AGENDA
Board of Public Works Meeting
Tuesday, April 25, 2017 - **7:00 p.m.**
Jackson Village Hall
N168W20733 Main Street
Jackson WI 53037

1. Call to Order and Roll Call.

2. Approval of Minutes for March 28, 2017, meeting.

3. Review of Pay Request #1 Chateau Dr Reconstruction Project.

4. Review of Quotes for Well #3 Inspection and Maintenance.

5. Discussion on Special Assessment for final lift of asphalt.

6. Review of Storm Water Drainage Project Hemlock Street.

7. Director of Public Works Report.

8. Citizens/Village Staff to address the Board.

9. Adjourn.

Persons with disabilities requiring special accommodations for attendance at the meeting should contact the Village Hall at least one (1) business day prior to the meeting.

It is possible that members of the Village Board may attend the above meeting. No action will be taken by any governmental body at this meeting other than the governmental body specifically referred to in this meeting notice. This notice is given so that members of the Village Board may attend the meeting without violating the open meeting law.

DRAFT MINUTES
Board of Public Works Meeting
Tuesday, March 28, 2017 –7:00 p.m.
Jackson Village Hall
N168W20733 Main Street

1. Call to Order and Roll Call.

Chairman Tr. Don Olson called the meeting to order at 7:00 p.m.
Members present: Brian Heckendorf, Scott Thielmann, Tr. Jack Lippold, and Gloria Teifke.
Members absent: Linda Granec (excused), Tr. Kufahl (excused).
Staff present: John Walther, Brian Kober, and Jim Micech.

2. Approval of Minutes for February 28, 2017, meeting.

Motion by Scott Thielmann, second by Tr. Lippold to approve the minutes of the February 28, 2017, Board of Public Works meeting.
Vote: 5 ayes, 0 nays. Motion carried.

3. Review of 2016 Building Inspection Report.

Jim Micech presented the 2016 Building Inspection Report and related reports. Jim pointed out that as the Village progresses there are limited lots available. The Village may be built out this year. Motion by Tr. Lippold, second by Brian Heckendorf to recommend the 2016 Building Inspection Report to the Village Board and then place on file.
Vote: 5 ayes, 0 nays. Motion carried.

4. Review of Preliminary Assessment Chateau Dr. Reconstruction Project.

Brian reported that construction on the water main will start tomorrow. A letter was mailed to the residents in regards to their storm lateral and sidewalk assessment. The storm lateral locations are being determined with an onsite inspection. This was an update only. No action was needed or required.

5. Review of Final Assessment Industrial Drive Sidewalk Project.

Brian reported on the item. The total assessment amount came to $86,365.12 which is about $10,000 less than estimated. Motion by Tr. Olson, second by Tr. Lippold, to recommend the staff to follow through with the resolution for Budget & Finance and Village Board.
Vote: 5 ayes, 0 nays. Motion carried.

6. Review of Final Assessment Stonewall Sidewalk Project.

Brian reported on the item. The total assessment amount came to $129,871, with the DNR Grant amount of $45,000. Motion by Tr. Olson, second by Scott Thielmann, to recommend the staff to follow through with the resolution for the Budget & Finance and Village Board.
Vote: 5 ayes, 0 nays. Motion carried.

7. **Review of 2016 Jackson Water Utility CCR.**

Brian reviewed the annual consumer confidence report. Motion by Brian Heckendorf, second by Tr. Lippold to recommend approval of the 2016 Jackson Water Utility Consumer Confidence Report.
Vote: 5 ayes, 0 nays. Motion carried.

8. **Review of Tower Inspection Quotes for White Water Tower.**

Brian reviewed the tower inspection quotes for the white water tower. $3,000 was budgeted for the project. Motion by Tr. Olson, second by Scott Thielmann to recommend approval of the Dixon Engineering quote in an amount not to exceed $1,775.
Vote: 5 ayes, 0 nays. Motion carried.

9. **Mid Moraine Water Quality Collective Contract DNR Grant Application.**

Brian reported that this is an opportunity to sponsor the Mid Moraine Water Quality Collective DNR Urban Non-Point Source Planning Grant Application. The grant application will be for long term planning projects within the watershed that allow communities to find the most cost effective and economical ways to meet the TMDLS. The Fund for Lake Michigan has agreed to front the matching funds. Motion by Tr. Olson, second by Tr. Lippold to recommend staff work with Graef on the grant application.
Vote: 5 ayes, 0 nays. Motion carried.

10. **Director of Public Works report.**

Brian Kober gave the report. Motion by Brian Heckendorf, second by Scott Thielmann to place the Director of Public Works report on file.
Vote: 5 ayes, 0 nays. Motion carried.

