

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, September 19, 2017 6:00 p.m.

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

Citizen Comments:

Minutes for Correction/Approval: July 18, 2017

New Business:

- 1. PW 2017-58 Water Department Reports for April, May and June 2017
- 2. PW 2017-59 Autumn Creek Unit 2C Acceptance
- 3. PW 2017-60 Kennedy Road Shared Use Path (ITEP) Authorization Nos. 1 and 2
- 4. PW 2017-61 Road to Better Roads Program for 2018
- 5. PW 2017-62 Traffic Control Review
 - a. Blackberry Woods area
 - b. Autumn Creek area
- 6. PW 2017-63 Water Ordinance
- 7. PW 2017-64 Overview of Downtown Brownfields
- 8. ADM 2017-70 Building Conditions Survey Results

Old Business:

1. PW 2017-49 Selection of YBSD Liaison

Additional Business:

2017/2018 City Council Goals – Public Works Committee			
Goal	Priority	Staff	
"Municipal Building Needs and Planning"	5	Bart Olson & Eric Dhuse	
"Vehicle Replacement"	6	Bart Olson & Eric Dhuse	
"Water Planning"	8	Eric Dhuse & Brad Sanderson	
"Capital Improvement Plan"	11	Bart Olson & Eric Dhuse	
"Water Conservation Plan"	15	Eric Dhuse & Brad Sanderson	

UNITED CITY OF YORKVILLE WORKSHEET

PUBLIC WORKS COMMITTEE

Tuesday, September 19, 2017 6:00 PM

CITY HALL CONFERENCE ROOM

CITIZEN COMMENTS:	
MINUTES FOR CORRECTION/APPROVA	<u>L</u> :
1. July 18, 2017	
Approved	
☐ As presented	
☐ With corrections	
NEW BUSINESS:	
1. PW 2017-58 Water Department Reports	for April, May and June 2017
☐ Moved forward to CC	consent agenda? Y N
☐ Approved by Committee	
☐ Bring back to Committee	
☐ Informational Item	
□ Notes	

2. PW 2017-59 Autumn Creek Unit 2C Moved forward to CC Approved by Committee Bring back to Committee Informational Item Notes	consent agenda? Y N
 3. PW 2017-60 Kennedy Road Shared Moved forward to CC Approved by Committee Bring back to Committee Informational Item 	
4. PW 2017-61 Road to Better Roads P Moved forward to CC Approved by Committee Bring back to Committee Informational Item Notes	consent agenda? Y N

5.	PW 2017-62 Traffic Control Review a. Blackberry Woods areab. Autumn Creek area □ Moved forward to CC	consent agenda?	Y	N
	☐ Approved by Committee			
	☐ Bring back to Committee			
	☐ Informational Item	-		
	□ Notes			
6	PW 2017-63 Water Ordinance			
0.	☐ Moved forward to CC	consent agenda?	v	N
	☐ Approved by Committee		1	1
	☐ Bring back to Committee☐ Informational Item	-		
	□ Notes			
7.	PW 2017-64 Overview of Downtown Bro			
	☐ Moved forward to CC	consent agenda?	Y	N
	Approved by Committee			
	☐ Bring back to Committee			
	☐ Informational Item			
	□ Notes			

☐ Moved forw ☐ Approved by ☐ Bring back to ☐ Information	Building Conditions Surve vard to CC y Committee to Committee al Item	consent agenda? Y	
	lection of YBSD Liaison		
☐ Approved by ☐ Bring back t☐ Information	yard to CC y Committee to Committee al Item		Y N
ADDITIONAL BUSIN	<u>NESS:</u>		



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PANIA	1700	2 T 7
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Legal	
Finance	
Engineer	
City Administrator	
Human Resources	
Community Development	
Police	
Public Works	
Parks and Recreation	

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Agenda	Item	Numbe	1

Minutes

Tracking Number

Agenda Item Summary Memo

	8	v
Title: Minutes of the	e Public Works Commit	ttee – July 18, 2017
Meeting and Date:	Public Works Commit	ttee – September 19, 2017
Synopsis:		
Council Action Pres	viously Taken:	
Date of Action:	Action	Taken:
tem rumber.		
Гуре of Vote Requi	red: Majority	
Council Action Rea	uested: Committee Ap	oproval
		, p. 10 - 11 - 12 - 12 - 12 - 12 - 12 - 12 -
Submitted by:	Minute Taker	
	Name	Department
	Agend	da Item Notes:

DRAFT

UNITED CITY OF YORKVILLE PUBLIC WORKS COMMITTEE Tuesday, July 18, 2017, 6:00pm Yorkville City Hall, Conference Room 800 Game Farm Road

IN ATTENDANCE:

Committee Members

Vice-Chairman Ken Koch Alderman Seaver Tarulis Alderman Jackie Milschewski

Absent: Alderman Joel Frieders

Other City Officials

City Administrator Bart Olson Interim Assistant City Administrator Erin Willrett Engineer Brad Sanderson, EEI

Other Guests: None

The meeting was called to order at 6:02pm by Vice-Chairman Ken Koch.

Citizen Comments: None

<u>Previous Meeting Minutes</u>: June 20, 2017 The minutes were approved as presented.

New Business:

1. PW 2017-52 Capital Improvement Project Update

Mr. Sanderson said this was the current quarterly update and the details were in the packet. No further action.

2. PW 2017-53 Quarterly Bond/LOC Reduction Summary

This item is also a quarterly update. Alderman Koch asked if the Hamman watermain was complete. It is finished and will be removed from the list.

3. PW 2017-54 NPDES Annual Report

This is a mandatory annual report and will be sent to the IEPA. No further action.

4. PW 2017-55 Windett Ridge Bond Call

Mr. Sanderson said the agreement with Ryland/CalAtlantic requires that all punchlist items need to be done by the end of August. They have requested additional time to complete the items including grading of ponds. He said a resident has been calling regarding the washed out trail. He said another solution will be required since it's a major waterway. The committee was OK with a 2-month extension and this moves to the consent agenda, however, it will require a vote.

5. PW 2017-56 Water Meter Price Increase

Mr. Olson said prices have not been adjusted for a few years, even though the costs have risen. An increase is being recommended on meters for new construction. This will not apply to replacement meters. The committee approved and this moves to the Council agenda next week.

6. PW 2017-57 Downtown Fencing and Sidewalk

Mr. Olson said the City went to RFP for the second time for the west and east alleys. Bids were received, research was done, but the City was not comfortable with recommending the bidder due to their distance from the City. It was decided to split the project. It was recommended to reject the bids at this time. This will be brought back in August.

Old Business: None

Additional Business:

Alderman Milschewski asked about the status of the large holes in the Old Second bank parking lot. The city was preparing to resurface it, however, the storm structures were found to be in poor condition and will be repaired first.

Alderman Tarulis showed photos of a deep hole on McHugh in the parkway. Comcast has been working there and said it would be fixed by this time. The date has passed and staff will follow-up.

Alderman Koch addressed a sidewalk problem on Hawthorne Ct. near Walsh. There are cracks and the sidewalk has raised up in some spots. Mr. Olson thought it was was an ADA matter and will follow up with an email. Mr. Sanderson also said Public Works has been working on this and he will follow-up.

There was no further business and the meeting was adjourned at 6:19pm.

Minutes respectfully transcribed by Marlys Young, Minute Taker



Reviewed By:		
	Legal	
	Finance	
	Engineer	
	City Administrator	
	Human Resources	
	Community Development	
	Police	
	Public Works	
	Parks and Recreation	

Agenda Item Number		
New Business #1		
Tracking Number		
PW 2017-58		

Agenda Item Summary Memo

Title: Water Departn	nent Reports for April, May and	June 2017
Meeting and Date:	Public Works Committee – Sept	tember 19, 2017
Synopsis: Monthly v	vater reports.	
Council Action Prev	iously Taken:	
Date of Action:	Action Taken:	
Item Number:		
Type of Vote Requir	ed: Majority	
Council Action Requ	uested: Approval	
Submitted by:		Public Works
	Name	Department
	Agenda Item N	lotes:
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United City of Yorkville WATER DEPARTMENT REPORT

APRIL 2017 MONTH / YEAR

WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
3	(1221)	(1 has hea 1)	(1 = 1)	Abandoned
4	1401	665	191	17,898,000
7	1527	1105	430	6,940,000
8	1384	840	170	9,656,000
9	1368	870	463	9,463,000
			TOTAL	43,957,000

9 1368	870	463	9,463,000
		TOTAL	43,957,000
CURRENT MONTH'S PUMPA	AGE IS <u>3,92</u>	<u>9,000</u> GALLON S m	nore Than Last Month
	2,79	0,000 GALLONS m	nore THAN LAST YEAR
DAILY AVERAGE PUMPED:	1,46	5,233 GALLONS	
DAILY MAXIMUM PUMPED:	2,27	1,000 GALLONS	
DAILY AVERAGE PER CAPI	TA USE:8	1.40 GALLONS	
WATER TREATMENT:			
CHLORINE:	798 LBS. FED	CALCULATED CON	ICENTRATION: 2.00 MG/L
	809 LBS. FED	CALCULATED CON	•
_	056_LBS. FED		CENTRATION: 1.00 MG/L
WATER QUALITY:			
BACTERIOLOGICAL SAMPL 22 SATISFACTORY		NOIS ENVIRONMENTAL PR UNSATISFACTORY (EXPL	
FLUORIDE: 3 SAMPL	E(S) TAKEN	CONCENTE	RATION: <u>0.86</u> MG/L
MAINTENANCE:			
NUMBER OF METERS REPL		NUMBER OF LEAKS OR BRI BATTERIES REPLACED: <u>0</u>	
NEW CUSTOMERS:			
RESIDENTIAL: 15	_ COMMERCIA	L: 0 INDU	JSTRIAL/GOVERNMENTAL: 0
COMMENTS:			



United City of Yorkville WATER DEPARTMENT REPORT

MAY 2017 MONTH / YEAR

WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
3				Abandoned
4	1401	665	204	21,645,000
7	1527	1105	430	8,083,000
8	1384	840	170	10,851,000
9	1368	870	463	11,574,000
,		-	TOTAL	52,153,000

	1500	070		105	11,374,000	
				TOTAL	52,153,000	
CURRE	NT MONTH'S PUMP	AGE IS8	,196,000	_ GALLONS m	nore THAN LAST MONTH	
		3	,053,000	_ GALLONS m	nore Than Last Year	
DAILY	AVERAGE PUMPED:	1	,682,354	GALLONS		
DAILY	MAXIMUM PUMPED		416,000	GALLONS		
DAILY	AVERAGE PER CAPI	TA USE:	93.46	GALLONS		
WATE	R TREATMENT:					
CHLOR	INE: 1,1	l73 LBS. FED		CALCULATED CON	ICENTRATION:1.0	00MG/L
FLUORI	IDE: <u>2</u>	258_ LBS. FED			CENTRATION:8	
POLYPH	HOSPHATE: 1,1	LBS. FED		CALCULATED CON	CENTRATION:1.0	00 MG/L
WATE	R QUALITY:					
				ENVIRONMENTAL PR TISFACTORY (EXPL	ROTECTION AGENCY: AIN)	
FLUORI	IDE: <u>3</u> SAMPL	ES TAKEN		CONCENTE	RATION:86_ MG/L	
MAINT	ENANCE:					
NUMBE	R OF METERS REPL	ACED: <u>6</u> 4XU'S: <u>7</u>		ER OF LEAKS OR BRI RIES REPLACED: _	EAKS REPAIRED: 1	
NEW C	USTOMERS:				<u>.</u>	
RESIDE	NTIAL:7_	COMMERCIAL:	0	INDU	JSTRIAL/GOVERNMENTA	L: <u>0</u>
СОММ	ENTS:					



COMMENTS:

United City of Yorkville WATER DEPARTMENT REPORT

JUNE	2017
MONTH	/ YEAR

WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)		
3				Abandoned		
4	1401	665	204	25,489,000		
7	1527	1105	430	10,445,000		
8	1384	840	170	17,245,000		
9	1368	870	463	12,174,000		
			TOTAL TREATED	65,353,000		
CURRE	NT MONTH'S PUMPA	AGE IS <u>13,2</u>	<u>00,000</u> GALLONS r	more THAN LAST MONTH		
		11,8	<u>27,000</u> GALLONS r	more THAN LAST YEAR		
DAILY	AVERAGE PUMPED:	2,17	78,433 GALLONS			
DAILY	MAXIMUM PUMPED:		87,000 GALLONS			
DAILY	AVERAGE PER CAPT	TA USE: 12	1.02 GALLONS			
WATE	R TREATMENT:					
CHLOR	INE: <u>1,</u> 4	82 LBS. FED	CALCULATED CON	CENTRATION: 1.0 MG/L		
FLUOR	IDE: <u>3</u>	14 LBS. FED	CALCULATED CON	CENTRATION:75 MG/L		
POLYPH	HOSPHATE: 1,5	LBS. FED	CALCULATED CON	CENTRATION: 1.0 MG/L		
WATE	R QUALITY:					
BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY: 22 SATISFACTORY 0 UNSATISFACTORY (EXPLAIN)						
FLUORIDE: 3 SAMPLES TAKEN CONCENTRATION:75 MG/L						
MAINTENANCE:						
NUMBER OF METERS REPLACED:6						
NEW C	CUSTOMERS:					
RESIDE	ENTIAL: 21	COMMERCIA	AL: 0 INDU	JSTRIAL/GOVERNMENTAL:0		



Reviewed By:			
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Legal
Finance
Engineer
City Administrator
Human Resources
Community Development
Police
Public Works

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Agenda	Item	Num	ıber

New Business #2

Tracking Number

PW 2017-59

Agenda Item Summary Memo

Title: Autumn Creek – Uni	t 2C Acceptance		
Meeting and Date: Public	Works Committee – Septemb	per 19, 2017	
Synopsis: Subdivision Acc	eptance Consideration		
Council Action Previously	Taken:		
Date of Action:	Action Taken:		
Item Number:			
Type of Vote Required:			
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: August 30, 2017

Subject: Autumn Creek - Unit 2C

Pulte has requested that the City accept the public improvements for Autumn Creek - Unit 2C for ownership and maintenance (see attached).

All work related to the public improvements in Unit 2C, including punch list work has been completed. We recommend that the public improvements within the above described unit for water main, sanitary sewer, storm sewer, paving, sidewalk, street lighting and parkway trees as described in the attached Bill of Sale be accepted for ownership and maintenance by the City.

As required by City Code, the developer will be responsible to provide a performance guarantee to cover the one year maintenance period. This period starts after the City formally accepts the improvements.

Along with final acceptance, there is a bond reduction to 10% of the value of the public improvements (Maintenance Guarantee). Accordingly, the bond reduction and guarantee value shall be as follows:

Unit 2C Improvements

Original Value \$2,400,150.50 Current Value \$698,869.88 **Required Value (10% of Original) \$240,015.05** Net Reduction \$458,854.83

Upon City Council approval of the acceptance and the receipt of the executed Bill of Sale and maintenance guarantee, the existing security may then be released. If you have any questions or require additional information, please call.



August 18, 2017

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

Re: Autumn Creek Subdivision Bond Phase 2C

Dear Krysti:

Pulte Homes has completed the installation of the public improvements and associated punch list items in Autumn Creek Unit 2C. Pulte Homes is formally requesting City Acceptance of the public improvements within this unit:

Bond # K08230456 - Autumn Creek 2A, in the amount of \$698.869.88: Formal Acceptance onto Maintenance requested.

If I can be of any further assistance, please do not hesitate to contact Joe Marx or myself.

Thank you,

JoAnne M. Bowers DRE/HOA Manager

Pulte Homes 847-230-5330

Cc: Brad Sanderson EEI

Joe Marx



BILL OF SALE

Seller,, in c hereby acknowledged, does hereby sell of Yorkville, an Illinois municipal co 60560, the following personal proper development know as Autumn Creek —	, assign, transfer and orporation, at 800 G ty to wit described it	convey to the <i>Buye</i> ame Farm Road, n Exhibit A attack	er, the United City Yorkville, Illinois ned hereto for the
Seller hereby represents and w property, that said property is free an Seller has full right, power, and authorical	d clear of all liens,	charges and encun	nbrances, and that
IN WITNESS WHEREOF,			
Subscribed and Sworn to before me this day of, 20			
Notary Public			

