



United City of Yorkville

800 Game Farm Road

Yorkville, Illinois 60560

Telephone: 630-553-4350

www.yorkville.il.us

AGENDA PUBLIC WORKS COMMITTEE MEETING

Tuesday, February 19, 2019

6:00 p.m.

City Hall Conference Room
800 Game Farm Road, Yorkville, IL

Citizen Comments:

Minutes for Correction/Approval: January 15, 2019

New Business:

1. PW 2019-09 Snow Operations Report
2. PW 2019-10 Water Department Reports for October, November and December 2018
3. PW 2019-11 Downtown Train Track Gates
4. PW 2019-12 Windett Ridge Bond Release

Old Business:

1. PW 2018-102 East Alley and Van Emmon

Additional Business:

2018/2019 City Council Goals – Public Works Committee		
Goal	Priority	Staff
“Road to Better Roads Funding”	5	Bart Olson, Eric Dhuse & Rob Fredrickson
“Water Planning”	6	Eric Dhuse & Brad Sanderson
“Municipal Building Needs & Planning”	7	Bart Olson, Eric Dhuse, Rob Fredrickson, Tim Evans & Erin Willrett
“Traffic Patrol”	9	Eric Dhuse & Rich Hart
“Whispering Meadows”	10	Bart Olson & Brad Sanderson
“Vehicle Replacement”	12	Bart Olson, Eric Dhuse, Rob Fredrickson, Rich Hart & Tim Evans
“Water Conservation Plan”	14	Eric Dhuse & Brad Sanderson
“Capital Improvement Plan”	16	Eric Dhuse, Rob Fredrickson & Brad Sanderson

UNITED CITY OF YORKVILLE
WORKSHEET
PUBLIC WORKS COMMITTEE
Tuesday, February 19, 2019
6:00 PM
CITY HALL CONFERENCE ROOM

CITIZEN COMMENTS:

MINUTES FOR CORRECTION/APPROVAL:

1. January 15, 2019

- ☐ Approved _____
- ☐ As presented
- ☐ With corrections

NEW BUSINESS:

1. PW 2019-09 Snow Operations Report

- ☐ Moved forward to CC _____ consent agenda? Y N
 - ☐ Approved by Committee _____
 - ☐ Bring back to Committee _____
 - ☐ Informational Item
 - ☐ Notes _____
-
-

2. PW 2019-10 Water Department Reports for October, November and December 2018

☐ Moved forward to CC _____ consent agenda? Y N

☐ Approved by Committee _____

☐ Bring back to Committee _____

☐ Informational Item

☐ Notes _____

3. PW 2019-11 Downtown Train Track Gates

☐ Moved forward to CC _____ consent agenda? Y N

☐ Approved by Committee _____

☐ Bring back to Committee _____

☐ Informational Item

☐ Notes _____

4. PW 2019-12 Windett Ridge Bond Release

☐ Moved forward to CC _____ consent agenda? Y N

☐ Approved by Committee _____

☐ Bring back to Committee _____

☐ Informational Item

☐ Notes _____

OLD BUSINESS:

1. PW 2018-102 East Alley and Van Emmon

☐ Moved forward to CC _____ consent agenda? Y N

☐ Approved by Committee _____

☐ Bring back to Committee _____

☐ Informational Item

☐ Notes _____

ADDITIONAL BUSINESS:



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input type="checkbox"/>
Human Resources	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

Minutes

Tracking Number

Agenda Item Summary Memo

Title: Minutes of the Public Works Committee – January 15, 2019

Meeting and Date: Public Works Committee – February 19, 2019

Synopsis: _____

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: Majority

Council Action Requested: Committee Approval

Submitted by: Minute Taker

Name

Department

Agenda Item Notes:

Have a question or comment about this agenda item?

Call us Monday-Friday, 8:00am to 4:30pm at 630-553-4350, email us at agendas@yorkville.il.us, post at www.facebook.com/CityofYorkville, tweet us at @CityofYorkville, and/or contact any of your elected officials at <http://www.yorkville.il.us/320/City-Council>

DRAFT

**UNITED CITY OF YORKVILLE
PUBLIC WORKS COMMITTEE
Tuesday, January 15, 2019, 6:00pm
Yorkville City Hall, Conference Room
800 Game Farm Road**

IN ATTENDANCE:

Committee Members

Chairman Joel Frieders
Alderman Ken Koch

Alderman Jackie Milschewski

Absent: Alderman Seaver Tarulis

Other City Officials

City Administrator Bart Olson
Assistant City Administrator Erin Willrett
Alderman Chris Funkhouser

Public Works Director Eric Dhuse
Engineer Brad Sanderson, EEI

Other Guests:

Marc Lewan, Rowdy's

Dan Ruther, Original Southbank Bar-B-Que

The meeting was called to order at 6:00pm by Chairman Joel Frieders.

Citizen Comments: None

Chairman Frieders amended the agenda to move Item #2 “East Alley and Van Emmon” from Old Business to the top of the agenda.

Old Business: (out of sequence)

2. PW 2-18-102 East Alley and Van Emmon

Mr. Dhuse and Mr. Lewan had discussed ideas regarding traffic flow in the alley between Hydraulic and Van Emmon east of Rt. 47. When YPAC is holding classes, the traffic tends to stack on Van Emmon while cars wait to turn left into the alley. A suggestion was made to make an entrance east of the Farm Bureau building and have drivers exit onto Van Emmon. Chairman Frieders noted a possible blind corner near the Farm Bureau building. Other suggestions were made including Van Emmon as the exit and an entrance/exit east of the Farm Bureau building, however, some parking spots may be lost due to sight lines. The power poles in the parking lot need to be considered as well. Another suggestion was to enter by the Farm Bureau or Heustis, make a circle to exit or pave an area by Casa Santiago for an exit.

Chairman Frieders asked to have all options presented side by side with costs included. Lighting for the area was also discussed and Mr. Dhuse will check with Com Ed about securing lease agreements to mount lights on their poles. This will come back to committee next month.

Previous Meeting Minutes: December 18, 2018 (out of sequence)

The minutes were approved as presented.

New Business:

1. PW 2019-01 Snow Operations Report

Mr. Dhuse said there were only two snow events for the month and two more since this report. There has been some trouble with some snow removal equipment which is being repaired. An additional employee will be coming on board soon.

2. PW 2019-02 Capital Improvement Summary

This is the quarterly report and there was no discussion.

3. PW 2019-03 Quarterly Bond and Letter of Credit Reduction Summary

Mr. Sanderson said there was no activity in the last quarter. No further action.

4. PW 2019-04 Riverfront and Bristol Bay Parking Improvements – Change Order No. 1

This is a balancing change order that reduces the amount by about \$3,000 on a \$270,000 contract. No further discussion.