11. **Citizens/Village Staff to Address the Board.**

Brian Kober reported that the Washington County Clean Sweep is on May 6th. John Walther reported that Tornado and Severe Weather Awareness Week is scheduled for April 17-21. Test drills are scheduled for Thursday, April 20th.

12. **Adjourn.**

Motion by Scott Thielmann, second by Tr. Olson to adjourn at 7:51 p.m.
Vote: 5 ayes, 0 nays. Motion carried.

Respectfully submitted by: Deanna L. Boldrey, Village Clerk-Treasurer

GREMMER
& ASSOCIATES, INC.
CONSULTING ENGINEERS

93 South Pioneer Road, Suite 300
Fond du Lac, WI 54935
Phone 920-924-5720
Fax 920-924-5725

April 19, 2017

Village of Jackson
N168 W20733 Main Street
Jackson, WI 53037

Attention: Brian Kober, P.E.
Director of Public Works

Subject: Project I.D. 161031
Chateau Drive
Roadway & Utility Reconstruction
Pay Request #1

Dear Mr. Kober:

Enclosed you will find pay request #1 for the Chateau Drive project in the Village of Jackson. The total amount, due to the contractor, has been reduced by five percent (5%) for retainage. This is per Article 6.02.A.1 Progress Payments; Retainage, of Contract Document 00500, Agreement:

Work completed, Pay Request # 1	= $168,819.90
Retainage, Estimate #1 (5%)	= $ 8,441.00
Amount due to Contractor, Pay Request #1	= $160,378.90

If you have any questions or comments, please contact me at (920) 924-5720 or cell (920) 583-6399.

Sincerely,

Jeff McBain
Engineering Specialist
Gremmer & Associates, Inc.