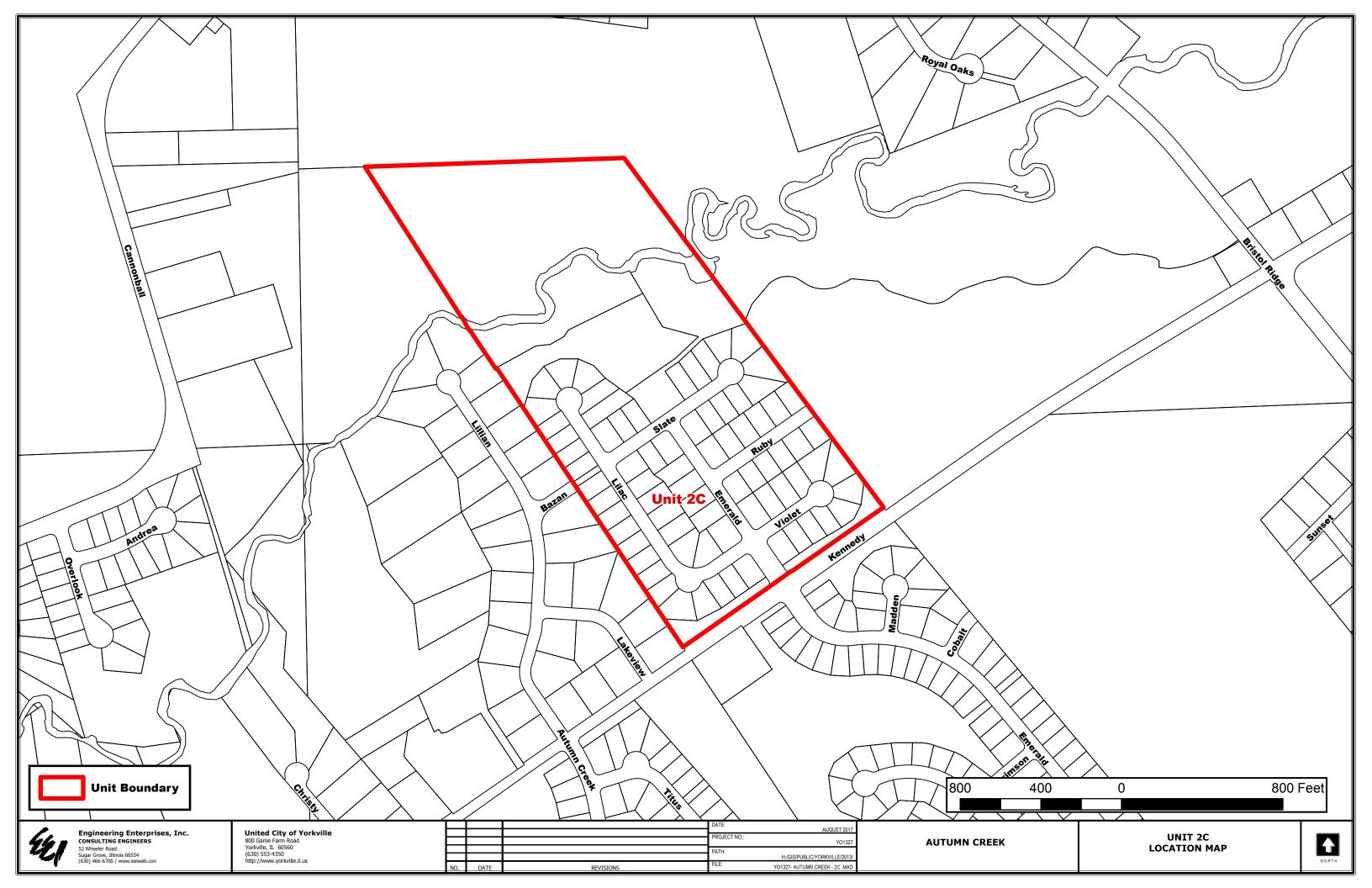
EXHIBIT A AUTUMN CREEK - UNIT 2C SUBDIVISION UNITED CITY OF YORKVILLE

UTILITIES	UNIT	QUANTITY
STORM SEWER CONSTRUCTION		
STONE RIP RAP, CLASS A3	SQ YD	60
TRENCH BACKFILL	CU YD	564
HDPE PERF STORM SEWERS, 10"	FOOT	387
HDPE PERF STORM SEWERS, 12"	FOOT	864
HDPE PERF STORM SEWERS, 15"	FOOT	524
HDPE PERF STORM SEWERS, 21"	FOOT	684
HDPE PERF STORM SEWERS, 24"	FOOT	362
STORM SEWERS, CLASS A, TY 2, 12"	FOOT	1,173
STORM SEWERS, CLASS A, TY 2, 15"	FOOT	834
STORM SEWERS, CLASS A, TY 2, 18"	FOOT	600
STORM SEWERS, CLASS A, TY 2, 21"	FOOT	263
STORM SEWERS, CLASS A, TY 2, 24"	FOOT	471
STORM SEWERS, CLASS A, TY 2, 30"	FOOT	333
STORM SEWERS, CLASS A, TY 2, 36"	FOOT	385
STORM SEWERS, CLASS A, TY 2, 42"	FOOT	45
CATCH BASINS, TYPE A 4' DIAMETER	EACH	28
INLETS, TYPE A 2' DIA	EACH	36
PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" W/ GRATE	EACH	1
PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42" W/ GRATE	EACH	1
MANHOLES, TYPE A, 4' DIAMETER	EACH	14
MANHOLES, TYPE A, 5' DIAMETER	EACH	18
MANHOLES, TYPE A, 6' DIAMETER	EACH	8
4" PVC SUMP CONNECTION	EACH	75
WATER MAIN CONSTRUCTION		
8 - INCH WATER MAIN, DUCTILE IRON	FOOT	5,725
FIRE HYDRANTS	EACH	16
AUTOMATIC FLUSHING FIRE HYDRANTS	EACH	1
8" VALVE AND VALVE BOX	EACH	13
1" SINGLE FAMILY WATER SERVICE INCLUDING TRENCH BACKFILL (LI	EACH	28
1" SINGLE FAMILY WATER SERVICE INCLUDING TRENCH BACKFILL (SI	EACH	47
TRENCH BACKFILL	CU YD	300
SANITARY SEWER CONSTRUCTION		4.442
TRENCH BACKFILL	CU YD	1,142
8" PVC (SDR 26) SANITARY SEWER (0'-15' DEEP) 8" PVC (DR-18) SANITARY SEWER (0'-15' DEEP)	FOOT FOOT	2,210 1,646
12" PVC (C900) SANITARY SEWER (0'-15' DEEP)	FOOT	190

Roadway	Unit	Quantity
SLATE DRIVE	FOOT	380
SLATE COURT	FOOT	550
EMERALD LANE	FOOT	1,340
LILAC COURT	FOOT	520
LILAC WAY	FOOT	1,200
RUBY DRIVE	FOOT	605
VIOLET COURT	FOOT	560

EXHIBIT A AUTUMN CREEK - UNIT 2C SUBDIVISION UNITED CITY OF YORKVILLE

4' SANITARY MANHOLES (0'-15' DEEP)	EACH	19
6" SANITARY SEWER SERVICE INCLUDING TRENCH BACKFILL (LONG)	EACH	41
6" SANITARY SEWER SERVICE INCLUDING TRENCH BACKFILL (SHORT	EACH	34
MISCELLANOUS UNDERGROUND CONSTRUCTION		
STREETLIGHTS	EACH	18
ROADWAY CONSTRUCTION		
PCC SIDEWALK 5" W/ 2" AGG SUBBASE (6" THRU DRIVE W/ AGG BAS	SQ FT	39,976
BIKE PATH 8' WIDTH (2" MA SURFACE COURSE W/ 8" AGGREGATE B	SQ YD	1,922





Reviewed By:	
Legal	
Finance	
Engineer	
City Administrator	
Human Resources	
Community Development	

Agenda Item Number
New Business #3
Tracking Number
PW 2017-60
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Agenda Item Summary Memo

Police Public Works Parks and Recreation

Title: Kennedy Roa	nd Shared Use Path (ITEP)		
Meeting and Date:	Public Works Committee – Septer	mber 19, 2017	-)
Synopsis: Considera	ation of Authorization Nos. 1 & 2		
Council Action Prev	viously Taken:		•
Date of Action:	Action Taken:		
Item Number:			
Type of Vote Requi	red:		
	uested: Consideration of Approval		_
			•
			•
Submitted by:	Brad Sanderson	Engineering	
	Name	Department	
	Agenda Item Not	es:	
			_



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: September 5, 2017

Subject: Kennedy Road Shared Use Path (ITEP) – Authorizations 1 & 2

The purpose of this memo is to present Authorizations 1 & 2 for the above referenced project.

An authorization, as defined by IDOT, is the written approval of a contract change and the written directive to the contractor to perform said work. By this definition, it alters the contract work from that awarded under the competitive bidding process. An Authorization of Contract Changes signed by the Regional Engineer signifies completed review of and support for the change proposed.

Background:

The State of Illinois and "D" Construction, Inc. entered into an agreement for a contract value of \$753,941.81 for the above referenced project. Construction began on July 17, 2017 and the project is approximately 65% complete.

The construction costs are being funded by ITEP funds (federal) and local funds. The maximum federal participation amount is \$883,336.00, inclusive of all change orders (authorizations) associated with this contract.

Questions Presented:

Should the City approve Authorizations Nos. 1 (\$7,420.00) and 2 (\$605.88) in the amount of \$8,025.88?

Discussion:

<u>Authorization No. 1</u> covers additional labor, equipment and materials required to place thermoplastic pavement marking symbols, including:

• Railroad warning symbols in advance of the pedestrian crossing at the Burlington Northern Santa Fe Railroad at-grade crossing.

<u>Authorization No. 2</u> covers additional labor, equipment and materials required to remove and replace unsuitable soils encountered during excavation including:

- Excavation of unsuitable soils.
- Replacement of excavated material with 6 inches of CA-06 aggregate.

The net change to date for authorizations is \$8,025.88 which is a 1.06% increase to the original contract value bringing a revised contract value to date of \$761,967.69. The City will be responsible for 20% of the total or \$1,605.18.

We have attached IDOT form BC-22 for Authorization Nos. 1 & 2 for your information. All authorizations have a pre-approval from the IDOT District 3 Local Agency Bureau of Construction Engineer.

We are recommending approval of the Authorizations.

Action Required:

Consideration of approval from the City Council for Authorizations 1 & 2.



Print Date: 09/03/2017

Authorization No. 1
Sheet 1 of 1

Authorization of Contract Changes

Contract Adjustment Change Order			Po	DI/ PoC	CI			Date: County: Section:		endall 0-00042-00-BT		
✓ Consultant ☐ InHouse					ajor Cha nor Cha	•			Route District: Contract: Job No.:	3 87 Cs	AU 3793 7628 9308815	
Consultant's N	lame	e: E	Enginee	ring Er	nterpris	ses, Inc.			Project No.:	TE	E-00D3 (091)	
Contractor: Address:	14		struction South Br ity	roadwa	y IL	60416-						
he following chang stimated quantities nder the fund type	s are	shown	below at	the awa	rded coi	ntract pric	e designation	ignated sectior ept as indicate	of highway improd. The first addition	vement n of an i	is authorized and d tem not in the origir	irected. The nal contract
tem No. * C	Cat	Pay It	em			Unit		Quantity	Unit Price	A/D	Addition	Deduction
	FAS	ID:	L22EK	01		C	CS Co	ode 0930028	3			
K9300100 * 3	33	REM	& DIS UN	NS MAT	REP C	SQ YD		530.000	14.0000	A	\$7,420.00	\$0.00
Amount of Origina	al Con	tract:	\$7	53,941.8	1				Totals;		\$7,420.00	\$0.00
			¢		0.000/	Net Change:		7,420.00				
	aie.			67,420.00) Ре	rcent Cha	nge:	0.98%	Tet Grange,		7,120.00	
Net Change To D				·) Pe	rcent Cha	nge:	0.90%	rvet Ollange,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Net Change To Da	Ken	·	Road, Yo	rkville, IL					THE S		DF ILLINOIS of Transportation	1
Net Change To Di	Ken 102 were	5+34 to e enco constr	Road, Yor o 1033+2 untered t	rkville, IL 4 and 10 hat were	75+28 1 unsuita s, requi	to 1077+1 able for pe ireing an u	5, soils	s nt	THE S	artment	DF ILLINOIS of Transportation	Date
Project Location: Description and Reason:	Ken 102: were and and (G3)	5+34 to e enco constr replac	Road, Yor o 1033+2 untered t uctability ement wi	rkville, IL 4 and 10 hat were purpose tith CA-06	75+28 t unsuita s, requi s stone. mine tha	to 1077+1 ble for pe reing an u	5, soils maner ndercu	s nt ut	THE S By the Depa Randall S. Blan	artment kenhorn,	DF ILLINOIS of Transportation	Date
Project Location: Description and Reason: Determination:	Ken 102 were and and (G3) gerr chai	5+34 to e enco constr replac) The unane to nge rep tract, b	Road, You o 1033+2 untered t uctability ement wi undersign o the orig presents	rkville, IL 4 and 10 hat were purpose ith CA-06 ed deter inal cont an adjus	75+28 tunsuita s, requi s stone. mine tha ract as s tment re	to 1077+1 ble for pe reing an u	5, soils maner ndercu nge is cause the	ant ut	THE S By the Depa Randall S. Blan	artment kenhorn, f Fiscal	OF ILLINOIS of Transportation Secretary Officer, Director of F	Date F&A
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Project Location: Description and Reason: Determination:	Kenn 102 were and and (G3) gerrichar confi	5+34 tree enco constr replac) The unane trange rep tract, b	Road, You o 1033+2 untered t ructability ement wi indersign o the origo oresents ased on Re Engine	rkville, IL 4 and 10 hat were purpose th CA-06 hed deter jinal cont an adjus unpredic gional En	175+28 t unsuita s, requi s stone. mine tha ract as s tment re table de	to 1077+1 able for pe ireing an u at the cha signed, be equired by evelopmer	5, soils maner ndercu nge is cause the ts in th	the se	THE S By the Depa Randall S. Blan Jeff Heck, Chie William M. Bari	artment kenhorn, f Fiscal	OF ILLINOIS of Transportation Secretary Officer, Director of Field Counsel Supervisor	Date F&A Date Date

FHWA Representative

BC22 (rev. 01/24/17)



To:

Joe Wick

Attn: H. Fogarty

From:

Wayne Phillips

By: Ryan Lindenmier

Subject:

Agreed Unit Price

Date:

August 10, 2017

X9300100

FAU Route 3793 Section 10-00042-00-BT Kendall County

Kendall County Contract 87628

In their letter of Augsut 3, 2017, the contractor has submitted the following agreed unit prices or credits. In accordance with Construction Memorandum 10-4 (effective September 13, 2010), the District Estimator has reviewed the contractor's submittals and recommends the appropriate action be taken as shown in the *APPROVAL STATUS* column. Please note that any recommended action is based on the specified conditions and quantities shown in the submittal. If conditions and/or quantities change significantly from the original submittal, those affected items should be resubmitted for further review. In cases where proposed prices have been rejected, please have the contractor review their prices or perform the required work at force account.

Item Description	Estimated Quantity	Units	Proposed Price	Approval Status
REM & DIS UNS MAT REP CA6	660	SQ YD	\$14.00	A1

A = AcceptedΑ1 Price is reasonable and is in line with district's or state's historical average price. A2 Price is justified; small quantity or unusual conditions exist. Price is fair; estimated costs are equitable to force account methods. Price is fair and is in line with contract unit prices of similar pay items on current contract. Price is fair and is in line with contract unit prices of pay items on similar contracts. Price is fair, see attached worksheet. Price is justified; cost is above normal expected price, but proposed cost of work includes other miscellaneous or incidental work items (i.e., traffic control). Credit is justified and represents costs saving 8A generated from reduced labor, equipment, and material expenses.

7	i	
Î		R = Rejected
	R1	Price is unreasonable and is significantly higher than district's or state's historical average price, Please review
	R2	Price cannot be justified; please provide additional information to support price.
	R3	Price appears higher than costs allowed by force account methods. Please review.
	R4	Price is not in line with contract unit prices of similar pay items on current contract. Please review.
	R5	Price is not in line with contract unit prices of pay items on similar projects. Please review.
	R6	Price appears higher than cost generated by attached worksheet. Please provide additional information.
	R7	Unable to determine an estimated cost of proposed work. Work is unique and no historical costs are available. Please have contractor provide specific
	R8	cost data from other projects to support price. Credit does not appear to offset expected savings. Please review.

Todd Wells

From:

Steve Wahl <s.wahl@dconstruction.net>

Sent:

Thursday, August 03, 2017 2:02 PM

To:

Todd Wells

Cc:

Tim Weidner

Subject:

RE: Undercut AUP

Remove and Dispose Unsuitable Material - \$4/SY CA-6 - \$10/SY

Or

\$14/SY combined in one item

Thank you,

Steve Wahl

"D" Construction, Inc. 1488 S. Broadway Coal City, IL 60416

From: Todd Wells [mailto:TWells@eeiweb.com] Sent: Thursday, August 03, 2017 1:49 PM

To: Steve Wahl Cc: Tim Weidner

Subject: Undercut AUP

Steve,

Please provide an AUP for 6" Removal of Unsuitable Material and Replacement With CA-06 (SY)

Regards,

Todd Wells, P.E., C.P.I.I. Senior Project Engineer II

T: (630) 466-6700 C: (773) 454-4214 F: (630) 466-6701 www.eeiweb.com twells@eeiweb.com



Supporting the Communities We Work and Live in

This message may contain confidential information and is intended only for the original recipient. The views or opinions presented in this message are solely those of the sender and do not necessarily represent those of the company, unless specifically stated. If you are not the intended recipient you should not disseminate, distribute



Print Date: 09/03/2017

Authorization No. 2

Sheet 1 of 1

Authorization of Contract Changes

✓ Contract Adjustment Change Order ✓ Consultant InHouse		PoDI/ PoCI	I		Date: County: Section:		endall 0-00042-00-BT	
		Major Chan	· ·		Route District: Contract: Job No.:	3 8'	7628 9308815	
Consultant's N Contractor: Address:	D Construction 1488 South Br Coal City	oadway IL	60416-		Project No.:		E-00D3 (091)	discaled The
estimated quantities under the fund type	ge from the plans in the are shown below at or county is indicated	the awarded con I by an asterisk.	ntract prices	s except as indicate	d. The first addition	n of an	item not in the origi	nal contract
Item No. * C	at Pay Item		Unit	Quantity	Unit Price	A/D	Addition	Deduction
X9300200 * 3	FAS ID: L22EKG	1	CC SQ FT	S Code 0930028	4.9500	A	\$605.88	\$0.00
Average and a figure for	1 O tu tu	0.044.04			Totals:		\$605.88	\$0.00
Amount of Origina		53,941.81						ψ0.00
Net Change To Da	ate: \$	8,025.88 Per	rcent Chan	ge: 1.06%	Net Change:		605.88	
·			rcent Chan	ge: 1.06%	·			
Project Location: Description	Kennedy Road, Yor	kville, IL dds letters and s	symbols to	the	THE S		OF ILLINOIS	n
Project Location: Description	Kennedy Road, Yor	kville, IL dds letters and s nent marking so	symbols to that railroa	the ad letters	THE S	ırtmen	OF ILLINOIS of Transportation	n Date
Project Location: Description and Reason:	Kennedy Road, Yor This authorization a thermoplastic paver and symbols can be crossing. (G1) The undersign germane to the original control of the control	kville, IL dds letters and s nent marking so added to the pa ed determine tha nal contract as s	symbols to that railroa ath at the changing signed, bec	the d letters ailroad ge is ause	THE S By the Depa Randall S. Blank	enhorn	OF ILLINOIS of Transportation	Date
	Kennedy Road, Yor This authorization a thermoplastic paver and symbols can be crossing. (G1) The undersign	kville, IL dds letters and s nent marking so added to the pa ed determine tha nal contract as s	symbols to that railroa ath at the changing signed, bec	the d letters ailroad ge is ause	THE S By the Depa Randall S. Blank	enhorn f Fiscal	OF ILLINOIS t of Transportation , Secretary Officer, Director of	Date F&A
Project Location: Description and Reason:	Kennedy Road, Yor This authorization a thermoplastic paver and symbols can be crossing. (G1) The undersign germane to the original provision for this wo	kville, IL dds letters and s nent marking so added to the pa ed determine tha nal contract as s	symbols to that railroa ath at the changing signed, bec	the d letters ailroad ge is ause	THE S By the Depa Randall S. Blank Jeff Heck, Chief William M. Barr	enhorn f Fiscal	OF ILLINOIS t of Transportation , Secretary Officer, Director of	Date F&A Date
Project Location: Description and Reason: Determination:	Kennedy Road, Yor This authorization a thermoplastic paver and symbols can be crossing. (G1) The undersign germane to the orig provision for this wo	kville, IL dds letters and s nent marking so added to the pa ed determine tha nal contract as s rk is included in	symbols to that railroa ath at the ra at the chan signed, bec the original	the ad letters ailroad ge is ause I contract.	THE S By the Depa Randall S. Blank Jeff Heck, Chief William M. Barr	enhorn f Fiscal	OF ILLINOIS t of Transportation , Secretary Officer, Director of	Date F&A Date

FHWA Representative

Date

BC22 (rev. 01/24/17)



To:

Joe Wick

Attn: H. Fogarty

From:

Wayne Phillips

By: Linda Pohar

Subject:

Agreed Unit Price

Date:

August 18, 2017

X9300200

FAU Route 3793 Section 10-00042-00-BT Kendall County Contract 87628

In their letter of August 15, 2017, the contractor has submitted the following agreed unit prices or credits. In accordance with Construction Memorandum 10-4 (effective September 13, 2010), the District Estimator has reviewed the contractor's submittals and recommends the appropriate action be taken as shown in the *APPROVAL STATUS* column. Please note that any recommended action is based on the specified conditions and quantities shown in the submittal. If conditions and/or quantities change significantly from the original submittal, those affected items should be resubmitted for further review. In cases where proposed prices have been rejected, please have the contractor review their prices or perform the required work at force account.

