich, Stormwater Engineer
Glen Ellyn Capital Improvements Commission

RESOLUTION NO. 01-12

RESOLUTION TO ESTABLISH VARIOUS DESIGN CRITERIA AND POLICIES
ASSOCIATED WITH THE RECONSTRUCTION OF ROADWAYS
IN THE VILLAGE OF GLEN ELLYN

WHEREAS, the Village of Glen Ellyn ("the Village") is now embarking on a Long Term Street and Storm Sewer Improvements Program ("the Program") funded by a combination of General Obligation Bonds (approved by a referendum passed in the November 2000 general election), Utility Tax funds and Real Estate Transfer Tax proceeds; and

WHEREAS, the Program includes 17 major storm sewer improvement projects, and associated street rehabilitation, at locations throughout the Village; and

WHEREAS, the Program provides for the reconstruction of over 10 miles of roadways, of which over 7 miles are currently without curbs and over 3 miles are curbed; and

WHEREAS, numerous design choices and alternative approaches are available for consideration when a roadway is entirely rebuilt; and

WHEREAS, design criteria and policy issues should be developed, discussed and established early in the program for use in future street reconstructions; and

WHEREAS, it is beneficial to establish uniform roadway design parameters and policies so that staff, consulting engineers and Village residents have a documented basis from which to proceed with the implementation of street reconstruction projects and to address inquiries; and

WHEREAS, Village staff developed a list of 12 pertinent issues and policies, provided background information and current practices on those issues, proposed options for future implementation, and provided input and comment on alternatives; and

WHEREAS, the Capital Improvements Commission, at its March 13, 2001, meeting, reviewed the staff information on the issues and policies and provided recommendations; and

WHEREAS, the Village Board discussed roadway project issues and alternatives at its March 19, 2001, workshop meeting and finalized the design parameters and policies presented hereinafter; and

WHEREAS, a detailed compilation and narrative of the issues, alternatives, discussions, recommendations and decisions concerning the roadway construction design criteria and policies is included herewith as Attachment A;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF GLEN ELLYN, DUPAGE COUNTY, ILLINOIS, IN THE EXERCISE OF ITS HOME RULE POWERS, as follows:

SECTION ONE: The issues identified and discussed regarding street rehabilitation designs and policies included (in the general order of importance):

Street Width

Curb and Gutter Construction

New Sidewalk Installation

Driveway Approach Removal and Replacement

Private Property Drainage Considerations

Pavement Material

Contractor Bonus / Penalty Provisions

Street Lighting

Parkway Tree Planting Program

Multi-use Paths

Traffic Calming Devices

Service Walks / Carriage Walks

SECTION TWO: Street Width (see Attachment A-1)

The following design criteria will apply:

- For existing local streets with curbs, the reconstructed street width (from back-of-curb to back-of-curb) should not be changed.
- For existing collector and arterial streets when reconstructed, the street width should be 25 feet from back-of-curb to back-of-curb.
- For existing local streets currently without curbs, the reconstructed street width should be 21 feet from back-of-curb to back-of-curb.

SECTION THREE: Curb and Gutter Construction (See Attachment A-2)

A barrier-type curb and gutter should be installed on all streets in order to better define the pavement edge, especially during snow plowing operations; provide better parkway protection when vehicles park on the street; provide lateral support to the pavement; and more effectively control and collect street drainage.

SECTION FOUR: New Sidewalk Installation (See Attachment A-3)

Sidewalks should be constructed on both sides of the street for the general use of all pedestrians.

SECTION FIVE: Driveway Approach Replacement (See Attachment A-4)

The replacement of aprons (that portion of a driveway in the public right-of-way generally located between the sidewalk and the curb) should be provided for all driveways along a street undergoing complete reconstruction or enhanced resurfacing when all existing curb and gutter is being replaced.

SECTION SIX: Private Property Drainage Considerations (See Attachment A-5)

During construction projects, reasonable and appropriate provisions in the public right-of-way should be made to provide property owners with connection points for private drain pipes. Storm sewer improvements on private property remain the responsibility of the residents (as the benefits of the improvement accrue primarily to them), except in cases where stormwater may originate from the public right-of-way.

SECTION SEVEN: Pavement Material (See Attachment A-6)

During the design phase, the consulting engineer should perform analyses to ascertain whether concrete or asphalt should be used in the reconstruction of the roadway. It is anticipated that concrete will be used on most arterial and collector street reconstructions and asphalt on local streets.

SECTION EIGHT: Contractor Bonus / Penalty Provisions (See Attachment A-7)

Bonus provisions (applicable to the substantial completion date), based on a per day rate with a maximum limit, should be incorporated into construction contracts to provide incentive for timely completion of the projects. As a general rule of thumb, 2% of the contract cost should be provided as the maximum available bonus amount, but no less than \$10,000 and probably no more than \$50,000. A corresponding penalty provision – with no maximum limit – will apply for unwarranted delays beyond the prescribed substantial completion date. Liquidated damages will be due for delays beyond the final completion date.

SECTION NINE: Street Lighting (See Attachment A-8)

In accordance with project needs, street lights should be replaced or re-wired on a one-for-one replacement basis. There should be no general change in the current lighting configuration, which generally consists of a single overhead light at intersections with a mid-block light for long blocks.

SECTION TEN: Parkway Tree Planting Program (See Attachment A-9)

Planting efforts during the five year tree program should be coordinated with the street rehabilitation program to the maximum practicable extent . Where street corridors are scheduled for reconstruction in the next five years, tree planting should occur only after roadway work is complete. For corridors scheduled for reconstruction in the next 6 to 10 years, planting should be postponed until those roadway projects are complete.