Project 161031
Chateau Drive
Utility Roadway Reconstruction
2017

Pay Request
Buteyn Peterson - Prime Contractor

				Buteyn Peterson		Pay Request #1		Pay Request #2		Cumulative Totals		% Complete
Item No.	**Description**	**Units**	**Total**	**Unit Price**	**Bid Total**	**Actual Quantity**	**Total**	**Actual Quantity**	**Total**	**Actual Quantity**	**Total**	
	ROADWAY ITEMS											
100.01	Removing Concrete	SY	880	$2.50	$2,200.00		$0.00		$0.00	0	$0.00	0%
100.02	Removing Curb & Gutter	LF	1300	$2.75	$3,575.00		$0.00		$0.00	0	$0.00	0%
100.03	Excavation Common	CY	1394	$14.37	$20,031.78		$0.00		$0.00	0	$0.00	0%
100.04	Base Aggregate Dense 3/4-Inch	TON	470	$13.14	$6,175.80		$0.00		$0.00	0	$0.00	0%
100.05	Base Aggregate Dense 1 1/4-Inch	TON	1850	$10.64	$19,684.00		$0.00		$0.00	0	$0.00	0%
100.06	Breaker Run	TON	100	$14.39	$1,439.00		$0.00		$0.00	0	$0.00	0%
100.07	Concrete Driveway 7-Inch	SY	865	$40.60	$35,119.00		$0.00		$0.00	0	$0.00	0%
100.08	HMA Pavement LT 58-28 S	TON	750	$58.61	$43,957.50		$0.00		$0.00	0	$0.00	0%
100.09	Asphaltic Surface Driveway	TON	9	$179.11	$1,611.99		$0.00		$0.00	0	$0.00	0%
100.10	Concrete Curb & Gutter 30-Inch Type D	LF	1320	$11.45	$15,114.00		$0.00		$0.00	0	$0.00	0%
100.11	Concrete Sidewalk 4-Inch	SF	4550	$3.90	$17,745.00		$0.00		$0.00	0	$0.00	0%
100.12	Lawn Restoration	SY	1950	$6.25	$12,187.50		$0.00		$0.00	0	$0.00	0%
100.13	Inlet Protection Type C	LS	10	$50.00	$500.00	6	$300.00		$0.00	6	$300.00	60%
100.14	Traffic Control	LS	1	$3,000.00	$3,000.00		$0.00		$0.00	0	$0.00	0%
100.15	Sawing Asphalt	LF	140	$2.50	$350.00		$0.00		$0.00	0	$0.00	0%
100.16	Sawing Concrete	LF	310	$3.30	$1,023.00		$0.00		$0.00	0	$0.00	0%
	SUBTOTAL ROADWAY ITEMS				**$183,713.57**		**$300.00**		**$0.00**		**$300.00**	**0%**
	STORM SEWER ITEMS											
200.01	Removing Manholes	EACH	2	$350.00	$700.00	2	$700.00		$0.00	2	$700.00	100%
200.02	Removing Inlets	EACH	2	$300.00	$600.00	2	$600.00		$0.00	2	$600.00	100%
200.03	Removing Storm Sewer	LF	330	$8.25	$2,722.50	330	$2,722.50		$0.00	330	$2,722.50	100%
200.04	Storm Sewer Pipe PVC SDR-35 4-Inch	LF	1462	$25.00	$36,550.00		$0.00		$0.00	0	$0.00	0%
200.05	Storm Sewer Pipe Reinforced Concrete 12-Inch	LF	95	$53.00	$5,035.00	95	$5,035.00		$0.00	95	$5,035.00	100%
200.06	Storm Sewer Pipe Reinforced Concrete 15-Inch	LF	355	$52.00	$18,460.00	355	$18,460.00		$0.00	355	$18,460.00	100%
200.07	Storm Sewer Pipe Reinforced Concrete 18-Inch	LF	215	$55.00	$11,825.00	215	$11,825.00		$0.00	215	$11,825.00	100%
200.08	Catch Basins 2.5x3-FT w/ Casting	EACH	4	$1,532.00	$6,128.00	4	$6,128.00		$0.00	4	$6,128.00	100%
200.09	Manholes 4-FT Diameter w/ Casting	EACH	3	$2,079.00	$6,237.00	3	$6,237.00		$0.00	3	$6,237.00	100%
200.10	Manholes 5-FT Diameter w/ Casting	EACH	1	$2,702.00	$2,702.00	1	$2,702.00		$0.00	1	$2,702.00	100%
200.11	Concrete Collar	EACH	2	$375.00	$750.00		$0.00		$0.00	0	$0.00	0%
	SUBTOTAL STORM SEWER ITEMS				**$91,709.50**		**$54,409.50**		**$0.00**		**$54,409.50**	**59%**
	SANITARY SEWER ITEMS											
300.01	Adjusting Sanitary Manhole	EACH	3	$420.00	$1,260.00		$0.00		$0.00	0	$0.00	0%
300.02	Remove & Replace Sanitary Manhole Bench	EACH	3	$650.00	$1,950.00	3	$1,950.00		$0.00	3	$1,950.00	100%
	SUBTOTAL SANITARY SEWER ITEMS				**$3,210.00**		**$1,950.00**		**$0.00**		**$1,950.00**	**61%**
	WATER MAIN ITEMS											
400.01	Removing Hydrant	EACH	2	$350.00	$700.00	1	$350.00		$0.00	1	$350.00	50%
400.02	Abandoning Water Main	LS	1	$450.00	$450.00		$0.00		$0.00	0	$0.00	0%
400.03	Water Main Pipe HDPE 1 1/4-Inch	LF	750	$66.00	$49,500.00	745	$49,170.00		$0.00	745	$49,170.00	99%
400.04	Water Main Pipe PVC C-900 6-Inch	LF	36	$48.00	$1,728.00	31	$1,488.00		$0.00	31	$1,488.00	86%
400.05	Water Main Pipe PVC C-900 8-Inch	LF	625	$73.50	$45,937.50	616	$45,276.00		$0.00	616	$45,276.00	99%
400.06	Gate Valve 6-Inch	EACH	2	$1,300.00	$2,600.00	2	$2,600.00		$0.00	2	$2,600.00	100%
400.07	Gate Valve 8-Inch	EACH	1	$1,740.00	$1,740.00	1	$1,740.00		$0.00	1	$1,740.00	100%
400.08	Reducer 8-Inch x 6-Inch	EACH	1	$350.00	$350.00	1	$350.00		$0.00	1	$350.00	100%
400.09	Anchor Tee 8-Inch x 6-Inch	EACH	1	$422.00	$422.00	1	$422.00		$0.00	1	$422.00	100%
400.10	Tee 8-Inch x 6-Inch	EACH	1	$436.00	$436.00	1	$436.00		$0.00	1	$436.00	100%
400.11	Bend 11.25 Degree 8-Inch	EACH	2	$324.00	$648.00	1	$324.00		$0.00	1	$324.00	50%
400.12	Bend 22.5 Degree 8-Inch	EACH	1	$334.00	$334.00	1	$334.00		$0.00	1	$334.00	100%
400.13	Bend 45 Degree 8-Inch	EACH	1	$338.00	$338.00	1	$338.00		$0.00	1	$338.00	100%
400.14	Bend 90 Degree 6-Inch	EACH	1	$286.00	$286.00	1	$286.00		$0.00	1	$286.00	100%
400.15	Plug 6-Inch	EACH	1	$129.00	$129.00		$0.00		$0.00	0	$0.00	0%
400.16	Connect to Existing Water Main	EACH	2	$824.00	$1,648.00	2	$1,648.00		$0.00	2	$1,648.00	100%
400.17	Hydrant	EACH	2	$3,632.00	$7,264.00	2	$7,264.00		$0.00	2	$7,264.00	100%
400.18	Polystyrene Insulation 4-Inch	SF	32	$4.20	$134.40	32	$134.40		$0.00	32	$134.40	100%
	SUBTOTAL WATER MAIN ITEMS				**$114,644.90**		**$112,160.40**		**$0.00**		**$112,160.40**	**98%**
	TOTAL				**$393,277.97**		**$168,819.90**		**$0.00**		**$168,819.90**	**$0.43**

