

AGENDA
PUBLIC WORKS & UTILITIES COMMITTEE
Village of Hoffman Estates
September 25, 2017

7:00 pm – Board Room

Members:	Anna Newell, Chairperson	Gary G. Stanton, Trustee
	Michael Gaeta, Vice Chairperson	Karen J. Arnet, Trustee
	Gary Pilafas, Trustee	William McLeod, Mayor
	Karen V. Mills, Trustee	

- I. Roll Call**
- II. Approval of Minutes – August 21, 2017**

NEW BUSINESS

1. Request approval of an ordinance declaring Village property surplus and permitting the sale of personal property owned by the Village.
2. Recommend approval of a request by K. Hovnanian Homes for a resolution for the acceptance of the public improvements at the Bradwell Estates Subdivision.
3. Request authorization to award contract for the 2017 Drainage Improvements Project to Prime Construction, Inc., of Hampshire, IL (low bid), in the amount of \$45,880.
4. Request authorization to award contract for 2017–2018 winter tractor rentals to Casey Equipment Co., Arlington Heights, IL (low bid), in an amount not to exceed \$20,800.
5. Request authorization to waive bidding and purchase a replacement camera component for the sewer inspection system from EJ Equipment, Manteno, IL, sole original equipment manufacturer (OEM), in an amount not to exceed \$40,819.36.
6. Request authorization to award contract for masonry tuck-pointing and restoration of the Village Hall, Public Works Center and Fire Station 22 to Safe-Way Tuckpointing Co., Des Plaines, IL, in an amount not to exceed \$23,155.
7. Request authorization of Change Order #1 for the cured-in-place lining of 244’ of elliptical storm sewer pipe with Visu-Sewer, Pewaukee, WI, in an amount not to exceed \$71,612.
8. Request acceptance of the Department of Public Works Monthly Report.
9. Request acceptance of the Department of Development Services Monthly Engineering Report of the Transportation and Engineering Division.

- III. President’s Report**
- IV. Other**
- V. Items in Review**
- VI. Adjournment**

**PUBLIC WORKS & UTILITIES COMMITTEE
MEETING MINUTES**

August 21, 2017

I. Roll call

Members in Attendance:

**Trustee Anna Newell, Chairperson
Trustee Michael Gaeta, Vice Chairperson
Trustee Gary Pilafas
Trustee Karen Mills
Trustee Gary Stanton
Trustee Karen Arnet
Mayor William McLeod**

**Management Team Members
in Attendance:**

**Jim Norris, Village Manager
Arthur Janura, Corporation Counsel
Dan O'Malley, Deputy Village Manager
Alan Wenderski, Dir. Of Engineering
Mark Koplín, Asst. Village Mgr., Dev. Services
Bruce Anderson, CATV Coordinator
Patrick Seger, Director of HRM
Fred Besenhoffer, Director of IS
Joe Nebel, Director of Public Works
Jeff Jorian, Fire Chief
Ted Bos, Police Chief
Greg Poulos, Asst. Police Chief
Peter Gugliotta, Director of Planning
Rachel Musiala, Director of Finance
Monica Saavedra, Director of HHS
Bev Romanoff, Village Clerk
Suzanne Ostrovsky, Asst. to Village Manager**

The Public Works & Utilities Committee meeting was called to order at 7:12 p.m.

**II. Approval of Minutes – July 17, 2017,
Special August 7, 2017**

Motion by Trustee Gaeta, seconded by Trustee Mills, to approve the minutes of the Public Works & Utilities Committee meeting of July 17, 2017. Voice vote taken. All ayes. Motion carried.

Motion by Trustee Gaeta, seconded by Trustee Mills, to approve the minutes of the Special Public Works & Utilities Committee meeting of August 7, 2017. Voice vote taken. All ayes. Motion carried.

NEW BUSINESS

1. Request authorization to award contract for 2017 Contracted Brush/Branch Pickup Program to Trees "R" Us, Inc., Wauconda, IL, in an amount not to exceed \$30,000.

An item summary sheet by Joseph Nebel and Nick Lackowski was presented to committee.

Motion by Trustee Gaeta, seconded by Trustee Mills, to award contract for 2017 Contracted Brush/Branch Pickup Program to Trees "R" Us, Inc., Wauconda, IL, in an amount not to exceed \$30,000. Voice vote taken. All ayes. Motion carried.

2. Request authorization to award contract for 2017 Valve Assessment Program with concurrent leak survey to ME Simpson Co., Valparaiso, IN (sole qualified proposal), in an amount not to exceed \$44,400.

An item summary sheet by Joseph Nebel and Haileng Xiao was presented to committee.

Trustee Stanton inquired about the number of bids the department received. Mr. Nebel indicated only one bid was received.

Motion by Trustee Gaeta, seconded by Trustee Arnet, to award contract for 2017 Valve Assessment Program with concurrent leak survey to ME Simpson Co., Valparaiso, IN (sole qualified proposal), in an amount not to exceed \$44,400. Voice vote taken. All ayes. Motion carried.

3. Request acceptance of the Department of Public Works Monthly Report.

The Department of Public Works Monthly Report was presented to committee.

Mr. Nebel provided an update on the recycling event.

Motion by Trustee Gaeta, seconded by Trustee Mills, to accept the Department of Public Works Monthly Report. Voice vote taken. All ayes. Motion carried.

4. Request acceptance of the Department of Development Services Monthly Engineering Report of the Transportation and Engineering Division.

The Department of Development Services Monthly Engineering Report of the Transportation and Engineering Division was presented to committee.

Motion by Trustee Gaeta, seconded by Trustee Arnet, to accept the Department of Development Services Monthly Engineering Report of the Transportation and Engineering Division. Voice vote taken. All ayes. Motion carried.

- III. President's Report**
- IV. Other**
- V. Items in Review**
- VI. Adjournment**

Motion by Trustee Gaeta, seconded by Trustee Stanton, to adjourn the meeting at 7:17 p.m. Voice vote taken. All ayes. Motion carried.

Minutes submitted by:

Jennifer Djordjevic, Director of Operations
and Outreach / Office of the Mayor and Board

Date

COMMITTEE AGENDA ITEM

VILLAGE OF HOFFMAN ESTATES

SUBJECT: Request approval of an ordinance declaring Village property surplus and permitting the sale of personal property owned by the Village.

MEETING DATE: September 25, 2017

COMMITTEE: Public Works & Utilities

FROM: Joseph Nebel, Director of Public Works
Bob Markko, Fleet Supervisor

PURPOSE: Approval of an ordinance declaring Village property surplus and permitting the sale of personal property owned by the Village, utilizing online auction and bid proposal solicitation.

DISCUSSION: The Village is required to declare surplus all property deemed no longer necessary, useful to, or in the best interests of the Village to retain prior to properly disposing of such property.

BACKGROUND: In the past, the Village has been able to dispose of surplus property by way of online public auction, live auction, and other methods so as to reduce waste and derive any further value in the form of revenues to the extent possible. Surplus items not sold at auction can then be properly disposed of or recycled.

FINANCIAL IMPACT: The sale of Village surplus items is expected to generate marginal revenues from the auction.

RECOMMENDATION: Approval of an Ordinance authorizing the sale of personal property owned by the Village, per the attachment.

VILLAGE OF HOFFMAN ESTATES

AN ORDINANCE AUTHORIZING THE SALE
OF PERSONAL PROPERTY OWNED BY
THE VILLAGE OF HOFFMAN ESTATES

WHEREAS, in the opinion of at least three-fourths of the corporate authorities of the Village of Hoffman Estates, it is no longer necessary or useful to or for the best interests of the Village of Hoffman Estates to retain ownership of the personal property hereinafter described; and

WHEREAS, it has been determined by the President and Board of Trustees of the Village of Hoffman Estates to sell said personal property through bid solicitation or at a public auction to be held on the internet auction website www.publicsurplus.com.

NOW, THEREFORE, BE IT ORDAINED by the President and Board of Trustees of the Village of Hoffman Estates, Cook and Kane Counties, Illinois, as follows:

Section 1: That pursuant to 65 ILCS 5/11-76-4 of the Illinois Revised Statutes, the President and Board of Trustees of the Village of Hoffman Estates find that the described personal property attached as Exhibit "A" now owned by the Village of Hoffman Estates, is no longer necessary or useful to the Village of Hoffman Estates and that the best interests of the Village of Hoffman Estates will be served by its sale.

Section 2: That pursuant to 65 ILCS 5/11-76-4, the Village Manager is hereby authorized and directed to sell the aforementioned property now owned by the Village of Hoffman Estates through bid solicitation, at public auction on the internet auction website www.publicsurplus.com.

Section 3: That the Village Manager is hereby authorized and directed to advertise the sale of the aforementioned personal property in a newspaper published within the community not less than ten (10) days before the date of said public auction.

Section 4: That no bid which is less than the minimum price set forth in the list of property to be sold shall be accepted.

Section 5: That the Village Manager is hereby authorized and directed to enter into an agreement for the sale of said personal property.

Section 6: That upon payment of the full auction price, the Village Manager is hereby authorized and directed to convey and transfer title to the aforesaid personal property to the successful bidder.

Section 7: That if said personal property is not sold at such auction, then the Village Manager is authorized to sell without bid or properly dispose of or recycle any such property.

Section 8: That the Village Clerk is hereby authorized to publish this ordinance in pamphlet form.

Section 9: That this ordinance shall be in full force and effect immediately from and after its passage and approval.

PASSED THIS _____ day of _____, 2017

VOTE	AYE	NAY	ABSENT	ABSTAIN
Trustee Karen V. Mills	_____	_____	_____	_____
Trustee Anna Newell	_____	_____	_____	_____
Trustee Gary J. Pilafas	_____	_____	_____	_____
Trustee Gary G. Stanton	_____	_____	_____	_____
Trustee Michael Gaeta	_____	_____	_____	_____
Trustee Karen Arnet	_____	_____	_____	_____
President William D. McLeod	_____	_____	_____	_____

APPROVED THIS _____ DAY OF _____, 2017

Village President

ATTEST:

Village Clerk

Published in pamphlet form this _____ day of _____, 2017.

Exhibit A

Item	Qty.	Min Bid
2A 2001 International 4900 1HTSHAAR41H355151	1	\$ 7,500.00
12A 2002 International 4400 1HTMKAAR12H516969	1	\$ 7,500.00
15A 2002 International 4400 1HTMKAARX2H516968	1	\$ 7,500.00
C99A 2002 Chevrolet Blazer 1GNDT13W92K233565	1	\$ 750.00
P08A 2011 Ford Crown Vic PI 2FABP7BV4BX149334	1	\$ 750.00
P23A 2011 Ford Crown Vic PI 2FABP7BV4BX162987	1	\$ 750.00
88 2007 Ford Crown Vic PI 2FAFP71W17X123664	1	\$ 500.00
E96 2003 Ford Crown Vic PI 2FAFP71W13X114151	1	\$ 500.00
P89A 2006 Ford Expedition 1FMPU16536LA83387	1	\$ 750.00
52 2000 Atlas Bobcat 863H 514441143	1	\$ 4,500.00
110 1994 Yacht UT1150 4H1021318R0153317	1	\$ 200.00
114 1996 Yacht UT1150 4H1021314T0196429	1	\$ 200.00
129 2000 Cronkite 2600E 47326192811110459	1	\$ 200.00
133 1985 Crown 6COLK X610H-001	1	\$ 300.00
56A 2001 John Deere 410G T0410GX894563	1	\$ 7,500.00
71A 2003 Ford Expedition 1FMPU16LX3LC08055	1	\$ 750.00
701A 2004 Dodge Ram 1500 107HA16K74J276437	1	\$ 500.00
C74 2007 Ford Crown Vic PI 2FAFP71W67X123658	1	\$ 500.00
93A 2003 Dodge Ram 2500 3D7KA26DX3G720469	1	\$ 500.00
		\$ 41,650.00

**COMMITTEE AGENDA ITEM
VILLAGE OF HOFFMAN ESTATES**

SUBJECT: Request by K. Hovnanian Homes for a resolution for the acceptance of the public improvements at the Bradwell Estates Subdivision

MEETING DATE: September 25, 2017

COMMITTEE: Public Works & Utilities

FROM: Alan Wenderski

PURPOSE: Request by K. Hovnanian Homes for a resolution for the acceptance of the public improvements at the Bradwell Estates Subdivision.

BACKGROUND: The Bradwell Estates Subdivision consists of 17 single family residential lots on Carriana Court which is south of Bradwell Road between Kingston Drive and Chambers Drive. Bradwell Estates received Village Board approval on January 20, 2014.

DISCUSSION: All lots have been constructed and granted final certificate of occupancy permits. Final inspections have been completed for all public improvements; individual lot grading/drainage and all punch list deficiencies have been resolved. Some work was required in Cook County Right-of-Way and Hoffman Estates Park District property. Both agencies have also noted no further deficiencies.

A letter was mailed to all residents within the Bradwell Estates Subdivision notifying them of the request for acceptance. From that correspondence, staff has not received any additional concerns related to the public acceptance items.

Per Section 10-7-5 of the Municipal Code, a resolution accepting the public improvements, a Bill of Sale, and Memo to the Village Clerk have been prepared. Also as required, a maintenance letter of credit extending 12 months from the date of acceptance and as-built engineering plans have also been received.

Below is a list of attached documents:

1. Resolution
 - a. Exhibit A – Dedicated Streets
 - b. Exhibit B – Memo to Clerk

DISCUSSION: (Continued)

2. Bill of Sale
 - a. Exhibit A – Plan sheet highlighting public improvements
 - b. Exhibit B – Cost of public improvements
3. Bradwell Estates Location Map
4. Notice of Public Acceptance Letter to Residents

FINANCIAL IMPACT:

The accepted public improvements will require typical maintenance. K. Hovnanian Homes has submitted a \$76,570 maintenance letter of credit that will be active for 12 months from the date of acceptance.