SECTION ELEVEN: Multi-use Paths (See Attachment A-10)

Multi-use / bike paths generally should not be a design consideration during the roadway reconstruction process at this time. Generally, there is little available right-of-way for the extra-width required (generally at least 10 feet) for multi-use paths. This issue should be deferred until the Village has a well-defined bikeway plan and most potential corridors have been identified.

SECTION TWELVE: Traffic Calming Devices (See Attachment A-11)

A relatively narrow roadway width is a suitable method of reducing vehicle speeds on streets. Physical impediments, such as speed humps and traffic circles, should not be incorporated into the design of roadways as a normal practice. These elements may be appropriate in certain (rare) circumstances and can be retrofitted, if required.

SECTION THIRTEEN: Service Walks / Carriage Walks (See Attachment A-12)

Private sidewalks in the street right-of-way area should be replaced if parking is allowed on the street; in no-parking areas, the walkways should be removed and not replaced, except in special cases such as churches.

SECTION FOURTEEN: The issue of undergrounding overhead utility wires when a street is reconstructed requires additional study to more fully determine costs, scheduling implications,

project priorities and management. Village Boards and staff will continue to discuss the development of a utility undergrounding policy for Glen Ellyn.

SECTION FIFTEEN: The various design criteria and policies described in this Resolution may be modified or adjusted to meet the special circumstances of a particular project, subject to the review and approval of the Village Board.

SECTION SIXTEEN: This Resolution shall be in full force and effect from and after its passage and approval.

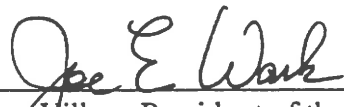
PASSED by the President and Board of Trustees of the Village of Glen Ellyn, Illinois, this 9TH day of APRIL, 2001.

AYES: STRAYER, BLACKLEDGE, KOHNKE, MELADY, O'BRIEN, PERLSTEIN

NAYS: -0-

ABSENT: -0-

APPROVED by the Village President of the Village of Glen Ellyn, Illinois, this 9TH day of APRIL, 2001.


Village President of the
Village of Glen Ellyn, Illinois

ATTEST:


Village Clerk of the
Village of Glen Ellyn, Illinois

Attachment A

POLICY ISSUES FOR STREET REHABILITATION PROJECTS

Approved as part of Resolution No. _____ dated _____

The following 12 items are issues associated with the rehabilitation of roadways. The format for the presentation and discussion of each item consists of an issue statement; a background/current practice section; an options section; a Public Works opinion section; a Capital Improvements Commission discussion and recommendation section; and Village Board discussion and final determination section.

The items identified and discussed regarding street rehabilitation policies include (in the general order of importance):

1. Street Width (Attachment A-1, p. 2)
2. Curb and Gutter Construction (Attachment A-2, p. 5)
3. New Sidewalk Installation (Attachment A-3, p. 6)
4. Driveway Approach Removal and Replacement (Attachment A-4, p. 8)
5. Private Property Drainage Considerations (Attachment A-5, p. 10)
6. Pavement Material – Asphalt or Concrete (Attachment A-6, p. 12)
7. Bonus / Penalty Provisions (Attachment A-7, p. 13)
8. Street Lighting (Attachment A-8, p. 15)
9. Parkway Tree Planting Program (Attachment A-9, p. 17)
10. Multi-use Paths (Attachment A-10, p. 18)
11. Traffic Calming Devices (Attachment A-11, p. 19)
12. Service Walks / Carriage Walks (Attachment A-12, p. 20)

These items were discussed with the Capital Improvements Commission at their regular March meeting conducted March 13, 2001 and with the Village Board at their workshop meeting held March 19, 2001.

Village of Glen Ellyn
POLICY ISSUES FOR STREET REHABILITATION PROJECTS

Approved as part of Resolution No. _____ dated _____

Attachment A-5

PRIVATE PROPERTY DRAINAGE CONSIDERATIONS

Issue: What should be the extent of Village involvement when private property drainage problems are identified during the design of improvements?

Background / Current Practice:

Our stormwater master plans have identified areas where storm sewer improvements are required to address major drainage needs and to effectively drain the public rights-of-way. At many locations throughout the Village, low spots in private property areas or chronically active sump pumps may lead to long-lasting ponding / soggy areas. These spots are often unsightly, generally unusable and may harbor mosquitoes. Many times these needs are obvious or have been previously discussed with the Public Works Department; in other cases, the residents in an improvement area alert staff to problems during public meetings or interaction during the project. The Village has not provided monetary assistance to alleviate private property drainage shortcomings, although provisions are made, where appropriate, to provide convenient points of connection in the public right of way for private drain lines.

Options:

Make no special provisions for private property drain line connections; make reasonable and appropriate provisions in the public right of way to provide residents with connection points for privately financed improvements; provide right-of-way improvements and pay for a portion or all of private property drainage connections.

Public Works Staff Opinion:

During the construction of an improvement is always the best time to try to make any additional provisions in the right of way to assist in private property drainage. The needed modifications to the Village system are generally minor in scope and easy to perform. In general, work on private property should be left up to the residents (as the benefits of the improvement accrue primarily to them), except in cases where runoff may originate or be contributed from the public right of way.

Capital Improvements Commission Discussion and Recommendation:

The CIC recommended the continuation of the current practice.