Work completed, previous estimate	**$0.00**	**$168,819.90**
Work completed, this estimate	**$168,819.90**	**$0.00**
Total work completed	**$168,819.90**	**$168,819.90**
Retainage, this estimate	**$8,441.00**	**$0.00**
Total retainage, previous estimates	**$0.00**	**$8,441.00**
Total retainage	**$0.00**	**$8,441.00**
Amout due to contractor, this estimate	**$160,378.91**	**$0.00**

Dan Rathke

From: Tim Cummens [tim.cummens@ctwcorporation.com]
Sent: Tuesday, April 11, 2017 3:42 PM
To: Dan Rathke
Subject: Well Pump #3

Hi Dan, Sorry for the delay in getting costs to you for servicing pump #3. Assuming you are looking at a routine pump service as has been done in the past, below is a brief work scope with associated costs. Please note we are basing this work on our records showing a pump setting of 130' consisting of a 5 stage 11" Goulds bowl assembly, 8" combo coupling column X 1-11/16" SS shafting, 5' tailpipe with SS strainer and 75 HP VHS motor. If any of this information is incorrect, please advise and we can adjust the costs accordingly.

1. Labor, equipment and tools to disconnect and remove entire pump assembly, evaluate condition and provide a report with recommendations to restore to new performance.
2. Estimated cost to restore bowls with bronze wear rings and bushings, materials-machining-labor.
3. Replace all lineshaft bearings, poly airline, rebuild the stuffing box complete, disinfect the well.
4. Install reconditioned equipment, flush and collect one sample, ready for use.
5. Follow-up inspection to document performance and vibration.

Total anticipated cost based on above work scope...$5950

Any items requiring replacement would be quoted to you and approved prior to ordering them. Most of these items would be stock items in our Lannon location.
Thanks for allowing us to quote this job and we look forward to assisting you in any way we can. You know the type of job you will get should you award this work to our firm.

Regards,

Tim Cummens, PE

Tim Cummens

Timothy J. Cummens, PE
CTW Corporation
21500 W Good Hope Rd
Lannon, WI 53046
O: 262.253.6613
C: 414:303-3872
tim.cummens@ctwcorporation.com

CTW Corporation
Wells - Pumps - Controls

Water Well Solutions

April 21, 2017

Jackson Water Department
N168 W20733 Main Street
Jackson, WI 53037
Attn: Dan Rathke

Re: Well #3 Maintenance pull

Dear Dan:
Per your request, we are providing the following proposal for the removal and inspection of the pumping equipment at Well #3. Our records indicate that we installed well 3 in 2009 to a depth of 150ft on 8" x 1 11/16" water lubricated column assembly. Below is a step by step description of the requested procedure along with the associated costs. I have included routine repair materials/procedures such as rubber bearing replacement and new shaft sleeves.

Step #1: Mobilize pump Service Rig and two man crew. Perform the complete removal of the vertical turbine pump and measure in to determine current total well depth.
Lump Sum $1,500.00

Step #2: Load pump assembly onto our trailers and return to our shop. Disassemble and inspect the column assembly and pump. Clean and re-paint the discharge head and provide a written report with repair recommendations and associated cost estimates.
(est. 4-6 hrs shop time @ $120.00/hr) $480.00 - $720.00

Step#3: Provide written breakdown of inspection results along with a list of recommended repairs and associated costs. Several maintenance items that typically require replacement are rubber line shaft bearings and stainless steel line shaft sleeves. The estimated replacement cost for these items are approximately $15 per rubber bearing and $60 per 304 SS line shaft sleeve. Any additional recommendations (if any) will be provided at the time of inspection.