RECOMMENDATION:

Recommend approval of a request by K. Hovnanian Homes for a resolution for the acceptance of the public improvements at the Bradwell Estates Subdivision.

Attachments

RESOLUTION NO. _____ - 2017

VILLAGE OF HOFFMAN ESTATES

**A RESOLUTION ACCEPTING THE
PUBLIC IMPROVEMENTS WITHIN THE
BRADWELL ESTATES SUBDIVISION FOR VILLAGE MAINTENANCE**

WHEREAS, K. Hovnanian Homes has submitted a plat of subdivision for the Bradwell Estates subdivision, said plat designating certain public streets or thoroughfares dedicated as such, which streets are listed on Exhibit "A" attached hereto and incorporated herein; and

WHEREAS, the President and Board of Trustees of the Village of Hoffman Estates have approved said plat; and

WHEREAS, the Village Engineer has filed with the Village Clerk a certificate to the effect that all improvements required to be constructed or installed in or upon said streets or thoroughfares in connection with the approval of the plat of subdivision by the Village Board have been fully completed and the construction or installation thereof has been approved by him, a copy of which is attached hereto and incorporated herein as Exhibit "B".

NOW, THEREFORE, BE IT RESOLVED by the President and Board of Trustees of the Village of Hoffman Estates, Cook and Kane Counties, Illinois, as follows:

Section 1: That the public improvements located within the Bradwell Estates subdivision, more fully described on Exhibit "A" attached hereto, be and the same are hereby accepted for maintenance by the Village of Hoffman Estates.

Section 2: That this Resolution shall be in full force and effect immediately from and after its passage and approval.

PASSED THIS _____ day of _____, 2017

VOTE	AYE	NAY	ABSENT	ABSTAIN
Trustee Karen V. Mills	_____	_____	_____	_____
Trustee Anna Newell	_____	_____	_____	_____
Trustee Gary J. Pilafas	_____	_____	_____	_____
Trustee Gary G. Stanton	_____	_____	_____	_____
Trustee Michael Gaeta	_____	_____	_____	_____
Trustee Karen Arnet	_____	_____	_____	_____
President William D. McLeod	_____	_____	_____	_____

APPROVED THIS _____ DAY OF _____, 2017

Village President

ATTEST:

Village Clerk

EXHIBIT A

DEDICATED STREETS

Bradwell Estates Subdivision

Carriana Court - From Bradwell Road to End of Street

VILLAGE OF HOFFMAN ESTATES

Memo

TO: Bev Romanoff, Clerk
FROM: Alan Wenderski, Village Engineer
DATE: 9/25/17
RE: Bradwell Estates

K. Hovnanian Homes has completed the installation of all public facilities related to the Bradwell Estates subdivision. Development Services and Public Works have inspected the public improvements and all work is acceptable.

The Transportation and Engineering Division has received the maintenance guarantee, Bill of Sale and as-built engineering plans for this project.

The Transportation and Engineering Division is recommending that the Village Board pass a resolution accepting Bradwell Estates and the associated public improvements for maintenance and as called for per Section 10-7-5 of the Hoffman Estates Municipal Code and as listed in Exhibit A.

BILL OF SALE

KNOW ALL MEN BY THESE PRESENTS, that K. Hovnanian at Bradwell Estates, LLC, an Illinois Limited Liability corporation, in consideration of Ten and no/100 Dollars (\$10.00) and other good and valuable consideration does hereby grant, sell, transfer, deliver and quit claim unto the Village of Hoffman Estates, a Municipal corporation in Cook and Kane Counties, Illinois ("the Village"), and the Village does hereby accept, the following goods, chattels and other items of personal property, ("the Public Improvements") located within the public right-of-way or public easement in Bradwell Estates in the Village of Hoffman Estates, Illinois, namely:

1. Storm Sewer - Each and every part and item of a system of storm sewers, lined culverts and paved drainageways, and other items of personalty for the conveyance or detention of storm and surface waters installed at the direction of the Village by the Developer for the purpose of the collection, transport, and flow of surface and storm waters within the Village.
2. Sanitary Sewer - Each and every part and item of a sanitary sewer system for the collection, transportation and treatment of sewage installed at the direction of the Village by the Developer with the exception of those pipes which transport the sewage of a single building into a common sewer commonly known as house service.
3. Water Main - Each and every part and item of a system for the distribution of potable water installed at the direction of the Village by the Developer except the pipe which transports water from the buffalo box to a single building commonly known as a house service.
4. Street System - Each and every part and item of the street system installed at the direction of the Village by the developer; more specifically, curbs, pavement, street lights, sidewalk and parkway trees.

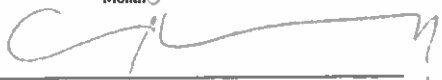
The object of this Bill of Sale is to grant, sell, transfer and deliver to the Village, with the exceptions noted, the ownership in all items of personalty which comprise the storm sewer and stormwater management system, sanitary sewer system and water distribution system, and street system installed by the Developer within Bradwell Estates. Nothing herein shall be deemed to convey ownership of any other personalty located within said right-of-ways or easement.

See attached Exhibit "A" (Plan sheet(s) highlighting the Public Improvements to be dedicated to the Village of Hoffman Estates)

See attached Exhibit "B" (Detailed final cost of public improvements installed and dedicated to the Village of Hoffman Estates)

The Developer does hereby covenant it is the lawful owner of the aforescribed goods, chattels and personalty; that such items are free from all encumbrances; that the Developer has the right to sell the same as aforesaid; and that the Developer warrants and will defend the same against the lawful claims and demands of all persons; and that the execution of this Bill of Sale is an authorized act of said corporation, individual or partnership.

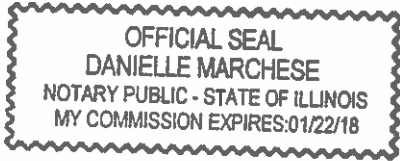
Dated at Hoffman Estates, Illinois, this 1st day of August, 2017.



Developer
AN ILLINOIS CORPORATION
State
ANDREW KONOLODOFF
K HOVNANIAN AT BRADWELL
ESTATES, LLC

STATE OF ILLINOIS)
) SS
COUNTY OF DuPage)

The foregoing instrument was acknowledged before me this 1ST day of August, 2017, by Andrew Konovodoff, Division President, an Illinois corporation on behalf of said corporation.



Danielle Marchese
Notary Public
DuPage County, Illinois
My Commission Expires: 01/22/18

ATTEST:

William McLeod
Name

Village President
Title

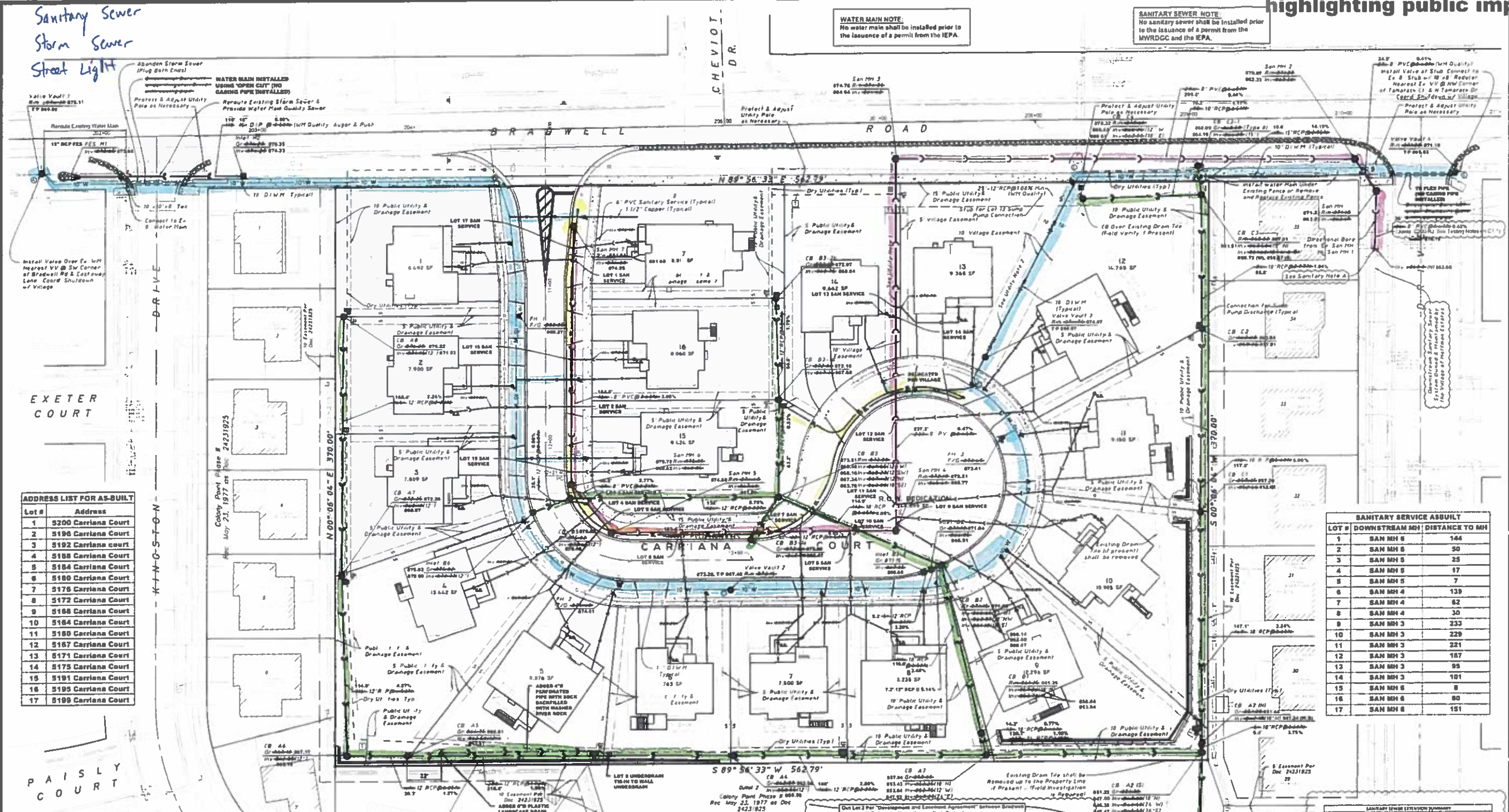
Signature

By: Bev Romanoff
Name

Village Clerk
Title

Signature

Water
Sanitary Sewer
Storm Sewer
Street Light



ADDRESS LIST FOR AS-BUILT

Lot #	Address
1	5200 Carriana Court
2	5196 Carriana Court
3	5192 Carriana Court
4	5188 Carriana Court
5	5184 Carriana Court
6	5180 Carriana Court
7	5176 Carriana Court
8	5172 Carriana Court
9	5168 Carriana Court
10	5164 Carriana Court
11	5160 Carriana Court
12	5157 Carriana Court
13	5171 Carriana Court
14	5175 Carriana Court
15	5191 Carriana Court
16	5195 Carriana Court
17	5199 Carriana Court

UTILITY CROSSING TABLE

EXISTING	PLANNED	SEPARATION	NOTES
1	2" San 1" Pipe	4"	
2	2" San 1" Pipe	4"	
3	2" San 1" Pipe	4"	
4	2" San 1" Pipe	4"	
5	2" San 1" Pipe	4"	
6	2" San 1" Pipe	4"	
7	2" San 1" Pipe	4"	
8	2" San 1" Pipe	4"	
9	2" San 1" Pipe	4"	
10	2" San 1" Pipe	4"	
11	2" San 1" Pipe	4"	
12	2" San 1" Pipe	4"	
13	2" San 1" Pipe	4"	
14	2" San 1" Pipe	4"	
15	2" San 1" Pipe	4"	
16	2" San 1" Pipe	4"	
17	2" San 1" Pipe	4"	

RECORD AS-BUILT PLANS

TSL
 9575 W. Higgins Road
 Suite 850
 Rosemont, IL 60018
 TEL: (847) 318-9790
 FAX: (847) 318-9792
 wluiz@thomsonltd.com

Thomson Surveying Ltd.
 PROJECT NO. 5078 DATE: 06-05-2017
 © THOMSON SURVEYING, LTD., 2015



DRY UTILITY NOTE
 Dry utilities are shown for reference only. The final layout of the dry utilities shall be coordinated with the respective dry utility companies and the Village of Hoffman Estates. Utility pedestals and transformers are not allowed in the front yards per the Village of Hoffman Estates.

MISCELLANEOUS UTILITY NOTES
 1. Use clay backfill for sanitary sewer in the side yard grass areas between Lots 13 & 14.
 2. Use clay backfill for water main in the side yard grass areas between Lots 12 & 13.
 3. Light poles shall be wired to the nearest available lobby.

SANITARY SEWER NOTE A
 Contractor shall core into the existing sanitary manhole and provide a riser/water-tight connector conforming to ASTM C-923. The existing sanitary manhole is owned and maintained by the Village of Hoffman Estates. The existing sanitary sewer downstream of this manhole to the MWRD Interceptor Sewer is owned & maintained by the Village of Hoffman Estates. See Sheet C1.3 for sewer routing.