5. PW 2019-05 Autumn Creek – Unit 2C Bond Release

Mr. Sanderson said all improvements have been made and he recommended full release of the bond. This moves to the Council consent agenda.

6. PW 2019-06 Bristol Bay – Unit 11 Bond Release

All punchlist items have been completed and Mr. Sanderson recommended full release. This also moves to the Council consent agenda.

7. PW 2019-07 MFT Resolution for 2019 Road to Better Roads Program

This is the annual resolution needed by IDOT to allocate funds. Mr. Sanderson recommended approval and it will be sent to IDOT after the Council approves it. March is the tentative award of funds. Mr. Dhuse said there is a small sliver of land by Casey's that goes into the township which the city will maintain. A larger dollar amount will be discussed for the 2020 budget discussions. This resolution moves to the Council consent agenda.

8. PW 2019-08 Cannonball Trail and Kennedy Road Speed Study

Mr. Olson said there is a proposal from EEI to do a full speed study on these roads, however, it is not budgeted. Alderman Frieders commented that motorists will drive whatever speed they want, not what is posted and he has reservations about authorizing money for a full study. Mr. Funkhouser and Ms. Milschewski agreed. Alderman Milschewski pointed out that much of the traffic on these roads is generated from drivers trying to avoid the construction areas and that a study at this time might be skewed. Mr. Olson said a study is needed at some point and the committee decided to postpone the traffic study and bring the matter back to committee at a later time.

Old Business:

1. PW 2018-101 Cannonball Trail Safety Analysis

There was a request at a previous meeting to add some additional signage and a 3-foot paved shoulder to Cannonball Trail at the curve. Rumble strips were also discussed. Mr. Sanderson said the estimated cost for these solutions is \$59,000 to \$60,000. Mr. Olson said The Police Chief also had some ideas and also called for more patrol. Solar-powered speed signs are being purchased that will register driving speed, vehicle counts, etc. Mr. Olson will advise the Aldermen when the signs are being delivered. It was decided to proceed with the traffic speed signs, discuss further ideas with the Police Chief and move forward with minor fixes, but no costly road projects at this time.

Additional Business:

Chairman Frieders asked for additional “no parking” signs on the east side of Allan Dale Rd. between Redbud and Honeysuckle. He requested this due to a recent near miss accident.

Mr. Olson briefly mentioned a Blackberry Woods letter of credit call authorized by the City Council. He said the developer has not responded and the City Attorney has been advised.

There was no further business and the meeting was adjourned at 7:10pm.

Minutes respectfully transcribed by
Marlys Young, Minute Taker



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Human Resources	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #1

Tracking Number

PW 2019-09

Agenda Item Summary Memo

Title: Snow Operations Report February 2019

Meeting and Date: Public Works Committee – February 19, 2019

Synopsis: _____

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: None

Council Action Requested: Informational only

Submitted by: Eric Dhuse Public Works
Name Department

Agenda Item Notes:



Memorandum

To: Public Works Committee
 From: Eric Dhuse, Director of Public Works
 CC: Bart Olson, Administrator
 Date: February 13, 2019
 Subject: February Snow Operations Report

Summary

Below please find the monthly report for snow removal operations. I have also included salt and brine data that we have gathered from our trucks.

Background

This month more than made up for the last one. We did nothing but plow, salt and repair equipment.

January winter operations that were performed since the last report were on the following dates: 12, 14, 19, 20, 22, 23, 24, 25, 26, 28, and 31.

February winter operations up to and including the 13th were on the following dates: 1, 5, 10, 11, 12, and 13.

During these operations, the public works and parks departments have dealt with some of the coldest temperatures on record, multiple ice storms, and dramatic temperature swings that result in multiple plowing and salting passes for one event. Our employees have done an incredible job of keeping the streets in great shape overall, but also making sure that the parking lots, and building sidewalks are cleared and safe for our residents and patrons. All of the employees have put in very long hours on many days to make sure that everyone else can get where they need to go safely.

I have compiled the entire months data into one spreadsheet for your review.

Snow Event Date	1/12-2/13	MONTHLY TOTALS								
Date of Recording	2/13/2019									
Recorder	ED									
Route	Truck ID	Total Miles Driven	Average MPH	Lbs of Salt Used	Tons of Salt Used	Lbs of Salt/Mi.	Gallons of Brine Used	Gal Brine/Ton Salt	Salt Miles	Brine Miles
1	9	1428.30	14.84	273300.00	136.65	396.09	1454.00	10.64	690.00	645.00
2	27	1372.50	13.28	303017.00	151.51	404.02	3108.00	20.51	750.00	636.00
3	13	1356.50	13.08	250647.00	125.32	360.64	2186.00	17.44	695.00	681.00
4	23	1157.80	11.68	253317.00	126.66	397.67	1781.00	14.06	637.00	616.00
5	10	441.90	6.12	116966.00	58.48	453.36	32.00		258.00	258.00
6	28	1304.00	6.94	275839.00	137.92	506.13	1208.00	8.76	545.00	471.00
7	22	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00
8	11	1400.10	12.34	336303.00	168.15	417.25	1969.00	11.71	806.00	648.00
EVENT TOTALS		8461	9.79	1809389	905	419.31	11738	13.85	4381	3955
			Avg.			Avg.		Avg.		
Additional tons of salt estimated to be used by truck 22					136					
Additional tons of salt estimated to be used by one ton trucks					130					
TOTAL ESTIMATED SALT USAGE					1171					

As you can see in the table, we used almost 1200 tons of salt in a month. That is only 200 tons less than I had ordered for the entire year. Thankfully, we were able to carry over some salt from last year and had 1000 tons in storage for just this type of scenario. We have currently used approximately 300 tons of our salt that was in storage, leaving us an additional 700 tons available to us on an as needed basis. Our current supply at the shop is approximately 400 tons and we have the ability to order an additional 260 tons at our contract price. I believe that we will have enough salt to get through this winter with some to spare. We may want to look at purchasing salt during the off season if the price is reasonable to be able to replenish our stock pile at the county facility. If the prices drop near what the contract prices were, we are looking at \$15,000 put us back at capacity in storage.

Fleet Status

Y10- out for at least 10 more days. Engine trouble that is being repaired right now. Cost estimate is \$3500.00

Y 28 – can only be used for a salt truck at this time due to a broken transmission bell housing. This is at least the third time this has happened to this truck. It is a known problem with that year's truck that International did not stand behind even though they came out with an aftermarket stabilizer kit to help prevent this issue. We are not taking this truck in for repair until we get the other one back. We cant afford to be down 2 large salt trucks at this time. Cost estimate unknown at this time.

Y22 – We have been trying to get this truck completed since December. We have had trouble with the vendor that built our system to get us the wiring harness that will allow us to complete the build of the brine tank insert system. This was the slide in tank that will allow us to anti-ice up to 3 lanes at a time along with spreading salt and pre wetting applications. In addition, this unit slides in and out of the truck to allow us to use the truck for other purposed during the winter. At this time, we have installed a work around that will allow us to spread salt, but not anti – ice nor record any of the data. We will continue to try and get the needed wiring to complete this project.