Village Board Discussion and Final Determination:

The Kenilworth Avenue project was mentioned as a prototype example of how staff would try to assist in solving private property drainage problems. On the west side of Kenilworth between Hill and Lorraine, all of the private property areas formed by the triangle of Hill, Lorraine and

Village of Glen Ellyn
POLICY ISSUES FOR STREET REHABILITATION PROJECTS

Approved as part of Resolution No. _____ dated _____

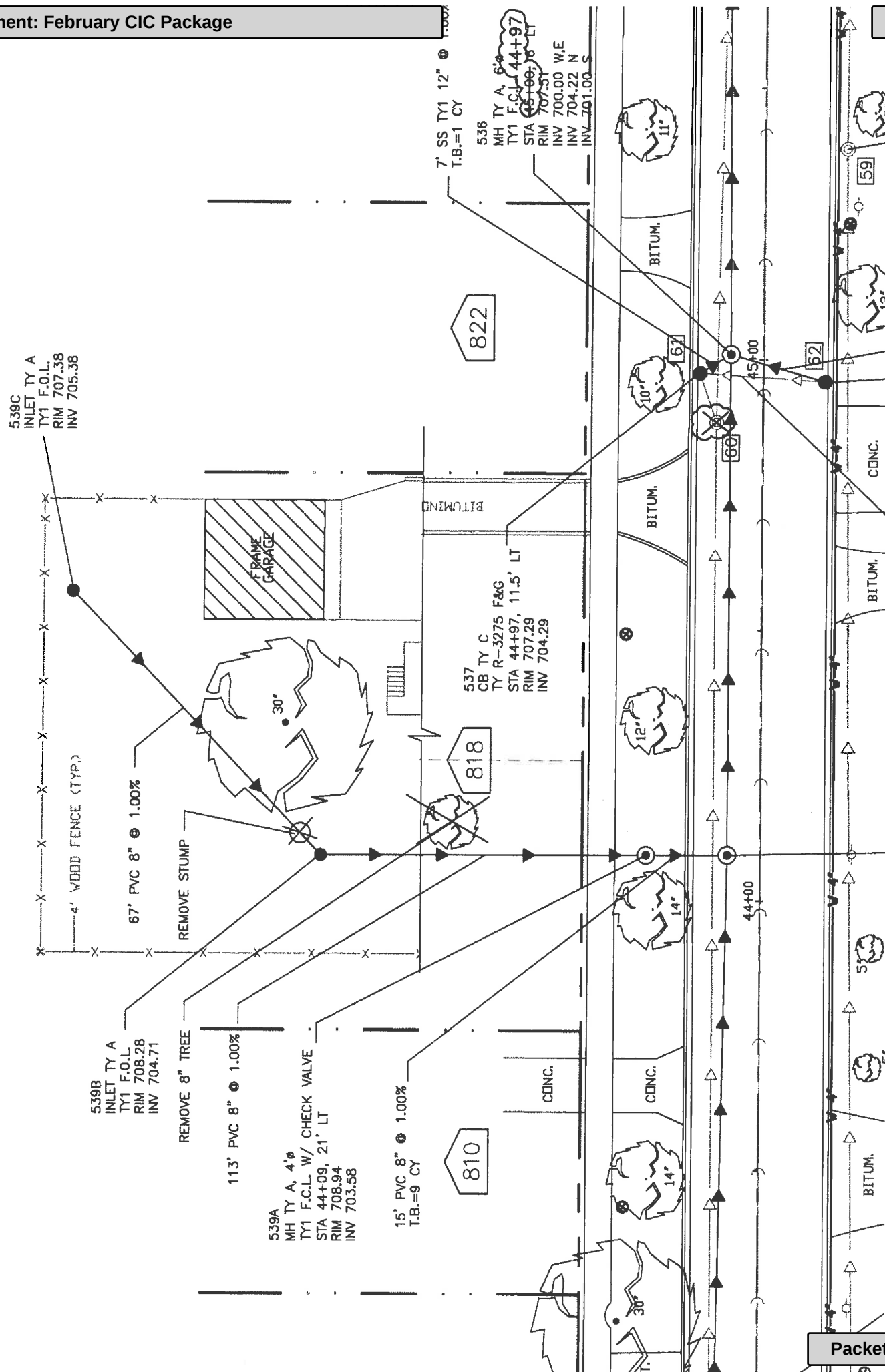
Kenilworth drains toward a low spot and a significant amount of water accumulates there. The property owners at the low spot have used a variety of pumping arrangements over the years to move the water from the backyard to the front (typically with hoses). Staff proposes to locate a connecting manhole on the new main storm sewer and extend a drain pipe to the west right-of-way line at a location where the residents could conveniently hook up. It would be up to the private property owner(s) to connect to the stub and to make any improvements in the rear yard areas to properly drain the low spot. The Kenilworth project engineer has been in contact with the property owner to verify the efficacy of a gravity drain.

The Village Board did not take exception to this proposed approach. No support was expressed for further assistance beyond the public right-of-way areas to solve private property drainage problems.

The scope of improvements may include minor extensions of existing pipes along a street to assist in relieving local drainage problems that may be just beyond the limits of the current storm sewer system.

In summary, the Village Board determined that reasonable and appropriate provisions in the public right of way should be made to provide property owners with connection points for private drain pipes. Storm sewer improvements on private property should remain the responsibility of the residents.

(end)



MEMORANDUM

TO: Mark Franz, Village Manager

FROM: Bob Minix, Professional Engineer

DATE: August 19, 2014; Updated October 7, 2014

SUBJECT: Kenilworth Basin Drainage Improvements
292 Elm Street Drainage Easement
Payment and Acceptance of Easement



At the August 25, 2014 Village Board Meeting, the agenda item approving a permanent stormwater drainage easement at 292 Elm Street and payment for various improvements to facilitate overland flow conveyance through the property was presented, discussed and tabled for future consideration. At the meeting, Village trustees expressed varying levels of support and concern for the staff-lead, multi-step initiative to address chronic flooding in the area just east of Kenilworth between Oak and Geneva Road and request staff follow-up on the status of the various project elements. Additional information on the situation will be presented in this updated memorandum; the original memorandum is included herewith following the update.