High Water Elevation Per IRRWD 17-221 9 631 9 (INDUSTRIAL DRAINAGE) BRADWELL ESTATES PROJECT DATUM: NAVD83 DATUM: MANSFIELD DATUM: 846' FROM WATER SURFACE: 888.52' (NAVD83 DATUM) + PROJECT DATUM

SANITARY SERVICE ABSTRACT

LOT #	DOWNSTREAM MH	DISTANCE TO MH
1	SAN MH 6	144
2	SAN MH 5	50
3	SAN MH 5	25
4	SAN MH 5	17
5	SAN MH 5	7
6	SAN MH 4	139
7	SAN MH 4	62
8	SAN MH 4	30
9	SAN MH 3	233
10	SAN MH 3	229
11	SAN MH 3	221
12	SAN MH 3	157
13	SAN MH 3	95
14	SAN MH 3	101
15	SAN MH 6	8
16	SAN MH 6	80
17	SAN MH 6	151

SANITARY SEWER ESTIMATION SUMMARY

Drainage	15" PVC (Notes 1)	12" PVC (Notes 1)
1	27	92
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
TOTAL	27	92

SEE SHEET C8.0 FOR CONTINUATION

HAEGER ENGINEERING
 consulting engineers & land surveyors
 130-N. Park Drive, Schaumburg, IL 60197 • Tel: 815-391-6600 Fax: 815-391-6608
 Illinois Professional Engineer License No. 001234567
 Illinois Professional Land Surveyor License No. 001234567

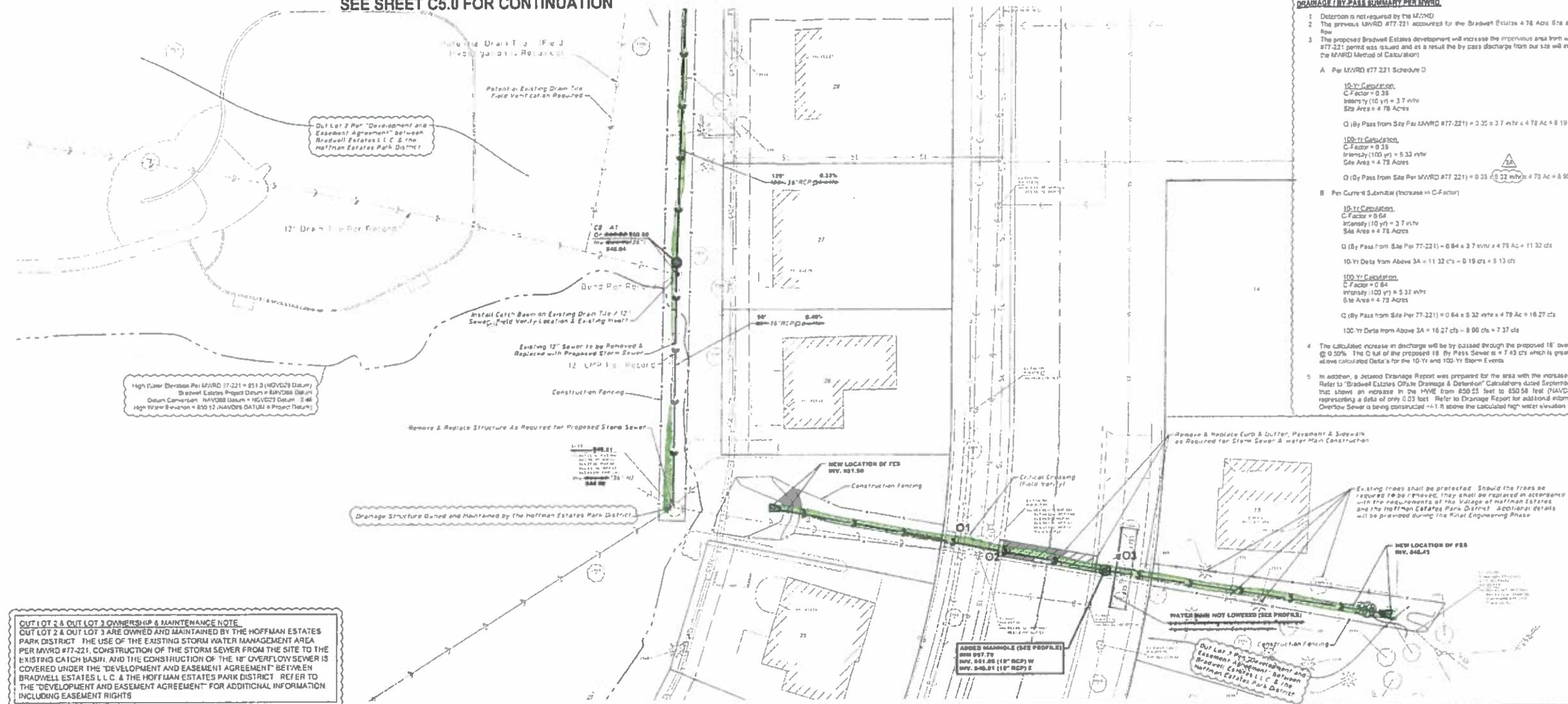
UTILITY PLAN
BRADWELL ESTATES
 FINAL ENGINEERING PLANS
 (HOFFMAN ESTATES, ILLINOIS)

Project Manager: T.A.S.
 Engineer: J.D.T.
 Date: 2013.10.21
 Project No: 11114E
 Sheet: C5.0

SEE SHEET C5.0 FOR CONTINUATION

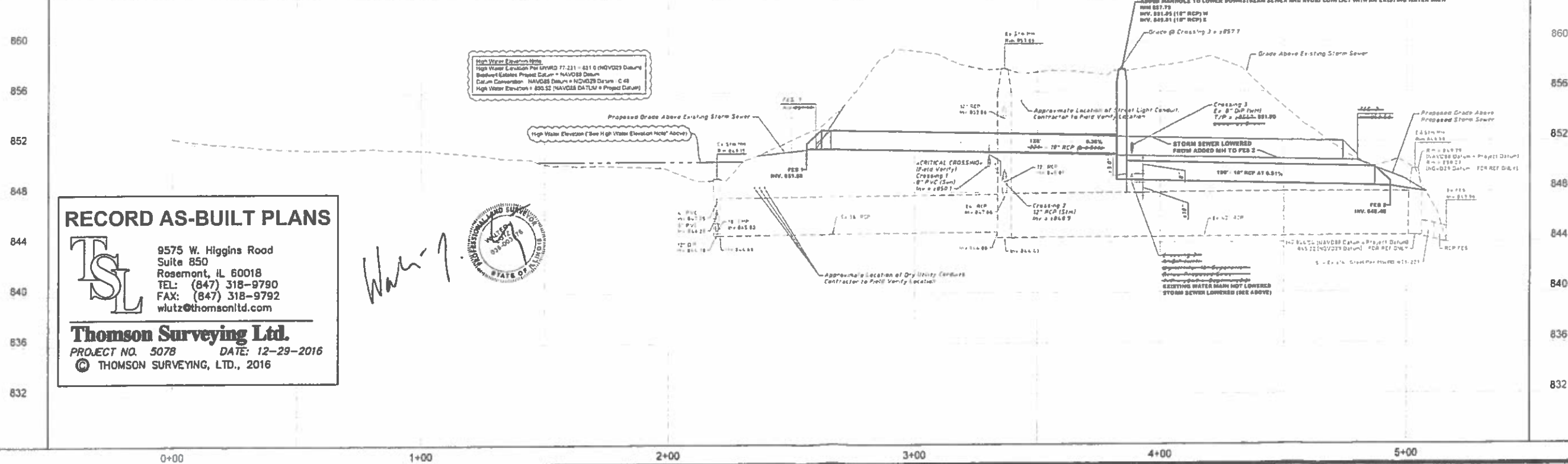
DRAINAGE / BY-PASS SUMMARY PER MWVD

- Determination is not required by the MWVD
- The previous MWVD #77-221 accounted for the Bradwell Estates 4.76 Acre Site as "By Pass" flow
- The proposed Bradwell Estates development will increase the impervious area from when MWVD #77-221 permit was issued and as a result the by pass discharge from our site will increase (Per the MWVD Method of Calculation)
 - A. Per MWVD #77-221 Schedule D
 - 10-Yr Calculation, C-Factor = 0.58, Intensity (10 yr) = 3.7 in/hr, Site Area = 4.76 Acres
 - Q (By Pass from Site Per MWVD #77-221) = 0.32 cfs @ 3.7 in/hr @ 4.76 Ac = 8.19 cfs
 - 100-Yr Calculation, C-Factor = 0.58, Intensity (100 yr) = 6.33 in/hr, Site Area = 4.76 Acres
 - Q (By Pass from Site Per MWVD #77-221) = 0.33 cfs @ 6.33 in/hr @ 4.76 Ac = 8.90 cfs
- Per Curve # Submittal (Increase in C-Factor)
 - 10-Yr Calculation, C-Factor = 0.64, Intensity (10 yr) = 3.7 in/hr, Site Area = 4.76 Acres
 - Q (By Pass from Site Per 77-221) = 0.64 x 3.7 in/hr @ 4.76 Ac = 11.32 cfs
 - 10-Yr Data from Above 3A = 11.32 cfs - 0.19 cfs = 5.13 cfs
 - 100-Yr Calculation, C-Factor = 0.64, Intensity (100 yr) = 6.33 in/hr, Site Area = 4.76 Acres
 - Q (By Pass from Site Per 77-221) = 0.64 x 6.33 in/hr @ 4.76 Ac = 16.27 cfs
 - 100-Yr Data from Above 3A = 16.27 cfs - 8.90 cfs = 7.37 cfs
- In addition, a Detention Drainage Report was prepared for the area with the increased C-Factor. Refer to "Bradwell Estates Civil & Drainage & Detention" Calculations dated September 30, 2013 that shows an increase in the HWLE from 820.25 feet to 820.58 feet (NAVD83 Datum) representing a delta of only 0.03 feet. Refer to Drainage Report for additional information. 18" Overflow Sewer is being constructed ~1'-8" above the calculated high water elevation.



OUT LOT 2 & OUT LOT 3 OWNERSHIP & MAINTENANCE NOTE
 OUT LOT 2 & OUT LOT 3 ARE OWNED AND MAINTAINED BY THE HOFFMAN ESTATES PARK DISTRICT. THE USE OF THE EXISTING STORM WATER MANAGEMENT AREA PER MWVD #77-221, CONSTRUCTION OF THE STORM SEWER FROM THE SITE TO THE EXISTING CATCH BASIN, AND THE CONSTRUCTION OF THE 18" OVERFLOW SEWER IS COVERED UNDER THE "DEVELOPMENT AND EASEMENT AGREEMENT" BETWEEN BRADWELL ESTATES L.L.C. & THE HOFFMAN ESTATES PARK DISTRICT. REFER TO THE "DEVELOPMENT AND EASEMENT AGREEMENT" FOR ADDITIONAL INFORMATION INCLUDING EASEMENT RIGHTS.

High Water Elevation Note
 High Water Elevation Per MWVD #77-221 = 820.25 (NAVD83 Datum)
 Bradwell Estates Project Datum = NAVD83 Datum
 Datum Conversion: NAVD83 Datum + NGVD29 Datum = 3.48
 High Water Elevation = 820.52 (NAVD83 Datum = Project Datum)



RECORD AS-BUILT PLANS

TSL

9575 W. Higgins Road
 Suite 850
 Rosemont, IL 60018
 TEL: (847) 318-9790
 FAX: (847) 318-9792
 wltz@thomsonltd.com

Thomson Surveying Ltd.
 PROJECT NO. 5078 DATE: 12-29-2016
 © THOMSON SURVEYING, LTD., 2016



HAEGER ENGINEERING
 consulting engineers • land surveyors

1200 N. First Street, Schaumburg, IL 60195 • Tel: 815.394.4600 • Fax: 815.394.4608
 1500 N. First Street, Schaumburg, IL 60195 • Tel: 815.394.4600 • Fax: 815.394.4608

COLONY PARK EMERGENCY OVERFLOW PLAN & PROFILE
BRADWELL ESTATES
FINAL ENGINEERING PLANS

Project Manager: T.A.J.
 Engineer: J.D.T.
 Date: 2013.10.29
 Project No: 11174E
 Sheet No: **C8.0**

File Date: 12/29/2016 1:33pm - Printed By: wltz
 File Name: P:\2013\11174E\Engineering\As-Built\Drawings\AS-BUILT\AS-BUILT\11174E COLONY PARK EMERGENCY OVERFLOW PLAN & PROFILE.dwg

Bill of Sale Exhibit B – Cost of public improvements



consulting engineers • land surveyors

1304 North Plum Grove Road
Schaumburg, Illinois 60173-4546
Tel: 847.394.6600
Fax: 847.394.6608

Engineer's Opinion of Probable Construction Cost

Project: Bradwell Estates
Location: Hoffman Estates, IL
Project #: 11-174

Prepared: IAP/KAS/TAS
Reviewed: TAS
Date: 7/9/2014

SUMMARY OF ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Section	Description	Total Cost
A	Demolition & Debris Removal (Site & Bradwell R.O.W.)	\$ 23,723
B	Offsite Overflow Storm Sewer Under Chambers Drive	\$ 22,353
C	Offsite Storm Sewer from Site to Ex CB. (Not Including CB A2)	\$ 22,545
D	Watermain Improvements (Site & Bradwell R.O.W.)	\$ 133,364
E	Sanitary Sewer Improvements	\$ 66,312
F	Storm Sewer Improvements (Site & R.O.W.)	\$ 104,873
G	Roadway / R.O.W. Improvement (Camiana Court & Bradwell Road)	\$ 192,704
H	Earthwork & Erosion Control	\$ 114,372
I	Landscaping & Miscellaneous Lot Construction	\$ 230,762
TOTAL:		\$ 931,007