All other trucks have had their share of required maintenance due to constant use, but at this time are functional.

Recommendation

I would ask that this be placed on the February 19, 2019 Public Works Committee meeting as an informational item. If you have any questions or need further information, please let me know.



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input type="checkbox"/>
Human Resources	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #2

Tracking Number

PW 2019-10

Agenda Item Summary Memo

Title: Water Department Reports for October, November, and December 2018

Meeting and Date: Public Works Committee – February 19, 2019

Synopsis: Monthly water reports.

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: Majority

Council Action Requested: Approval

Submitted by: Eric Dhuse Public Works
Name Department

Agenda Item Notes:



United City of Yorkville

WATER DEPARTMENT REPORT

OCTOBER 2018
MONTH / YEAR

WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
3				Abandoned
4	1386	664	384	17,010,000
7	1527	1125	563	7,838,000
8	1375	840	490	11,078,000
9	1353	867	522	11,427,000
TOTAL TREATED				43,261,000

CURRENT MONTH'S PUMPAGE IS 8,445,000 GALLONS **LESS THAN LAST MONTH**

1,065,000 GALLONS **LESS THAN LAST YEAR**

DAILY AVERAGE PUMPED: 1,528,000 GALLONS

DAILY MAXIMUM PUMPED: 2,266,000 GALLONS

DAILY AVERAGE PER CAPITA USE: 77.53 GALLONS

WATER TREATMENT:

CHLORINE: 1,647 LBS. FED

CALCULATED CONCENTRATION: 4.56 MG/L

FLUORIDE 220 LBS. FED

CALCULATED CONCENTRATION: 0.11 MG/L

POLYPHOSPHATE: 1,227 LBS. FED

CALCULATED CONCENTRATION: 1.19 MG/L

WATER QUALITY:

BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:
 SATISFACTORY 0 UNSATISFACTORY (EXPLAIN)

FLUORIDE: SAMPLES TAKEN

CONCENTRATION: MG/L

MAINTENANCE:

NUMBER OF METERS REPLACED:
MXU'S:

NUMBER OF LEAKS OR BREAKS REPAIRED:
BATTERIES REPLACED:

NEW CUSTOMERS:

RESIDENTIAL:

COMMERCIAL:

INDUSTRIAL/GOVERNMENTAL:

COMMENTS:



United City of Yorkville

WATER DEPARTMENT REPORT

NOVEMBER 2018
MONTH / YEAR

WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
3				Abandoned
4	1386	664	384	14,732,000
7	1527	1125	563	7,022,000
8	1375	840	490	11,682,000
9	1353	867	522	10,062,000
TOTAL TREATED				40,164,000

CURRENT MONTH'S PUMPAGE IS 3,854,000 GALLONS **LESS THAN LAST MONTH**

1,923,000 GALLONS **LESS THAN LAST YEAR**

DAILY AVERAGE PUMPED: 1,450,000 GALLONS

DAILY MAXIMUM PUMPED: 2,342,000 GALLONS

DAILY AVERAGE PER CAPITA USE: 68.19 GALLONS

WATER TREATMENT:

CHLORINE: 1,180 LBS. FED

CALCULATED CONCENTRATION: 3.52 MG/L

FLUORIDE 153 LBS. FED

CALCULATED CONCENTRATION: 0.10 MG/L

POLYPHOSPHATE: 1,163 LBS. FED

CALCULATED CONCENTRATION: 1.22 MG/L

WATER QUALITY:

BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:
 SATISFACTORY 0 UNSATISFACTORY (EXPLAIN)

FLUORIDE: SAMPLES TAKEN

CONCENTRATION: MG/L

MAINTENANCE:

NUMBER OF METERS REPLACED:
MXU'S:

NUMBER OF LEAKS OR BREAKS REPAIRED:
BATTERIES REPLACED:

NEW CUSTOMERS:

RESIDENTIAL: COMMERCIAL: INDUSTRIAL/GOVERNMENTAL:

COMMENTS:



United City of Yorkville

WATER DEPARTMENT REPORT

DECEMBER 2018
MONTH / YEAR

WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
3				Abandoned
4	1386	664	384	16,112,000
7	1527	1125	563	7,201,000
8	1375	840	490	11,932,000
9	1353	867	522	10,449,000
TOTAL TREATED				45,694,000

CURRENT MONTH'S PUMPAGE IS 2,196,000 GALLONS **MORE THAN LAST MONTH**

155,000 GALLONS **LESS THAN LAST YEAR**

DAILY AVERAGE PUMPED: 1,474,000 GALLONS

DAILY MAXIMUM PUMPED: 2,496,000 GALLONS

DAILY AVERAGE PER CAPITA USE: 71.58 GALLONS

WATER TREATMENT:

CHLORINE: 1,092 LBS. FED

CALCULATED CONCENTRATION: 3.11 MG/L

FLUORIDE 72 LBS. FED

CALCULATED CONCENTRATION: 0.06 MG/L

POLYPHOSPHATE: 1,106 LBS. FED

CALCULATED CONCENTRATION: 1.10 MG/L

WATER QUALITY:

BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:

 SATISFACTORY 0 UNSATISFACTORY (EXPLAIN)

FLUORIDE: SAMPLES TAKEN

CONCENTRATION: MG/L

MAINTENANCE:

NUMBER OF METERS REPLACED:
MXU'S:

NUMBER OF LEAKS OR BREAKS REPAIRED:
BATTERIES REPLACED:

NEW CUSTOMERS:

RESIDENTIAL:

COMMERCIAL:

INDUSTRIAL/GOVERNMENTAL:

COMMENTS:



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Human Resources	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #3

Tracking Number

PW 2019-11

Agenda Item Summary Memo

Title: Downtown Train Track Gates

Meeting and Date: Public Works Committee – February 19, 2019

Synopsis: A discussion will take place at the meeting.

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: _____

Council Action Requested: _____

Submitted by: Bart Olson Administration
Name Department

Agenda Item Notes:



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Human Resources	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #5

Tracking Number

PW 2019-13

Agenda Item Summary Memo

Title: Windett Ridge

Meeting and Date: Public Works Committee – February 19, 2019

Synopsis: Subdivision Bond Release

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: Majority

Council Action Requested: Consideration of Approval

Submitted by: Brad Sanderson Engineering
Name Department

Agenda Item Notes:



Memorandum

To: Bart Olson, City Administrator
From: Brad Sanderson, EEI
CC: Eric Dhuse, Director of Public Works
Krysti Barksdale-Noble, Community Dev. Dir.
Lisa Pickering, Deputy City Clerk

Date: February 4, 2019
Subject: Windett Ridge

The one-year warranty period for the improvements previously accepted in Windett Ridge has expired.