Stormwater Engineer Ray Ulreich has been the primary architect of the proposed overland flow improvement and staff contact person with the impacted residents and third parties. The following updates reflect Ray's recent efforts and inputs on the project as well as other staff interactions:

- **Geneva Road Culvert** – The DuPage County Division of Transportation responded favorably to the initial Village request to re-establish a culvert opening on the south side of Geneva Road at what would be 279 Geneva Road. The proposed improvement was deemed acceptable with the stipulation that all potential stormwater issues be addressed. Ray Ulreich is comfortable with establishing the necessary documentation and justification for the culvert extension. Preliminary analyses indicate that a reduction in peak flow rates is achieved with the installation. County financial assistance will be sought for the work.
- **279 Geneva Road Grading and Easements** – Ray obtained a copy of the existing storm sewer easement over the lot. The 14-foot wide easement was granted to permit the installation of the 24-inch Kenilworth Basin storm sewer through the property that outlets on the north side of Geneva Road. He is working with a potential developer of the lot to establish how a new residence, existing storm sewer, new culvert inlet and overland flow route can be situated on the property. Initial layouts look promising and this dialogue is continuing. Additional easements will be developed as the plans are finalized.
- **281 Geneva Road Grading and Easements** – A drainage easement for overland flow conveyance through the property located immediately north of 292 Elm Street has been developed and executed by the property owner; however a technicality was recently discovered that requires the easement to be slightly modified, then re-signed by the owner. When the revised

document is received, it will be brought forward for Village acceptance. There are no Village contributions associated with this easement.

- **292 Elm Street Easement and Overland Flow Accommodations** – The owner of the property (Sylvia Rueling) and builder (Tony Kramer of Berkshire Homes) have been invited to the October 13, 2014 Village Board meeting to provide any additional or required input into the proposed easement and reimbursement.
- **South Side of Elm Street Properties (289, 291, 295, 301 Elm) Drainage Improvements** – Ray Ulreich developed a plan and profile view of properties on the south and north side of Elm Street between 286 and 302 Elm Street (copy attached). The profile view is revealing: existing impediments to overland flow are clearly seen; proposed improvements on the south and north sides of Elm Street (as well as the future Village roadway reconstruction project) should realize at least a foot reduction in flood water elevations. Ray emphasized the point that the primary beneficiaries of the improvements at 292 Elm Street are the residents on the south side of Elm, not necessarily the 292 Elm property itself.

A letter dated September 18, 2014 (copy enclosed) was distributed to 12 residents in the area along Geneva Road and Elm Street advising them of the current discussions and possible improvements for handling excess flows in that portion of the Kenilworth Basin. The letter invites these residents to attend the October 13, 2014 Board meeting, again to provide insight and commentary on the existing flooding situation in their neighborhood. It should be noted that a request for storm sewer atlas information was made and fulfilled last week by the resident at 289 Elm Street.

ORIGINAL MEMORANDUM (August 19, 2014)

The Kenilworth Drainage basin lies in the northwest portion of the Village, draining about 100 acres of land along sections of the Kenilworth, Linden, Marion, Maple, Oak, Elm and Geneva roadways. The area is served with a storm sewer system that outlets on the north side of Geneva Road into Churchill Park and eventually reaches the headwaters of Winfield Creek, ultimately flowing to the West Branch of the DuPage River. The Kenilworth Basin storm sewer system meets most of the area drainage needs but sewer capacity is exceeded during significant storm events. When the storm sewer is full, overland runoff mode for stormwater conveyance begins to operate; however a series of man-made improvements and obstacles impedes overland flow, causing ponding and flooded properties. The impediments to overland flow include Geneva Road, Elm Street and various landscaping elements and site-specific grading issues in the Geneva/Elm/Oak area.

Village staff has a multi-step strategy in mind to improve stormwater management in the northern portion of the Kenilworth Basin. The purpose of this memorandum is to convey for Village Board one of what will be a series of beneficial elements. This first step is approval of an easement agreement brokered with the owner at 292 Elm Street, located in the Kenilworth Basin overland flow path, to take advantage of planned property improvements. In conjunction with the construction of a proposed garage, Stormwater Engineer Ray Ulreich identified a preferred overland flow path requiring modified grading and revised placement of the accessory structure. The owner was cooperative but requested compensation for revising the plan to improve overland flows. Staff recommends compensation in the amount of \$19,500 and acceptance of the stormwater drainage easement.

KENILWORTH BASIN OVERLAND FLOW IMPROVEMENTS

A series of improvements are contemplated to address existing deficiencies in the north part of the Kenilworth Basin. Please note the attached Area Map.

- ❑ **Geneva Road Culvert** – Historic stormwater atlas maps show a culvert underneath Geneva Road at what would be 279 Geneva. This culvert was removed some time ago without consideration of impacts on the areas south of the roadway. Staff has prepared a drainage study and conceptual design for a facility to allow surface waters to flow under Geneva Road. Estimated cost for the improvement is \$35,000. The culvert crossing proposal has been forwarded to the DuPage County Division of Transportation for review and comment. We are awaiting a response from DuPage DOT.
- ❑ **279 and 281 Geneva Road Grading and Easements** – The vacant property at 279 Geneva acts as a holding basin for runoff water and overland flow from surrounding areas as well as the larger Kenilworth Basin. The Basin storm sewer pipe runs through this property in an existing easement. With the construction of the Geneva Road Culvert, this property and the adjacent 281 Geneva property could be re-graded to direct and control stormwater runoff in a manner that may allow eventual development at 279 Geneva. The 281 Geneva owner is known to staff and has an established interest in the 279 property. New or revised easements would be developed depending on the final configuration of drainage elements.
- ❑ **292 Elm Street Easement and Overland Flow Accommodations** – This is the subject of this memorandum and will be discussed in further detail below.
- ❑ **South Side of Elm Street Properties (291, 295, 201 Elm) Easements and Drainage Improvements** – Ray Ulreich is currently working with multiple property owners on the south side of Elm Street that experience flooding conditions. Stormwater in the rear yards is trapped due to adverse grades and landscaping. Ray has developed a plan (see the attached Drainage Improvement Plan) for an upgraded overland flow route. Likely Village involvement would be construction of a short length of storm sewer south of the public walk.
- ❑ **Elm Street Improvements Project** – A 2016 major infrastructure improvements project is planned for the Elm Street corridor between Kenilworth and Western, including reconstruction of the roadway and extended storm sewers east of 291 Elm Street. It is anticipated that the roadway near 292 / 295 Elm Street will be lowered by approximately one foot to enhance overland flow across the street and match up with proposed revised grading at the 292 and 295 Elm Street properties as already described.