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
A: Demolition & Debris Removal (Site & Bradwell R.O.W.)					
1	Clearing & Grubbing (Site)	4.78	AC	\$3,000.00	\$14,340.00
2	Clearing & Grubbing (R.O.W.)	0.40	AC	\$3,000.00	\$1,200.00
3	Remove Existing Drain Tile (If Present - Field Verification Required)	368	LF	\$3.00	\$1,104.00
4	Remove Timber Wall	40	LF	\$10.00	\$400.00
5	Remove/Relocate Metal Shed (Coordinate with Owner of Lot 35)	1	EA	\$200.00	\$200.00
6	Remove/Relocate Wood Playset (Coordinate with Owner of Lot 35)	1	EA	\$150.00	\$150.00
7	Remove Wire Fence	69	LF	\$2.50	\$172.50
8	Remove Brick Fire Place	1	EA	\$250.00	\$250.00
9	Remove Concrete Structure	1	EA	\$250.00	\$250.00
10	Remove Utility Pole	1	EA	\$250.00	\$250.00
11	Remove Temporary Sign (R.O.W.)	1	EA	\$75.00	\$75.00
12	Relocate Street Sign (R.O.W.)	1	EA	\$75.00	\$75.00
13	Remove Concrete Sidewalk (R.O.W.)	309	SF	\$2.00	\$618.00
14	Saw-Cut Bituminous Pavement	79	LF	\$2.00	\$158.00
15	Remove Bituminous Pavement (R.O.W.)	27	SY	\$12.00	\$324.00
16	Remove Gravel Shoulder (R.O.W.)	97	SY	\$8.00	\$776.00
17	Remove 18" Culvert (R.O.W.)	100	LF	\$10.00	\$1,000.00
18	Remove 8" Water Main (R.O.W.) - Coordinate with Water Main Construction	10	LF	\$20.00	\$200.00
19	Remove 10" Water Main (R.O.W.) - Coordinate with Water Main Construction	56	LF	\$20.00	\$1,120.00
20	Relocate Wood Fence (R.O.W.)	76	LF	\$10.00	\$760.00
21	Remove Brick Wall	20	LF	\$15.00	\$300.00
Subtotal A:					\$23,722.50

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
B: Offsite Overflow Storm Sewer Under Chambers Drive					
1	Temporary Relocate Sign During Construction	1	EA	\$75.00	\$75.00
2	Construction Fencing	437	LF	\$2.50	\$1,092.50
3	Saw-Cut Sidewalk	16	LF	\$2.00	\$32.00
4	Saw-Cut Pavement / Curb & Gutter	74	LF	\$2.00	\$148.00
5	Remove & Replace Bituminous Pavement for Sewer Construction	23	SY	\$45.00	\$1,035.00
6	Remove & Replace Concrete Sidewalk (R.O.W.)	45	SF	\$8.00	\$360.00
7	Remove & Replace Curb & Gutter	12	LF	\$20.00	\$240.00
8	18" RCP F.E.S. with Grate	2	EA	\$1,500.00	\$3,000.00
9	Rip Rap for 18" F.E.S. Discharge Sewer	1	EA	\$500.00	\$500.00
10	18" RCP - Storm Sewer	140	LF	\$35.00	\$4,900.00
11	18" RCP - Storm Sewer with Trench Backfill	80	LF	\$50.00	\$4,000.00
12	Lower Existing 8" D.I.W.M. @ Sewer Crossing	30	LF	\$100.00	\$3,000.00
13	Fine Grade and Restore Lawn @ F.E.S.	120	SY	\$4.00	\$480.00
14	Restore Disturbed Lawn / Parkway above Storm Sewer / Water Main	235	SY	\$4.00	\$940.00
15	Haul Excavated Clay Material Not Used for Backfill to Site	45	CY	\$15.00	\$675.00
16	Granular Trench Backfill (Chamber Drive R.O.W. Only)	75	CY	\$25.00	\$1,875.00
Subtotal B:					22,352.50



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Engineer's Opinion of Probable Construction Cost

Project: Bradwell Estates
Location: Hoffman Estates, IL
Project #: 11-174

Prepared: IAP / KAS / TAS
Reviewed: TAS
Date: 7/9/2014

C: Offsite Storm Sewer from Site to Ex:CB: (Not including CB:A2)		Quantity	Unit	Unit Price	Total Amount
1	Construction Fencing	459	LF	\$2.50	\$1,147.50
2	Connect to Existing Drainage Structure	1	EA	\$250.00	\$250.00
3	Remove 12" CMP	86	LF	\$12.00	\$1,032.00
4	36" RCP - Storm Sewer	219	LF	\$65.00	\$14,235.00
5	60" Catch Basin	1	EA	\$2,500.00	\$2,500.00
6	Haul Excavated Clay Material Not Used for Backfill to Site	160	CY	\$15.00	\$2,400.00
7	Restore Disturbed Lawn above Storm Sewer	245	SY	\$4.00	\$980.00
				Subtotal C:	22,544.50

D: Watermain Improvements (Site & Bradwell R.O.W.)		Quantity	Unit	Unit Price	Total Amount
1	6" Ductile Iron with Trench Backfill	9	LF	\$42.00	\$378.00
2	8" Ductile Iron with Trench Backfill	3	LF	\$42.00	\$126.00
3	10" Ductile Iron	135	LF	\$50.00	\$6,750.00
4	10" Ductile Iron with Trench Backfill	1,152	LF	\$65.00	\$74,880.00
5	10" Ductile Iron with Casing for Directional Bore	80	LF	\$100.00	\$8,025.00
6	Water Service - 1 1/2" Type K Copper (to ROW)	377	LF	\$15.00	\$5,655.00
7	Curb Box	17	EA	\$650.00	\$11,050.00
8	10" Valve in Valve Vault, 60" Dia.	4	EA	\$3,500.00	\$14,000.00
9	Fire Hydrant Assembly	3	EA	\$3,000.00	\$9,000.00
10	Watermain Testing and Chlorination	1	LS	\$3,500.00	\$3,500.00
				Subtotal D:	133,364.00

E: Sanitary Sewer Improvements		Quantity	Unit	Unit Price	Total Amount
1	6" PVC SDR 26 - Sanitary Service Lines (to R.O.W.)	511	LF	\$30.00	\$15,330.00
2	6" PVC SDR 26 (Watermain Quality) - Sanitary Service Lines (To R.O.W.)	300	LF	\$35.00	\$10,500.00
3	8" PVC SDR 26 - Sanitary Sewer	534	LF	\$35.00	\$18,690.00
4	8" PVC SDR 26 - Sanitary Sewer with Trench Backfill	382	LF	\$50.00	\$19,100.00
5	8" PVC C900 with Restrained Joints - Sanitary Sewer (Directional Bore)	36	LF	\$100.00	\$3,600.00
6	8" PVC SDR 26 (Watermain Quality) - Sanitary Sewer with Trench Backfill	27	LF	\$55.00	\$1,485.00
7	48" Manhole - with Frame and Lid, Type A	7	EA	\$1,800.00	\$12,600.00
8	Connect to Existing Structure with Core & Boot	1	EA	\$500.00	\$500.00
9	Sanitary Sewer Televising & Testing	1	LS	\$4,500.00	\$4,500.00
				Subtotal E:	86,312.15

F: Storm Sewer Improvements (Site & R.O.W.)		Quantity	Unit	Unit Price	Total Amount
1	12" RCP - Storm Sewer	936	LF	\$22.50	\$21,040.00
2	12" RCP - Storm Sewer with Trench Backfill	86	LF	\$37.50	\$3,225.00
3	15" RCP - Storm Sewer with Trench Backfill	19	LF	\$45.00	\$852.50
4	15" D.I.P. (Watermain Quality) (Auger & Push)	110	LF	\$60.00	\$6,600.00
5	18" RCP - Storm Sewer	534	LF	\$32.00	\$17,088.00
6	18" RCP - Storm Sewer with Trench Backfill	137	LF	\$50.00	\$6,850.00
7	24" RCP - Storm Sewer	137	LF	\$40.00	\$5,467.20
8	24" Inlet - with Frame and Grate, Type A	4	EA	\$750.00	\$3,000.00
9	48" Catch Basin - with Frame and Grate, Type A	19	EA	\$1,800.00	\$34,200.00
10	60" Catch Basin - with Frame and Grate, Type A	1	EA	\$2,500.00	\$2,500.00
11	Sump Pump Service Connection Stubs	17	EA	\$150.00	\$2,550.00
12	15" F.E.S. with Grate and Rip-Rap at Outlet	1	EA	\$1,500.00	\$1,500.00
				Subtotal F:	104,872.70

Engineer's Opinion of Probable Construction Cost

Project: Bradwell Estates
 Location: Hoffman Estates, IL
 Project #: 11-174

Prepared: IAP/KAS/TAS
 Reviewed: TAS
 Date: 7/9/2014

G: Roadway / R.O.W. Improvement (Carriana Court & Bradwell Road)		Quantity	Unit	Unit Price	Total Amount
1	Carriana Court Site - 1 1/2" Bituminous Surface Course (N50)	2,310	SY	\$7.50	\$17,325.00
2	Carriana Court Site - 2 1/4" Bituminous Concrete Binder Course (N50)	2,310	SY	\$10.00	\$23,100.00
3	Carriana Court Site - 4 1/4" Bituminous Aggregate Mixture (BAM)	2,310	SY	\$15.00	\$34,655.66
4	Carriana Court Site - 6" Sub-Base Granular Material, CA-6	2,500	SY	\$6.00	\$15,000.00
5	Carriana Court Site - Subgrade Stabilization Fabric (12" Overlap)	2,500	SY	\$2.00	\$4,999.32
6	Carriana Court Apron - 2 1/4" Bituminous Surface Course (N70)	177	SY	\$12.00	\$2,124.00
7	Carriana Court Apron - 2 1/4" Bituminous Concrete Binder Course (N50)	177	SY	\$10.00	\$1,770.00
8	Carriana Court Apron - 7" Bituminous Aggregate Mixture (BAM)	177	SY	\$25.00	\$4,425.00
9	Carriana Court Apron - 6" Sub-Base Granular Material, CA-6	177	SY	\$6.00	\$1,062.00
10	Carriana Court Apron - 8" HMA Shoulder	33	SY	\$25.00	\$825.00
11	Carriana Court Apron - 4" Aggregate Base Course, Type B, CA-6	33	SY	\$4.00	\$132.00
12	Bradwell Road Gravel Shoulder - 12" Aggregate Base Course, Type B, CA-6	192	SY	\$12.00	\$2,304.00
13	Carriana Court Site - 5" PCC Sidewalk with 4" Aggregate Base Course	6,065	SF	\$5.00	\$30,325.00
14	Bradwell Road - 5" PCC Sidewalk with 4" Aggregate Base Course	3,809	SF	\$5.00	\$19,045.00
15	Carriana Court Site - B6.12 Curb & Gutter	724	LF	\$18.00	\$13,032.00
16	Carriana Court Site - Depressed B6.12 Curb & Gutter	455	LF	\$18.00	\$8,190.00
17	Bradwell Road - Depressed B6.12 Curb & Gutter	25	LF	\$18.00	\$450.00
18	Detectable Warning	68	SF	\$25.00	\$1,691.08
19	Street Light Assembly	3	EA	\$3,500.00	\$10,500.00
20	Stop Sign	1	EA	\$150.00	\$150.00
21	No Parking Sign	6	EA	\$150.00	\$900.00
22	Pavement Markings - 6"	337	LF	\$1.50	\$505.62
23	Pavement Markings - 12"	51	LF	\$2.50	\$126.98
24	Pavement Markings - 24"	13	LF	\$5.00	\$66.65
Subtotal G:					192,704.29

H: Earthwork & Erosion Control		Quantity	Unit	Unit Price	Total Amount
1	Silt Fence	1,834	LF	\$2.00	\$3,667.16
2	Inlet Basket	25	EA	\$150.00	\$3,750.00
3	Stabilized Construction Entrance	1	EA	\$2,500.00	\$2,500.00
4	Ditch Check	9	EA	\$200.00	\$1,800.00
5	Strip & Stockpile Topsoil (2" Per Soils Report)	1,400	CY	\$3.00	\$4,200.00
6	Topsoil Import (6")	1,100	CY	\$15.00	\$16,500.00
7	Earthwork (Not Incl. Topsoil) - Cut to Fill (Includes Basement Excavation)	16,391	CY	\$5.00	\$81,955.00
Subtotal H:					114,372.16

I: Landscaping & Miscellaneous Lot Construction		Quantity	Unit	Unit Price	Total Amount
1	Landscaping - Buffer Area Trees (See Landscape Estimate)	1	LS	\$33,642.00	\$33,642.00
2	Landscaping - On Lot Trees (2 per Lot)	34	EA	\$387.50	\$13,175.00
3	Landscaping Sod - Carriana Court R.O.W.	985	SY	\$3.25	\$3,201.25
4	Landscaping Sod - Lot Areas	12,590	SY	\$3.25	\$40,917.50
5	Landscaping Sod - Bradwell R.O.W.	1,330	SY	\$3.25	\$4,322.50
6	Segmental Block Retaining Wall - Southeast Wall	1,030	SF	\$25.00	\$25,756.42
7	Segmental Block Retaining Wall - Southwest Wall	620	SF	\$25.00	\$15,502.42
8	Mailbox	17	EA	\$175.00	\$2,975.00
9	Driveway - 2" Bituminous Concrete Surface Class (N50)	1,561	SY	\$10.00	\$15,610.00
10	Driveway - 6" Aggregate Base, CA-6	1,561	SY	\$6.00	\$9,366.00
11	Driveway Apron - 6" PCC with Mesh Reinforcement & 4" Aggregate Base	6,066	SF	\$6.50	\$39,429.00
12	Water Service - 1 1/2" Type K Copper (House to ROW)	627	LF	\$15.00	\$9,405.00
13	6" PVC SDR 26 - Sanitary Service Lines (House to R.O.W.)	497	LF	\$30.00	\$14,910.00
14	Cleanout	17	EA	\$150.00	\$2,550.00
Subtotal I:					230,762.03

Plan Reference Note:

Quantities are based on Bradwell Estates Site Improvement Plans dated 10/21/2013, last revised 05/28/2014.