The developer has completed all outstanding items noted in our December 14, 2018 punchlist letter with the exception of the shared use path repair. In lieu of making the repairs, the developer has offered to provide the City cash in the amount of \$3,812.50 so that City staff can make the repairs. This is acceptable to City staff.

Once the payment has been received, we are in support of releasing the maintenance bond (Lexon Insurance Co. #1155514) in the amount of \$66,478.00.

If you have any questions or require additional information, please let us know.

SUBDIVISION MAINTENANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That CalAtlantic Homes
as **Principal**, hereinafter called Contractor

and Lexon Insurance Company
as **Surety**, hereinafter called Surety,
are held and firmly bound unto the United City of Yorkville, an Illinois municipal corporation,
800 Game Farm Road, Yorkville, Illinois, 60560, as **Obligee**, hereinafter called City, in the penal
sum of Sixty Six Thousand Four Hundred * (\$ 66,478.00), for payment whereof
Contractor and Surety bind themselves, and their respective heirs, executors, administrators,
successors and assigns, jointly and severally, by this obligation.

WHEREAS, the Contractor has constructed certain public improvements for lots within a
subdivision commonly known as Windett Ridge
and as more particularly described and designated on the plat of said property, said plat being
incorporated herein and made a part hereof by reference thereto; and,

WHEREAS, the aforementioned public improvements were made pursuant to certain plans and
specifications on file with the City and the City's Subdivision Control Ordinance, both made a
part hereof by reference thereto; and,

WHEREAS, the Contractor has requested the City accept the public improvements pursuant to
Section 11-5-2 of the City's Subdivision Control Ordinance that requires in Section 11-5-3 the
Contractor to post with the City this bond in the amount of ten percent of the improvements to
guarantee the maintenance and performance of the improvements to properly function as
designed and to remain free of defects in material, workmanship and installation for a period of
one year from the date of approval by the City accepting the improvements.

NOW, THEREFORE, the condition of this obligation is such that, if the Principal shall perform
the obligations in accordance with the ordinances, standards and requirements of the City and
shall fully indemnify and save harmless the City from all cost and damage which the City may
suffer by reason of failure on the Principal's part, not to exceed the penal sum of this bond, then
this obligation shall be void, otherwise to remain in full force and effect.

PROVIDED the City shall notify the Principal in writing of any defect for which the Principal is
responsible and shall specify in said notice a period of time in which Principal shall have to
correct said defect.

The Surety unconditionally covenants and agrees that if the Principal fails to correct said defects,
within the time specified, the Surety, upon 30 days certified mail notice to the address above

from the City of the defect will correct such defect or defects and pay all City expenditures and obligations thereof, including, but not limited to construction costs and consultant fees.

Should the Surety fail or refuse to correct the defects, the City in consideration of the public health, welfare and safety and in approving and accepting said improvements shall have the right to resort to any and all legal remedies against the Principal and Surety, both at law and in equity, including specifically repair or replacement of said improvements to which the Principal and surety unconditionally agree.

The City, at its option, shall have the right to correct said defects resulting from faulty materials or workmanship, or, pursuant to bidding cause to be corrected any said defects in case the Principal shall fail or refuse to do so, and in the event the City should exercise and give effect to such right, the Principal and Surety shall be jointly and severally bound hereunder to reimburse the City the total cost thereof, including, but not limited to, engineering, legal and contingent cost, together with any damages which may be sustained on account of the failure of the Principal to correct said defects.

The City shall have no obligation to actually incur any cost or correct any deficient performance of the Principal in order to be entitled to receive the proceeds of this bond for any defect.

IN WITNESS WHEREOF, the Principal and Surety have executed this bond this 15th day of December, 2017.

Principal
CalAtlantic Homes

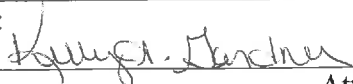
By:

 OIR v.1.

Surety:

Lexon Insurance Company

By:



Kelly A. Gardner,

Attorney-in-fact

Attach standard form showing Attorney-in-fact authorization

POWER OF ATTORNEY

LX- 309165

Lexon Insurance Company

KNOW ALL MEN BY THESE PRESENTS, that **LEXON INSURANCE COMPANY**, a Texas Corporation, with its principal office in Louisville, Kentucky, does hereby constitute and appoint James I Moore, Bonnie Kruse, Stephen T. Kazmer, Dawn L. Morgan, Kelly A. Gardner, Elaine Marcus, Jennifer J. McComb, Melissa Schmidt, Tariese M. Pisciotto, Diane Rubright, Tiffany Cunniff its true and lawful Attorney(s)-In-Fact to make, execute, seal and deliver for, and on its behalf as surety, any and all bonds, undertakings or other writings obligatory in nature of a bond.

This authority is made under and by the authority of a resolution which was passed by the Board of Directors of **LEXON INSURANCE COMPANY** on the 1st day of July, 2003 as follows:

Resolved, that the President of the Company is hereby authorized to appoint and empower any representative of the Company or other person or persons as Attorney-In-Fact to execute on behalf of the Company any bonds, undertakings, policies, contracts of indemnity or other writings obligatory in nature of a bond not to exceed \$8,000,000 Eight Million dollars, which the Company might execute through its duly elected officers, and affix the seal of the Company thereto. Any said execution of such documents by an Attorney-In-Fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company. Any Attorney-In-Fact, so appointed, may be removed for good cause and the authority so granted may be revoked as specified in the Power of Attorney.

Resolved, that the signature of the President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Assistant Secretary, and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power or certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certificate so executed and sealed shall, with respect to any bond of undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS THEREOF, **LEXON INSURANCE COMPANY** has caused this instrument to be signed by its President, and its Corporate Seal to be affixed this 5th day of August, 2015.



LEXON INSURANCE COMPANY

BY

David E. Campbell
President

ACKNOWLEDGEMENT

On this 5th day of August, 2015, before me, personally came David E. Campbell to me known, who be duly sworn, did depose and say that he is the President of **LEXON INSURANCE COMPANY**, the corporation described in and which executed the above instrument; that he executed said instrument on behalf of the corporation by authority of his office under the By-laws of said corporation.



AMY TAYLOR
Notary Public- State of Tennessee
Davidson County
My Commission Expires 07-08-19

BY

Amy Taylor
Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of **LEXON INSURANCE COMPANY**, A Texas Insurance Company, DO HEREBY CERTIFY that the original Power of Attorney of which the forgoing is a true and correct copy, is in full force and effect and has not been revoked and the resolutions as set forth are now in force.

Signed and Seal at Mount Juliet, Tennessee this 15th Day of December, 2017.