292 ELM STREET EASEMENT

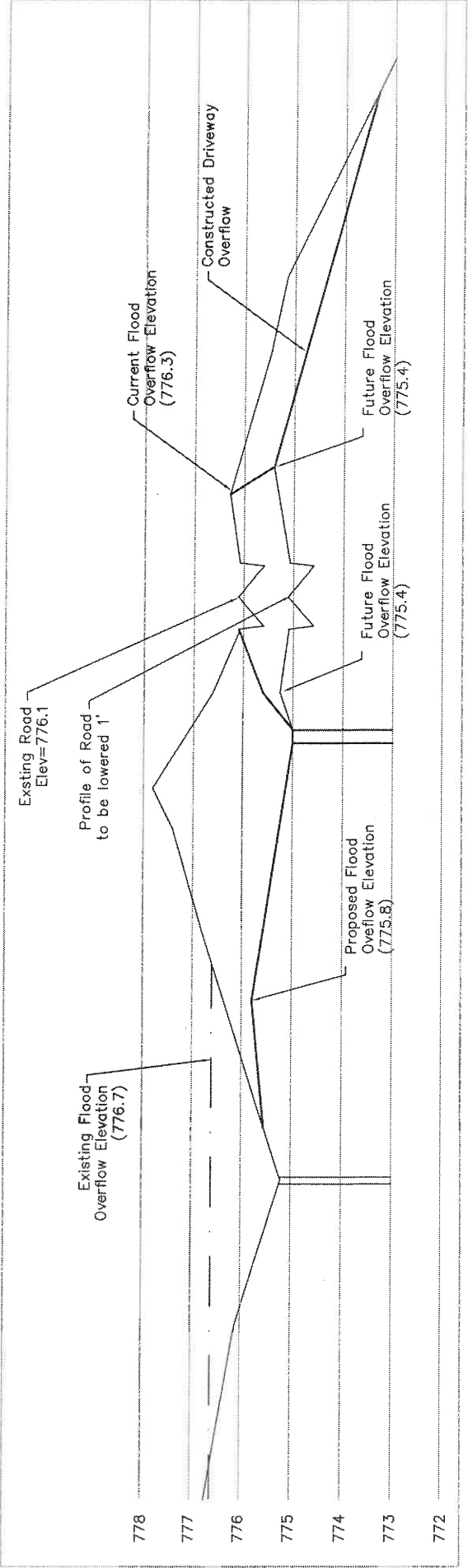
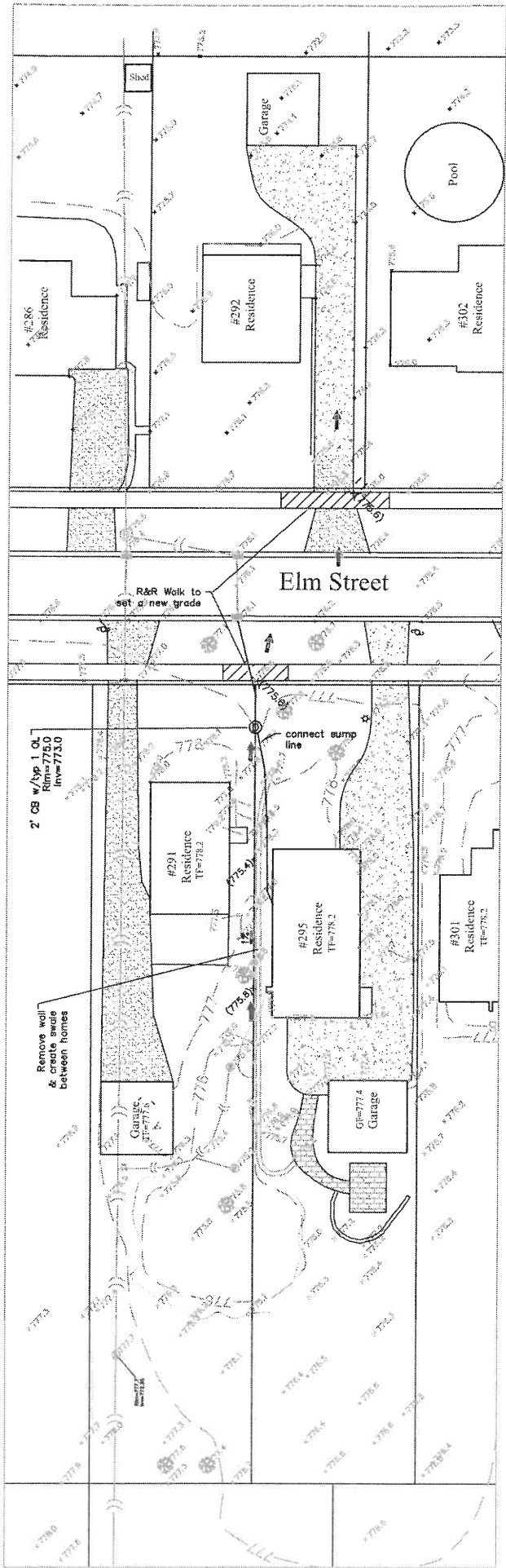
Working in conjunction with the engineer and contractor for the proposed 292 Elm Street garage project, a preferred flow path and configuration was established, as depicted on the attached site plan. The driveway profile would be lowered and graded to provide the overland route, with the easement portion being the east 12 ft. of the lot over the entire length of the property. Stormwater flow would be south to north through the property and would exit onto the 281 Geneva lot. The form of the Grant of Easement was developed by Ray Ulreich and executed by the 292 Elm property owner, Sylvia Rueling.