Step#4: Perform the complete reinstallation of the vertical turbine pumping equipment including a short performance test while pumping to waste to record the well and pump hydraulic characteristics. Collect 2 water samples (24 hrs apart) to be sent to a state approved lab for bacteriological analysis. Clean up the job site and demobilize.
(est. 12hrs) $2,950.00

Adder for **Optional** downhole video of the well with dual axis color camera $950.00

Should you have any further questions, please feel free to contact our office at your convenience.
Sincerely,
Water Well Solutions

Peter Bennin

Peter Bennin
Project Manager

Water Well Solutions * N87 W36051 Mapleton St. * Oconomowoc, WI 53066
Toll Free (888) 769-9009 * Main (920) 474-4777 * Fax (920) 474-4771

MUNICIPAL
WELL & PUMP

Project Proposal

Re: **Jackson - Well 3 Pull & Inspect**

Item #	Item Description	Quantity	Units	Unit Price	Extended Price
1	A.Mob Crew , pre-test, Pull Pump	1	EA	7,973.00	$ 7,973.00
2	B.Provide Equip Inspection & Report			-	-
3	C.TV Logging w/ Report			-	-
4	D.Reinstall repaired pumping unit,			-	-
5	including new rubber bearings,			-	-
6	, clean/check/straighten shafts			-	-
7	, replace airlines, disinfection, change			-	-
8	motor oil, megger mtr check/report,			-	-
9	sampling, reports, update records,			-	-
10	vibration check/report			-	-
11				-	-
12	**Notes:**			-	-
13	Any further repairs, if applicable, to			-	-
14	be confirmed and authorized			-	-
15				-	-
16	Any well service, if applicable, to			-	-
17	be confirmed and authorized			-	-
18				-	-
19	Pump reportedly 130' setting depth			-	-
20				-	-
21				-	-
22				-	-
23				-	-
24				-	-
25				-	-
26				-	-
27				-	-
28				-	-
29				-	-
30				-	-
31				-	-
32				-	-
33				-	-
34				-	-
35				-	-
36				-	-
37				-	-
38				-	-
39				-	-
40				-	-
41				-	-
42				-	-
43				-	-
44				-	-
45				-	-
46				-	-
47				-	-
48				-	-
Total Project Proposal					7,973.00

Dated: April 12, 2017

By: Tracy Greenfield

Tracy Greenfield
Senior Project Manager
Municipal Well & Pump

MLG

development · investment · brokerage · management

tel 262 797 9400
fax 262 797 8940
www.mlgcommercial.com

13400 Bishop's Lane
Suite 100
Brookfield WI 53005

Offices in Wisconsin,
Florida and Virginia

September 17, 2009

Village of Jackson
Attn: Mr. Brian Kober
N168 W20733 Main Street
Jackson, WI 53037

RE: LETTER OF CREDIT REDUCTION #2 – ENGLISH OAKS

Dear Brian:

MLG Development is requesting a letter of credit reduction in the amount of $254,204.29 for our English Oaks subdivision. Our remaining balance would be $60,672.88, which includes the final lift of asphalt and a 15% contingency.

The breakout for the reduction request is as follows:

Grading	$ 41,343.00
Sidewalk	$ 38,322.81
Street Trees	$ 11,500.00
Contingency	$163,038.48
Total Letter of Credit Reduction	$ 254,204.29

Please place this item on the next agenda for Village approval. Upon review, if you have any questions or need additional information, feel free to contact me at 262-797-9400.