BY

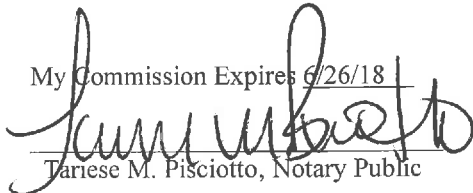
Andrew Smith
Assistant Secretary

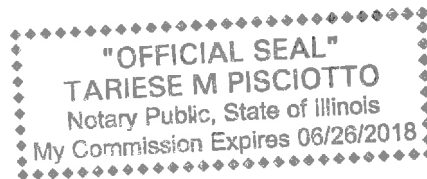
"WARNING: Any person who knowingly and with intent to defraud any insurance company or other person, files and application for insurance of claim containing any materially false information, or conceals for the purpose of misleading, information concerning any fact material thereto, commits a fraudulent insurance act, which is a crime and subjects such person to criminal and civil penalties."

State of Illinois }
 } ss.
County of DuPage }

On December 15, 2017, before me, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared Kelly A. Gardner known to me to be Attorney-in-Fact of Lexon Insurance Company the corporation described in and that executed the within and foregoing instrument, and known to me to be the person who executed the said instrument in behalf of the said corporation, and he duly acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year stated in this certificate above.

My Commission Expires 6/26/18

Tariese M. Pisciotto, Notary Public





December 14, 2018

Ms. Krysti Barksdale-Noble
Community Development Director
United City of Yorkville
800 Game Farm Road
Yorkville, IL 60560

**Re: Windett Ridge Subdivision – Punch List
United City of Yorkville
Kendall County, Illinois**

Krysti:

Representatives of Engineering Enterprises, Inc. (EEI) performed a punch list inspection for the status of the one-year maintenance period for the above referenced project. Our comments are as follows:

General

1. All punchlist items associated with the north and south storm water management basins are satisfied. Encap on behalf of the City, conducted a recent field visit on the south basin and has recommended acceptance of the basin. Their report is attached.

The HOA should plan to maintain beginning in 2019.

2. EEI staff field inspected and video recorded the condition of the limestone path on November 15, 2018. As of the visit, all items associated with the path are now complete.

The HOA should plan to maintain beginning in 2019.

Water

2. The b-box at 601 Windett Ridge Road should be raised to grade and the area restored.

Roadway

3. The street light at Caulfield Point Island has minor cracks at the base and should be replaced.
4. The sidewalk at 642 Kentshire Drive has one square that has been severely damaged and should be replaced (See attached Picture).
5. The following addresses had sidewalk removal and replacement and should to be backfilled along the sidewalk and parkway and restored with seed, fertilizer and hydro mulch: 2551 Fairfax Way, 591 Windett Ridge Road.

Shared Use Path

6. The paved shared use trail south of Fairfax Way is in poor condition and needs to be replaced.

The one-year maintenance period was set to expire on October 24th of this year. The work as noted above is not complete. The developer should provide us with a schedule to complete the remaining work.

If you have any questions or if you require additional information, please call.

Very truly yours,

ENGINEERING ENTERPRISES, INC.

A handwritten signature in black ink, appearing to read 'BPS', followed by a long horizontal line extending to the right.

Bradley P. Sanderson, P.E.
Vice President

BPS/nls

pc: Mr. Bart Olson, City Administrator (via e-mail)
Ms. Erin Willrett, Assistant City Administrator (via e-mail)
Mr. Eric Dhuse, Director of Public Works (via e-mail)
Mr. Tim Evans, Director Parks & Recreation (via e-mail)
Ms. Lisa Pickering, Deputy Clerk (via e-mail)
Ms. Kathleen Field Orr, City Attorney (via e-mail)
Mr. Gregory Neumann, Lennar (via e-mail)
Mr. Al Eriksson, Lennar (via e-mail)
Ms. Kelly Gardner, Lexon Insurance Company
JAM, NLS EEI (via e-mail)



Engineering Enterprises, Inc.

WINDETT RIDGE – PUNCH LIST 03
Page 1 of 4



601 WINDETT RIDGE B-BOX TO
BE RAISED TO GRADE



CRACKED STREET LIGHT
POLE AT CAULFIELD POINT



Engineering Enterprises, Inc.

WINDETT RIDGE – PUNCH LIST 03
Page 2 of 4



DAMAGED SIDEWALK AT
642 KENTSHIRE DRIVE TO BE
REMOVED AND REPLACED



2551 FAIRFAX WAY TO BE
BACKFILLED AND RESTORED



Engineering Enterprises, Inc.

WINDETT RIDGE – PUNCH LIST 03
Page 3 of 4



591 WINDETT RIDGE WAY TO
BE BACKFILLED AND
RESTORED



HMA SHARED USE PATH –
SOUTH OF FAIRFAX WAY



Engineering Enterprises, Inc.

WINDETT RIDGE – PUNCH LIST 03
Page 4 of 4



HMA SHARED USE PATH –
SOUTH OF FAIRFAX WAY



HMA SHARED USE PATH –
SOUTH OF FAIRFAX WAY

December 4, 2018

United City of Yorkville
c/o Nadia Simek, P.E.
Engineering Enterprises, Inc.
52 Wheeler Road
Sugar Grove, Illinois 60554

RE: Windett Ridge Naturalized Basin Punchlist Items

Dear Ms. Simek,

ENCAP, Inc. was requested to review to-date monitoring reports, 2018 growing season photos and existing site conditions for the naturalized basin located within the Windett Ridge community, Yorkville, Illinois. ENCAP, Inc. issued a punchlist on October 11, 2017 detailing the items necessary to complete prior to turnover. A review of these items based on a review of materials to-date is below:

- Reed canary grass (*Phalaris arundinacea*) is a highly invasive species that is present throughout the basin. The ideal time to treat this species is in the Spring before it is allowed to set seed. It appears that some action may have been taken regarding this species, however treatments will be required in Spring of 2018. The vegetative coverage and effectiveness of treatment will be evaluated after the Spring treatments have occurred.
Treatment of this species occurred during the 2018 growing season per monitoring reports and growing season photographs from Down to Earth Environmental (DTEE).
- Considerable stands of common reed (*Phragmites australis*) have established around the basin and appear to have received treatment since the September site inspection. Follow-up treatment of this species through selective spraying and wicking will be necessary during the 2018 growing season. Care should be taken to conserve desirable vegetation surrounding some stands of common reed.
Treatment of this species occurred during the 2018 growing season per monitoring reports from DTEE. Follow-up treatment of this species will be critical in the long-term management program.
- Cattail (*Typha* spp.) have received partial treatment, and should continue to receive follow-up treatment during the 2018 growing season.
Treatment of this species occurred during the 2018 growing season per monitoring reports from DTEE. Follow-up treatment to prevent this species from becoming dominant may be necessary within the long-term management period.
- A majority of sandbar willow (*Salix interior*) has been cut and treated, but this species will continue to be a management target in the 2018 growing season. At the time of the inspection, several instances of small sandbar willow specimens were evident.
Treatment of this species occurred during the 2018 growing season per monitoring reports from DTEE. Follow-up treatment of this species will likely be necessary during the long-term management program.