EASEMENT COSTS

Based on early interactions with the contractor for the proposed garage project, the estimated cost to modify the original plan to accommodate the desired overland flow improvements was \$33,130 (see attached estimate from Berkshire Homes dated November 5, 2013). Some of the needed changes could be deferred until the overall 2016 Elm Street Improvements Project and then constructed as part of that effort. Ensuing negotiations resulted in an agreed-upon reimbursement of \$19,500. Funds should be appropriated from the SY14 Capital Projects Fund (**Account No. 40000 – 580100**) in the amount of **\$19,500** for purchase of the needed easement. The payee will be Sylvia Rueling, Grantor.

ORDINANCE

An ordinance has been prepared for action by the Village Board to accept the easement from the 292 Elm Street property owner and to compensate the owner for additional expenses as noted above.



DATE: November 5, 2013



100 E. Randolph, Unit 3517 Chicago, IL 60601

Tony Kramer (708)217-9828

292 Elm St
Glen Ellyn, IL

Front tree removal – due to new drive depth	\$2,600
- root cutting and size and condition of tree	
Additional tree fencing and silt fencing	\$ 350
Excavation	
- removal of concrete walk	
- blacktop drive	\$2,200
- public approach	
- remove dirt from site for new drive depth	\$3,800
Concrete	
- new front steps and walk	\$2,650
- new driveway cost difference	\$5,700
- new public walk and approach	\$3,350
- additional concrete wall for garage	\$3,300
Hand railing for steps	\$2,600
Landscaping	
- restore front yard	
- retaining wall	\$8,380
- restore rear yard and up to retaining wall	
Drywell	
-six flo wells and backfill with stone	(\$1,800)

TOTAL \$33,130

NOTE: These are all additional or new costs from original garage plan.

MEMORANDUM

TO: Julius Hansen, Public Works Director

FROM: Bob Minix, Professional Engineer

DATE: June 16, 2015

SUBJECT: Kenilworth Basin Drainage Improvements
Storm Sewer Construction Agreement and Drainage Easements for
279 and 281 Geneva Road



In October 2014 the Village Board accepted a stormwater drainage easement at 292 Elm Street as the first of a series of formal actions to improve the conveyance of overland flow through the north portion of the Kenilworth drainage basin. The area of interest in the Kenilworth basin is shown in the attached GIS-generated graphic. The existing storm sewer in the area has reasonable, but limited, capacity. When the storm sewer is full, overland runoff begins to occur; however a series of obstacles impedes overland flow, causing ponding and flooded properties. The impediments to overland flow include Geneva Road, Elm Street and various landscaping elements and site-specific grading issues in the Geneva/Elm/Oak area. Please see the attached memorandum from last year for a more complete description of the issues and proposed solutions.

The purpose of this memorandum is to bring forth for Village Board consideration a storm sewer agreement and easements for the 279 and 281 Geneva Road properties. At 279 Geneva, significant storm sewer improvements will provide an essential outlet for overland flow underneath Geneva Road; these are depicted on the attached engineering drawing entitled "Geneva Road Culvert". The proposed easement at 281 Geneva is for grading and conveyance of the flow through that property, again as shown on the drawing.

Stormwater Engineer Ray Ulreich has worked closely with both Geneva Road property owners to develop concept plans and negotiate the easements. The 281 Geneva property is currently developed; the 279 Geneva property is undeveloped. A lot development plan was created by Ray to feasibly construct a home at 279 Geneva together with the needed drainage improvements. Please note the retaining wall feature running north-south on the east side of the future residence.

AGREEMENT / EASEMENT DESCRIPTIONS / ORDINANCES

For 279 Geneva, a storm sewer construction agreement was developed to cover the grant of easement as well as to more fully describe the various terms and stipulations associated with the significant amount of storm sewer construction required on the property. The proposed easement area is the north 35 feet of the property. The agreement has been signed by the property owners, Dennis and Luzdelia Spears, currently residents of Wood Dale. A form of ordinance was written to formally accept and memorialize the agreement and easement, with the Agreement attached as Exhibit A.

For 281 Geneva, an easement was developed to convey stormwater from the 292 Elm Street property to the south over to the adjacent 279 Geneva Road lot. Mr. John Torres is the owner of the property, with Parkway Bank and Trust as Trustee for Trust No. 140212. The easement covers the south 20 feet of the 281 Geneva Road property. Again, a form of ordinance was written to accept the grading and drainage easement on that property, with the easement as Exhibit A.

AGREEMENT / EASEMENT COSTS

As essential component of the proposed improvements to be constructed on 279 Geneva are retaining walls that would protect a future home on the site. The retaining walls would more logically be constructed in conjunction with the new structure. Based on negotiations, it was agreed that a payment by the Village to the property owner of \$4,550 upon approval of the agreement and easement would satisfy any Village retaining wall obligations. Funds should be appropriated from the CY-15 Capital Projects Fund (**Account No. 40000 – 580100**) in the amount of **\$4,550** for purchase of the needed easement. The payees will Dennis and Luzdelia Spears, 401 Crestwood Road, Wood Dale, IL 60191.