Item Description	Estimated Quantity	Units	Proposed Price	Approval Status
THPL LTR & SYM	122.4	SQ FT	\$4.95	A1

	A = Accepted
A1	Price is reasonable and is in line with district's or state's historical average price.
A2	Price is justified; small quantity or unusual conditions exist.
A3	Price is fair; estimated costs are equitable to force account methods.
A4	Price is fair and is in line with contract unit prices of similar pay items on current contract.
A5	Price is fair and is in line with contract unit prices of pay items on similar contracts.
A6	Price is fair; see attached worksheet.
A7	Price is justified; cost is above normal expected price, but proposed cost of work includes other miscellaneous or incidental work items (i.e., traffic control).
A8	Credit is justified and represents costs saving generated from reduced labor, equipment, and material expenses.

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		R = Rejected
	R1	Price is unreasonable and is significantly higher than district's or state's historical average price. Please review.
	R2	Price cannot be justified; please provide additional information to support price.
	R3	Price appears higher than costs allowed by force account methods. Please review.
	R4	Price is not in line with contract unit prices of similar pay items on current contract. Please review.
	R5	Price is not in line with contract unit prices of pay items on similar projects. Please review.
	R6	Price appears higher than cost generated by attached worksheet. Please provide additional information.
	R7	Unable to determine an estimated cost of proposed work. Work is unique and no historical costs are available. Please have contractor provide specific
	R8	cost data from other projects to support price. Credit does not appear to offset expected savings. Please review.



"D" Construction, Inc.

General Contractor

1488 South Broadway Coal City, IL 60416 Office (815) 634-2555 Fax (815) 634-8748

July 13, 2017

Illinois Department of Transportation Divisions of Highways / District 3 700 East Norris Drive Ottawa, IL 61350

Attn: Joe Spica

RE: IDOT Contract #87628, Kennedy Road BP

Kendall County "D" Letter: 001

Dear Mr. Spica,

We have reviewed your request for the Thermoplastic Pavement Marking Letter and Symbols on the subject contract. We propose the following unit price.

THPL PVT MK L&S

\$4.95 / LF

Please review and provide direction.

Please call me at our office if you have any questions or need additional information.

Sincerely,

Steve Wahl

Project Manager



Reviewed By:	
Legal Finance	
Engineer City Administrator	
Human Resources	

Community Development

Agenda Item Number
New Business #4
Tracking Number
PW 2017-61

Agenda Item Summary Memo

Police Public Works

Title: 2018 RTBR Prog	gram	
Meeting and Date: P	ublic Works Committee – Septemb	ber 19, 2017
Synopsis: Review Rec	ommended Plan	
Council Action Previo	usly Taken:	
Date of Action:	Action Taken:	
Item Number:		
Type of Vote Required	l:	
Council Action Reque	sted: Consideration of Approval	
Submitted by:	Brad Sanderson	Engineering
	Name	Department
	Agenda Item Notes	s:



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: September 14, 2017

Subject: 2018 (FY19) Roads to Better Roads Program

The recommended 2018 (FY19) RTBR program based on a \$650,000 budget is noted below.

Street	Operation	Preliminary Cost
Spring Street (Bridge to McHugh)	Mill/Overlay	\$190,000
Teri Lane (Spring to North End)	Mill/Overlay	\$90,000
Walsh Drive (Barberry to North End)	Mill/Overlay	\$110,000
Pavillion Road (Rt 71 to City Limit)	Overlay	\$55,000
Crack Sealing	Crack Sealing	\$15,000
Pavillion Road Streambank Stabilization (Construction)	Maintenance	\$100,000
2018 (FY19) RTBR Construction Engineering/Testing	N/A	\$50,000
2019 (FY 20) RTBR Design Engineering	N/A	\$40,000
	Total	\$650,000

For reference, the last approved five-year plan is attached.

Spring Street was planned for 2018 (FY19) construction.

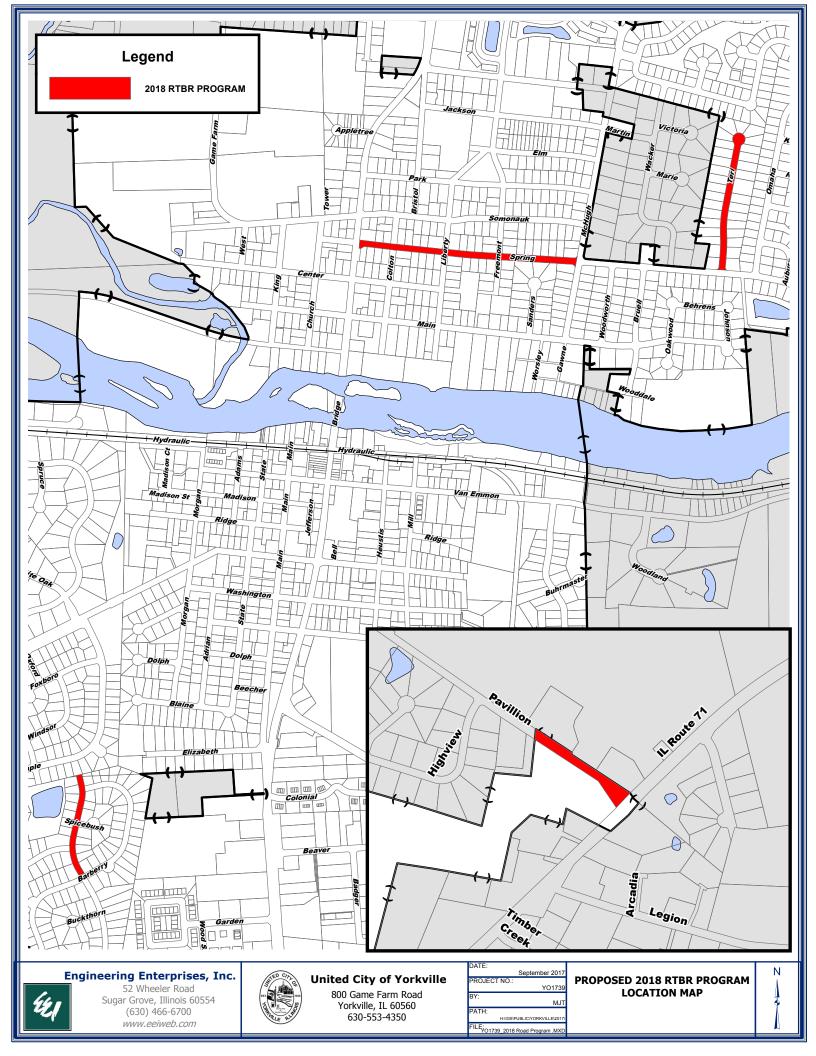
Teri Lane has deteriorated faster than the program had projected and it is need of repair. It is also adjacent to Spring Street, which will be efficient for a contractor to complete.

Walsh Drive has deteriorated faster than the program had projected and a portion of the street was resurfaced last year. The proposed project completes the paving of that section of street.

The northern section of Pavillion Road was resurfaced in 2017 (FY18). The southern section near Rt 71 was not completed. This section has deteriorated and is in need of patching and an overlay.

Also, it is recommended that the Road Study be updated every five to seven years. The field data gathered from the last study was completed in 2012. We are recommending that an updated study per performed and budgeted at \$65,000. The new study will include the gathering of field data along with preparing updated exhibits and a five-year plan.

At this time we are seeking approval to move forward with the 2018 (FY19) RTBR program. If you have any questions or require additional information, please let us know.



STREET	FROM	то	STRATEGY	DEFLECTION CONDITION	DYNAMIC CONDITION	SURFACE CONDITION	CURRENT RANK	COST
MADISON COURT	W. MADISON STREET	WEST END	MILL & OVERLAY	100	68	65	73	\$7,700
MADISON STREET	WEST END	MORGAN STREET	MILL & OVERLAY	100	70	52	64	\$24,500
MAIN STREET	W. VAN EMMON STEET	W. HYDRAULIC AVENUE	MILL & OVERLAY	100	75	62	75	\$12,400
MAIN STREET	S. BRIDGE STREET	W. RIDGE STREET	MILL & OVERLAY	100	83	60	76	\$123,80
WASHINGTON STREET	W. MORGAN STREET	S. MAIN STREET	MILL & OVERLAY	100	67	57	64	\$40,100
PAVILLION ROAD	FOX ROAD	CITY LIMIT	MILL & OVERLAY	97	67	65	67	\$139,00
E. RIDGE STREET	EAST END	MILL STREET	MILL & OVERLAY	100	83	47	71	\$32,300
TOWER LANE	SOMONAUK STREET	PUBLIC WORKS	MILL & OVERLAY	100	41	62	53	\$17,900
CITY HALL PARKING LOTS			MILL & OVERLAY	N/A	N/A	N/A	N/A	\$62,000
UBLIC WORKS PARKING LOT			MILL & OVERLAY	N/A	N/A	N/A	N/A	\$121,0 0
EECHER CENTER, LIBRARY, PARKS AND RECREATION, BRIDGE PARK PARKING LOT- SEAL & STRIPE				N/A	N/A	N/A	N/A	\$78,000
							TOTAL:	\$658,70
IF ELIGIBLE PROJECTS								
RIVERFRONT PARKING LOT			MILL & OVERLAY	N/A	N/A	N/A	N/A	\$29,000
EAST ALLEY PARKING LOT			OVERLAY	N/A	N/A	N/A	N/A	\$42,000
LTERNATIVE STREETS VERS	US PARKING LOT PROJECTS							
ELIZABETH STREET	WEST END	S. MAIN STREET	MILL & OVERLAY	100	69	72	78	\$52,500
RIDGE STREET	JEFFERSON STREET	S. MAIN STREET	MILL & OVERLAY	100	82	55	76	\$15,10
STATE STREET	W. HYDRAULIC STEET	W. RIDGE STREET	MILL & OVERLAY	100	80	54	73	\$44,00
WHEATON AVENUE	N. BRIDGE STREET	SHADOW WOOD DRIVE	MILL & OVERLAY	86	82	71	75	\$124,60

2018 (FY19) STREET REHABILITATION LIST								
STREET	FROM	то	STRATEGY	DEFLECTION CONDITION	DYNAMIC CONDITION	SURFACE CONDITION	CURRENT RANK	COST
ELM STREET	MCHUGH ROAD	FREEMONT STREET	MILL & OVERLAY	100	70	61	73	\$59,400
JACKSON STREET	FREEMONT STREET	MARTIN AVENUE	MILL & OVERLAY	100	69	57	69	\$62,700
PARK STREET	MCHUGH ROAD	BRIDGE STREET	MILL & OVERLAY	100	66	64	71	\$125,000
SANDERS COURT	E. MAIN STREET	NORTH END	MILL & OVERLAY	100	46	69	62	\$44,100
SPRING STREET	W. SPRING STREET	QUINSEY ROAD	MILL & OVERLAY	87	74	64	67	\$268,200
WHEATON AVENUE	N. BRIDGE STREET	SHADOW WOOD DRIVE	MILL & OVERLAY	86	82	71	75	\$124,600
TOTAL:							\$684,000	

2019 (FY20) STREET REHABILITATION LIST								
STREET	FROM	то	STRATEGY	DEFLECTION CONDITION	DYNAMIC CONDITION	SURFACE CONDITION	CURRENT RANK	COST
ALAN DALE LANE	RED TAIL COURT	ALICE AVE	MILL & OVERLAY	81	66	80	64	\$49,400
ALICE AVENUE	CANNONBALL TRAIL	FAXON ROAD	MILL & OVERLAY	85	78	77	76	\$148,400
ELIZABETH STREET	WEST END	S. MAIN STREET	MILL & OVERLAY	100	69	72	78	\$52,500
FOX STREET	EAST END	MILL STREET	MILL & OVERLAY	87	71	82	78	\$35,200
LIBERTY STREET	SOUTH END	E. PARK STREET	MILL & OVERLAY	87	74	83	76	\$79,400
MCHUGH	FARMSTEAD DRIVE	CITY LIMIT	MILL & OVERLAY	100	78	71	76	\$44,300
OLSEN STREET	MILL STREET	EAST END	MILL & OVERLAY	74	61	75	64	\$40,100
ORANGE STREET	MILL STREET	EAST END	MILL & OVERLAY	86	72	71	75	\$36,100
RIDGE STREET	JEFFERSON STREET	S. MAIN STREET	MILL & OVERLAY	100	82	55	76	\$15,100
STATE STREET	W. HYDRAULIC STEET	W. RIDGE STREET	MILL & OVERLAY	100	80	54	73	\$44,100
TOTAL:							\$544,600	

2020 (FY21) STREET REHABILITATION LIST								
STREET	FROM	то	STRATEGY	DEFLECTION CONDITION	DYNAMIC CONDITION	SURFACE CONDITION	CURRENT RANK	COST
APPLETREE COURT	N. BRIDGE STREET	WEST END	MILL & OVERLAY	73	57	80	64	\$26,200
BARBERRY CIRCLE - WEST	WALSH DRIVE	WALSH DRIVE	MILL & OVERLAY	79	65	77	67	\$118,600
BARBERRY CIRCLE - EAST	WALSH DRIVE	WALSH DRIVE	MILL & OVERLAY	85	69	77	76	\$99,300
BEAVER STREET	S. BRIDGE STREET	DEER STREET	MILL & OVERLAY	85	79	72	67	\$81,800
BURNING BUSH DRIVE	WALSH DRIVE	WEST END	MILL & OVERLAY	77	63	77	69	\$44,000
COLONIAL PARKWAY	S. BRIDGE STREET	SCHOOLHOUSE ROAD	MILL & OVERLAY	85	73	74	75	\$90,400
DEER STREET	WOLF STREET	SCHOOLHOUSE ROAD	MILL & OVERLAY	84	71	79	69	\$100,300
TOTAL:						\$560,600		

PROPOSED 5 YEAR RTBR PROGRAM United City of Yorkville October 2016

2021 (FY22) STREET REHABILITATION LIST								
STREET	STREET FROM TO STRATEGY DEFLECTION DYNAMIC CONDITION CONDITION CONDITION RANK							соѕт
COTTONWOOD TRAIL	JOHN STREET	JOHN STREET	MILL & OVERLAY	87	70	80	73	\$126,700
COTTONWOOD COURT	COTTONWOOD TRAIL	WEST END	MILL & OVERLAY	100	80	75	84	\$9,100
DEIHL FARM ROAD	JOHN STREET	W. VETERANS PRKWY	MILL & OVERLAY	84	67	71	64	\$66,900
RIVER BIRCH DR	EAST END	WEST END	MILL & OVERLAY	89	71	80	79	\$9,100
RIVER BIRCH LN	RIVER BIRCH DR	WHITE OAK WAY	MILL & OVERLAY	99	89	73	85	\$19,700
SPRUCE COURT	WEST END	WHITE OAK WAY	MILL & OVERLAY	100	67	65	71	\$26,500
SYCAMORE ROAD	W. VETERANS PRKWY	CITY LIMIT	MILL & OVERLAY	87	70	76	71	\$88,800
WHITE OAK WAY	W. FOX STREET	NOWAY CIRCLE	MILL & OVERLAY	90	75	74	75	\$263,200
TOTAL:							\$610,000	



Reviewed By:				
Legal				
Finance				
Engineer				
City Administrator				
Human Resources				
Community Development				
Police				

Agenda Item Number			
New Business #5			
Tracking Number			
PW 2017-62			

Agenda Item Summary Memo

Public Works Parks and Recreation

Title: Intersections – Sign Control					
Meeting and Date: Pul	olic Works Committee – Septer	mber 19, 2017			
Synopsis:					
Council Action Previou	sly Taken:				
Date of Action:	Action Taken:				
Item Number:					
Type of Vote Required:					
	ed:				
Submitted by:	Brad Sanderson				
	Name	Department			
	Agenda Item No	tes:			



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: September 6, 2017

Subject: Cannonball Trail and N Carly Circle/Carly Drive Stop Sign

As requested, we investigated the possible installation of stop signs at the intersection of Cannonball Trail and N Carly Circle/Carly Drive. Our findings were as follows:

• Currently there is no signage control at the intersection.

- The intersection does not appear to have any sight distance constraints.
- The governing entity on traffic control signage is the Manual on Uniform Traffic Control Devices (MUTCD). The manual states as follows in regards to stop sign installation:

Guidance:

Engineering judgment should be used to establish intersection control. The following factors should be considered:

- A. Vehicular, bicycle, and pedestrian traffic volumes on all approaches;
- B. Number and angle of approaches;
- C. Approach speeds;
- D. Sight distance available on each approach; and
- E. Reported crash experience.

YIELD or STOP signs should be used at an intersection if one or more of the following conditions exist:

A. An intersection of a less important road with a main road where application of the normal right-of-way rule would not be expected to provide reasonable compliance with the law;

B. A street entering a designated through highway or street; and/or

C. An unsignalized intersection in a signalized area.

In addition, the use of YIELD or STOP signs should be considered at the intersection of two minor streets or local roads where the intersection has more than three approaches and where one or more of the following conditions exist:

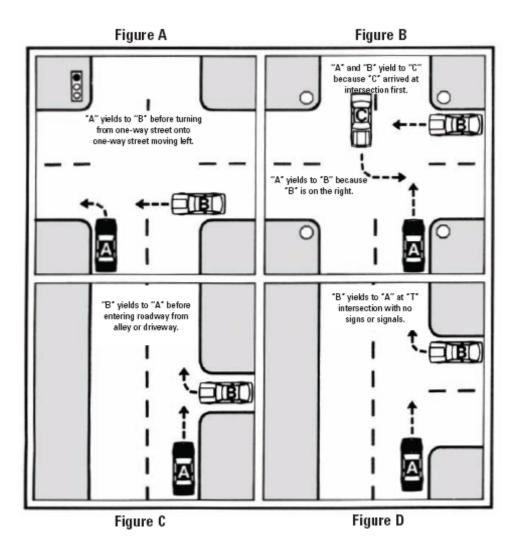
- A. The combined vehicular, bicycle, and pedestrian volume entering the intersection from all approaches averages more than 2,000 units per day;
- B. The ability to see conflicting traffic on an approach is not sufficient to allow a road user to stop or yield in compliance with the normal right-of-way rule if such stopping or yielding is necessary; and/or
- C. Crash records indicate that five or more crashes that involve the failure to yield the right-of-way at the intersection under the normal right-of-way rule have been reported within a 3-year period, or that three or more such crashes have been reported within a 2-year period.

Yield or Stop signs should not be used for speed control.

Since the traffic volume would appear to be below 2,000 units per day, there are no sight distance constraints and there does not appear to be an accident history, this intersection does not appear to be a

good candidate for a stop sign based on the above criteria. Generally, at an unsigned intersection, the application of the normal right-of-way rules would apply.

Figure D taken from the Illinois Drivers Manual shows that the minor roadway should yield to traffic on the major roadway at uncontrolled intersections.



It is our understanding that there may be a concern regarding speed on Cannonball Trail. This may be more properly addressed with enforcement or if necessary traffic calming devices.



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: September 6, 2017

Subject: Cannonball Trail and Cody Court/Patrick Court Stop Sign

As requested, we investigated the possible installation of stop signs at the intersection of Cannonball Trail and Cody Court/Patrick Court. Our findings were as follows:

- Currently there is no signage control at the intersection.
- The intersection does not appear to have any sight distance constraints.
- The governing entity on traffic control signage is the Manual on Uniform Traffic Control Devices (MUTCD). The manual states as follows in regards to stop sign installation:

Guidance:

Engineering judgment should be used to establish intersection control. The following factors should be considered:

- A. Vehicular, bicycle, and pedestrian traffic volumes on all approaches;
- B. Number and angle of approaches;
- C. Approach speeds;
- D. Sight distance available on each approach; and
- E. Reported crash experience.