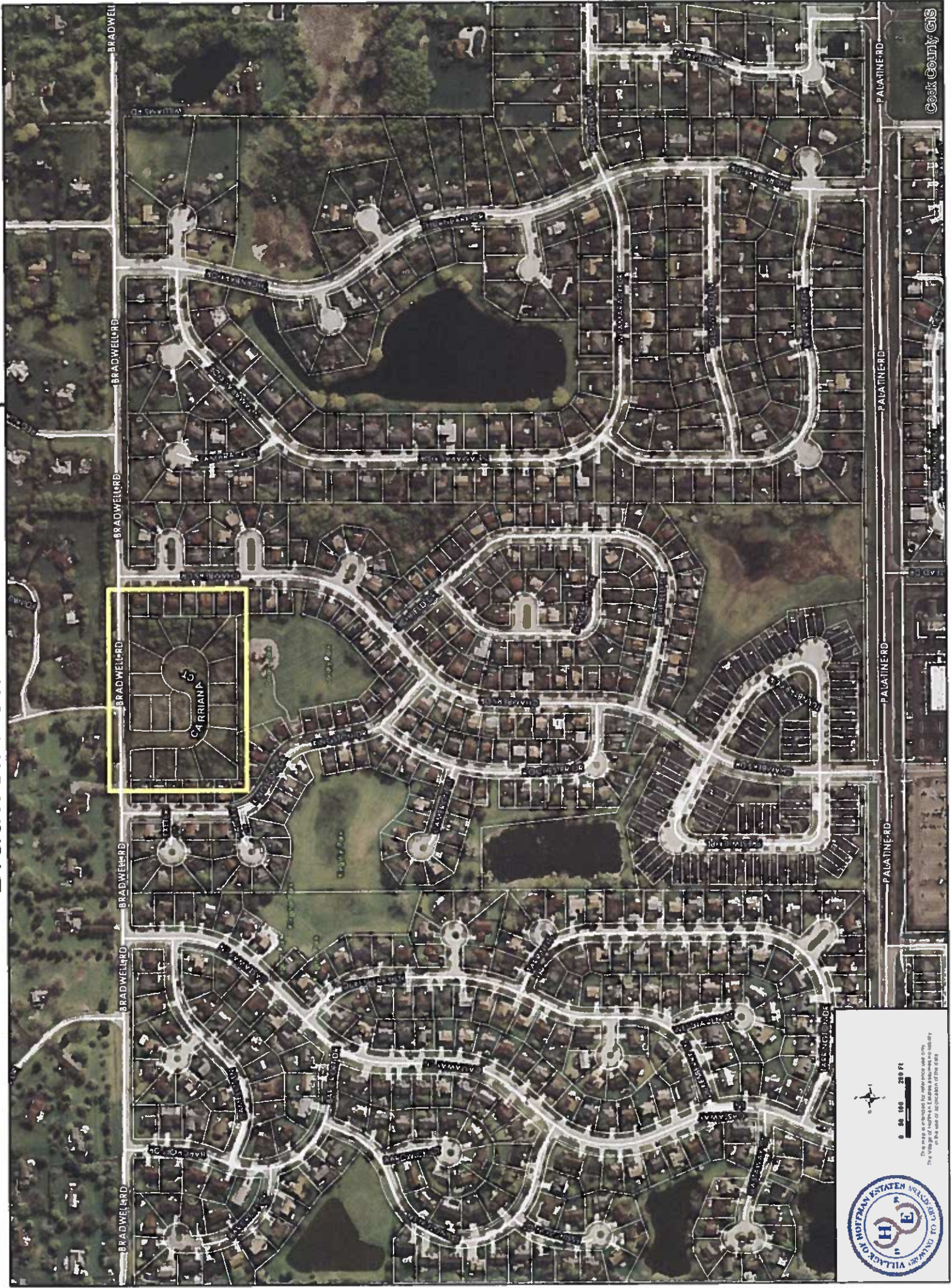
Not Included in the Above Quantities

1. Permit, Inspection & Municipal Fees
2. Construction Staking, As-Built Plans, Permit Plats, Foundation Location Survey, Closing Surveys, NPDES Inspections
3. Dry utility items
4. Mailboxes
5. No contingency was included in the above.

Disclaimer:

This Engineer's Opinion of Probable Construction Cost is based on Site Improvement Plans dated 10/21/2013 last revised 05/28/2014, and is based on Haeger Engineering's best judgment as an experienced and qualified professional engineering firm, familiar with the construction industry. However, since Haeger Engineering, LLC has no control over the actual cost of labor, materials, equipment, or services provided by others, or over Contractor's methods of determining prices, or over competitive bidding or market conditions, Haeger Engineering, LLC cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from Opinions of Probable Construction Cost prepared by Haeger Engineering, LLC.

Bradwell Estates Location Map



0 50 100 200 FT
This map is submitted for reference use only.
The Village of Hoffman Estates does not warrant the accuracy
or the use or interpretation of the map.



HOFFMAN ESTATES

GROWING TO GREATNESS

August 23, 2017

**SUBJECT: NOTICE OF PUBLIC ACCEPTANCE
BRADWELL ESTATES**

Dear Resident:

The Public Works and Utilities Committee will entertain a request by K. Hovnanian Homes for the acceptance of the Bradwell Estates Subdivision on Monday, September 25, 2017 at 7:00 p.m. at the Hoffman Estates Village Hall, 1900 Hassell Road.

Acceptance of a subdivision occurs when all of the public improvements (pavement, sanitary sewer, storm sewer, water main, street lights) and some private improvements (lot grading and drainage) are completed to the satisfaction of the Village. As a reminder, any outstanding issue with the house is a private matter between the homeowner and K. Hovnanian Homes and will not be considered as part of the acceptance process.

Please contact me with any general questions or concerns prior to the committee meeting at (847) 252-5802 or alan.wenderski@hoffmanestates.org.

Sincerely,

Alan Wenderski, P.E.
Village Engineer

1900 Hassell Road
Hoffman Estates, Illinois 60169
www.hoffmanestates.org

Phone: 847-882-9100
Fax: 847-843-4822

William D. McLeod
MAYOR

Gary J. Pilafas
TRUSTEE

Karen J. Arnet
TRUSTEE

Karen V. Mills
TRUSTEE

Gary Stanton
TRUSTEE

Bev Romanoff
VILLAGE CLERK

Anna Newell
TRUSTEE

Michael Gaeta
TRUSTEE

James H. Norris
VILLAGE MANAGER

**COMMITTEE AGENDA ITEM
VILLAGE OF HOFFMAN ESTATES**

SUBJECT: Request authorization to award contract for the 2017 Drainage Improvements Project to Prime Construction, Inc., of Hampshire, IL (low bid), in the amount of \$45,880

MEETING DATE: September 25, 2017

COMMITTEE: Public Works & Utilities

FROM: Alan Wenderski

PURPOSE: Request authorization to award contract for the 2017 Drainage Improvements Project to Prime Construction, Inc., of Hampshire, IL (low bid), in the amount of \$45,880.

BACKGROUND: In 1992, the Village adopted a drainage policy and an annual drainage improvement project to correct drainage problems in the right of way and other areas.

The Village Board previously approved (April 24, 2017 Public Works and Utilities Meeting) the three locations chosen for this year’s project. At that time the assumed costs for these three locations was \$55,000. This year’s program is budgeted for \$60,000.

2017 DRAINAGE IMPROVEMENT LOCATIONS				
PRIORITY	LOCATION	INITIAL DATE	DESCRIPTION	SOLUTION
1	220 Aster Lane	2016	Offsite flow from Golf Road storm sewer system drains through back and side yard swale at high velocity causing erosion.	Install pipe to handle low flow and regrade swale to correct erosion.
2	1585 Westbury Drive	2010	Sump pump and overland drainage from multiple lots causes icing on sidewalk.	Add perforated pipe to nearby inlet and connect sump pump
3	4085 Whispering Trails Drive	2016	Multiple lots drain through backyard and west sideyard. Low slope of street and lack of storm inlets causes significant street icing throughout winter.	Install drainage to collect flow from sideyard and connect to sewer. Add additional inlet in street to capture flow further upstream.

DISCUSSION:

On September 18, 2017, 12 bids were received for the 2017 Drainage Improvements Project. The bid summary is shown in the table below:

Bidder	Bid Cost
Prime Construction	\$ 45,880
Performance Construction	\$ 48,800
DeVinci Construction	\$ 49,899
Maneval Construction	\$ 54,223
Vian Construction	\$ 58,030
Lenny Hoffman Excavating	\$ 59,872
Mauro Sewer Construction	\$ 63,977
Patnick Construction	\$ 66,600
Bolder Contractors	\$ 76,471
Archon Construction	\$ 79,497
A Lamp Concrete Contractors	\$ 79,639
Swallow Construction	\$ 87,225
Engineer's Estimate	\$ 56,052

Prime Construction, Inc. submitted the low bid of \$45,880. Prime Construction has previously provided drainage improvement services to the Village several times over the last 12 years with excellent results. All past work has been completed in a timely and satisfactory manner.

The project was bid with the inclusion of locations 1 and 2 only. In preparation of the plans and specifications for this project, it was determined that the 2017 Street Revitalization Project had an adjacent street to be reconstructed to Location 3 at 4085 Whispering Trails Drive. This drainage location was incorporated into the Street Revitalization Project and work was completed with the Ridgewood Lane reconstruction. Within the scope of the Street Revitalization Project, the improvements were able to be completed for \$7,000. It was estimated that this improvement would cost nearly \$15,000 if it were included as a stand-alone project.

During the design for Location 1 at Aster Lane, Engineering was notified by Public Works of a collapsed street culvert at the intersection of Aster Lane and Apricot Street. The removal and replacement of this culvert was incorporated into the bid for Location 1.

FINANCIAL IMPACT:

The low bid amount along with the cost of Location 3 as part of the Street Revitalization Project total \$52,880. The 2017 budget allocated \$60,000 for this project.

RECOMMENDATION:

Request authorization to award contract for the 2017 Drainage Improvements Project to Prime Construction, Inc., of Hampshire, IL (low bid), in the amount of \$45,880.

**COMMITTEE AGENDA ITEM
VILLAGE OF HOFFMAN ESTATES**

SUBJECT: Request authorization to award contract for 2017–2018 winter tractor rentals to Casey Equipment Co., Arlington Heights, IL (low bid), in an amount not to exceed \$20,800.

MEETING DATE: September 25, 2017

COMMITTEE: Public Works & Utilities

FROM: Joseph Nebel, Director of Public Works
Kelly Kerr, Assistant Director of Public Works

PURPOSE: To acquire rental front end loaders for use during snow removal operations throughout the upcoming 2017–2018 winter season.

BACKGROUND: Each year the Village enters into a rental agreement for rental of front end loader tractors. Bid specifications were updated requesting pricing for two (2) tractors for this coming season. Eleven (11) potential bidders were mailed bid packets.

DISCUSSION: On September 12, 2017, the Village Clerk opened three (3) bid proposals. Upon review of bids received, the low bidder was Casey Equipment Co., Arlington Heights, IL. This firm proposed a monthly rental cost of \$2,500.00 per month with \$400 each for delivery/pickup charges for each of the pieces of equipment. For purposes of cost comparison, last winter's base monthly rental for front end loader tractors was also \$2,500.00 from McAllister Equipment. We were notified in February of 2017 that McAllister Equipment was having financial issues and the company closed shortly after this notice.

These pieces of equipment are utilized for purpose of plowing a number of cul de sac routes in the north section of the Village that have limited access for our truck plows and are also used to move quantities of plowed snow that can often cause vehicle as well as pedestrian site restrictions.

FINANCIAL IMPACT:

The Snow & Ice Control Contractual Services Equipment Rental account provides Board approved funding for two (2) tractor rentals during the four months of 2017; January, February, March and December. This same funding has been requested in the 2018 submitted budget.

A comparison of vendor bid prices follows:

Bidder 2017/2018 Season	Rental Fee x 4 months	Delivery & Pickup x 2 Front End Loaders	Total
Casey Equipment Co Arlington Heights , IL	\$2,500.00 x 4 = \$10,000.00 x 2 FEL's = \$20,000.00	\$200.00 x 2 = \$400.00 x 2 \$800.00	\$20,800.00
Illinois Truck & Equip. Morris, IL	\$3,500.00 x 4 = \$14,000.00 x 2 FEL's = \$28,000.00	\$450.00 x 2 = \$900.00 x 2 \$1,800.00	\$29,800.00
Patten Rental Service Elmhurst, IL	\$2,750.00 x 4 = \$11,000.00 x 2 FEL's = \$22,000.00	\$245.00 x 2 = \$490.00 x 2 \$980.00	\$22,980.00

RECOMMENDATION:

Request authorization to award contract for 2017–2018 winter tractor rentals to Casey Equipment Co., Arlington Heights, IL (low bid), in an amount not to exceed \$20,800.

NOTE: Complete bid information is available in the white binder in the Trustees' ante room.

**COMMITTEE AGENDA ITEM
VILLAGE OF HOFFMAN ESTATES**

SUBJECT: Request authorization to waive bidding and purchase a replacement camera component for the sewer inspection system from EJ Equipment, Manteno, IL, sole original equipment manufacturer (OEM), in an amount not to exceed \$40,819.36.

MEETING DATE: September 25, 2017

COMMITTEE: Public Works & Utilities

FROM: Joseph Nebel, Director of Public Works
Haileng Xiao, Superintendent of Water and Sewer

PURPOSE: Request authorization to purchase a replacement sewer inspection camera.