The grant of easement for grading and drainage at 281 Geneva Road will be of no cost to the Village.

PUBLIC NOTIFICATION

A letter dated June 11, 2014 (copy enclosed) was distributed to 21 residents in the area along Geneva Road, Elm Street and Oak Street advising them of the current status of the overall project. The letter invites these residents to attend the June 22, 2015 Board meeting, again to provide insight and commentary on the existing flooding situation in their neighborhood.

Planning & Development Department 598 Davis Street Giles Bldg., R. 60117 608-547-5250	Prepared For: Public Works Dept. One Blyss, N.	Property Address: 277 Queens Road One Blyss, N.	Plan Date 6-31-15	Scale 1"=10'
			Revisions	Date

MINUTES (DRAFT)

BOARD OR COMMISSION: Capital Improvements DATE: February 9, 2016

MEETING: Regular X Special _____ CALLED TO ORDER: 7:06 PM

QUORUM: Yes X No _____ ADJOURNED: 9:12 PM

MEMBER ATTENDANCE:

PRESENT: Chairman Colliander, Commissioners Burton, Lane, Lindquist, Pryde and Zucchero

OTHERS: Trustee Liaison pro tem Tim Elliott, Public Works Director Julius Hansen, Professional Engineer Bob Minix, Senior Civil Engineer Rich Daubert

ABSENT: Commissioners Biggam, Kumar and Ryne

CALL TO ORDER:

The February 9, 2016 meeting of the Capital Improvements Commission, held at the Glen Ellyn Civic Center, was called to order at 7:06 PM by Chairman Colliander. A quorum was present.

AUDIENCE PARTICIPATION (non-agenda items):

None

APPROVAL OF MINUTES:

Commissioner Lindquist moved, and Commissioner Lane seconded, to approve the January 12, 2016 meeting minutes. The motion was approved unanimously.

CONSIDERATION OF PRIVATE PROPERTY DRAINAGE ISSUES ASSOCIATED WITH THE ELM-OAK-GENEVA IMPROVEMENT PROJECT:

P. E. Minix presented a status report on project. The Commission received a staff presentation at its last meeting to review the scope of the project. There also has been a resident working session as there are approximately 20 residents affected. There has been much discussion concerning what the Village is trying to accomplish. The Commission will ultimately consider a recommendation primarily on the appropriate extent of private property work to be done by Village contractors.

Senior C. E. Daubert reviewed the changes to the plan resulting from Commissioners' and residents' concerns. The emphasis is on the south side of Elm. Water needs to make its way overland to Elm Street, which is proposed to be lowered over a foot. There is a plan to create positive drainage between the homes located at 291 and 295 Elm by building retaining walls with a channel in the middle sloping toward Elm, and removing and reinstalling HVAC pads, side

entrance stoops and blocking a window well and basement window. A possible alternate overland flow route down a new driveway at 291 Elm was investigated; however, this would require lowering Elm even more, which impacts available storm sewer cover. The cost estimate of the side yard work is approximately \$59,000, while redirecting the overflow down the driveway as described above would be just over \$100,000. The side yard work would not include any work in back yards aside from removing a retaining wall.

In response to Commissioners' questions, Senior C.E. Daubert said that there is no plan for a catch basin in the side yard. If the slope of the 291 Elm driveway could be adequately addressed, that might be a better solution, but the excavations are very costly. Commissioners noted that using a driveway for an overland water route in the winter could result in significant icing. The overland flow would eventually reach the 30" culvert at Geneva Road and into Churchill Park. Commissioner Pryde wondered about the feasibility of installing a French drain to move the water away from 4 homes and have it resurface further north. Staff noted that currently the homes at both 291 and 295 Elm get water through their basement windows.

Commissioners viewed photos brought by Craig Nessler of 291 Elm Street showing the amount of water on and near his property after a normal rain event. He noted that the drains in his rear yard do not work when the storm sewer is filled as they are equipped with check valves. He also showed water on Oak Street backing up into driveways.

Anthony Martini of 293 Oak Street showed photos of Oak Street with 2 feet of ponding water after the rain event in June 2015. He said that the overland route seems to pond rather than flow. These conditions have been observed 3-4 times over the past two years.

Mike Neumann of 301 Elm Street said that he experiences ponding in his back yard after even normal rain events. He fears that the flow away could be strong enough during significant rain events that small children could be swept away. He has installed pumps to help the situation.

P. E. Minix said that the homeowner at 292 Elm performed various improvements when recent remodeling was performed so water flows past the side yard, and now does not seem to have problems with the overland flow component. There was also work done at 279 and 281 Geneva Road. The 292 Elm and 279 Geneva property owners were reimbursed by the Village for overland flow improvements when they granted stormwater easements.

There was discussion concerning the existing stormwater sewer pipes under Kenilworth and elsewhere and whether they can be reconfigured to carry more water. Staff feels such changes will not result in significantly reducing overland water flow given the size of the basin being drained and are quite costly. Several residents suggested considering a pipe along Kenilworth all the way to Geneva Road rather than turning at Oak and back at Elm. There is also the issue of the amount of water the County will permit to be discharged into Churchill Park. P. E. Minix opined that the most effective solution is not in adding huge new pipes, but maximizing the existing system and by better handling the overland flow problem. In this way, the Village and residents will see the greatest improvement for the investment.

There was further discussion with Mr. Nessler concerning the scope of work that could be done in the side yard. In response to a question from Trustee Elliott, residents said that storm water has always been a problem in the area. Mr. Nessler asked that he be able to have his own consultants review the final plans, and expressed concern that he may get water in his basement that he does not now experience.