YIELD or STOP signs should be used at an intersection if one or more of the following conditions exist:

A. An intersection of a less important road with a main road where application of the normal right-of-way rule would not be expected to provide reasonable compliance with the law;

B. A street entering a designated through highway or street; and/or

C. An unsignalized intersection in a signalized area.

In addition, the use of YIELD or STOP signs should be considered at the intersection of two minor streets or local roads where the intersection has more than three approaches and where one or more of the following conditions exist:

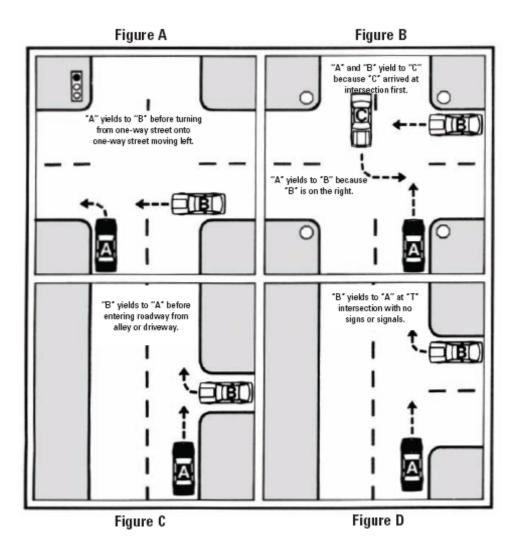
- A. The combined vehicular, bicycle, and pedestrian volume entering the intersection from all approaches averages more than 2,000 units per day;
- B. The ability to see conflicting traffic on an approach is not sufficient to allow a road user to stop or yield in compliance with the normal right-of-way rule if such stopping or yielding is necessary; and/or
- C. Crash records indicate that five or more crashes that involve the failure to yield the right-of-way at the intersection under the normal right-of-way rule have been reported within a 3-year period, or that three or more such crashes have been reported within a 2-year period.

Yield or Stop signs should not be used for speed control.

Since the traffic volume would appear to be below 2,000 units per day, there are no sight distance constraints and there does not appear to be an accident history, this intersection does not appear to be a

good candidate for a stop sign based on the above criteria. Generally, at an unsigned intersection, the application of the normal right-of-way rules would apply.

Figure D taken from the Illinois Drivers Manual shows that the minor roadway should yield to traffic on the major roadway at uncontrolled intersections.



It is our understanding that there may be a concern regarding speed on Cannonball Trail. This may be more properly addressed with enforcement or if necessary traffic calming devices.



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: September 6, 2017

Subject: Cannonball Trail and Independence Boulevard Stop Sign

As requested, we investigated the possible installation of stop signs at the intersection of Cannonball Trail and Independence Boulevard. Our findings were as follows:

- Currently there are yield signs at the approaches on Independence Boulevard.
- The intersection does appear to have sight distance constraints on the southeast corner of the intersection.
- The governing entity on traffic control signage is the Manual on Uniform Traffic Control Devices (MUTCD). The manual states as follows in regards to stop sign installation:

Guidance:

Engineering judgment should be used to establish intersection control. The following factors should be considered:

- A. Vehicular, bicycle, and pedestrian traffic volumes on all approaches;
- B. Number and angle of approaches;
- C. Approach speeds;
- D. Sight distance available on each approach; and
- E. Reported crash experience.

YIELD or STOP signs should be used at an intersection if one or more of the following conditions exist:

- A. An intersection of a less important road with a main road where application of the normal right-of-way rule would not be expected to provide reasonable compliance with the law;
- B. A street entering a designated through highway or street; and/or
- C. An unsignalized intersection in a signalized area.

In addition, the use of YIELD or STOP signs should be considered at the intersection of two minor streets or local roads where the intersection has more than three approaches and where one or more of the following conditions exist:

- A. The combined vehicular, bicycle, and pedestrian volume entering the intersection from all approaches averages more than 2,000 units per day;
- B. The ability to see conflicting traffic on an approach is not sufficient to allow a road user to stop or yield in compliance with the normal right-of-way rule if such stopping or yielding is necessary; and/or
- C. Crash records indicate that five or more crashes that involve the failure to yield the right-of-way at the intersection under the normal right-of-way rule have been reported within a 3-year period, or that three or more such crashes have been reported within a 2-year period.

Yield or Stop signs should not be used for speed control.

The traffic volume appears to be below 2,000 units per day and there does not appear to be an accident history at this location. However, since there are sight distance constraints on the southeast corner of the intersection, the intersection is a good candidate for a two-way intersection control.

The MUTCD states as follows in regards to multi-way stop sign installation:

Guidance:

The decision to install multi-way stop control should be based on an engineering study. The following criteria should be considered in the engineering study for a multi-way STOP sign installation:

- A. Where traffic control signals are justified, the multi-way stop is an interim measure that can be installed quickly to control traffic while arrangements are being made for the installation of the traffic control signal.
- B. Five or more reported crashes in a 12-month period that are susceptible to correction by a multi-way stop installation. Such crashes include right-turn and left-turn collisions as well as right-angle collisions.
- C. Minimum volumes:
 - 1. The vehicular volume entering the intersection from the major street approaches (total of both approaches) averages at least 300 vehicles per hour for any 8 hours of an average day; and
 - 2. The combined vehicular, pedestrian, and bicycle volume entering the intersection from the minor street approaches (total of both approaches) averages at least 200 units per hour for the same 8 hours, with an average delay to minor-street vehicular traffic of at least 30 seconds per vehicle during the highest hour; but
 - 3. If the 85th-percentile approach speed of the major-street traffic exceeds 40 mph, the minimum vehicular volume warrants are 70 percent of the values provided in Items 1 and 2
- D. Where no single criterion is satisfied, but where Criteria B, C.1, and C.2 are all satisfied to 80 percent of the minimum values. Criterion C.3 is excluded from this condition.

Option:

Other criteria that may be considered in an engineering study include:

- A. The need to control left-turn conflicts;
- B. The need to control vehicle/pedestrian conflicts near locations that generate high pedestrian volumes;
- C. Locations where a road user, after stopping, cannot see conflicting traffic and is not able to negotiate the intersection unless conflicting cross traffic is also required to stop; and
- D. An intersection of two residential neighborhood collector (through) streets of similar design and operating characteristics where multi-way stop control would improve traffic operational characteristics of the intersection

The intersection does not appear to meet any of these criteria, so it is not a good candidate for a multi-way stop sign installation.

To determine whether stop signs are warranted over yield signs, the MUTCD states:

Guidance:

At intersections where a full stop is not necessary at all times, consideration should first be given to using less restrictive measures such as YIELD signs (see Sections 2B.08 and 2B.09).

The use of STOP signs on the minor-street approaches should be considered if engineering judgment indicates that a stop is always required because of one or more of the following conditions:

A. The vehicular traffic volumes on the through street or highway exceed 6,000 vehicles per day; B. A restricted view exists that requires road users to stop in order to adequately observe conflicting traffic on the through street or highway; and/or

C. Crash records indicate that three or more crashes that are susceptible to correction by the installation of a STOP sign have been reported within a 12-month period, or that five or more such crashes have been reported within a 2-year period. Such crashes include right-angle collisions involving road users on the minor-street approach failing to yield the right-of-way to traffic on the through street or highway.

Based on Condition B above, it is recommended that the existing yield signs on the Independence Boulevard approaches be replaced with stop signs. As you can see in the images below, vehicles traveling westbound on Independence Boulevard cannot see vehicles traveling northbound on Cannonball Trail until they stop at the intersection.



Westbound Approach, Looking South 1



Westbound Approach, Looking South 2

It is our understanding that there may be a concern regarding speed on Cannonball Trail. This may be more properly addressed with enforcement or if necessary traffic calming devices.



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: September 6, 2017

Subject: Cannonball Trail and John Street Stop Sign

As requested, we investigated the possible installation of stop signs at the intersection of Cannonball Trail and John Street. Our findings were as follows:

- Currently there are yield signs at the approaches on John Street.
- The intersection does appear to have sight distance constraints on the northwest corner of the intersection.
- The governing entity on traffic control signage is the Manual on Uniform Traffic Control Devices (MUTCD). The manual states as follows in regards to stop sign installation:

Guidance:

Engineering judgment should be used to establish intersection control. The following factors should be considered:

- A. Vehicular, bicycle, and pedestrian traffic volumes on all approaches;
- B. Number and angle of approaches;
- C. Approach speeds;
- D. Sight distance available on each approach; and
- E. Reported crash experience.

YIELD or STOP signs should be used at an intersection if one or more of the following conditions exist:

- A. An intersection of a less important road with a main road where application of the normal right-of-way rule would not be expected to provide reasonable compliance with the law;
- B. A street entering a designated through highway or street; and/or
- C. An unsignalized intersection in a signalized area.

In addition, the use of YIELD or STOP signs should be considered at the intersection of two minor streets or local roads where the intersection has more than three approaches and where one or more of the following conditions exist:

- A. The combined vehicular, bicycle, and pedestrian volume entering the intersection from all approaches averages more than 2,000 units per day;
- B. The ability to see conflicting traffic on an approach is not sufficient to allow a road user to stop or yield in compliance with the normal right-of-way rule if such stopping or yielding is necessary; and/or
- C. Crash records indicate that five or more crashes that involve the failure to yield the right-of-way at the intersection under the normal right-of-way rule have been reported within a 3-year period, or that three or more such crashes have been reported within a 2-year period.

Yield or Stop signs should not be used for speed control.

Since the traffic volume is above 2,000 units per day and there are sight distance constraints on the northwest corner of the intersection, the intersection is a good candidate for a two-way intersection control.

The MUTCD states as follows in regards to multi-way stop sign installation:

Guidance:

The decision to install multi-way stop control should be based on an engineering study. The following criteria should be considered in the engineering study for a multi-way STOP sign installation:

- A. Where traffic control signals are justified, the multi-way stop is an interim measure that can be installed quickly to control traffic while arrangements are being made for the installation of the traffic control signal.
- B. Five or more reported crashes in a 12-month period that are susceptible to correction by a multi-way stop installation. Such crashes include right-turn and left-turn collisions as well as right-angle collisions.
- C. Minimum volumes:
 - 1. The vehicular volume entering the intersection from the major street approaches (total of both approaches) averages at least 300 vehicles per hour for any 8 hours of an average day; and
 - 2. The combined vehicular, pedestrian, and bicycle volume entering the intersection from the minor street approaches (total of both approaches) averages at least 200 units per hour for the same 8 hours, with an average delay to minor-street vehicular traffic of at least 30 seconds per vehicle during the highest hour; but
 - 3. If the 85th-percentile approach speed of the major-street traffic exceeds 40 mph, the minimum vehicular volume warrants are 70 percent of the values provided in Items 1 and 2
- D. Where no single criterion is satisfied, but where Criteria B, C.1, and C.2 are all satisfied to 80 percent of the minimum values. Criterion C.3 is excluded from this condition.

Option:

Other criteria that may be considered in an engineering study include:

- A. The need to control left-turn conflicts;
- B. The need to control vehicle/pedestrian conflicts near locations that generate high pedestrian volumes;
- C. Locations where a road user, after stopping, cannot see conflicting traffic and is not able to negotiate the intersection unless conflicting cross traffic is also required to stop; and
- D. An intersection of two residential neighborhood collector (through) streets of similar design and operating characteristics where multi-way stop control would improve traffic operational characteristics of the intersection

The intersection does not appear to meet any of these criteria, so it is not a good candidate for a multi-way stop sign installation.

To determine whether stop signs are warranted over yield signs, the MUTCD states:

Guidance:

At intersections where a full stop is not necessary at all times, consideration should first be given to using less restrictive measures such as YIELD signs (see Sections 2B.08 and 2B.09).

The use of STOP signs on the minor-street approaches should be considered if engineering judgment indicates that a stop is always required because of one or more of the following conditions:

A. The vehicular traffic volumes on the through street or highway exceed 6,000 vehicles per day; B. A restricted view exists that requires road users to stop in order to adequately observe conflicting traffic on the through street or highway; and/or

C. Crash records indicate that three or more crashes that are susceptible to correction by the installation of a STOP sign have been reported within a 12-month period, or that five or more such crashes have been reported within a 2-year period. Such crashes include right-angle collisions involving road users on the minor-street approach failing to yield the right-of-way to traffic on the through street or highway.

Based on Condition B above, it is recommended that the existing yield signs on the John Street approaches be replaced with stop signs. As you can see in the images below, vehicles traveling eastbound on John Street cannot see vehicles traveling southbound on Cannonball Trail until they stop at the intersection.

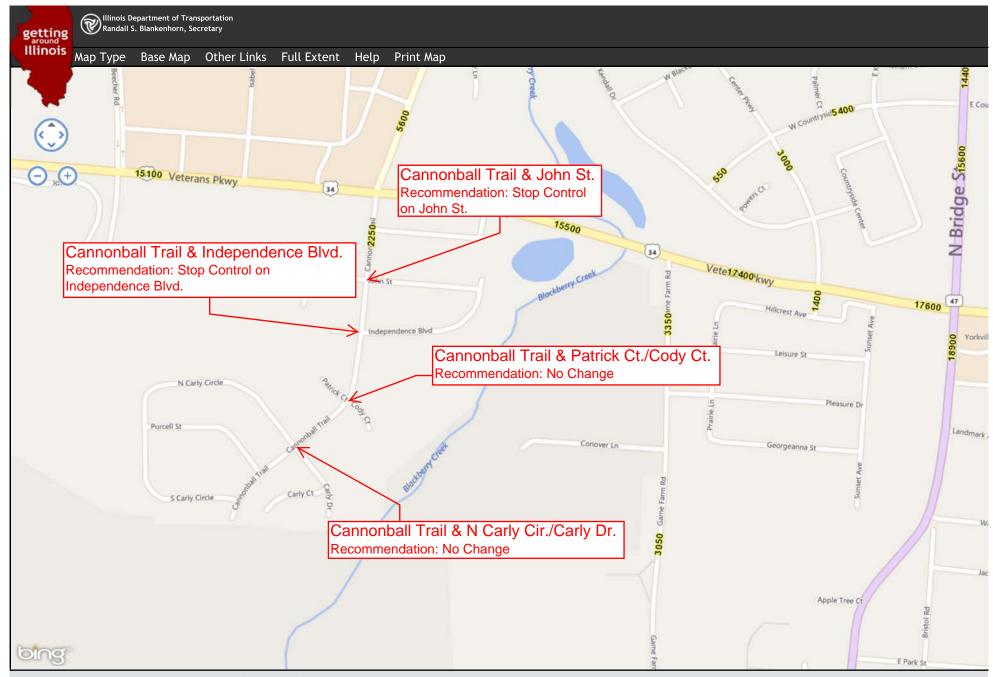


Eastbound Approach, Looking North 1



Eastbound Approach, Looking North 2

It is our understanding that there may be a concern regarding speed on Cannonball Trail. This may be more properly addressed with enforcement or if necessary traffic calming devices.



Illinois Department of Transportation 2300 S. Dirksen Parkway Springfield, IL 62764 - Contact

Disclaimer

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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: September 13, 2017

Subject: Autumn Creek Unit 2C Stop Signs

As requested, we investigated the possible installation of stop signs at all of the intersections located within Autumn Creek Unit 2C (Emerald Lane and Lilac Way/Violet Court, Emerald Lane and Ruby Drive, Emerald Lane and Slate Drive/Slate Court, and Slate Drive and Lilac Way/Lilac Court). Our findings were as follows:

- Currently there is no signage control at any of the intersections.
- The intersections do not appear to have any sight distance constraints.
- The governing entity on traffic control signage is the Manual on Uniform Traffic Control Devices (MUTCD). The manual states as follows in regards to stop sign installation:

Guidance:

Engineering judgment should be used to establish intersection control. The following factors should be considered:

- A. Vehicular, bicycle, and pedestrian traffic volumes on all approaches;
- B. Number and angle of approaches;
- C. Approach speeds:
- D. Sight distance available on each approach; and
- E. Reported crash experience.

YIELD or STOP signs should be used at an intersection if one or more of the following conditions exist:

- A. An intersection of a less important road with a main road where application of the normal right-of-way rule would not be expected to provide reasonable compliance with the law;
- *B.* A street entering a designated through highway or street; and/or
- C. An unsignalized intersection in a signalized area.

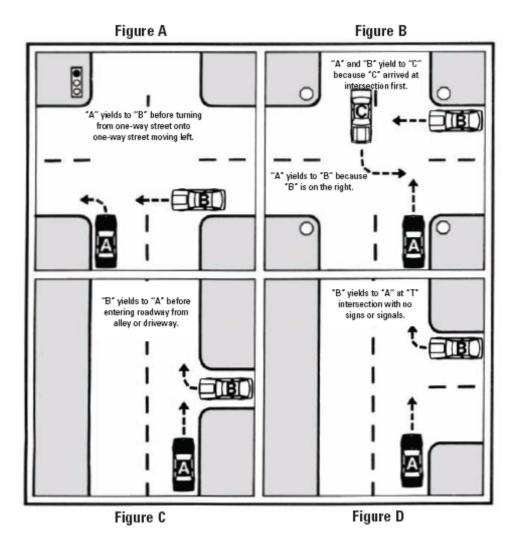
In addition, the use of YIELD or STOP signs should be considered at the intersection of two minor streets or local roads where the intersection has more than three approaches and where one or more of the following conditions exist:

- A. The combined vehicular, bicycle, and pedestrian volume entering the intersection from all approaches averages more than 2,000 units per day;
- B. The ability to see conflicting traffic on an approach is not sufficient to allow a road user to stop or yield in compliance with the normal right-of-way rule if such stopping or yielding is necessary; and/or
- C. Crash records indicate that five or more crashes that involve the failure to yield the right-of-way at the intersection under the normal right-of-way rule have been reported within a 3-year period, or that three or more such crashes have been reported within a 2-year period.

Yield or Stop signs should not be used for speed control.

Since the traffic volumes would appear to be below 2,000 units per day, there are no sight distance constraints and there does not appear to be an accident history, these intersections do not appear to be a good candidate for a stop sign based on the above criteria. Generally, at an unsigned intersection, the application of the normal right-of-way rules would apply.

Figure D taken from the Illinois Drivers Manual shows that the minor roadway should yield to traffic on the major roadway at uncontrolled intersections.



Google Maps Kennedy Rd



Imagery ©2017 Google, Map data ©2017 Google United States 200 ft



Reviewed By:				
Legal				
Finance				
Engineer				
City Administrator				
Human Resources				
Community Development				
Police				
Public Works				
Parks and Recreation				

Agenda Item Number				
New Business #6				
Tracking Number				
PW 2017-63				

Agenda Item Summary Memo

Title: Water Ordinar	nce	
Meeting and Date:	Public Works Committee – Se	ptember 19, 2017
Synopsis: See attach	ned memo.	
Council Action Prev	riously Taken:	
Date of Action:	Action Taken:	
Item Number:		
Type of Vote Requir	red: Majority	
Council Action Requ	uested: Approval	
Submitted by:	Erin Willrett	Administration
	Name	Department
	Agenda Item	Notes:



Memorandum

To: Public Works Committee

From: Erin Willrett, Assistant City Administrator

CC: Bart Olson, City Administrator

Date: September 19, 2017

Subject: Revision to Title 7 Chapter 5 Water Use and Service

Summary

Attached you will find the staff recommended revisions to the City's Codified Ordinance Title 7 Chapter 5 Water Use and Service. Staff began meeting to revise this Chapter in the Fall of 2016 and reviewed it section by section. Engineering and Legal has also reviewed the recommended changes.