December 4, 2018

- Stands of black locust (*Robinia pseudoacacia*) stands have been removed, with a few remaining small specimens throughout the basin. This species should continue to be addressed during the 2018 growing season.
Treatment of this species occurred during the 2018 growing season per monitoring reports from DTEE. Follow-up treatment of this species will likely be necessary during the long-term management program.
- Non-native perennial species, in particular Teasel (*Dipsacus* spp.) have become prevalent in some areas of the basin. These should be targeted with broadleaf-specific herbicide. As this species has already set seed, follow-up will likely be necessary in 2018.
Treatment of this species occurred during the 2018 growing season per monitoring reports from DTEE. Follow-up treatment of this species will be critical in the long-term management program.
- Bare areas resulting from extensive woody clearing or invasive treatment shall be over-seeded with an appropriate seed mix following a prescribed burn currently planned for Spring of 2018.
According to reports from DTEE, the areas in question have received supplemental seeding as prescribed.

In addition to vegetative coverage and dominance of non-native versus native, desirable species; the Windett Ridge naturalized areas are also evaluated based on the presence of quality native species found within the basin. These species lists are utilized to formulate the Floristic Quality Index (FQI) of the site. Per performance criteria specified in the monitoring report, the natural areas must have a combined FQI of 20 or greater to satisfy the criteria. ENCAP, Inc. has reviewed the inventory lists included in the 2018 monitoring report prepared by Down to Earth Environmental, Inc. and is in concurrence with the species located on-site. The corresponding FQI of the natural areas at the time of this report are 18.8 for the aquatic/emergent area (open water), 23.5 for the Wet Meadow areas, and 24.0 for the Upland Buffer (Pond Slope) areas. Per the data provided, this criterion is considered to be met.

ENCAP, Inc., on behalf of EEI and the City of Yorkville, has determined based on the provided documentation, that items have been completed as appropriate to facilitate turnover to the Homeowners Association (HOA). It is highly recommended that a long-term management contract be pursued by the HOA once turnover occurs as the site will continue to need invasive species management services to continue to perform as designed. Long-term management activities should include spot herbicide application and mowing as necessary at a minimum of 2-3 treatments per growing season. Prescribed burning should also continue under the long-term management program every 3-5 years or as necessary to maintain the site.

If you should have any questions regarding this information, please feel free to contact me at (815) 748-4500 or sdedina@encapinc.net.

Sincerely,
ENCAP, Inc.



Samantha DeDina
Natural Areas Maintenance Superintendent/ Ecologist
ISA Certified Arborist #IL-9544A



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Human Resources	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

Old Business #1

Tracking Number

PW 2018-102

Agenda Item Summary Memo

Title: East Alley and Van Emmon

Meeting and Date: Public Works Committee – February 19, 2019

Synopsis: See attached.

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

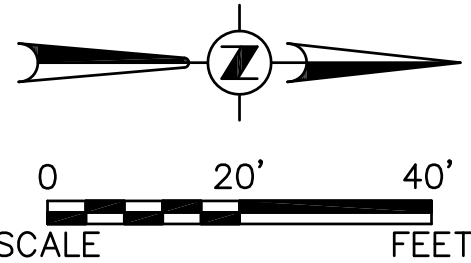
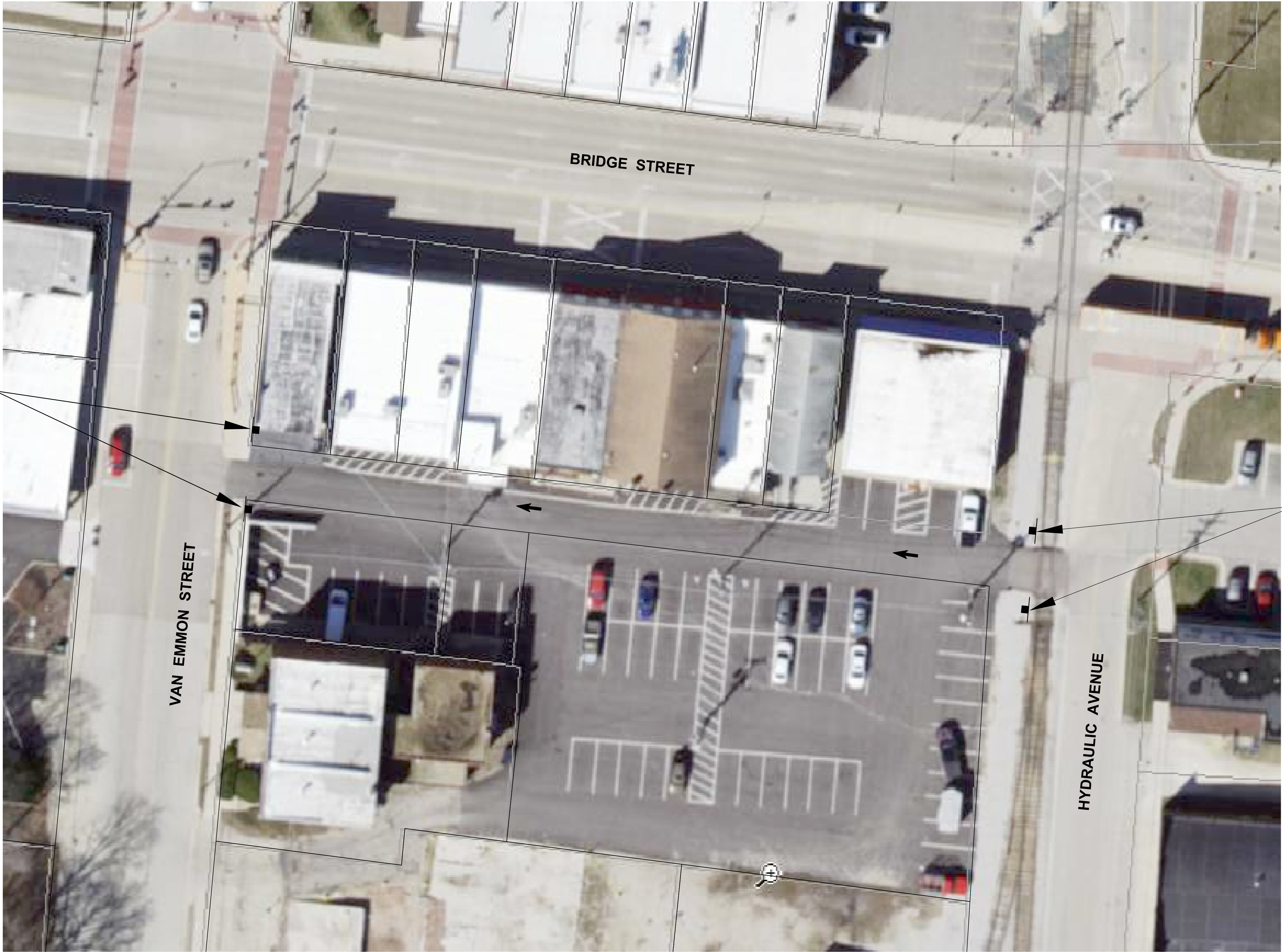
Item Number: _____