BACKGROUND: Inspections for sanitary sewer by camera are essential to support the ongoing sewer maintenance program for sewer repair and replacement. In 2008, through competitive bidding, Village purchased a closed circuit sewer inspection camera system (\$70,800) for these inspections. The equipment not only met Village specifications but also conformed well to the Village's applications at the lowest cost. It has been used extensively as an essential tool for both sanitary and storm sewer rehabilitation and repair. Information obtained through the inspections with the equipment is used for planning of future sewer work. In addition, we often experience flow problems on a section of sewer pipe. With the sewer camera system we are able to inspect the pipe quickly to determine the conditions of the pipe as well the possible causes of the flow problem. The system is also used to determine where inflow and infiltration (I&I) into the sanitary sewer is occurring so that the point sources can be addressed. In recent years the scope for such inspections has been greatly increased due to the new I&I Control Program adopted by Metropolitan Water Reclamation District of Greater Chicago (MWRD) in 2014.

DISCUSSION:

The current sewer inspection system has been in service for nearly 10 years with wear and tear through daily work. It has become necessary to at minimum replace certain components of the system.

In August 2017, staff received a proposal of \$40,819.36 from the OEM for the replacement of the camera component of sewer inspection system. Staff reviewed the proposal and found with newer technology, the replacement will improve staff's capability to conduct inspections and camera maintenance. The proposed cost of the camera component is roughly half the cost of an entirely new system. Many components of the existing system, such as motorized cable reel assembly, camera housing, transporter cradle and power supply system, remain very functional and do not require replacement. The requested camera will continue to provide 40:1 optical / digital zoom ratio with the capability of built-in lighting for 6" through 76" lines of sewer pipes and the Optical Zoom will continue to be 10:1. The features of the new camera include built in self-diagnostics for temperature, humidity, camera and light voltage, serial number, and hour meter to facilitate maintenance and trouble-shooting. The new camera has the flexibility for replacement of lighting in a shorter period of time (10 minutes) which reduces or eliminates downtime. After comparing the two options, staff concludes that replacement of the camera component is far more cost effective than purchase of new module.

FINANCIAL IMPACT:

The proposed cost for the replacement with upgrade for the camera component of the sewer inspection equipment is \$40,819.36. FY2017 budget (40407325-4608 & 40406825-4602) includes a combined total of \$44,500 for the purchase of the equipment and will be sufficient to cover the proposed cost.

RECOMMENDATION:

Request authorization to waive bidding and purchase a replacement camera component for the sewer inspection system from EJ Equipment, Manteno, IL, sole original equipment manufacturer (OEM), in an amount not to exceed \$40,819.36.

EJ EQUIPMENT, INC.
 PO Box 665 • 6949 N. 3000 E. Rd.
 Manteno, IL 60950
 PH: (815) 468-0250 • Fax: (815) 468-8055
 www.ejequipment.com


EQUIPMENT
 Sales • Service • Parts

Ship To: SAME AS BELOW

Branch 01 - CENTRAL		
Date 08/22/2017	Time 11:04:21 (O)	Page 1
Account No. HOFFM001	Phone No. 8478829100	Estimate No. 000809
Ship Via	Purchase Order	
Salesperson BRIAN CLODI		S27 / 304

Invoice To: VILLAGE OF HOFFMAN ESTATES
 1900 HASSELL ROAD
 HOFFMAN ESTATES IL 60195

Attention: TOM BURNITZ

EQUIPMENT ESTIMATE - NOT AN INVOICE

Description	** Q U O T E **	QUOTE VALID: 09/21/2017	Amount
PART# WM360-1 TRANSPORTER ASSEMBLY, CPR, 60 VOLT, ALUMINUM			18158.91
PART# MZ300-2L CAMERA ASSEMBLY, M/C, OZIII, LED, WITH SONDE			22660.45
		Subtotal:	40819.36
		Quote Total:	40819.36

Authorization: _____



EQUIPMENT

X

Received By

**COMMITTEE AGENDA ITEM
VILLAGE OF HOFFMAN ESTATES**

SUBJECT: Request authorization to award contract for masonry tuck-pointing and restoration of the Village Hall, Public Works Center and Fire Station 22 to Safe-Way Tuckpointing Co., Des Plaines, IL, in an amount not to exceed \$23,155.

MEETING DATE: September 25, 2017

COMMITTEE: Public Works & Utilities

FROM: Joseph Nebel, Director of Public Works
Paul Petrenko, Facilities Manager



PURPOSE: Award contract to tuck-point and restore masonry at the Village Hall, Public Works Center and Fire Station 22.

BACKGROUND: Most Village buildings are constructed with a brick facade which provides the benefits of being durable, attractive, and energy efficient. It also provides a weatherproof shell to protect the interior of the building. However, as the buildings age, many of the mortar joints start to crack and allow moisture to penetrate, accelerating interior damages. These must be resealed by means of grinding out the old mortar and placing new mortar back in between the bricks.

The 2017 CIP allocated \$40,000 to be used for tuck-pointing, caulking, and brick replacement of selected areas of various Village buildings. Staff chose the buildings with the most mortar damage and water intrusion to do an evaluation and inventory areas that required tuck-pointing and restoration. This provided a basis for assembling bid specifications. The Village Hall, Public Work Center and Fire Station 22 were selected as the buildings needing the most attention at this time.

On September 5, 2017 a bid was published containing specifications, elevation drawings, pictures and notice of a mandatory pre-bid meeting on September 12. A total of 5 contractors attended and participated in a walk-around to look at the buildings, job scope and site conditions. As a result, an addendum was published to all attending parties.

DISCUSSION:

On the Bid opening date September 19, 2017, two (2) proposals were received with costs for each area highlighted on the proposal form. This itemized listing allowed staff to select the priority areas to be done as they relate to costs and budget, and to evaluate the bidders' value. The bid tab is attached:

Staff reviewed submitted proposals and found no significant discrepancies in any bid that would disqualify them from project award. All had municipal references and had a wide range of projects successfully completed. That left the total proposed cost the main deciding factor. Staff therefore recommends that the masonry project be awarded to Safe-Way Tuckpointing Co., as their bid was significantly lower than the cost of Eugene Matthews Inc.

FINANCIAL IMPACT:

Village FY2017 CIP Budget outlines a total of \$40,000 for Village tuck-pointing with 100% from Capital Building Improvements (36000025-4604). All listed masonry items were selected for contract award as the budgeted funds well exceeds the total project cost. A 10 % contingency was also included to cover additional tuck-pointing and unknown conditions exposed once grinding commences.

RECOMMENDATION:

Request authorization to award contract for masonry tuck-pointing and restoration of the Village Hall, Public Works Center and Fire Station 22 to Safe-Way Tuckpointing Co., Des Plaines, IL, in an amount not to exceed \$23,155.

NOTE: Complete bid information is available in the white binder in the Trustees' ante room.

VILLAGE OF HOFFMAN ESTATES
DEPARTMENT OF PUBLIC WORKS
TABULATION OF BIDS FOR
Village Building Masonry Tuck-Pointing and
Restoration

Bid Opening Date: September 19, 2017

Time: 10:00 a.m.

Attended by: Bev Romanoff, Village Clerk; Paul Petrenko,
Facilities Manager; Roger Golbach,
Maintenance Supervisor

Bid Deposit: Amount of Deposit Received: Bid Certification Form Notarized: Substance Abuse Prevention Certificate: References Provided: Addendum #1 Signed:	Firm:	Safe-Way Tuckpointing Co.	Eugene Matthews, Inc.		
	Address:	9120 N. Delpia Ave. Des Plaines, IL 60016	2600 S. 25th Ave. Suite X Broadview, IL 60155		
	Phone:	847-299-5348	312-666-4646		
	Fax:	847-298-3406	312-666-6066		
	E-mail:	sales@safewaytuckpointing.com	lius@emiusa.net		
	Contact:	Victor Azrorra	Luis Fariols		
		check	bond X	check	bond X
		5%		5%	
		Yes X	No	Yes X	No
		Yes X	No	Yes X	No
	Yes X	No	Yes X	No	
	Yes X	No	Yes X	No	
Items	Unit Price	Total	Unit Price	Total	
Village Hall					
VH-1	75		290		
VH-2	750		4,679		
VH-3	50		312		
VH-4	100		304		
VH-5	125		391		
VH-6	125		342		
VH-7	550		415		
VH-8	100		266		
VH-9	750		1,421		
VH-10	75		304		
VH-11	100		423		
VH-12	50		276		
VH-13	1,850		822		
Alternate Cost Replacement	3,500		6,410		
VH-14	1,850		1,462		
Alternate Cost Replacement	3,500		4,894		
VH-15	450		424		
VH-16	400		342		
VH-17	650		347		
Extra Tuckpointing cost per linear foot	15		7		
Extra Caulking cost per linear foot	20		14		
Extra Brick replacement cost per lin. /ft.	50		55		
Village Hall Total not including Alternates		8,050		18,820	
Village Hall Total including Alternates (Village Num.)		11,350		27,840	
Public Works Center					
PWC-1	200		295		
PWC-2	200		n/a		
PWC-3	200		341		
PWC-4	n/a		n/a		
PWC-5	200		n/a		
PWC-6	n/a		n/a		
PWC-7	200		341		
PWC-8	400		710		
PWC-9	n/a		n/a		
PWC-10	n/a		n/a		
PWC-11	300		399		
PWC-12	100		388		
PWC-13	750		799		
PWC-14	100		428		
PWC-15	1,250		799		
Extra Tuckpointing cost per linear foot	15		7		
Extra Caulking cost per linear foot	20		14		
Extra Brick replacement cost per lin. /ft.	50		55		
Public Works Center Total		3,900		4,500	
Fire Station 22					
FS-1	150		656		
FS-2	50		566		
FS-3	150		1,367		
FS-4	2,500		5,815		
FS-5	1,500		1,366		
FS-6	250		604		
FS-7	800		2,501		
FS-8	400		1,335		
Extra Tuckpointing cost per linear foot	15		7		
Extra Caulking cost per linear foot	20		14		
Extra Brick replacement cost per lin. /ft.	50		55		
Fire Station 22 Total		5,800		14,210	

**COMMITTEE AGENDA ITEM
VILLAGE OF HOFFMAN ESTATES**

SUBJECT: Request authorization of Change Order #1 for the cured-in-place lining of 244' of elliptical storm sewer pipe with Visu-Sewer, Pewaukee, WI, in an amount not to exceed \$71,612.

MEETING DATE: September 25, 2017

COMMITTEE: Public Work & Utilities

FROM: Joseph Nebel, Director of Public Works
Al Wenderski, Village Engineer

PURPOSE: To install a cured-in-place lining as a permanent repair for a large size storm sewer line that transmits regional storm sewer flow to the tollway.

BACKGROUND: In the spring of 2017 during a period of heavy rains, Northview Lane experienced roadway flooding levels that were deeper than had been seen in the recent past. While the rain event was significant, it didn't explain the severity of the roadway flooding that was observed.

Over the next few days and weeks the Village investigated the event to determine the cause of the flooding. During a site visit from the Village Engineer and Director of Public Works, it was clearly observed that the overland flow path for drainage (swale between homes) had been filled in with dirt and seeded over some time ago. The resident of 480 Northview indicated this was done to "flatten out" the side yard of the property. With the elevation of the overland flow relief raised, water levels in the roadway were elevated beyond the allowable one foot that previously occurred during previous large storm events on Northview Lane.

During the course of the investigation the storm sewer line was televised and a large hole was found in the bottom of a section of the corrugated metal pipe (CMP) that runs from behind 480 Northview across the Nicor property and finally discharges at the tollway. While it is not believed this hole contributed to the recent flooding issues, it is a discovery that should be addressed soon. The pipe conveys stormwater for a large area and any failures will increase the occurrences of overland flow drainage and roadway flooding.

DISCUSSION:

Once the large hole was discovered this pipe condition was communicated to the Village Engineer who oversees storm water projects. The Village Engineer examined the situation and determined that due to the importance of this large storm water line that a replacement or repair would be prudent before the pipe experienced a total or partial collapse. The pipe conveys stormwater for a large area and any failures will increase the occurrences of overland flow drainage and roadway flooding. An Engineer's estimate to remove and replace the pipe exceeds \$100,000. The location of the pipe poses many challenges to traditional removal and replacement. There is not a good access point that would be able to accommodate the proper excavation equipment, the pipe crosses two large gas mains on Nicor's property, and also discharges on Tollway property. These challenges contribute to the high cost of removal and replacement and also add considerable coordination efforts amongst multiple agencies.

Alternative maintenance options were explored such as spray in coating, slip lining, etc. but the challenges of access, size and pipe shape made many options not feasible. Since the existing CMP is not deformed and does not have any major slope issues, cured-in-place pipe lining is a good maintenance option. We are currently in the middle of a sanitary sewer main cured-in-place lining project in the Village. Water & Sewer Superintendent Haileng Xiao contacted our contractor and they examined the work and they have confidence that the work can be accomplished with an acceptable final product (it may not be lined as perfectly as much of the sanitary work due to the size, pipe material (CMP) and elliptical shape). The quote given for this lining is \$66,612. We believe this price to be competitive. Visu-Sewer is already on site performing over a million dollars in sanitary lining work for the village so mobilization costs would be reduced or eliminated. Visu-Sewer also has experience lining large diameter CMP storm sewer.

The Village has been waiting on reconstructing a permanent overland flow system until this pipe work has been completed as the swale line will most likely be needed for equipment to move in and out of the area. Once the underground piping work has been completed then the overland flow path will be addressed and is currently included in the 2018 budget request. The Village has restored the overland flow path to the area in a temporary manner to reduce the threat of excessive flooding in the area before completion of the permanent repair.

FINANCIAL IMPACT:

Funds are available from the Storm Water Utility Fund to cover the costs of this project. An additional \$5,000 is requested to address any possible contingencies discovered during construction. Initially the funding allocation was to be requested in the 2018 budget request and listed as a storm sewer project but once the lining solution became evident it was thought to take advantage of the current contractor and have the work completed this year. There is currently adequate funding in the Storm Water Utility Fund to cover this work and if completed this year would not be requested for 2018. Once the piping work is completed there remains the construction of the overland flow path which we estimate at \$40,000.