Background

The red-lined version is attached for your reference. A lot of the changes are updates to match the current practice of the department or to match current legislation. A few key revisions from the Ordinance are listed below:

- Throughout the document staff added a reference to the most recent City Subdivision Control Ordinance for a specification reference.
- All references to the Superintendent of Public Works have been changed to the Director of Public Works.
- All references to the City Treasurer have been changed to the Finance Director.
- Bulk Water has been updated from \$5.00 to \$50.00 per load.
- Staff updated the Residential Connection Fee table as outlined in the Master Water Study that EEI authored. This assumes a cost calculated of \$1,587.00 per PE from the previous calculation of \$1,057.00 per PE.
- Changing the water meter testing threshold to meters that are at two percent accuracy, instead of four percent so that more accurate reads can be made.
- Proposed change to multi-unit buildings, mandating that each unit must be serviced by a single meter. In the case that that is not feasible, if there are delinquent accounts in the multi-unit building, the entire building may be shut-off, if it is attached by one meter to all units.
- Updated the turn-on fee to \$50.00 (currently \$5.00). This is an accurate reflection of staff time and transportation costs to turn-off/turn-on a unit that had been disconnected.

A comparison from current to proposed language is listed below for your use. Several sections have been modified and a side-by-side comparison is used.

• Section 7-5-1: Water Department:

CURRENT LANGUAGE

A. Supervision: The Water Department of the City shall be under the active supervision of the city administrator/engineer who shall report to the Public Works Committee the water committee of the city council. Said city administrator/engineer shall make a written report to the City Council of all his acts and doings whenever requested by the Council and such reports shall be placed on file with the City Clerk and shall show the kind and amount of materials used, the cost thereof and all expenses attending the work. He shall also keep a correct map of all water mains now or hereinafter laid in the City, with their dimensions, locations and connections, hydrants and cutoffs; and shall keep just, true and correct books of accounts, and such book, records, maps and other accounts shall be delivered to his successor or the City Council at any time, upon request.

PROPOSED LANGUAGE

A. Supervision: The Water Department of the City shall be under the supervision of the Director of Public Works who shall report to the City Council the activities of the Department whenever requested by the Council. He shall also keep a correct map of all watermains in the City, with their dimensions, locations and connection, hydrants and cutoffs; and shall keep such books, records, maps and other accounts, which shall be delivered to his successor.

Proposed Change 2

• Section 7-5-1: Water Department:

CURRENT LANGUAGE

B. 1. Salaries and Wages: Superintendent of Public Works: The Superintendent of Public Works shall receive his wages from the water fund for his services in the active supervision of said waterworks; such sum to be the current compensation policies fixed by resolution and set forth in the annual budget ordinance.

PROPOSED LANGUAGE

B. 1. Salaries and Wages: Director of Public Works: The Director of Public Works may receive his wages from the water fund for his services in the active supervision of said waterworks; such sum to be determined by the current City compensation policies.

• Section 7-5-1: Water Department:

CURRENT LANGUAGE

B. 2. Department Employees: The mayor and members of the city council shall have the authority to hire all other employees necessary for the proper operation and management of the waterworks. The wages of all such employees shall be fixed by resolution, and all wages and other expenses of the water department shall be paid out of the water fund through vouchers authorized and drawn in the like manner all other vouchers; except that such amounts shall be paid only out of the water fund.

PROPOSED LANGUAGE

B. 2. Department Employees: The Mayor, or his designee, shall have the authority to hire and fire all other employees necessary for the proper operation and management of the waterworks, all wages and other expenses of the water department may be paid out of the water fund in accordance with the budget as approved by the City Council.

Proposed Change 4

• Section 7-5-1: Water Department:

PROPOSED DELETION

C. Audit of Department: The City Council shall cause a proper audit to be made at least once each year of the Water Department. The report of such audit shall be open for inspection at all proper times to any taxpayer, water user or any holder of bonds issued by the Water Department.

Staff note - The audit is done annually for all City accounts. This language is redundant and therefore, proposed to be deleted.

• Section 7-5-2: Applications for Water Service and Connections

CURRENT LANGUAGE

All applications for water service connections and for water service shall be made in writing on forms to be furnished by the City. No approval for water service connection shall be granted unless and until said forms are filled out and signed by the applicant and until all fees for connection and meter are submitted.

PROPOSED LANGUAGE

All applications for water service connections and for water service shall be made in writing on forms to be furnished by the City. No approval for water service connection shall be granted unless and until said forms are completed and signed by the applicant with all fees for connection and meter. No connection to a water main shall be made without a permit being issued and 24 hour notice to the Director of Public Works. No water from the city water supply shall be turned on for service into any premises by any person until the water meter has been installed and is registering all water used at the premises.

Staff note - This language is clear and implicit when it comes to connections and who is allowed to turn on the water service.

Proposed Change 6

• Section 7-5-3: Water Service Connections and Installation

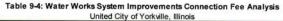
PROPOSED DELETION

A: "Projected PE Per Residence"

Staff note - The City has already considered this within the calculation and is listed as a total in the chart below. Therefore, staff is recommending removing the number from the chart and only listing the Proposed Connection Fee.

PROPOSED AMENDED RESIDENTIAL CONNECTION FEE TABLE:

Staff updated Residential Connection Fee table as outlined in the Master Water Study that EEI authored. This assumes a cost calculated of \$1,587.00 per PE from the previous calculation of \$1,057.00 per PE. The columns in the table below in black are proposed to be deleted to show the new PROPOSED cost calculated. The study recommends the new calculation shown, which is based on a portion of total cost based off of Average Daily Demand. See image below of the calculations and assumption from the Master Water Study.



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	Capacity (GPM)	PE Served	Total Project Cost	Cost Per PE
Additional Wells	1,295	15,540	\$3,133,000	\$202
Well Transmission Main Network ^a	4,695	59,565	\$9,298,000	\$157
Fox River Intake & LSWTP (25 MGD) ^m	5,791	59,565	\$24,047,000	\$404
Total Supply and Treatment			\$36,478,000	\$763
Treated Water Transmission Main Network	Size Varies	PE Served 59,565	Cost \$12,990,000	Cost Per PE \$218
WATER TRANSMISSION	DISTRIBUTION	MAIN AND DISTRIBU	ITION STORAGE COS	T PER PE
Treated Water Transmission Main Network	Varies	59,565	\$12,990,000	\$218
Elevated Water Storage Tank	2.0 MG	21,429	\$4,870,000	\$227
Distribution System Improvements	Varies	59,565	\$22,561,000	\$379
Total Water Transmission and Distribution			\$40,421,000	\$824
New Growth Pro Rata Water Transmission/l	Distribution/Storag	je Cost ^c	\$28,601,000	\$824
	FEE	SUMMARY		
				FEE PER SINGLE FAMIL
			FEE PER PE	UNIT (3.5 PE/SFU)
Water Supply and Treatment			FEE PER PE \$763	UNIT (3.5 PE/SFU) \$2,671
Water Supply and Treatment Water Transmission and Distribution				

- a. Cost shown is portion of total cost based off of Average Daily Demand (CT: 21.8% for Montgomery, 30.9% for Yorkville, 47.3% for Oswego; LRI:
- 20.7% for Montgomery, 32.6% for Yorkville; 46.7% for Oswego).

 m. Cost shown is portion of total cost based off of Maximum Daily Demand (CT: 20.1% for Montgomery, 32.6% for Yorkville, 47.3% for Oswego; LRI: 18.3% for Montgomery, 33.6% for Yorkville; 48.1% for Oswego).
- MaxAvg Day Ratio = 1.75
- 1 PE = 80 gpd (for all supply, treatment, storage, transmission, and distribution improvements)
- c. Based on 2015 population of 19,804 PE and 2050 projected population of 59,565 PE

For example, a Single Family Home is CURRENTLY calculated by 3.5 PE multiplied by the Current Fee of \$1,057.00 which would equal a Connection Fee of \$3,700.00. Staff is PROPOSING the calculation for a Single Family Home by calculating the same 3.5 PE multiplied by the Proposed Connection Fee of \$1,587.00 which would equal a Connection Fee of \$5,554.00. The proposed increase is \$1,854.00 (33.3%) for a Single Family Home.

RESIDENTIAL CONNECTION FEES

	PE/Type	Current Fee * PE	Current Connection Fee	PROPOSED Fee * PE	PROPOSED Connection
Residence Type			Connection 1 ee	ree TE	Fee
Efficiency or studio apartment	1	\$1,057.00	\$1,057.00	\$1,587.00	\$1,587.00
1 bedroom apartment/condominium	1.5	\$1,057.00	\$1,586.00	\$1,587.00	\$2,380.00
2 plus bedroom apartment/condominium	3	\$1,057.00	\$3,171.00	\$1,587.00	\$4,761.00
1 bedroom townhome	1.5	\$1,057.00	\$1,586.00	\$1,587.00	\$2,380.00
2 plus bedroom townhome	3	\$1,057.00	\$3,171.00	\$1,587.00	\$4,761.00
Duplex home	3	\$1,057.00	\$3,700.00	\$1,587.00	\$4,761.00
Single-family home	3.5	\$1,057.00	\$3,700.00	\$1,587.00	\$5,554.00

 Section7-5-3: Water Service Connections and Installation CURRENT LANGUAGE

Item B Materials, Equipment and Labor 1. If the superintendent of public works so desires, he may request the applicant furnish materials, equipment and labor to install the service connection. Where such the request is made the materials used shall be approved by the Superintendent of public works and the installer shall be bonded, qualified and approved by the Superintendent of Public Works before installation. If the Superintendent of Public Works provides any materials, equipment and labor to install the service connection, the cost of such equipment, materials and labor for this installation of such connections shall be in additional to the above charges.

PROPOSED LANGUAGE

Item B Materials, Equipment and Labor 1. The applicant shall furnish materials, equipment and labor to install the service connection. The materials used shall be in compliance with this Chapter and approved by the Director of Public Works and the installer shall be bonded, qualified as a licensed plumber and approved by the Director of Public Works before installation. If the Director of Public Works provides any materials, equipment and labor to install the service connection, the cost of such equipment, materials and labor for the installation of such connections shall be in addition to the above charges.

Proposed Change 9

• Section 7-5-3: Water Service Connections and Installation

PROPOSED DELETION

Item B Materials, Equipment and Labor 2. "The installation of the service connection by applicant shall be allowed only where connection will be made to the new watermains that are not yet in service. Where connection is made to existing city owned watermains, the installation of the service connection shall be made by the superintendent."

Staff Note - That language does not represent current practice as the connection is not made by the Superintendent. This language was deleted in its entirety.

• Section 7-5-4: Water Meters

CURRENT LANGUAGE

All water furnished consumers shall be metered, and all meters shall be of a standard and approved make and shall be furnished by the City and set by the Water Department. Meters shall remain the property of the City and are subject to removal any time.

PROPOSED LANGUAGE

All water furnished consumers shall be metered, and all meters shall be in compliance with this Chapter, and shall be furnished by the City and set by the Water Department or licensed plumber. Meters shall remain the property of the City and are subject to removal any time. It shall be the responsibility of the property owner to furnish protection to the water meter from theft, vandalism, breakage due to weather conditions or any other damages which may occur. The property owner will be required to pay for any repair to or replacement costs of the water meter if such is necessary (for other than normal maintenance); otherwise, the water meter is the responsibility of the Department of Public Works for accuracy and maintenance, and/or replacement."

Staff Note - This language clearly defines who is monetarily responsible for repair or replacement of the meter.

Proposed Change 10

• Section 7-5-4-5: Meter Testing

PROPOSED LANGUAGE

A. Tests May be Made: "In case of doubt as to the accuracy of a meter, the consumer may request a text to be made....and if the meter is found to measure more than TWO (2%) incorrectly, no charge shall be made; and if an over-register of more than TWO percent (2%) is found....If said meter registers within TWO percent (2%) of accuracy, then all expense of testing shall be borne of the person making the request."

Staff Note – The proposed language above is the same as the current language, except that staff recommends the percentage change from FOUR to TWO percent to gain more accuracy to meter reads.

• Section 7-5-4-7: Service to More than One Customer Through Single Meter:

CURRENT LANGUAGE

If, at the request of and for the convenience of the owner of a premises containing more than one customer, water is furnished to said premises through a single meter for the purpose of redistribution to the several customers, the charged set forth for service for a single family meter shall be multiplied by the number of customers served and the product there from shall be the water service connection charge.

PROPOSED LANGUAGE

SERVICE TO MULTI-FAMILY RESIDENTIAL BUILDINGS WITH ONLY A SINGLE METER OR SHUT-OFF:

- A. If water is furnished to a multi-family building through a single meter for the purpose of redistribution to the several customers, the water service connection charge shall be the charge for a single-family meter multiplied by the number of customers served.
- B. No new water service shall be provided by the City to a multi-family building unless each single-family dwelling unit has a separate meter and shutoff box. It is the expressed policy of the City to prevent the establishment of and to encourage the elimination of all multi-family buildings with only a single meter or shutoff box except as allowed in this section.
- C. Effective August 1, 2018, service to a multi-family building with a single meter or shutoff box shall be billed only in the name of the landlord/owner or his or her duly appointed agent until such water service is exclusive to each single-family dwelling unit with meter and shutoff box. Agents appointed to act for the landlord/owner must be identified and authorized in writing to the City by the landlord/owner. The landlord/owner may also be a person, partnership or corporate entity lawfully designated as being solely responsible for the payment of water service to the City.
- D. Whenever a disconnection is authorized for a multi-family building with a single meter or shutoff box, water service shall not be reconnected until a separate shutoff box and meter is installed for each single-family dwelling unit at the landlord/owner's expense.

Staff Note - This language allows the City to have access to shut-off and/or turn-on in individual residences in a multi-family dwelling unit.

Proposed Change 12

• Section 7-5-5-1: Water Service Rates and Charges:

Staff Note – We changed the location of bulk water rates by moving those charges to this section of the ordinance under a new Section D, and stipulated that the bulk water rate is \$50 per load.

• Section 7-5-5-1: Water Service Rates and Charges:

PROPOSED DELETION

D. Temporary Water use; Unmetered Rates: The flat rate for water services supplied on a temporary basis without meters shall be as follow.

Staff Note - This was removed because the practice is no longer in place, allowing all to purchase a bulk water rate.

Proposed Change 14

• Section 7-5-5-1: Water Service Rates and Charges:

PROPOSED DELETION

E. "Private Sprinkler and Fire Suppression Systems"

Staff Note - This is an old practice and is no longer in use.

Proposed Changes 15. 16, 17 & 18

• Section 7-5-5-2: Bills for Service; Delinquencies:

PROPOSED LANGUAGE

A. First notice bills for water furnished shall be mailed on or about January 1, March 1, July 1, September 1, and November 1 of each year.

Staff Note – This language reflects current practice, outlining the notice for bill dates (every other month starting in January).

PROPOSED LANGUAGE

B. After 30 days from the mailing of the first bill and the bill not being paid a delinquent second notice bill shall be mailed.

Staff Note – This will allow the second notice to be mailed 30 days from the mailing of the first bill not being paid.

PROPOSED MODIFICATION

C. Turn-on fee increase from a \$5.00 to a \$50.00 fee.

Staff Note - Staff believes this accurately reflects the charge for administration and labor time for the turn on.

PROPOSED DELETION

Section D. "Additional Deposit Required"

Staff Note - It is not the current practice to require an additional deposit for a delinquent user.

• Section 7-5-5-3: Responsibility of Water Service Customer:

PROPOSED ADDITIONAL LANGUAGE:

If the bill for a building with multiple units and a single meter with one owner who pays the bill for all of the units is delinquent, the City may shut-off the entire building as provided in Section 7-5-5-2C.

Staff Note - This would only affect a multiple-unit building, as it would provide a way for the staff to shut-off the building for delinquent payment. And also links to the shut-off access described in Section 7-5-4-7.

Proposed Change 20

• Section 7-5-6: Waterworks Revenue:

PROPOSED DELETION

C. – "Water Surplus Account and Water Bond Redemption Account"

Staff Note - These accounts are no longer active and do not apply.

Proposed Change 21

• Section 7-5-7: Change of Residence By Water Service Customers:

PROPOSED MODIFICATION

Turn-on fee increase from a \$5.00 to a \$50.00 fee.

Staff Note - Staff believes this accurately reflects the charge for administration and labor time for the turn on.

Proposed Change 22

• Section 7-5-9: Prohibited Acts and Conditions:

CURRENT LANGUAGE

B. Unnecessary Waste of Water: Consumers shall prevent unnecessary waste of water and keep all water outlets closed when not in actual use. If unnecessary waste of water takes place, the City Council reserves the right to cut-off the supply, and City further reserves the right to prohibit the use of water for yard sprinklers, elevators and large consumers of water when, in the judgment of the Council, it shall be necessary to do so.

PROPOSED LANGUAGE

B. It shall be the duty of all consumers of city water, at any times, to exercise due diligence to prevent waste of the water supply and to this end shall stop any leaks on their premises. The city water supply will be shut-off from any and all premises until such violation of this rule is corrected.

• Section 7-5-9: Prohibited Acts and Conditions:

PROPOSED ADDITIONAL LANGUAGE

C. 5.: Resale of Water Prohibited: No water shall be resold or distributed by the recipient thereof from the City supply to any premises at a rate other than that charged by the City. A person who resells water from the City supply shall not add any additional costs or charges to the rate charged by the City, other than any applicable administrative fee. The billing statement shall include any applicable administrative fee as a separate line item on the bill. The line item for the administrative fee shall also include the name of the entity that is charging the fee. Any billing statement for water resale shall solely be in the name of the reseller or his or her assigns. The billing statement shall not include any references to the City or the City's logo.

Proposed Change 24

• Section 7-5-9: Prohibited Acts and Conditions:

PROPOSED ADDITIONAL LANGUAGE

C. 6.: Damage to or Tampering with System: It is unlawful for any person not authorized by the Director of Public Works to tamper with, alter, or injure any part of the City's waterworks or supply system or any meter.

Recommendation

Staff recommends approval of the attached revision to Title 7 Chapter 5 Water Use and Service to the City's Codified Ordinances.