Type of Vote Required: _____

Council Action Requested: _____

Submitted by: Bart Olson Administration
Name Department

Agenda Item Notes:



POSITIVES:
- LOW COST
- NO MAJOR CHANGES
- WORK CAN BE DONE BY CITY

NEGATIVES:
- FORCES ENTRY FROM HYDRAULIC AVENUE

BALLPARK COST ESTIMATE:
\$2,500 - \$3,500

ENTRANCE ONLY

Plotted: February 12, 2019 @ 8:08 AM By: Jim Schmidt - Tab: Option 1 Site Plan - 22x34

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YEARS

4

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CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

UNITED CITY OF YORKVILLE
KENDALL COUNTY, ILLINOIS

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FULL size plotted
scale. Percentage
to 1" to be applied
to stated scales.

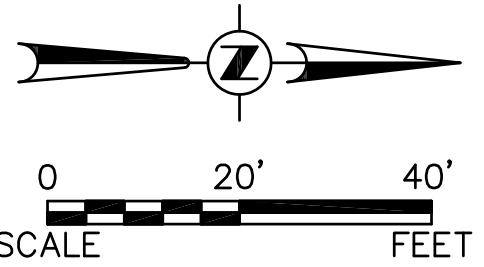
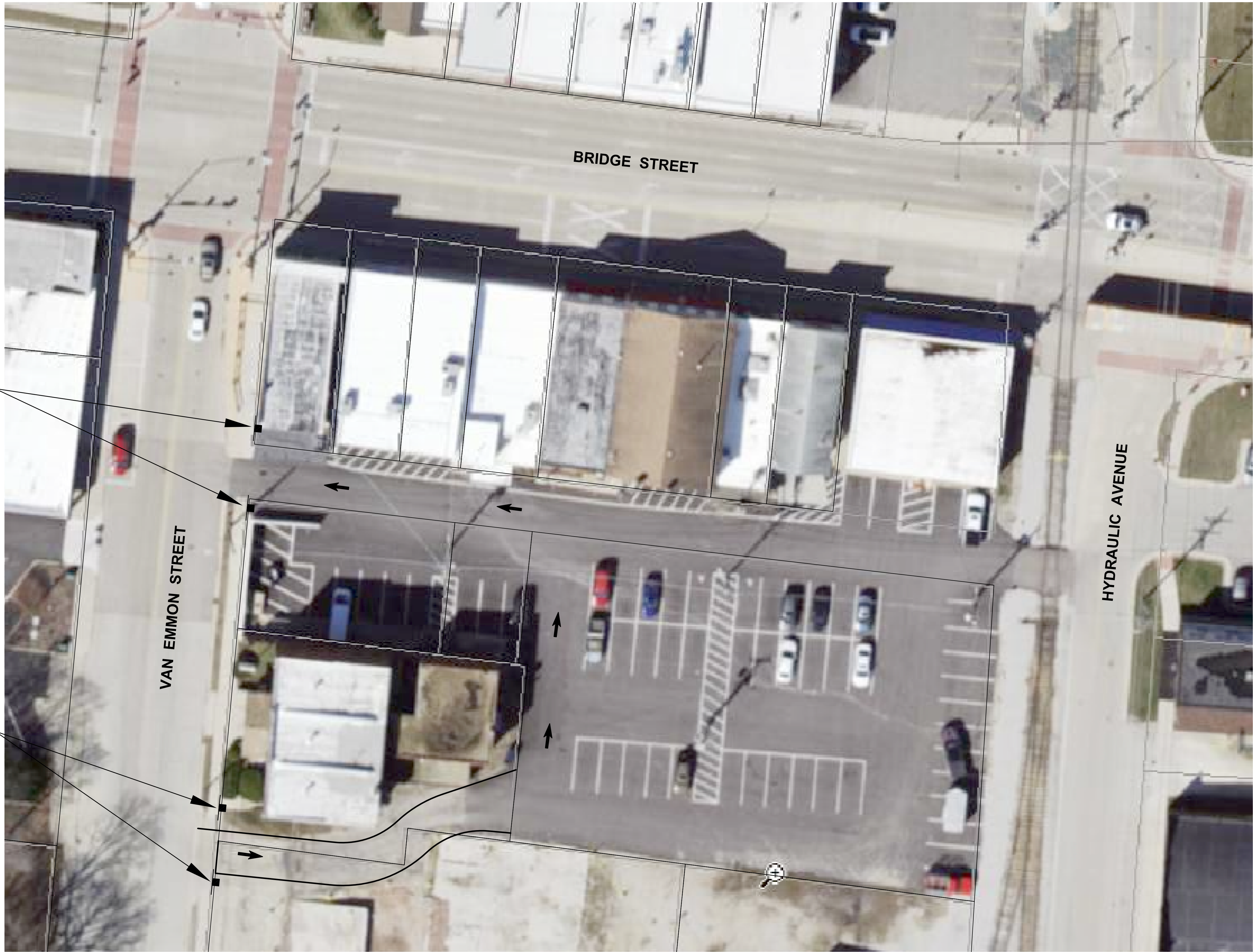
NO.	DATE	REVISIONS

DOWNTOWN REVITALIZATION

**EAST ALLEY
OPTION 1**

DATE:	JANUARY	2019
PROJECT NO:	Y01610	
FILE:	Y01610-SITE	
SHEET	1	OF 1

Path: H:\3056PRQ\Y01610\DWG EXHIBIT\Y01610-SITE



POSITIVES:
- CAN ENTER FROM
VAN EMMON

NEGATIVES:
- MUST ADD NEW ENTRANCE
- COSTS ASSOCIATED WITH
WORK

BALLPARK COST ESTIMATE:
\$18,000 - \$23,000

Plotted: February 12, 2019 @ 8:08 AM By: Jim Schmidt - Tab: Option 2 Site Plan - 22x34