Sincerely,

David Tanner
Senior Development Coordinator

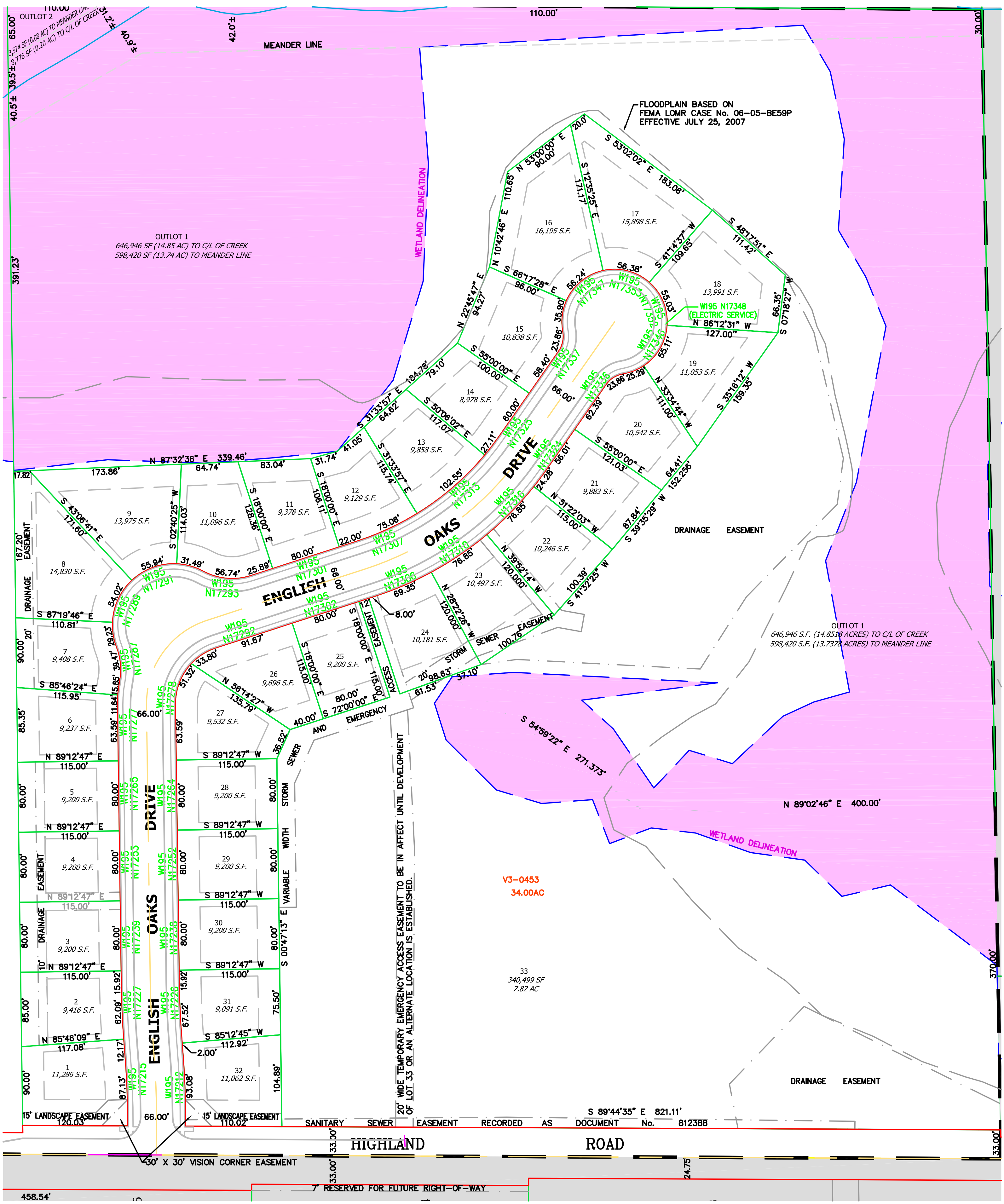
Enclosure

Cc: Geoff Nauth – M&I Bank
TJW
MJJ
DCS

k:\projects\jackson-english oaks\loan and letter of credit\loc reduction #2.doc

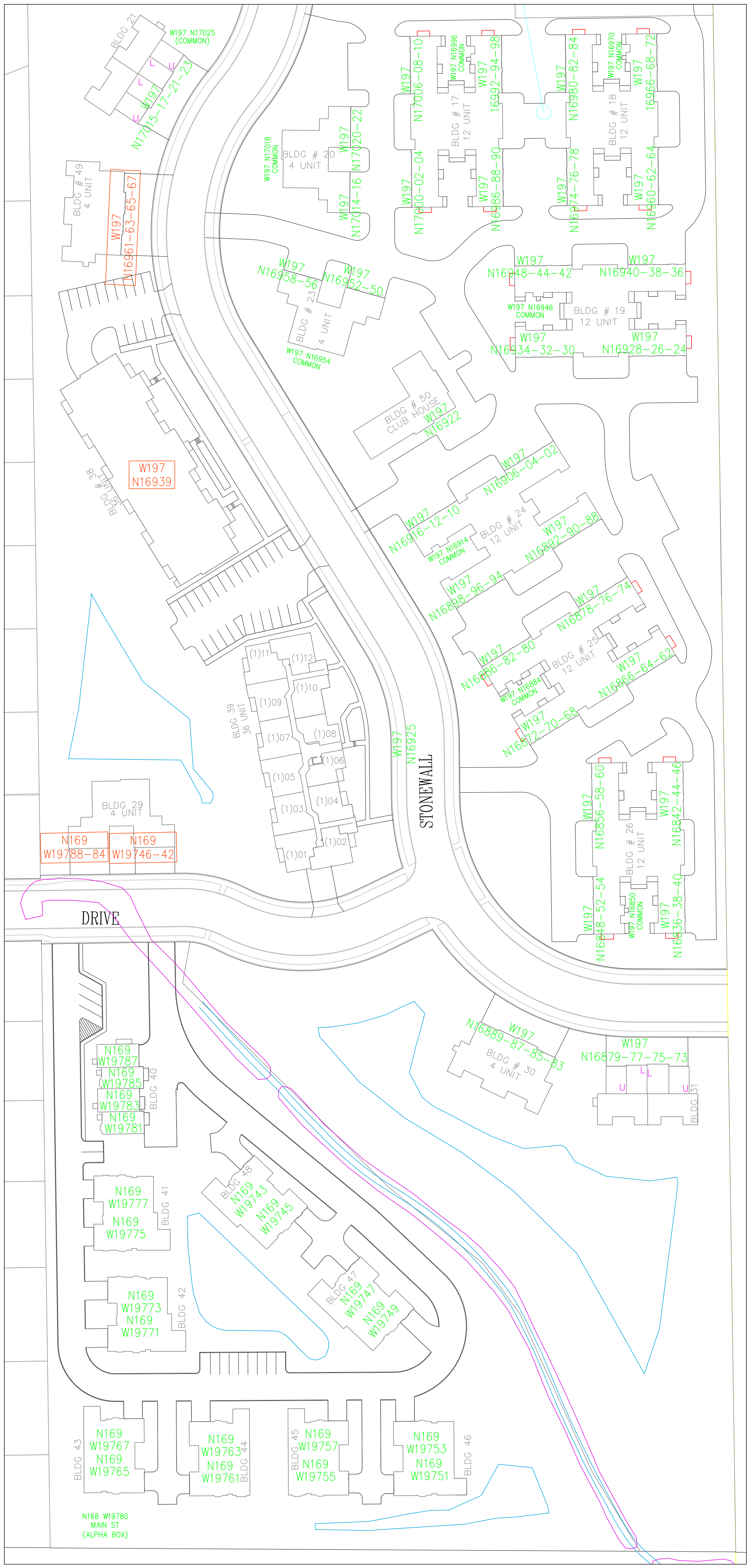
English Oaks Letter of Credit

ITEM	Original LOC AMOUNT	Completed as of 3-10-2008	LOC 3-10-2008	REDUCTION #1 (Nov-08)	REDUCTION #2 (Sep-09)	REDUCTION #3	BALANCE
Grading and Erosion Control (Incl. ROW restoration)	$ 493,758.00	$ 256,360.91	$ 237,397.09	$ 196,054.09	$ 41,343.00		$ -
Sanitary Sewer and Laterals	$ 125,152.25	$ -	$ 125,152.25	$ 125,152.25			$ -
Watermain and Laterals	$ 132,080.00	$ -	$ 132,080.00	$ 132,080.00			$ -
Storm Sewer	$ 140,507.75	$ 2,665.00	$ 137,842.75	$ 137,842.75			$ -
Asphalt (Base, Surface & Stone Base)	$ 154,156.26	$ -	$ 154,156.26	$ 99,741.12			$ 54,415.14
Curb and Gutter	$ 33,164.40	$ -	$ 33,164.40	$ 33,164.40			$ -
Sidewalk	$ 38,322.81	$ -	$ 38,322.81		$ 38,322.81		$ -
Street Trees (46 @ $250)	$ 11,500.00	$ -	$ 11,500.00		$ 11,500.00		$ -
15% (Village of Jackson)	$ 169,296.22	$ -	$ 169,296.22		$ 163,038.48		$ 6,257.74
TOTAL	**$ 1,297,937.69**	**$ 259,025.91**	**$ 1,038,911.78**	**$ 724,034.61**	**$ 254,204.29**	**$ -**	**$ 60,672.88**