Title 7

Chapter 5

WATER USE AND SERVICE 7-5-1: WATER DEPARTMENT:

7-5-2: APPLICATIONS FOR WATER SERVICE AND CONNECTIONS:

7-5-3: WATER SERVICE CONNECTIONS AND INSTALLATIONS:

7-5-4: WATER METERS:

7-5-4-1: METER COSTS:

7-5-4-2: METER LOCATIONS:

7-5-4-3: SIZE OF METERS:

7-5-4-4: MAINTENANCE AND REPAIR:

7-5-<u>4-5: METER TESTING:</u>

7-5-4-6: READING METERS:

7-5-4-7: SERVICE TO MORE THAN ONE CUSTOMER THROUGH SINGLE METER:

7-5-5: WATER SERVICE RATES; BILLING PROCEDURES:

7-5-5-1: WATER SERVICE RATES AND CHARGES:

7-5-5-2: BILLS FOR SERVICE; DELINQUENCIES:

7-5-5-3: RESPONSIBILITY OF WATER SERVICE CUSTOMER; DEPOSIT:

7-5-6: WATERWORKS REVENUE:

7-5-7: CHANGE OF RESIDENCE BY WATER SERVICE CUSTOMERS:

7-5-8: WATER SHUTOFFS AND TURNONS:

7-5-9: PROHIBITED ACTS AND CONDITIONS:

7-5-10: TEMPORARY SERVICE TO CONTRACTORS:

7-5-11: REGULATIONS FOR DEVELOPERS:

7-5-12: PRIVATE SPRINKLER AND FIRE PROTECTION SYSTEMS:

7-5-13: WATER CUSTOMER CONTRACTUAL AGREEMENT:

7-5-14: VIOLATION AND PENALTY (REP. BY ORD. 2008-74, 8-26-2008):

7-5-15: WATER CONSERVATION REGULATIONS:

7-5-16: INSPECTION; AUDIT; APPEAL:

7-5-1: WATER DEPARTMENT: 🔨

A. Supervision: The Water Department of the City shall be under the active supervision of the the city administrator/engineer-Director of Public Works who shall report to the PUlic Works Committee the water committee of the city council. who Said city administrator/engineer Said Director shall make a written report to the City Council the activities of the Department of all his acts and doings whenever requested by the Council, and such reports shall be placed on file with the City Clerk and shall show the kind and amount of materials used, the cost thereof and all expenses attending the work. He shall also keep a correct map of all water mains now or hereinafter laid in the City, with their dimensions, locations and connections, hydrants and cutoffs; and shall keep just, true and correct books of accounts, and such books, records, maps and other accounts which shall be delivered to his successor or the City Council at any time, upon request.

B. Salaries And Wages:

1. Superintendent Director Oof Public Works: The Superintendent Director of Public Works shall may receive his wages from the water fund for his services in the active

supervision of said waterworks; such sum to be <u>determined by the current City</u> <u>compensation policies. compensation policies fixed by resolution and set forth in the annual budget ordinance. (Ord 1974, 69, 10 24 1974; and 19953 Code).</u>

- 2. Department Employees: The mayor and members of the city council. The Mayor, or his designee, shall have the authority to hire and fire all other employees necessary for the proper operation and management of the waterworks, The wages of all such employees shall be fixed by resolution, and all wages and other expenses of the water department may shall be paid out of the water fund through vouchers authorized and drawn in the like manner's all other vouchers; except that such amounts shall be paid only out of the water fund. in accordance with the budget as approved by the City Council.
- C. Audit Of Department: The City Council shall cause a proper audit to be made at least once each year of the Water Department. The report of such audit shall be open for inspection at all proper times to any taxpayer, water user or any holder of bonds issued by the Water Department. (Ord. 1974–69, 10-24-1974)

7-5-2: APPLICATIONS FOR WATER SERVICE AND CONNECTIONS: \$\square\$

All applications for water service connections and for water service shall be made in writing on forms to be furnished by the City. No approval for water service connection shall be granted unless and until said forms are completedfilled-out and signed by the applicant withand-until-all-fees for connection and meter-are submitted. No connection to a water main shall be made without a permit being issued and twenty-four (24) hours notice to the Director of Public Works. No water from the City water supply shall be turned on for service into any premises by any person until the water meter has been installed and is registering all water used at the premises. (Ord. 1974-69, 10-24-1974)

7-5-3: WATER SERVICE CONNECTIONS AND INSTALLATIONS: 🞾

A. Location Of Connections And Installations—Charge: All connections and installations of water service shall, upon application, be made from the existing main upon applicant's street to the street side of applicant's sidewalk or to a point four feet (4') within the curb line, whichever point the Superintendent Director of Public Works shall determines elect. Said connections and installations shall be witnessed by authorized employees of the City and only after payment by the user or property owner at the time of application for water to the Finance Director City Treasurer or collector of a connection fee as outlined below: (Ord. 1982-9, 3-25-1982; amd. 1994 Code)

RESIDENTIAL CONNECTION FEES¹

RESIDENTIAL CONTRECTION TEE	~	
	Projected	Connection Fee Based On \$ 1,057.00/PE
	PE Per	
	Residence	
Residence Type	-	
Efficiency or studio apartment	1.00	\$ 1,057.00 <u>1,587.00</u>
1 bedroom apartment/condominium	1.50	\$ 1,586.00 2,380.00

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2 plus bedroom apartment/condominium	3.00	\$ <u>4,761.00</u> 3,171.00
1 bedroom townhome	1.50-	\$ 1,586.00 2,380.00
2 plus bedroom townhome	3.00	\$ 3,171.00 4,761.00
Duplex home	3.50	\$ 3,700.00 4,761.00
Single-family home	3.50	\$ 3,700.00 5,554.00

NON-RESIDENTIAL CONNECTION FEES²

Water Meter Size	Water Connection Fee	
Less than or equal to 1 inch	\$ 3,700.00	
$1^{1}/_{2}$ inch	4,000.00	
2 inch	5,000.00	
3 inch	8,000.00	
4 inch	15,000.00	
6 inch and larger	TBD	

Notes:

The above connection fees shall not include the connection only for supplying water for fire suppression.

Non-residential land use shall be considered all land uses other than those defined in the residential connection fees table.

TBD = Connection fee to be determined by City Council on a case by case basis.

(Ord. 2006-32, 4-25-2006)

B. Materials, Equipment And Labor:

1. If the superintendent of public works so desires, he may request The applicant will shall furnish materials, equipment and labor to install the service connection. Where such request is made the The materials used shall be in compliance with this Chapter and approved by the Superintendent Director of public Public Wworks and the installer shall be bonded, qualified as a licensed and plumber and approved by the Superintendent Director of Public Works before installation. If the Superintendent-Director of Public Works provides any materials, equipment and labor to install the service connection, the cost of such equipment, materials and labor for the installation of such connections shall be in addition to the above charges.

2. The installation of the service connection by applicant shall be allowed only where connection will be made to the new watermains that are not yet in service. Where

connection is made to existing city owned water mains, the installation of the service connection shall be made by the superintendent.

C. Construction Specifications: All service connections and installations shall be <u>in compliance</u> with the City's then effective Standard Specifications For Improvements adopted by the City <u>Council</u> provided with corporation cock, curb stopcock, shutoff and curb box <u>and of a standard and approved type</u>, and shall be subject to approval by the <u>Superintendent Director</u> of Public Works. All materials, including pipe, stopcock and valves shall be <u>of a standard and approved type and placed</u> and located under the direction of the <u>Superintendent Director</u> of Public Works. (Ord. 1982-9, 3-25-1982; amd. <u>1994-2016</u> Code)

7-5-4: WATER METERS: [©]

All water furnished consumers shall be metered, and all meters shall be in compliance with this Chapter of a standard and approved make, and shall be furnished by the City and set by the Water Department or licensed plumber. Meters shall remain the property of the City and are subject to removal any time. It shall be the responsibility of the property owner to furnish protection to the water meter from theft, vandalism, breakage due to weather conditions or any other damages which may occur. The property owner will be required to pay for any repair to or replacement costs of the water meter if such is necessary (for other than normal maintenance); otherwise, the water meter is the responsibility of the Department of Public Works for accuracy and maintenance, and/or replacement. (Ord. 1974-69, 10-24-1974)

7-5-4-1: METER COSTS: 🚭

All meters and shall be purchased <u>fromthrough</u> the City <u>at the then current prices as established</u> <u>by the City Council</u> and will include the meter, couplers, gaskets, back flow prevention device (for residential units only) meter wire and outside reader.

Applicants purchasing non-residential meters will be required to purchase an approved back flow prevention device separately. Prices of water meters will be reviewed from time to time by the City Council and set by ordinance.

Residential Meter Costs	
5/8"x3/4" -	\$435.00
3/4"x3/4" -	\$460.00
* 1" -	\$590.00

* used only when necessitated by plumbing code

Non-Residential Meter Costs

1 1/2" -	\$1900.00	
2" -	\$2110.00	
3" -	\$2600.00	

The costs involved in furnishing and installing the meter shall be borne by the applicant. Costs to be reimbursed to the city shall include the meter, remote readers, valves, checkvalves, meter setting hardware and labor. The charges shall be actual cost for materials and labor including fringe benefits, but excluding any fees for overhead, profit or similar marginal costs. (Ord. 1974 69, 10 24 1974)

7-5-4-2: METER LOCATIONS: **

The owners must shall provide suitable locations in the water piping systems for the metersame and meters shall be placed on a service pipe not to exceed two feet (2') from the wall where such pipe enters the premises. The owner shall provide a shutoff valve on the inlet side of the meter and a shutoff valve on the outlet side of the meter. The City shall provide a suitable check valve on the outlet side of the meter. The City shall provide a suitable check valve on the outlet side of the meter. There shall be provided a suitable place for the meter so as to keep it dry and clean, and readily accessible at all times to the meter reader and inspector of the Water Department. (Ord. 1974-69, 10-24-1974)

7-5-4-3: SIZE OF METERS: **

- A. The size of meter required for any metered water supply shall be governed by the size and character of the premises served or to be served, <u>as determined by the Building Code Official</u>, <u>in accordance with City Building Codes</u>. The size of meters so specified shall be subject to change from time to time as demand or other condition may require.
- B. The <u>City mayright is reserved to</u> require an increase <u>or decrease</u> in the size of <u>a</u> meter in any case where, in the discretion of the City, the use of water exceeds the capacity of the meter<u>or</u> <u>the use is not accurately measured</u>. (Ord. 1974-69, 10-24-74)

7-5-4-4: MAINTENANCE AND REPAIR: **

Owners or occupants shall be responsible for the care and protection of a meter, but a meterthe same shall be subject to inspection and test at any reasonable time by the Water Department; however, meters may be repaired by the City at no cost to the owner and no one Department. No person shall interfere with the registration of or break a seal on any meter; providing, however, that the Superintendent Director of Public Works may grant permission to break a seal for draining pipe or stopping leaks. (Ord. 1974-69, 10-24-74; 1994 Code)

7-5-4-5: METER TESTING: [©]

A. Tests May be Made: In case of doubt as to the accuracy of a meter, the consumer may request accomplain and tests tomay be made by the Superintendent Director of Public Works and if the

meter is found to measure more than <u>four two</u> percent (42%) incorrectly, no charge shall be made; and if an over-register of more than <u>four two</u> percent (42%) is found, a proportional deduction shall be made from the previous water bill. If said meter registers within <u>four two</u> percent (42%) of accuracy, then all expense of testing shall be borne by the person making the <u>requesteomplaint</u>. (Ord. 1974-69, 10-24-74; and. Ord. 1983-15, 9-22-83; 1994 Code)

B. Entry Powers: The <u>Superintendent Director</u> of Public Works or his designated employees in the City Water <u>Department, Department</u> shall be allowed access <u>at any reasonable time</u> to the residences of all City water users for the purposes of checking the accuracy of the water meter located in the home <u>when the home is equipped with a remote water meter indicator on the outside of the residence at all reasonable times</u>. (Ord. 1984-1, 3-22-84)

7-5-4-6: READING METERS: **

The <u>Superintendent-Director</u> of Public Works shall determine the amount of water usage by each individual customer of the City pursuant to any of the <u>following three methodsfollowing</u> <u>methods</u> to be selected by him in his absolute and sole discretion:

A. An actual meter reading done by <u>physical examination of the water meter or remote radio</u>
<u>read, by</u> employees of the City Water Department on a quarterly basis, but no less than one time a year on a bi-monthly basis; or

B. A customer meter reading returned to the City Water Department at the request of the Superintendent of Public Works by the customer; or

B. An estimated reading based on customer's usage, during the quarter being estimated from the last one year of the customer's usage. In the event any specific customer has less than a one year history of water usage with the City, said estimates Estimates shall be based on the most recently ascertainable data on individual usage available to the Superintendent Director of Public Works. In no event shall estimated water billings be made for more than three (3) calendar quarters consecutive billing periods in any one year. (Ord. 1984-1, 3-22-84)

7.5.4.7: SERVICE TO MORE THAN ONE CUSTOMER THROUGH SINGLE METER:

If, at the request of and for the convenience of the owner of a premises containing more than one customer, water is furnished to said premises through a single meter for the purpose of redistribution to the several customers, the charges set forth for service for a single family meter shall be multiplied by the number of customers served and the product there from shall be the water service connection charge. (Ord. 1974 69 10 24 74; 1994 Code)

7.5.5: WATER SERVICE RATES: BILLING PROCEDURES: **

7-5-4-7: SERVICE TO MULTI-FAMILY RESIDENTIAL BUILDINGS WITH ONLY A SINGLE METER OR SHUTOFF

A. If water is furnished to a multi-family building through a single meter for the purpose of redistribution to the several customers, the water service connection charge shall be the charge for a single-family meter multiplied by the number of customers served.

- No new water service shall be provided by the City to a multi-family building unless each single-family dwelling unit has a separate meter and shutoff box. It is the expressed policy of the City to prevent the establishment of and to encourage the elimination of all multi-family buildings with only a single meter or shutoff box except as allowed in this section.
- Effective August 1, 2018, service to a multi-family building with a single meter or shutoff box shall be billed only in the name of the landlord/owner or his or her duly appointed agent until such water service is exclusive to each single-family dwelling unit with meter and shutoff box. Agents appointed to act for the landlord/owner must be identified and authorized in writing to the City by the landlord/owner. The landlord/owner may also be a person, partnership or corporate entity lawfully designated as being solely responsible for the payment of water service to the City.
- D. Whenever a disconnection is authorized for a multi-family building with a single meter or shutoff box, water service shall not be reconnected until a separate shutoff box and meter is installed for each single-family dwelling unit at the landlord/owner's expense."

7-5-5-1: WATER SERVICE RATES AND CHARGES: 4



- A. Water Infrastructure Improvement And Maintenance Fee; Water Service Rates Established:
 - 1. All water users shall be charged a water infrastructure improvement and maintenance fee of four dollars eight dollars twenty five cents (\$8.254.00) per month through April 30, 20137. (Ord. 2012-18, 6-26-2012, 2016 Code)
 - 2. Water service rates shall be as follows:

a. Effective May 1, 2014, the water rates shall be:

\$14.00 up to 350 cubic feet of usage

\$2.97 per 100 cubic feet of usage over 350 cubic feet (Ord. 2014-14, 4-22-2014)

b. Effective May 1, 2015, the water rates shall be:

\$16.00 up to 350 cubic feet of usage

\$3.65 per 100 cubic feet of usage over 350 cubic feet (Ord. 2015 22, 4 28 2015)

c. Effective May 1, 2016, the water rates shall be:

\$17.00 up to 350 cubic feet of usage

\$4.30 per 100 cubic feet of usage over 350 cubic feet

d. Effective May 1, 2017, the water rates shall be:

\$17.00 up to 350 cubic feet of usage

\$4.30 per 100 cubic feet of usage over 350 cubic feet

e. Effective May 1, 2018, the water rates shall be:

\$17.00 up to 350 cubic feet of usage

\$4.30 per 100 cubic feet of usage over 350 cubic feet (Ord. 2014-14, 4-22-2014)

- 3. In determining the quantity used for billing purposes, one hundred (100) cubic feet shall include any fractional amount of cubic feet used. (Ord. 2010-21, 5-25-2010)
- B. More Than One <u>Water Customer Through A Single Meter: After the effective date hereof, Eeach residential dwellinghousing</u> unit or <u>individual multi-tenant</u> commercial <u>tenant</u> <u>unitdevelopments</u> will be charged <u>for water</u> as outlined in this section, regardless of the number of housing <u>or commercial units</u> units that are served through a single meter._-(Ord. 1982-9, 3-25-1982; amd. 1994 Code)

C. Users Outside City Limits:

- 1. Water Rates: For all water consumption and water services rendered beyond the city limits for which each service shall be by meter registration, charges shall now be at the normal in city water rates and no further double charge shall be made.
- 1. Water Line And Plant Maintenance Fee: From January 1, 1984, forward, a water line and plant maintenance fee shall be charged at the rate of six dollars and seventy cents (\$6.70) per month to be paid with each water bill, and upon the same terms, conditions and enforcements for each water service meter registration outside of the City; with said water line and plant maintenance fee being established herein by reason of the additional costs, which may vary from time to time, incurred by the City in maintaining and servicing a water delivery system not within its boundaries. (Ord. 1983-17, 12-15-1983)
- D. Bulk Water Rates: Bulk water rates are \$50.00 per load.
- D. Temporary Water Use; Unmetered Rates: The flat rate for water services supplied on a temporary basis without meters shall be as follows:

Filling outdoor swimming pools	\$ 75.00
Outdoor shows, including carnivals, circuses and wild west shows, per day	105 .00
Unmetered service generally, per day	30 .00

(Ord. 1982 9, 3 25 1982)

E. Private Sprinkler And Fire Protection Systems: The following rates and charges shall apply to all sprinkler and fire protection services connected with the water mains of the city:

1. Sprinkler system service:

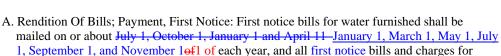
For each connection serving 500 sprinkler heads or less, semiannually	\$12.50
For each additional sprinkler head on any connection, over 500 heads, semiannually	\$0.015 each

2. Fire protection service:

Γ	For each fire hydrant located on private property, semi-annually	\$5.00
1	For each wet hose connection on private property, semi annually	1.00

Sprinkler and fire protection service rates and charges shall not be subject to any discount. Such rates and charges shall be considered as payment only for such water as may be necessary to use in making the usual and ordinary tests of such systems under the underwriters' rules, or for actual fires. Sprinkler and fire protection service shall not be required to be metered unless it shall be found that water is used from same for purposes other than for the usual tests or for firefighting, in which case the city is empowered to require the installation of a meter. (Ord. 1974-69, 10-24-1974)

7-5-5-2: BILLS FOR SERVICE; DELINQUENCIES: ©



days of the date of mailing City Treasurer or collector. (Ord. 1982-9, 3-25-1982)

B. Delinquent Bills, Second Notice: After 30 days from the mailing of the first bill and the bill not being paid a delinquent second notice bill shall be mailed. All charges for water shall be due and payable on rendition by mail of first notice of amount to the owner or tenant and shall become delinquent at the expiration of thirty (30) days from the respective rendition of first notice bills date in section 7.5.5.2 A above, or from the actual date of mailing of first notice bills if the rendition by mail date occurs later than the respective rendition of bills date in Section 7.5.5.2 A. above. The delinquent second notice bill amount shall be ten percent (10%) greater than the first notice bill amount. The second notice bill shall be due ten (10)

water <u>usagerents</u> and other services are payable at the office of the <u>Finance Director</u> within 30

days from its date ofthe respective mailing date. For purposes of enforcing a lien as provided by statutes, the date of delinquency on the second notice bill is the first eligible lien date.