Chairman Colliander said the Commission supports additional computer modeling to check pipe and overland water flow capacities. He noted that the Kenilworth basin being drained by this system is 60 acres, and one of the ways to deal with it is via overland flow. Also, some streets are designed to hold water until it can drain away. The problem most likely can never be totally solved, but the Village is trying to control it while also controlling costs. The Village is doing an exceptional job with the available funds. Resident input is always valuable and sought. Chairman Colliander also commended P. E. Minix and his staff on its professionalism and scope of the review of the situation and then considering the available funds.

P. E. Minix said that plans are still in the design stage, but will be shared when it is deemed appropriate. The Board will have to decide whether to authorize just lowering Elm Street or going onto private property for additional improvements. There is funding, maintenance and liability added to work on private property. The question is what to include in plans for contractors to bid on. Director Hansen said that Elm Street will be paved to facilitate this plan, and whatever else is allowed is the Board's decision. P. E. Minix said that the staff recommendation is to get everything possible done now as it will fit into the planned road reconstruction work best and tie-into all the downstream improvements.

Chairman Colliander gave his opinion that, because there is an existing storm water route going between the homes at 291 and 295 Elm, the Village should try to do the work at that location, which will address a resident and Village problem. Commissioners discussed the matter of the Village paying for work performed on private property.

After further discussion by Commissioners, the following motion was made by Commissioner Zuccherro and seconded by Commissioner Burton:

Whereas other infrastructure work is being done via the Elm-Oak-Geneva improvements project in 2016, including road work that could aid storm water flow in the area, and with the owners of 291 Elm and 295 Elm in agreement, the Capital Improvements Commission therefore recommends that work on private property be done at the same time to enhance overland water flow and be made part of the infrastructure project. Pricing is to be consistent with the Engineer's Final Estimate.

The motion was unanimously approved.

TRUSTEE REPORT:

No report.

OTHER BUSINESS:

None

PUBLIC WORKS REPORT:

Director Hansen has met with the Historical Preservation Commission concerning the LED street lights proposed for installation in the Central Business District. That Commission did not like the recommended fixture, preferring a fixture that closely resembles what is currently in place, but is more expensive than the unit selected by the CIC and Environmental Commission. The Environmental Commission will approve whatever is agreed upon by this Commission and the Historical Preservation Commission.

PROJECT REPORT:

P. E. Minix reported that the sidewalk improvements on Roosevelt Road were rebid as part of the January 2016 state letting, and the Village received a better response and better numbers. The Village supports award of the contract by IDOT. The Village is ready to move ahead with the Lake Ellyn improvements to rebuild the structure at the north end of the lake. This work will be bid in approximately one month. The majority of the funding for this project will come from the County Community Development Commission block grants for disaster relief associated with the April 2013 storm event.

ADJOURNMENT:

Commissioner Lane moved, and Commissioner Lindquist seconded, adjourning the meeting. With unanimous consent, the meeting was adjourned at 9:12 PM.

Submitted by Karen Blake, Recording Secretary
Reviewed by R. Minix, Village of Glen Ellyn Public Works



March 10, 2016

To: Selected Residents on Elm Street, Oak Street and Geneva Road

From: Bob Minix, Professional Engineer

Subject: **Elm-Oak-Geneva Improvements Project
Meeting with the Glen Ellyn Village Board Regarding
Elm Street Drainage Issues Scheduled for March 21, 2016
at the Glen Ellyn Civic Center**

Village President
Alexander W. Demos

Trustees
Dean Clark
Timothy Elliott
John Kenwood
Pete Ladesic
Mark Senak
Tim O'Shea

Village Manager
Mark Franz

Village Attorney
Gregory Mathews

Civic Center
535 Duane Street
Glen Ellyn, IL 60137

Administration
630-469-5000

Finance
630-547-5235

Planning and Development
630-547-5250

Police
630-469-1187

Public Works
30 South Lambert Road
Glen Ellyn, IL 60137
630-469-6756

The Village Links
485 Winchell Way
Glen Ellyn, IL 60137
630-469-8180

www.glenellyn.org
www.villagelinksgolf.com

Dear Residents:

Thanks again to those residents who attended the February 2016 meeting of the Glen Ellyn Capital Improvements Commission and participated in the discussions on the appropriate scope of private property drainage work to be included in the upcoming project to reconstruct Elm Street between Western and Kenilworth. At that meeting the commissioners voted in favor of the following motion:

Whereas other infrastructure work is being done via the Elm-Oak-Geneva improvements project in 2016, including road work that could aid storm water flow in the area, and with the owners of 291 Elm and 295 Elm in agreement, the Capital Improvements Commission therefore recommends that work on private property be done at the same time to enhance overland water flow and be made part of the infrastructure project. Pricing is to be consistent with the Engineer's Final Estimate.

The purpose of this letter is to advise you of the upcoming Village Board Workshop where the CIC recommendation will be considered. This will take place on Monday evening, **March 21, 2016**. The Board workshop starts at **6:00 PM** and will take place on the third floor of the Civic Center, 535 Duane Street. All interested parties are requested to attend and provide their comments during the public input portion of the discussion, as the Village Board decision will be binding and final regarding the matter.

The Village Board workshop will be conducted in a manner similar to the Capital Improvements Commission meeting. Following a staff presentation, those present at the meeting will be invited to express their views on project drainage matters. Full participation by all is encouraged and while each viewpoint is important, it is requested that each subsequent speaker make a good faith effort to raise new or different issues / considerations / opinions and avoid repeating previously stated items as much as possible. In this manner the discussions and overall meeting can be effectively conducted.

If you have any questions regarding the upcoming Board workshop meeting, please contact me at 630-547-5514 or at bobm@glenellyn.org. Thank you for your continued interest in the project and I look forward to the upcoming discussion with the Village Board.

cc: Julius Hansen, Public Works Director
Rich Daubert, Senior Civil Engineer
Ray Ulreich, Stormwater Engineer