RECOMMENDATION:

Request authorization of Change Order #1 for the cured-in-place lining of 244' of elliptical storm sewer pipe with Visu-Sewer, Pewaukee, WI, in an amount not to exceed \$71,612.

Nicar Gas Lines

Overland Flow Path

Corrugated Metal Pipe

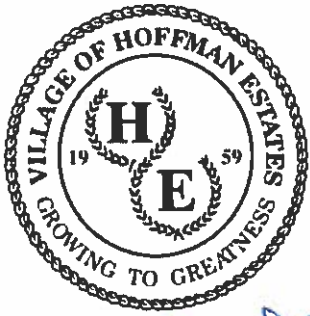
Elliptical Concrete Pipe



Location of damaged pipe

NORTHVIEW LN

Owner: Carl, Dignel, and Family, 3500 1/2, Eastern Oregonians, 6430 NE 10th St, Bend, OR 97701, USA
Community



VILLAGE OF HOFFMAN ESTATES

DEPARTMENT OF PUBLIC WORKS

August 2017 MONTHLY REPORT

SUBMITTED TO: Public Works Committee

September 2017


Joseph Nobel

Director of Public Works


Kelly Kerr

Assistant Director of Public Works

MAJOR PROJECT STATUS

2017 Sanitary Sewer Rehabilitation

On March 6, 2017 the Village Board approved a contract for 2017 sanitary sewer rehabilitation with Visu-Sewer of Illinois, LLC. The first phase of the 2017 contracted work included installation of 13 manholes to replace existing lamp holes, rehabilitation of 6 leaking manholes, replacing failed and collapsed sewer sections through excavation and CIPP (Cured-in-Place Pipe) lining of approximately 19,000 feet of deteriorated sewer mains. A pre-construction meeting was held on April 7, 2017 and the construction started in the week of April 24. **By the end of August the work completed includes:**

- **31,161 feet of sanitary sewer mains have been cleaned and inspected as preparation for lining & rehabilitation work.**
- Installation of 13 standard manholes to replace lamp holes
- Replacement & upgrade of 10 feet of 4" sanitary sewer into 6" sewer
- Rehabilitation of ten (10) manholes
- **Rehabilitation of 21,745 feet of sanitary sewer main by CIPP lining.**
- **Preparatory work is all complete for construction work to replace failed sanitary sewer at Harmon Blvd.**

Separate from the above, a part of the sanitary sewer rehabilitation for 2017 is assigned to Arrow Road Construction for street reconstruction. The sewer rehabilitation completed under street re-construction includes:

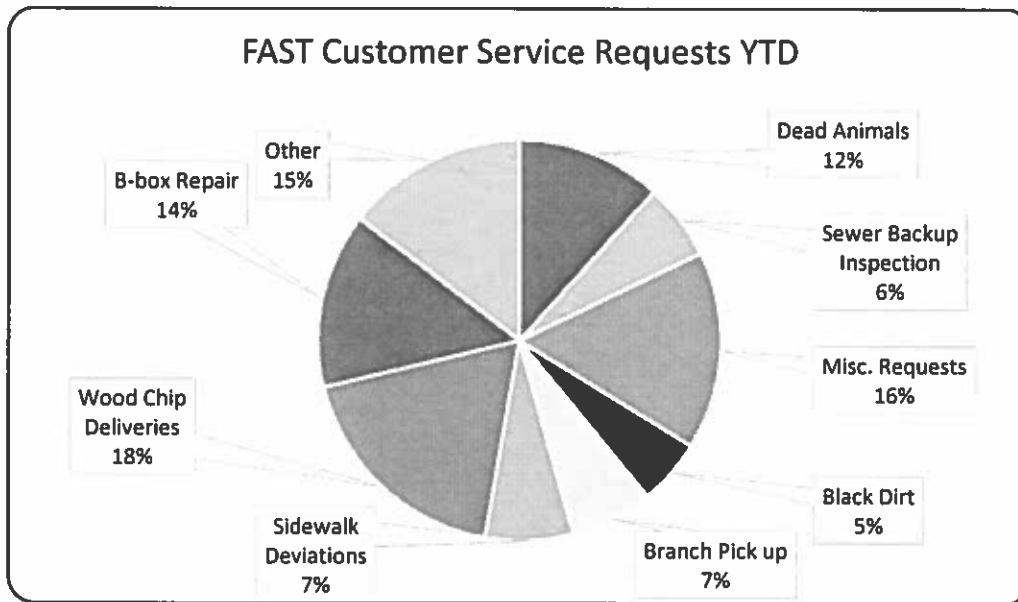
- Replaced five hundred (500) feet of deteriorated 8" sanitary sewer on Highland Blvd and Newport Rd.
- Installation of 2 standard manholes to replace lamp holes.

Customer Services

Fast Action Service Team (FAST):

1. Continued supervision of concrete replacement and mudjacking program;
2. Assisted with sanitary sewer rehab program;
3. Continued sidewalk inspections per plan.

Fast Action Service Team (FAST)												
Customer Service Requests												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
32	28	39	69	59	75	59	71					432



Customer Service Team:

1. Continued audit of commercial water meters;
2. Replaced thirty six (36) MIUs at various residences.

Customer Service Team												
Water Billing - Customer Service Appointments												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
66	56	38	28	54	62	49	77					430
Finance-generated Water Meter Readings												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
217	192	229	215	203	231	279	324					1890
Delinquent Water Accounts												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
121	114	98	79	90	110	92	100					804
New Construction Inspections												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
3	4	4	2	2	2	7	4					28

Customer Service Requests - Gov Q&A/Meter Repairs												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
36	13	14	11	9	8	9	12					112
Meter Change-outs												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
22	14	32	8	6	6	1	34					123
B-box Repairs												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
0	0	0	0	0	0	5	6					11

Utility Locates Team:

1. Provided locates for in-house stump grinding at various locations;
2. Continued oversight of Nicor service line replacements (~25% complete).

Utility Locates Team												
JULIE Locates												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
390	597	833	867	1123	948	761	975					6494
Emergency JULIE Locates												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
29	13	26	35	39	43	42	45					272
Utility Joint Meets												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	2	3	7	6	9	7	1					36

Facilities

1. Installed heater in wash bay at Fleet Services facility;
2. Began replacing ceiling tiles at Fleet Services facility;
3. Completed Village Hall insurance liability walk-through;
4. Completed staff requirements for certificate of operation on new boilers at Public Works Center;
5. Installed new air conditioning and furnace units for Fire Station 23 and Sunderlage Farm House.

Facilities												
Preventative Maintenance Program - staff hours												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
84	86	114	115	110	90	77	90					765

Fleet Services

1. Continued evaluation of FTW22 engine knock. Repairs are being conducted at the warranty center.

Fleet Services												
Preventative Maintenance Program - Number of Repairs												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
24	20	32	21	27	27	21	29					201

Vehicles Sent for Warranty Repair												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	4	3	2	5	4	6	2					27

Forestry

1. Assisted with clearing brush and plant growth west of Public Works Center;
2. Attended demonstration of a stump grinder attachment for skid steer;
3. Outfitted new Forestry trucks with side boards in preparation of the upcoming chipping program;
4. Continued supervision of contract tree trimming.

Forestry												
Customer Service Requests												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
9	16	23	53	104	74	94	51					424

Maintenance & Construction

Storm Sewer Team:

1. Tapped drain tile into storm sewer structure at 5000 N. Tamarack Drive;
2. Installed tee into drain tile system at 4962 Essington Court;
3. Performed monthly MWRD required outflow checks and cleaning.

Storm Sewer Team												
Feet of Storm Sewer Flushed												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2,400	0	250	2,811	2,197	0	874	4,472					13,004
Catch Basin Rebuilds												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
0	0	0	0	2	4	5	7					18

Construction/Maintenance Team:

- 1) Installed new water main valve at 180 W. Thacker Street;
- 2) Completed 2017 hydrant painting program. 1,111 hydrants were painted this year;
- 3) Continued oversight of parkway excavation repair contractor.

Construction/Maintenance Team												
B-box Repair/Replacement												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	5	6	0	5	2	8	7					34
Hydrant Repair/Replacement												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
3	0	1	3	1	1	2	4					15
Valve Repair/Replacement												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	2	4	2	2	0	2	2					15

Water Main/Service Line Leak Repairs												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
6	2	2	2	1	1	1	3					18

Traffic Operations

Pavement Maintenance Team:

1. Coordinated monthly tailgate, JSA, and fire extinguisher training;
2. Started in-house portion of 2017 Pavement Marking Program;
3. Continued providing support for the 2017 Road Reconstruction Program;
4. Continued supplying hot-patch asphalt for Village streets, inlets, and sanitary sewer maintenance.

Pavement Maintenance Team												
Tons of Hot Asphalt Installed												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
0.0	0.0	0.0	8.5	44.0	69.1	53.5	44.0					219.1
Tons of Cold Asphalt Installed												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
11.5	9.5	11.0	6.5	3.5	2.5	1.5	2.0					48.0

Sign Team:

1. Replaced four (4) signs due to vandalism and wind damage;
2. Performed type-I sign reposting at Payson Street, Gannon Court, Milton Lane, and Aberdeen Street.
3. Fabricated one (1) retirement sign for Fire Department, one (1) retirement sign for Public Works, and one (1) retirement sign for Police Department;
4. Installed eight (8) recycling event signs;
5. Installed eight (8) Platzkonzert advertising signs at various locations.

Sign Team												
Repaired/Replaced Signs												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
10	12	5	11	5	1	8	4					56
Signs Fabricated and Installed												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
34	126	30	57	65	88	190	166					756

Street Light Team:

1. Removed concrete street light at 636 Partridge Hill. Installed new helix and wiring for new pole at this location;
2. Repaired lights in western development area;
3. Fabricated brackets for chipping trucks;
4. Performed cleanup and secured site for street light knockdowns in the western development area.

Street Light Team												
Customer Service Requests												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
3	1	11	3	6	7	4	8					43

Street Lights Repaired												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
17	28	48	44	29	47	23	64					300

Water Operations

Operations Team:

1. Conducted rover-TV inspection of water tower #6;
2. Installed five (5) flow monitors for inflow and infiltration study;
3. Installed new water pump for generator at Westbury lift station;
4. Completed annual sanitary water sampling at Sears Centre Arena.

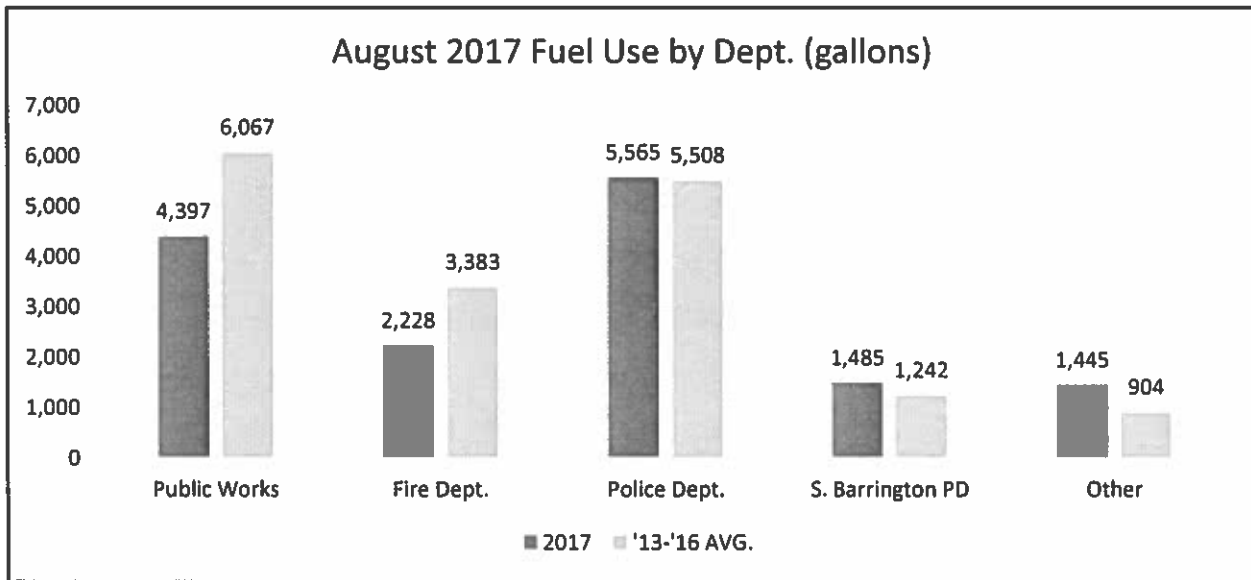
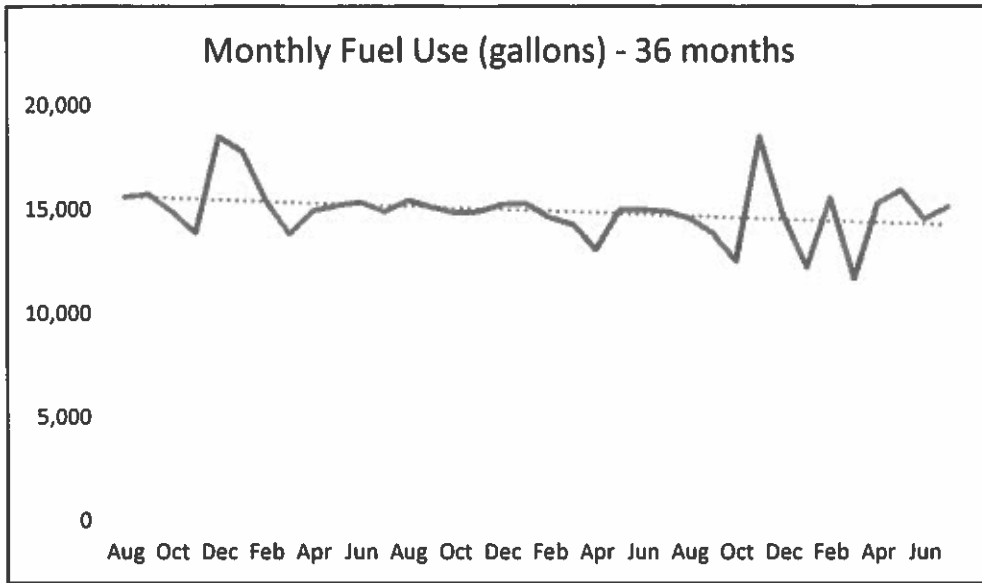
Operations Team												
Resident Water Quality Tests												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	2	0	4	3	1	0	0					11

Sanitary Sewer Flow Management Team:

1. Assisted Operations team with maintenance of generators and WDA pump;
2. Conducted manhole lip inspections;
3. Reviewed documentation associated with Sanitary Sewer Rehab Program;
4. Assisted contractors with manhole inspections;
5. Continued flushing/root cutting in Parcel C.