C. Shut-off Of Water Service For Nonpayment; Turn-on Fee; Payment Plan: Ten (10) days If a delinquent after a bill is not paid before its due dateshall become delinquent, the water service may be shut off from the premises, and shall not be turned on until all back-rentals and charges are paid, together with a five fifty dollar (\$50.00) fee for turning on the water when service is located within the City limits; said fee shall be ten-fifty dollars (\$1050.00) plus all back-rentals and charges when service is located beyond the City limits; provided however, at the discretion of the City Finance Director, a water service customer may enter into a payment plan with the City in order to avoid water shutoff. In this event the customer does not have a prior history of delinquent bills and, the water service customer shall pays the entirety of the current monthly charges, plus a portion of the delinquent charges as determined by the City Finance Director and the customer does not have a prior history of delinquent bills, so long as all delinquent sums are paid in full within not more than eighteen (18) months, the City shall charge a ten (10%) percent penalty every two months on the past due balance. Nothing in this section shall obligate the City to enter into a payment plan with a water service customer. (Ord. 2010-14, 3-9-2010)

D. Additional Deposit Required: In the event a water user becomes more than ten (10) days delinquent on two (2) or more separate occasions, the user may be required to furnish an additional deposit to the city in an amount equal to one estimated bill or not less than twenty five dollars (\$25.00), and twenty five dollars (\$25.00) in the case of all other property, and the city may refuse to turn said water on again until the aforesaid deposit has been received. (Ord. 1982-9, 3 25 1982)

7-5-5-3: RESPONSIBILITY OF WATER SERVICE CUSTOMER: 4



Water service accounts and charges shall be kept in the name of the owner of the property served, except as to property owned by the state of Illinois. Only such owner shall be recognized as the consumer, except where the tenant has the account in his/her name-. When the account is in the name of the tenant-makes and maintains a deposit of an amount of money with the city treasurer equal to the estimated water bills for the premises to be served to guarantee payment for water service, but in no case shall such deposit be less than twenty five dollars (\$25.00). The deposit shall accompany the application for service. Where no deposits are made or where the deposit is not maintained, the owner of the premises served shall be held responsible for the payment of all water rentals and all other proper charges in connection with water services to said premises. Such payments shall be accepted from tenants if tendered by them, but accepting payments from tenants shall not subsequently relieve the owner of the premises from the responsibility of paying water rentals or other service charges when due or relieve the real estate from the lien hereinbefore provided. Any deposit made upon application for service shall be returned to consumer upon termination of service. If the bill for a building with multiple units and a single meter with one is owned by one common owner who pays the bill for all of the unitsand has multiple units, with one shut off location is delinquent, the City may shut-off the entire building as provided in Section 7-5-5-2C4-7, until the entire building is up to date on billing. (Ord. 1974-69, 10-24-1974)

7-5-6: WATERWORKS REVENUE: **



A. Duties Of Finance Director City Treasurer:

- 1. Monies To: All money due the water department from all purposes and sources, including the collection of water usage chargesrents or rates, shall be paid to the Finance directorCity Treasurer.
- 2. Custodian Of Funds: The Finance Director City Treasurer shall be custodian of the funds derived from income received from the waterworks system, and shall begive proper bonded for the faithful discharge of his duties. The Finance Director Treasurer shall maintain separate accounts as is necessary or required by law. in which shall be placed the interest and sinking fund monies and another account in which shall be placed the depreciation funds and all other funds necessary to provide for refunding outstanding certificates or bonds payable out of water revenue.
- B. Water Fund: All revenue derived from the sale of water as herein provided shall be kept separate and apart by the Finance DirectorCity Treasurer from the other revenue of the City. Said money shall be known as the water fund and shall be used exclusively for waterworks purposes; that is, for the maintenance, extension, improvement and operation of said waterworks, the retirement of waterworks bonds and certificates, and under no circumstances shall this revenue be diverted to any other purpose unless authorized by City Council at any time. (Ord. 1974-69, 10-24-1974)
- C. Water Surplus Account And Water Bond Redemption Account: The city council deems that in its best interest and required pursuant to the terms of an ordinance passed on May 8, 1969, authorizing the issuance of revenue bonds for the purpose of improving its water system, to create two (2) accounts, one designated as a surplus account in which any surplus monies remaining after payment of those monies required to be paid into special accounts created under section 8, subparagraphs (a) through (d) of said ordinance of May 8, 1969, and said account shall be designated as a surplus account and bond redemption account upon the following terms and
- 1. Surplus Account: A surplus account shall hereby be established pursuant to the terms of the city ordinance passed May 8, 1969, providing that all monies remaining in the water fund of the city established by said ordinance after all previously described payments shall be placed into the surplus account at the close of each billing quarter. At the end of each fiscal year, a sum of not less than fifty percent (50%) of the amount paid into said surplus account shall be transferred to a bond redemption account created hereafter. The remaining balance contained in said surplus account may be used for the improvement, extension or maintenance of the city water system. 2. Bond Redemption Account: The city hereby creates a bond redemption account which shall be established at the close of the next fiscal year occurring upon the effective date hereof. Fifty percent (50%) of those monies transferred at the close of each fiscal year from the surplus account of the water fund of the city shall be placed in said bond redemption account so as to provide funds with which to retire water bond obligations of the city. (Ord. 1985 16, 10 24 1985)

No person, either owner or tenant, who, in changing his residence from one location to any other location served by the water department, shall be given water service until any and all delinquent water usage feesrentals which are charged against him at his former place of residence shall have been paid in full, and no water at the new location shall be turned on and, if so, the same shall be turned off until settlement of such delinquent water rental at the former location is made. A charge of five fifty dollars (\$50.00) for turning on water and renewing service shall be made, in addition to the payment of the delinquent water usagerental or charges. (Ord. 1974-69, 10-24-

7-5-8: WATER SHUTOFFS AND TURNONS: ©

- A. Authority To Shut-Off Water; Non-liability: The City shall not be held responsible by reason of the breaking of any service pipe or apparatus, or for failure toin the supply of water. The City, when necessary, without notice, may shut the water off in its mains for the purpose of making repairs or extensions or for other purposes. No claims shall be made against tThe City shall not be liable by reason of the breakage of any service pipe or service cock, or from other damage that may result from the shutting off of water for repairing, laying or relaying mains, hydrants or other connections. (Ord. 1974-69, 10-24-1974)
- B. Requests For Water Shut-off And Turn-on:
 - 1. Water Shut-off: Owners or consumers when they pay for water service desiring to discontinue the use of water shall give notice thereof, in writing, to the superintendent <u>Director</u> of Public Works, or his designee, who shall then cause the water to be turned off. Water usagerents or charges for services shall continuebe made until such notice is given. When water service is discontinued, all water rentals for such service shall become due and payable. When water service is again desired after having been discontinued, a charge of five dollars (\$5.00) shall be made and collected before turning on water and renewing service.
 - 2. Water Turn-on: In turning on water, the City Council or the water department shall not be responsible for any damage that may occur by reason of improper fixtures, open or improper connections, or for any other causes. (Ord. 1974-69, 10-24-1974; amd. 1994 Code)

7-5-9: PROHIBITED ACTS AND CONDITIONS: \$\frac{\psi}{2}\$



- A. Electrical Grounding To Water System: No part of any water service, including the portion owned or used by any user of water, shall be used as a ground for a radio, telephone and other electrical system or appliance. It shall be unlawful for any person to ground an electrical system to Bonding of the water supply system shall not be considered to be a ground.
- B. Unnecessary Waste Of Water: Consumers shall prevent unnecessary waste of water and keep all water outlets closed when not in actual use. If unnecessary waste of water takes place, the City Council reserves the right to cut off the supply, and the City further reserves the right to

prohibit the use of water for yard sprinklers, elevators and large consumers of water when, in the judgment of the Council, it shall be necessary to do so. (Ord. 1974-69, 10-24-1974)

B. It shall be the duty of all consumers of city water at any and all times to exercise due diligence to prevent waste of the water supply and to this end shall stop any leaks on their premises. The city water supply will be shut off from any and all premises until such violation of this rule is corrected.

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C. Use Of Ground Water Prohibited:

- 1. Prohibited: The use or attempt to use as a water supply, ground water from within the corporate limits of the United City of Yorkville by the installation or drilling of wells or by any other method is hereby prohibited within the City. (Ord. 2008-78, 8-26-2008)
- 2. Penalties: (Rep. by Ord. 2008-74, 8-26-2008)

3. Definitions:

PERSON: Any individual, partnership, firm, company, limited liability company, corporation, association, joint stock company, trust, estate, political subdivision, or any other legal entity, or their legal representative, agents, or assigns.

POTABLE WATER: Any water used for human or domestic consumption, including, but not limited to, water used for drinking, bathing, swimming, washing dishes, or preparing foods.

- 4. Memorandum Of Understanding: The Mayor of the United City of Yorkville is hereby authorized and directed to enter into a memorandum of understanding with the Illinois environmental protection agency ("Illinois EPA") in which the United City of Yorkville assumes responsibility for tracking the remediation sites, notifying the Illinois EPA of changes to the ordinances, and taking certain precautions when siting public potable water supply wells. (Ord. 2005-50, 6-14-2005)
- 5. Resale of Water Prohibited: No water shall be resold or distributed by the recipient thereof from the City supply to any premises at a rate other than that charged by the City. A person who resells water from the City supply shall not add any additional costs or charges to the rate charged by the City, other than any applicable administrative fee. The billing statement shall include any applicable administrative fee as a separate line item on the bill. The line item for the administrative fee shall also include the name of the entity that is charging the fee. Any billing statement for water resale shall solely be in the name of the reseller or his or her assigns. The billing statement shall not include any references to the City or the City's logo.
- 4. <u>Damage to or Tampering with System:</u> It is unlawful for any person not authorized by the Director of Public Works to tamper with, alter, or injure any part of the City's waterworks or supply system or any meter.

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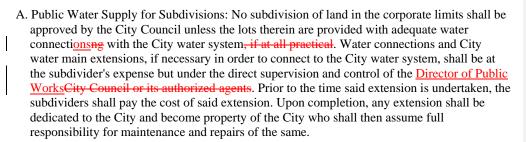
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7-5-10: TEMPORARY SERVICE TO CONTRACTORS:

A. If, during construction of a service installation on a three quarter inch (3/4") or one inch (1") tap, it is temporarily impossible to install a meter as required, the superintendent of public works or the city council may, upon receipt of application, issue a temporary bulk water permit, and turn on the service and allow use of unmetered water for normal construction purposes. Such permit shall not exceed sixty (60) days after the date of issuance of the permit for construction of said service installation.

B. The charges for temporary bulk water permit shall be ten dollars (\$10.00) for each thirty (30) days or less that a meter is not installed after issuance of a plumbing permit, and not to exceed a total of sixty (60) days. Said charges shall be paid in advance of each period requested and before water is turned on by the Department. (Ord. 1974-69, 10-24-74; 1994 Code)

7-5-10: REGULATIONS FOR DEVELOPERS: **



B. Water System Improvements:

<u>Use The</u> standards and specifications from <u>Title 11</u>, subdivision control ordinance, <u>of this</u> Code shall be used for contiguity and construction.

- 1. Where improvements and extensions to the water distribution system are required in order to serve the needs of a development, the developer shall bear all costs of in the water main installation³. (Ord. 1974-69, 10-24-74)
- 2. Prior to proceeding with construction, the developer shall prepare and submit plans and specifications to all-Federal, State, County, Township and other governmental agencies as required by law for p. Permits or approvals shall be received from all appropriate agencies. The contractor shall also submit plans and specifications to the Director of Public Works and shall obtain written approval and a permit from the City Council before proceeding with construction. The following requirements shall be met:
 - a. Plans and specifications submitted shall bear the seal of a current registered Professional Engineer.

- b. Water mains shall be not less than $\frac{\text{six-eight}}{\text{inches}}$ inches ($\frac{68}{\text{o}}$ ") in diameter.
- c. Fire hydrants shall be set at each intersection and at intervals not to exceed four hundred feet (400') (whichever results in closer spacing). (Ord. 1974-69, 10-24-74) (Ord. 1974-69, 10-24-74; 1994 Code)
- d. All future water mains shall be constructed of ductile iron. Ductile iron valves and appurtenances shall be used whenever possible; however, the Superintendent Director of Public Works may, at his discretion, allow the use of cast iron valves and other cast iron appurtenances to the actual water pipe upon his written consent to the installer. (Ord. 1983-15, 9-22-83; 1994 Code)
- e. Water mains shall be buried such that finished grade will provide not less than five and one-half feet $(5^1/2)$ of cover and not greater than eight and one-half feet $(8^1/2)$ of cover over the main.
- f. All water main extensions shall be designed, installed and tested in accordance with the the most current edition of the "Standard Specifications for Water and Sewer Main Construction in Illinois". (Ord. 1974-69, 10-24-74)
- g. The contractor shall pay all expenses incurred by the City to provide field inspections and approval of water mains before, during and after construction. At the sole option of the City, the following procedures shall be followed:
 - (1) Complete field inspection by the <u>SuperintendentDirector</u> of Public Works or his agent, with free advice and consulting on the project by the design engineer;
 - (2) Complete field inspection by the design engineer for the developer with periodic field checking by the <u>Superintendent-Director</u> of Public Works or his agent;
 - (3) Complete field inspection by the design engineer for the developer. If the City selects this option, there shall be submitted to the City a sworn statement carrying the design engineer's signature and seal stating that the water system was installed in strict accordance with the plans and specifications as approved, except as shown in the as-built drawings. (Ord. 1974-69, 10-24-74; 1994 Code)
- Mylar or cloth reproducible drawings shall be submitted to the City after construction showing the system as-built. (Ord. 1974-69, 10-24-74; 2016 Codified)

C. Installation of Oversize Mains:

- 1. Notice Requiring Oversized Mains; Compliance:
 - a. When, in any subdivision now within the City or within one and one-half $(1^1/2)$ miles of the City limits which normally would require an eight inch (8") size water main but which, for the purpose of complying with the plan of development of the City's water

system to provide an adequate water supply, not only to the particular subdivision but also to subdivisions which in the future may become a part of the City, and where the City Engineer and Superintendent Director of Public Works have determined that water mains of a larger diameter than eight inches (8") and the size thereof, shall be installed, then the City Engineer or the Superintendent-Director of Public Works shall inform the subdividers, builders and developers of the subdivision by a written notice of that fact and require them to install such oversized water mains and at the same time, in said notice, inform them of the size to be installed. (Ord. 1974-69, 10-24-74; 1994 Code)

- b. Upon being-so notified as provided for in this subsection, no subdivider, builder or developer shall install any water main in such subdivision of any size other than that specified to him by the aforesaid notice.
- 2. Costs: At such time as the installation of said oversized water main pipe shall have been completed in accordance with the plans and specifications submitted to the City for such installation, and also in accordance with the notice specified in this subsection, and all such installations shall have been inspected and approved by the City as provided for by ordinance of the City, then the City will pay any such subdivider, builder or developer who has installed oversized water main pipe as above provided or approve a recapture ordinance, the difference of the cost at current prices, as of the time of said installation, between the eight inch (8") main pipe which was originally planned to be used and the cost of the oversized pipe which the City directed to be used. (Ord. 1974-69, 10-24-74)

7-5-12: PRIVATE SPRINKLER AND FIRE PROTECTION SYSTEMS: 🞾



Private sprinkler and fire protection water systems may be connected with the City water mains subject to the following provisions and regulations and provided the applicant is a consumer taking water supply for other uses from the City at regular rates for such uses:

A. Application for Service; Approval: Whenever sprinkler or fire protection services are desired, application shall be made for the privilege of installing such service, which application shall include complete specifications, adherence to the current CityICC Codes and plans of the installation contemplated. If said application is approved by the City Council, the applicant shall enter into an agreement with the City for connection to City mains, subject to the provisions of this Chapter. (Ord. 1974-69, 10-24-74)

B. Inspection of System:

1. City water will be turned into any sprinkler or fire protection system only when such installation shall have been subjected to and passed such inspection and pressure tests as may be required by the Superintendent Director of Public Works. All pipes in connection with such system shall be left exposed until such tests have been made and the system approved. No crossconnections between private water supplies and services connected to City mains shall be permitted.

2. Any and all premises connected to City water mains for sprinkler or fire protection services shall be subject to inspection by the <u>Superintendent Director</u> of Public Works at any time for count and conformity to the City regulations.

C. Rates and Charges: Rates and charges shall be as provided in Section 7 5 5 1 of this Chapter. (Ord. 1974-69, 10 24 74; 1994 Code)

7-5-13: WATER CUSTOMER CONTRACTUAL AGREEMENT: 🔨

The rules and regulations as set forth in this chapter shall be considered a part of the contract of every person who takes water supplied by the City through the City Waterworks. Every such person who takes water shall be considered as having expressly agreed to be bound by the provisions of this chapter upon his acceptance of water service from the City. (Ord. 1974-69, 10-24-1974)

7-5-14: VIOLATION AND PENALTY: (Rep. by Ord. 2008-74, 8-26-2008)

7-5-15: WATER CONSERVATION REGULATIONS: 4

A. Definitions: The following words and phrases when used in this section shall, for the purpose of this section, have the following meanings:

CITY: The United City of Yorkville.

DRIP IRRIGATION SYSTEM: A soaking hose that when in use does not result in an actual dissipation of water.

DRIP LINE: Pertaining to a tree or shrub, the ground area immediately beneath the branches of the tree or shrub.

LANDSCAPE/LANDSCAPING: Sod and seeded turf lawns, gardens, trees, shrubs, and other living plants.

PERMITTED HOURS OF WATER USE: A time period between five o'clock (5:00) A.M. and nine o'clock (9:00) A.M., and between nine o'clock (9:00) P.M. and twelve o'clock (12:00) midnight, each day.

PERSON: Any individual, firm, partnership, association, corporation, company, organization, or entity of any kind.

WATER: The water provided by and obtained by a person from the City water supply and distribution system.

B. Application:

- 1. The provisions of this section shall apply to all persons using water, and to all properties within the City or unincorporated areas which are connected to the City's water supply and distribution system, regardless of whether any person using the water has a contract for service with the City.
- 2. The provisions of this section shall apply annually from May 1 through September 30, subject to any modifications thereof, including application of these or other regulations during this or any other time, by an emergency proclamation issued pursuant to subsection C of this section.
- C. Restricted Hours And Days For Specified Uses:
 - 1. Water may be used for landscape watering or the filling of swimming pools only as follows:
 - a. All properties with even numbered street numbers (i.e., numbers ending in 0, 2, 4, 6 or 8) may use water for landscape watering or for pool filling, only on even numbered calendar dates during permitted hours of water use.
 - c. All properties with odd numbered street numbers (i.e., numbers ending in 1, 3, 5, 7, and 9) may use water for landscape watering or for pool filling only on odd numbered calendar dates during permitted hours of water use.
 - d. There shall be no restrictions as to hours or days when water may be used for any of the following:
 - (1) Landscape watering or sprinkling where such watering or sprinkling is done by a person using a handheld watering device;
 - (2) Filling swimming pools with a volume of fifty (50) gallons or less;
 - (3) The automatic watering of trees and shrubs by means of automatic root feed or drip irrigation systems within the drip line of the tree or shrub; or
 - (4) Vehicle and equipment washing; or
 - (5) Any other lawful use of water such as bathing, clothes washing, and other normal household uses not otherwise specifically restricted by the provisions of this section.
- D. Restrictions For Sod Laying And Lawn Seeding For New Lawns: Notwithstanding the provisions of subsection C of this section, the following special regulations shall apply:
 - 1. Sod laying, lawn seeding, and the planting of other landscaping for the establishment of a new lawn or new landscaping is prohibited from July 1 through August 31 each year unless the source of watering for said sod, lawn seeding and/or planting of landscaping is derived from a private well, imported water source or means other than any municipal water source.