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YEARS

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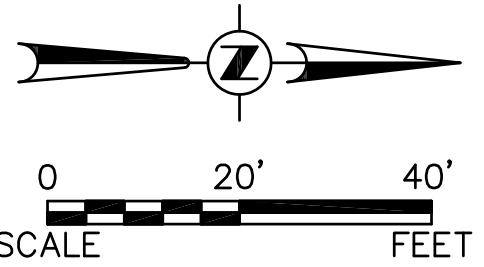
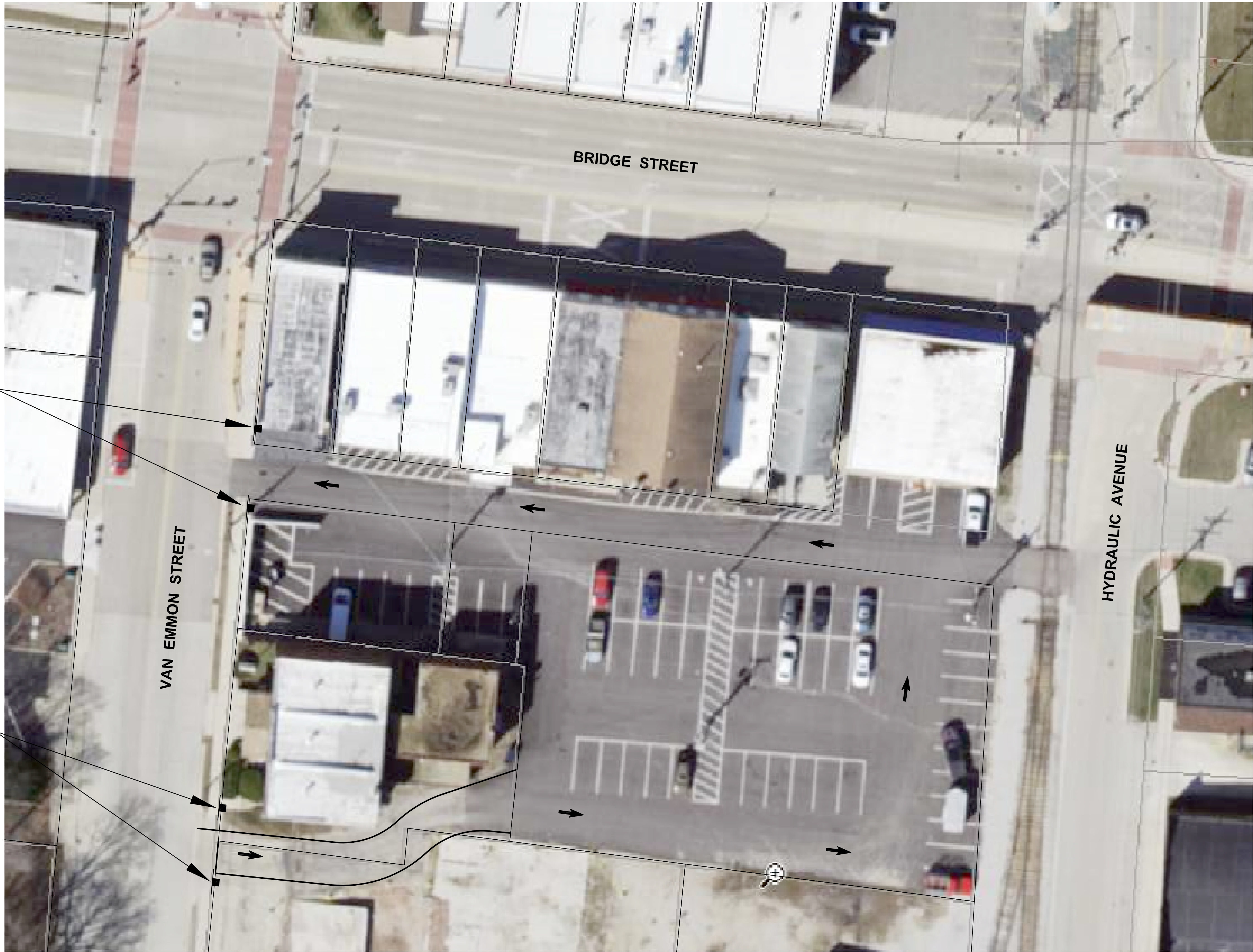
NO.	DATE	REVISIONS

DOWNTOWN REVITALIZATION

**EAST ALLEY
OPTION 2**

DATE:	JANUARY	2019
PROJECT NO:	Y01610	
FILE:	Y01610-SITE	
SHEET	1	OF 1

Path: H:\505KPROJ\Y01610\DWG EXHIBIT\Y01610-SITE



POSITIVES:
- CAN ENTER FROM
VAN EMMON

NEGATIVES:
- MUST ADD NEW ENTRANCE
- COSTS ASSOCIATED WITH
WORK

BALLPARK COST ESTIMATE:
\$18,000 - \$23,000

STAFF PREFERRED OPTION

Plotted: February 12, 2019 @ 8:10 AM By: Jim Schmidt - Tab: Option 3 Site Plan - 22x34

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YEARS

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CONSULTING ENGINEERS

52 Wheeler Road

Sugar Grove, Illinois 60554

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UNITED CITY OF YORKVILLE
KENDALL COUNTY, ILLINOIS

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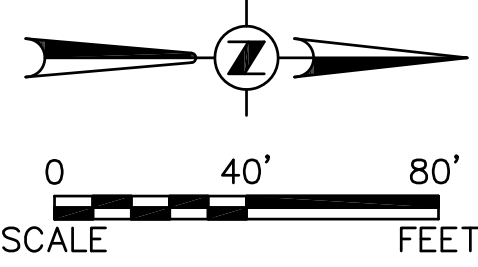
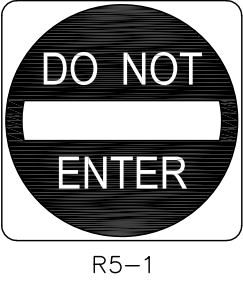
NO.	DATE	REVISIONS

DOWNTOWN REVITALIZATION

**EAST ALLEY
OPTION 3**

DATE:	JANUARY	2019
PROJECT NO:	Y01610	
FILE:	Y01610-SITE	
SHEET	1	OF 1

Path: H:\SOSKPRO\Y01610\DWG EXHIBIT\Y01610-SITE



POSITIVES:
- ELIMINATES BACKUP ON VAN EMMON

NEGATIVES:
- CANNOT ENTER FROM VAN EMMON
- MUST ADD NEW ENTRANCE
- COSTS ASSOCIATED WITH WORK - MOST EXPENSIVE

BALLPARK COST ESTIMATE:
\$25,000 - \$35,000

Plotted: February 12, 2019 @ 8:11 AM By: Jim Schmidt - Tab: Option 4 Site Plan - 22x34

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YEARS

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KENDALL COUNTY, ILLINOIS

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Bar represents 1" at
FULL size plotted
scale. Percentage
to 1" to be applied
to stated scales.

NO.	DATE	REVISIONS

DOWNTOWN REVITALIZATION

EAST ALLEY
OPTION 4

DATE:	JANUARY	2019
PROJECT NO:	Y01610	
FILE:	Y01610-SITE	
SHEET	1	OF 1

Path: H:\505KPROJ\Y01610\DWG EXHIBIT\Y01610-SITE