Sanitary Sewer Flow Management Team												
Sewer Lines Flushed (feet)												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
8,119	1,820	1,791	1,742	34,075	35,920	18,224	29,202					130,893
Sanitary Main Inspections (feet)												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
836	360	224	0	88	0	0	0					1,508

Fuel Use Report



**ENGINEERING REPORT OF THE
TRANSPORTATION AND ENGINEERING DIVISION
DEPARTMENT OF DEVELOPMENT SERVICES
SEPTEMBER MONTHLY REPORT**

Attached is the Monthly Engineering Report of the Transportation and Engineering Division in the Department of Development Services for the period ending September 22, 2017.



Alan Wenderski, P.E.
Village Engineer

MISCELLANEOUS

Summary of miscellaneous items:

- Engineering plan review for:
 - Holiday Inn Express
 - 635/345 Lakeview
- 55 permit inspections
- 1 residential drainage investigations
- 13 Floodplain inquiries
- Reviewed permits for:
 - 1 – Patio
 - 4 – Drainage
- Plan/permit review related to residential development:
 - 9 – Permit Plats
 - 10 – Final Grading
 - 9 – Certificates of Occupancy
 - 4 – Top of Foundations

PROJECT STATUS

VILLAGE PROJECTS	
PROJECT NAME	DESCRIPTION
2017 Crack Sealing Project	Preconstruction meeting with Behm Pavement Maintenance held on August 22 nd . Work scheduled to begin by end of September. Village Project Manager: Shelley Walenga
2017 Drainage Improvement Project	Bid opening held on September 18 th with 12 bidders. Prime Construction was lowest qualified bidder. Village Project Manager: Shelley Walenga
2017 Street Revitalization Project	Work ongoing. Project approximately 90% complete. See attached for latest progress schedule. Village Project Manager: Marty Salerno
2017 Surface Patching Project	Contract awarded to J.A. Johnson Paving (lowest qualified bidder) on September 11 th . Preconstruction meeting held on September 15 th . Work began week of September 18 th and is scheduled to be completed during the week of September 25 th . Village Project Manager: Shelley Walenga

VILLAGE PROJECTS	
PROJECT NAME	DESCRIPTION
Bode Road / Harmon Boulevard STP Resurfacing Project	All work substantially complete on Bode. Paving work on Harmon ongoing during the week of September 25 th . Landscape restoration and punch list work to continue through the end of September. Expected completion of project by early October. Ciorba Group is serving as construction engineer. Village Project Manager: Oscar Gomez
Hillcrest / Moon Lake Boulevard STP Resurfacing Project	Work is complete; punch list work is ongoing. Engineering Resource Associates is serving as Phase III engineer. Village Project Manager: Joe Weesner
Hoffman Boulevard Bridge North Parapet Wall Repair Project	Right of entry approved by CN. Contractor is awaiting delivery of electrical materials before start of demolition work. Project is expected to begin in early October and be completed in approximately one month. Hampton, Lenzini, Renwick (HLR) is serving as design and construction engineer. Village Project Manager: Alan Wenderski
West Berkley Lane Storm Sewer Project	Water main and sanitary service relocation work is complete. Storm sewer installation is ongoing. Project expected to be completed in early October. Chastain is serving as design and construction engineer. Village Project Manager: Alan Wenderski

COMMERCIAL PROJECTS	
PROJECT NAME	DESCRIPTION
Adesa Auto Auction 5407 Trillium Boulevard	Awaiting completion of punch list items. Village Project Manager: Terry White
Animal Hospital Barrington Square 2370 West Higgins Road	Site work nearing completion. Village Project Manager: Terry White
Buona Beef Barrington Square 2352 West Higgins Road	Plan review comments completed for concept site plan. Village Project Manager: Alan Wenderski
Burger King Restaurant 2599 West Higgins Road	Temporary CO issued. Awaiting As-Built drawings, sign-off of ROW permit from IDOT. Village Project Manager: Terry White
CMIC Labs (Formerly JCL Bioassay) Prairie Stone 2860 Forbs Avenue	Work completed. Village Project Manager: Terry White

COMMERCIAL PROJECTS	
PROJECT NAME	DESCRIPTION
Culvers Prairie Stone 4665 Hoffman Boulevard	Awaiting As-Built drawing revisions. Village Project Manager: Terry White
Denny's Prairie Stone Crossing 4690 Hoffman Boulevard	Project guarantee received. Awaiting scheduling of preconstruction meeting. Village Project Manager: Oscar Gomez
Dunkin Donuts Huntington Plaza	Plan review complete from May submittal. Village Project Manager: Alan Wenderski
Enclave Apartments Clubhouse 750 Salem Drive	Project guarantee received. Awaiting scheduling of preconstruction meeting and approval of MWRD permit. Village Project Manager: Terry White
Hoffman Plaza Higgins and Roselle 1001-1067 Roselle Road	Site work nearing completion. Remainder of sanitary sewer and water main work ongoing. Completion of stormwater detention facilities nearly complete. Village Project Manager: Terry White
Main Event Prairie Stone 2575 Pratum Avenue	Awaiting modifications to bio-retention basin. Village Project Manager: Terry White
Petro Auto 1300 West Higgins Road	Site work is ongoing. Village Project Manager: Terry White
Route 58 AutoWash 105 East Golf Road	Awaiting project guarantee and IDOT permit. Village Project Manager: Alan Wenderski
Shell – Ricky Rocket's 2590 Golf Road	Awaiting project guarantee and IDOT permit. MWRD permit approved. Village Project Manager: Terry White
Trumpf H90 1900 West Central Road	Awaiting As-built drawings. Village Project Manager: Terry White

RESIDENTIAL PROJECTS	
PROJECT NAME	DESCRIPTION
Airdrie Estates NE Corner of McDonough Road and Rohrssen Road	Staff has reviewed on commented permit plat submittal for Lot 2. ComEd installed electric infrastructure. Village Project Manager: Terry White / Oscar Gomez
Amber Meadows NE Corner of Essex Drive and Beacon Pointe Drive	Sidewalk installation along Essex Drive and Essex Drive median opening work ongoing. Multiple lots under construction. Village Project Manager: Oscar Gomez

RESIDENTIAL PROJECTS	
PROJECT NAME	DESCRIPTION
Bergman Pointe NW Corner of Ela Road and Algonquin Road	Home building ongoing. Awaiting start of work for Ela/Algonquin traffic signal improvements and completion of Ela Road path. Village Project Manager: Terry White
Bradwell Estates	Item to September 25 th PW&U Committee for public acceptance. Village Project Manager: Terry White
Devonshire Woods SW Corner of Shoe Factory Road and Essex Drive	Home building ongoing. Village Project Manager: Terry White / Oscar Gomez
Shannon Estates (Village of Schaumburg)	Single family home development in Village of Schaumburg on the south side of Thacker Street between Roselle Road and Pleasant Street. Village street light installation complete. Village Project Manager: Terry White

2017 Street Revitalization Project Schedule Update: (September 18, 2017)

RECONSTRUCTION STREETS	Start Date	Pre-Construction			Construction												Landscaping		Percent Complete	
		Layout	Tree Root Pruning	Sawcutting	Concrete Removal	Asphalt Removal	Earth Removal	Excavation	Sub base Backfill	Storm Sewer	Curb & Gutter	Driveway Aprons	Sidewalks	Fine Grading	Asphalt Binder	Asphalt Surface	Striping	Backfill Topsoil		Sod & Seed
1. CARDIGAN PLACE Hassell Rd to End of Street	5/10/2017		n/a																	100%
2. CHANDLER LANE Cumberland St to Arizona Blvd	7/5/2017		n/a								n/a									71%
3. CRESCENT COURT Crescent Ln to End of Street	5/15/2017		n/a														n/a			100%
5. GLEN LAKE ROAD - PHASE I Hermitage Ln to Fairfield Ln (N)	5/2/2017		n/a																	100%
6. GLEN LAKE ROAD - PHASE II Fairfield Ln (N) to Fairfield Ln (S)	5/23/2017		n/a																	79%
7. GLEN LAKE ROAD - PHASE III Fairfield Ln (S) to Higgins Rd	6/20/2017		n/a																	79%
8. LOMBARDY COURT Lombardy Ln to End of Street	8/2/2017																			64%
9. NEWCASTLE LANE - PHASE I Oakmont Rd to Kingsdale Rd	7/25/2017																			64%
10. NEWCASTLE LANE - PHASE II Kingsdale Rd to Fairmont Rd	6/6/2017																			64%
11. RIDGEWOOD LANE Parkside Dr to Whispering Trails Dr	8/1/2017																			64%
12. WHISPERING TRAILS COURT Whispering Trails Dr to End of Street	8/1/2017																			64%
																				In Progress
																				Completed

¹Tentative / Actual

Definition of Construction Steps:

- Layout: Village engineers evaluate existing conditions, determine removals, and complete construction staking.
- Tree Root Pruning: A circular saw machine cuts tree roots to reduce damage to the tree during construction.
- Saw Cutting: A circular saw machine cuts the concrete and asphalt at construction joints.
- Concrete Removal: The contractor removes existing sidewalk, curb and gutter, and driveway aprons that will be replaced.
- Asphalt Removal: The contractor either uses a backhoe or milling machine to remove existing asphalt layers.
- Earth Excavation: Removal of the all materials located below the existing road to a stabilized subgrade.
- Sub base Backfill: The installation of stone to a depth of 8"-12" with a layer of geotextile fabric.
- Storm Sewer: Repair and replacement of existing storm sewer structures and pipes.
- Curb & Gutter: The installation of concrete curb & gutter utilizing mechanical equipment or hand tools.
- Driveway Aprons: The replacement of asphalt and concrete driveway aprons.
- Sidewalks: The replacement of concrete public sidewalks.
- Fine Grading: The shaping of the stone sub base to ensure drainage, compaction, and elevation.
- Asphalt Binder: The first layer of asphalt
- Asphalt Patching: Repair of localized pavement failures on resurfacing streets.
- Asphalt Surface: The final layer of asphalt.
- Striping: Completion of permanent pavement striping.
- Backfill Topsoil: Placement of topsoil to areas that have been disturbed during construction.
- Sod & Seed: Placement of sod and seed to areas that have been disturbed during construction.

2017 Street Revitalization Project Schedule Update: (September 18, 2017)

RESURFACING STREETS	Start Date	Pre-Construction			Construction										Landscaping		Percent Complete	
		Layout	Tree Root Pruning	Sawcutting	Concrete Removal	Asphalt Removal	Storm Sewer	Curb & Gutter	Driveway Aprons	Sidewalks	Asphalt Patching	Asphalt Level Binder	Asphalt Surface	Striping	Backfill	Seed		
1. ABERDEEN STREET Thacker St to Arlington St	7/5/2017																	82%
2. ASH ROAD Higgins Rd to Golf Rd	7/19/2017		n/a		n/a				n/a									100%
3. BISON LANE Caribou Ln (S) to Caribou Ln (N)	7/21/2017		n/a						n/a					n/a				100%
4. CARIBOU LANE Angouleme Ln to Bison Ln (N)	7/21/2017		n/a						n/a					n/a				100%
5. DUKESBERRY LANE Castaway Ln to Castaway Ln	9/7/2017																	
6. FALCON LANE Mallard Ln to Fox Path Ln	7/21/2017		n/a											n/a				100%
7. FIRESTONE DR Winston Dr to Harrison Ln	8/22/2017													n/a				45%
8. FORBS AVENUE Marriott Driveway to Higgins Rd	8/7/2017		n/a											n/a				78%
9. FREMONT ROAD Highland Blvd to Hillcrest Blvd	5/22/2017													n/a				100%
10. GANNON COURT Cannon Dr to End of Street	6/29/2017		n/a															100%
11. GLENDALE LN Mohave St to Illinois Blvd	7/5/2017																	92%
12a. HIGHLAND BLVD - East Side Golf Rd to Jones Rd	5/2/2017																	100%
12b. HIGHLAND BLVD - West Side Golf Rd to Jones Rd	5/12/2017																	100%
13. MILTON LN Bristol Ln to Washington Blvd	6/13/2017																	100%
14. NEWPORT ROAD N Hillcrest Blvd to Larchmont Rd	5/30/2017													n/a				100%
15. PAYSON STREET Paris Ln to Milton Ln	6/13/2017																	100%
16. PORTAGE LANE Sturbridge Dr to Sturbridge Dr	8/21/2017													n/a				45%
17. STONEHARBOR COURT Sturbridge Dr to End of Street	9/7/2017		n/a															
18. STURBRIDGE COURT Sturbridge Dr to End of Street	9/7/2017		n/a															
Tentative / Actual																		
All resurfacing streets to be completed within 30 days of start date																		
															Completed		In Progress	