- 2. From May 1 through June 30 and from September 1 through September 30, water may be used on new lawns (sod or seed), only as follows:
 - a. Priora. Prior to sod laying or lawn seeding, a sod watering permit, attached as exhibit A to the ordinance codified herein, must be shall be obtained from the Director of Public Works United City of Yorkville.
 - b. On the day new sod or seed has been placed on a property, a person may use an automatic sprinkling device to apply water to the sod or seed for a total period of time not to exceed eight (8) hours.
 - c. For the next nine (9) days thereafter, a person may apply water to said sod or seed each day during permitted hours of water use.
 - d. Following the first ten (10) days after the sod or seed is placed, the provisions of subsection C of this section shall apply.
- 3. Prior to the execution of any real estate contract for the sale of newly constructed property, the builder or owner of such new construction shall:
 - a. Inform prospective purchasers of the restrictions upon the installation of new lawns set forth in this section;
 - b. Attach a copy of these regulations to the contract; and
 - d. Obtain the signature of the purchaser(s) on a statement that he/she or they has /have been informed of the new lawn installation restrictions set forth in this section.
- 4. The applicant for a certificate of occupancy for any newly constructed property shall submit as a part of his application, and as a condition of issuance of such certificate, a copy of said signed statement. When an application for certificate of occupancy is submitted prior to sale of the property, and the future occupant is unknown, the applicant shall submit his signed statement that he shall comply with the requirements of this section at the time the real estate contract is executed.
- E. Waste Of Water Prohibited: No person shall allow a continuous stream of water to run off into any gutter, ditch, drain, or street inlet while using water for restricted purposes during the permitted hours of water use.
- F. Exceptions: The provisions of this section shall not apply to any commercial or industrial entity for which use of water is necessary to continue normal business operations, or to maintain stock or inventory. Provided, however, this exception shall not apply to any and all uses of water not essential to normal business operations or maintenance of inventory or stock, and specifically shall not apply to landscape watering or pool filling.
- G. Bulk Water Rates: Bulk water rates shall be increased to three (3) times the nonresident water rate during the time described in subsection B of this section.

H. Hydrant Use Prohibited: Hydrants connected to the City water supply and distribution system for the purpose of providing water for firefighting purposes shall not be opened by any person, other than authorized City or Fire District personnel, except for the purpose of fighting a fire.

I. Emergency Proclamation:

- 1. Whenever the water supply of the City is diminished from any cause, including, but not limited to, prolonged dry period, increased water demand, equipment failure, or water quality concerns, to an amount which in the opinion of the City Engineer or Director of Public Works is or is likely to become dangerous to the health and safety of the public, the City Mayor is hereby authorized and empowered to issue an emergency proclamation specifying different or additional regulations on the use of water.
- Such regulations may provide for limitations on the usage of water, limitations on days and hours of use of water for some or all purposes, and the prohibition of specified uses of water.
- 3. Upon issuing such proclamation, the City Mayor shall make the contents thereof known to the public by posting a copy at the City Hall, and by news release to local newspapers and radio media, and may also endeavor to notify the City residents and other persons in any other practical manner that he or she shall devise. Further, the City Mayor shall immediately deliver notice of such proclamation, and the regulations that have been imposed by such proclamation, to all members of the City Council.
- 4. The emergency proclamation of the City Mayor, and the regulations imposed thereby, shall remain in full force and effect until any one of the following shall first occur:

 a. The City Mayor determines that the emergency no longer exists and that the emergency proclamation, and the regulations imposed thereby, shall no longer continue in effect.
 - b. The City Council modifies or repeals the emergency proclamation, and the regulations imposed thereby, by means of an ordinance enacted at any regular or special meeting of the City Council.
 - c. The first regular meeting of the City Council occurring more than thirty (30) days after the date of the emergency proclamation of the City Mayor.
- 5. Any City employee or officer may, at the direction of the City Mayor, notify and warn any person of the effect of said emergency proclamation and direct said person to comply with said watering or sprinkling restrictions. If any said person, after having first been warned about said restrictions of the emergency proclamation, fails to comply with the water restrictions, the person shall be deemed to be in violation of this section. (Ord. 2004-17, 3-23-2004)
- J. Restriction On Permanent Landscape Watering Systems Of Nonresidential Properties:

- 1. This subsection J shall apply only to nonresidential properties, and common and/or open space areas of residential developments.
- 2. For this subsection J, a "permanent landscape watering system" shall be defined as any system of pipes, sprinkler heads or similar devices installed underground to be used to provide landscape watering.
- 3. Landscape watering upon nonresidential properties shall be limited as follows:
 - a. For properties with one building, a total area within the property not to exceed one acre may be watered by a permanent landscape watering system using the City's potable water. This area shall be measured by the amount of nonimpervious surface on the property including all landscaped areas, lawn areas and green space regardless of the size of the area initially planned to be irrigated.
 - b. For properties with more than one building, a total area within the property not to exceed three (3) acres may be watered by a permanent landscape watering system using the City's potable water. This area shall be measured by the amount of nonimpervious surface on the property including all landscaped areas, lawn areas and green space regardless of the size of the area initially planned to be irrigated.
 - c. For the common space and/or open space of a primarily residential development, no permanent landscape watering system shall be allowed using the City's potable water.
 - All permanent landscape watering systems permitted to use the City's potable water shall be metered the same as domestic water service. No special meters will be permitted.
- 4. The total area to be watered shall be measured as the area within reach of any permanent device used to water landscape including, but not limited to, sprinkler heads, hoses, trenches or similar devices to water landscape. (Ord. 2006-123, 10-24-2006)

7-5-16: INSPECTION; AUDIT; APPEAL:



- A. Right Of Access; Use Inspection: The United City of Yorkville and its employees and the Illinois environmental protection agency shall have ready access at all reasonable times to the premises, places or buildings where water service is supplied for the purpose of inspecting, examining and testing the consumption, use and flow of water, and it shall be unlawful for any person to interfere with, prevent or obstruct the United City of Yorkville or its duly authorized agent or the Illinois environmental protection agency in its duties hereunder. Every user of the system shall take the same upon the conditions prescribed in this section.
- B. Powers And Authority Of Inspectors:
 - 1. The Director of Public Works and other duly authorized employees of the United City of Yorkville and the Illinois Environmental Protection Agency, bearing proper credentials and identification shall be permitted to enter all properties for the purposes of inspection,

observation, measurement, sampling, and testing in accordance with the provisions of this section. The United City of Yorkville or its representative shall have no authority to inquire into any processes, including metallurgical, chemical, oil refining, ceramic, paper, or other industries beyond that point having a direct bearing on the kind and source of discharge to the sewers or waterway or facilities for waste treatment.

- 2. While performing the necessary work on private properties referred to above the director of public works or duly authorized employees of the United City of Yorkville and the Illinois environmental protection agency shall observe all safety rules applicable to the premises established by the property owner or its agent, and the property owner or its agent shall be held harmless for injury or death to the United City of Yorkville employees, and the United City of Yorkville shall indemnify the company against liability claims and demands for personal injury or property damage asserted against the property owner and growing out of the gauging and sampling operation, except as such may be caused by negligence or failure of the property owner or its agent to maintain conditions as required in this chapter.
- 3. The Director of Public Works and other duly authorized employees of the United City of Yorkville bearing proper credentials and identification shall be permitted to enter all private properties through which the United City of Yorkville holds a duly negotiated easement for the purposes of, but not limited to, inspection, observation, measurement, sampling, repair, and maintenance of any portion of the waterworks lying within said easement. All entry and subsequent work, if any, on said easement, shall be done in full accordance with the terms of the duly negotiated easement pertaining to the private property involved.
- C. Access To Records: The IEPA or its authorized representative shall have access to any books, documents, papers and records of the United City of Yorkville, which are applicable to the water system, of user charges for the purpose of making audit, examination, excerpts and transcriptions thereof to ensure compliance with the terms of any loan obtained from the IEPA under its Public Water Supply (PWS) loan program.
- D. Annual Review Of Charges: The adequacy of the water service charge shall be reviewed, not less often than annually, by certified public accountants for the United City of Yorkville in their annual audit report. The water service charge shall be revised periodically to reflect a change in the local capital costs or overhead, maintenance and repair costs.
- E. Appeals: Users shall be provided the method for computing rates and service charges within fourteen (14) days of written request. City shall make best efforts to remedy any disagreement with the method used or the computations made within thirty (30) days of a formal written appeal outlining the discrepancies. (Ord. 2005-19, 3-8-2005)



Reviewed By:		
Legal		
Finance		
Engineer		
City Administrator		
Human Resources		
Community Development		
Police		
Public Works		
Parks and Recreation		

Agenda Item Number	
New Business #7	
Tracking Number	_
PW 2017-64	

Agenda Item Summary Memo

Title: Overview of Downtown Brownfields			
Meeting and Date:	Public Works Committee	tee – September 19, 2017	
Synopsis: Review of brownfield study and process for downtown/east alley properties.			
Council Action Pre	viously Taken:		
Date of Action: N/A	Action	Taken:	
Item Number:			
Type of Vote Requi	ired: N/A		
Council Action Requested: Discussion			
	-		
Submitted by:	Bart Olson Name	Administration Department	
Agenda Item Notes:			



Site Summary City of Yorkville

Former Grainco FS, Kendall County Farm Bureau, and City Parking Lot

I. Site Introduction and History

- § The site is comprised of three contiguous parcels consisting of a municipal parking lot owned by the City, a parcel owned by the Kendall County Farm Bureau and a former service station and farm supply depot historically owned by Grainco FS
- § Prior Investigation conducted:
 - o 2003 by Terracon
 - § Phase I Environmental Site Assessment Kendall Grundy FS, Inc.
 - § Phase II Environmental Site Assessment Kendall Grundy FS, Inc.
 - o 2005 by Civil & Environmental Consultants, Inc. (CEC)
 - § Phase I Environmental Site Assessment
 - § Comprehensive Site Investigation
 - o 2012-2013 by Terracon
 - § Phase I Environmental Site Assessment
 - § Site Investigation Update
- § Recognized Environmental Conditions (Terracon 2012)
 - The historical heating oil UST on the east side of the Kendall County Farm Bureau building
 - The suspect UST fill pipe on the north side of the office/warehouse building
 - The historical operation of gasoline UST system on the east side of the historical automobile fuel and service station on the Grainco FS portion of the site
 - The suspect oil/water separator located inside the historical automobile service station
 - Prior Phase I ESA, Limited Site Investigation, and Comprehensive Site Investigation reports identified RECs and confirmed soil and groundwater impacts on-site above the Illinois Environmental Protection Agency (IEPA) Site Remediation Program (SRP) default remediation objectives

II. Summary of Historical Investigation Results

Site Subsurface Conditions

- § Approximately 5-10 feet of soil overlying bedrock
- § Groundwater depth of approximately 4-10 feet below ground surface
- § Groundwater flow through bedrock



Soil

- Petroleum indicator contaminants above the Illinois Environmental Protection Agency (IEPA) Residential Tier 1 Remediation Objectives (ROs) at the former fueling station on former Grainco property (BTEX, PNAs)
- § Lead above the Tier 1 RO in the City parking lot

Groundwater

Metals (arsenic, iron, manganese) above the Class I ROs

Regulatory Status

- § Site is actively enrolled in voluntary IEPA Site Remediation Program (enrolled in 2005)
- Somprehensive Site Investigation Report (CEC 2007) approved by IEPA
- § Site Investigation Work Plan (Terracon 2012) approved by IEPA

III. Moving Forward to No Further Remediation Letter

- New IEPA regulations regarding indoor inhalation (Vapor Intrusion) will need to be evaluated at the site
- § Update site soil and groundwater conditions may be warranted based on IEPA's input
- Sevelop Remediation Objectives and Remedial Action Plan incorporating property owner's development plans as appropriate

Project Status Former Grainco FS, Kendall County Farm Bureau, and City Parking Lot

Illinois Route 47 and East Van Emmon St Yorkville, IL

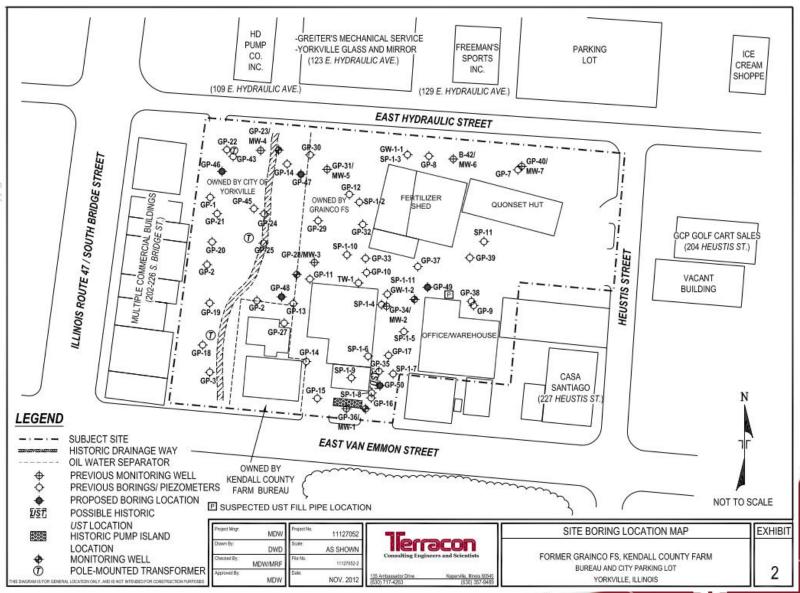


Site Location



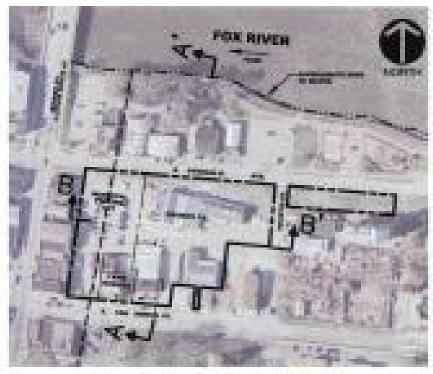


Historical Site Diagram





Cross Section Location

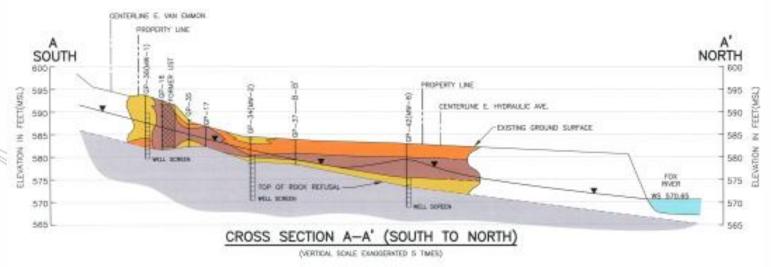


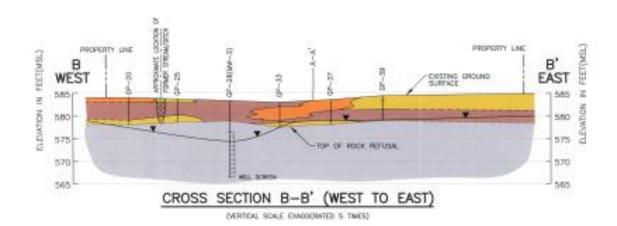
CROSS SECTION LOCATION MAP

From CEC (2005)



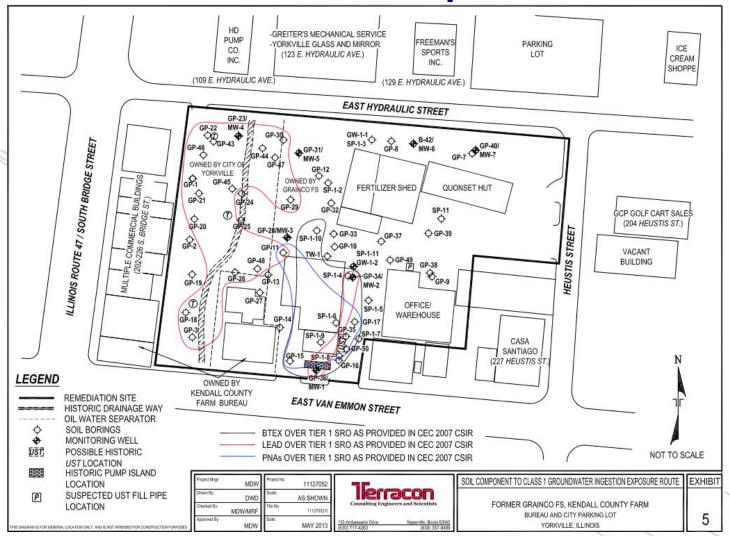
Soil Boring Results



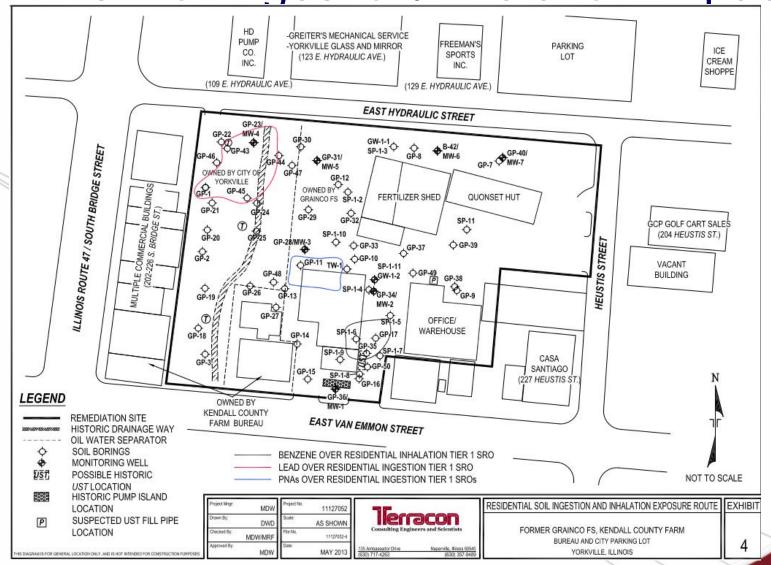




Extent of Soil Impacts



Extent of Ingestion/Inhalation Impacts







Reviewed By:	
Legal	
Finance	
Engineer	
City Administrator	
Human Resources	
Community Development	
Police	
Public Works	

Parks and Recreation

Agenda Item Number	
Old Business #1	
Tracking Number	
PW 2017-49	

Agenda Item Summary Memo

Title: Selection of Committee Liaisons			
Meeting and Date:	Public Works Com	nmittee – September 19, 2017	
Synopsis: Selection	n of liaison to the Yo	orkville-Bristol Sanitary District.	
Council Action Pre	viously Taken:		
Date of Action:	Act	tion Taken:	
Item Number:			
Type of Vote Requ	ired:		
Council Action Rec	quested:		
Submitted by:	Bart Olson	Administration	
	Name	Department	
Agenda Item Notes:			



Memorandum

To: Public Works Committee

From: Erin Willrett, Assistant City Administrator

CC:

Date: August 15, 2017

Subject: YBSD Committee Liaison Follow-Up

Summary

Review of YBSD Committee Liaison concerns that was brought up at the June 20, 2017 Public Works Committee meeting.

Background

I talked to YBSD's Executive Director, Cyrus McMain on June 22, 2017. He let me know he is in the process of improving communication and transparency at the district. The new process for packets will be implemented for the YBSD Board meeting in August. He stated that that they post the agendas at the gate at their location the Friday prior to the meeting. He is hoping to update the website and post the agendas online by the end of the calendar year.

Recommendation

Informational item only.