OUTLOT 2
OUTLOT 1
646,946 SF (14.85 AC) TO C/L OF CREEK
598,420 SF (13.74 AC) TO MEANDER LINE
MEANDER LINE
WETLAND DELINEATION
FLOODPLAIN BASED ON
FEMA LOMR CASE No. 06-05-BE59P
EFFECTIVE JULY 25, 2007
ENGLISH OAKS DRIVE
DRAINAGE EASEMENT
OUTLOT 1
646,946 S.F. (14.8518 ACRES) TO C/L OF CREEK
598,420 S.F. (13.7378 ACRES) TO MEANDER LINE
W195 N17348
(ELECTRIC SERVICE)
STORM SEWER EASEMENT
ACCESS EASEMENT
SEWER AND EMERGENCY
STORM SEWER VARIABLE WIDTH
20' WIDE TEMPORARY EMERGENCY ACCESS EASEMENT TO BE IN AFFECT UNTIL DEVELOPMENT OF LOT 33 OR AN ALTERNATE LOCATION IS ESTABLISHED.
V3-0453
34.00AC
33
340,499 SF
7.82 AC
15' LANDSCAPE EASEMENT
SANITARY SEWER EASEMENT RECORDED AS DOCUMENT No. 812388
HIGHLAND ROAD
30' X 30' VISION CORNER EASEMENT
7' RESERVED FOR FUTURE RIGHT-OF-WAY
S 89°44'35" E 821.11'
N 89°02'46" E 400.00'
S 54°59'22" E 271.373'
N 87°32'36" E 339.46'

Please note:
Boxed addresses in red have been changed from the previously assigned addresses.



From:	Hoft.Lori
To:	"Brian"; lawrence.huber@elpaso.com
Cc:	"David Erlandson"
Subject:	RE: Storm Sewer Project Hemlock Street
Date:	Wednesday, March 01, 2017 2:43:12 PM

Brian,

I checked on our end with our construction department. They said that if you hotline the area you could have someone hand dig and expose it or hydro-vac the area of concern.

Thank you,

Lori Hoft
262-338-7674

From: Brian [mailto:dirpubwks@villageofjackson.com]
Sent: Tuesday, February 28, 2017 2:27 PM
To: lawrence.huber@elpaso.com
Cc: 'David Erlandson'; Hoft.Lori
Subject: Storm Sewer Project Hemlock Street

Larry,

The Village of Jackson is in the pre-planning stages on installing a storm sewer under the gas line crossing Hemlock Street.

We would like to know the elevation of the pipe if there is going to be a conflict.

If you have any questions please do not hesitate to ask.

Brian W. Kober, P.E.
Village of Jackson
Director of Public Works
PO Box 637
N168 W20733 Main Street
Jackson, WI 53037
Phone (262) 677-9001
Fax (262) 677-9710

Village of Jackson

PLSS

PLSS Section

PLSS Township

Roads

Railroads

Right of Way

Surface Water

Hydrography

Cadastral

Jackson Limits

Buildings

Address Point

Multi Address Point

Parcel

Zoning

Zone FW

Zone FC

Zone FF

Zone GFP

Zone A-1

Zone B-1

Zone B-2

Zone I-1

Zone P-1

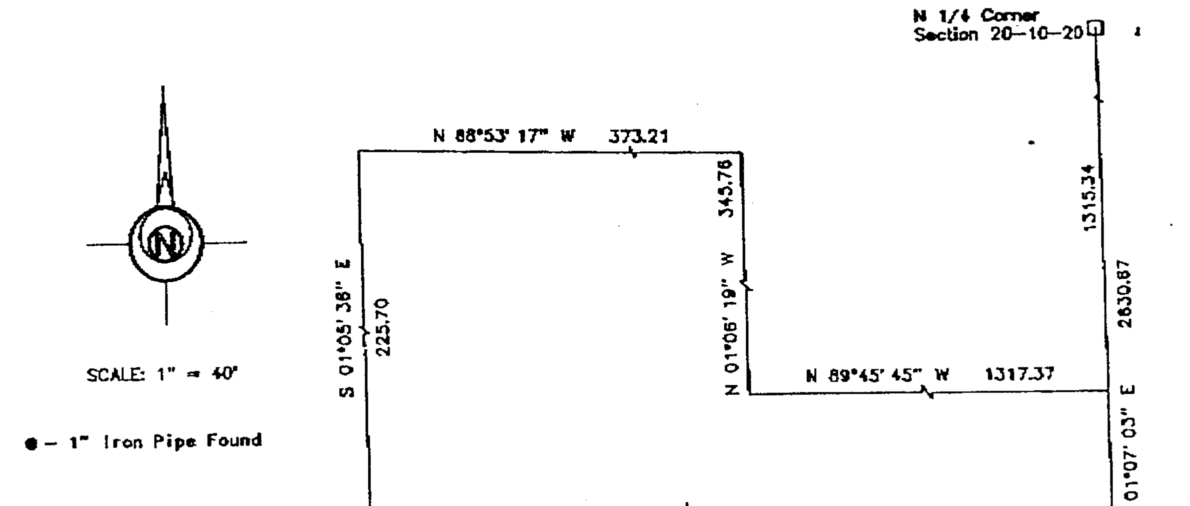
Zone PUD

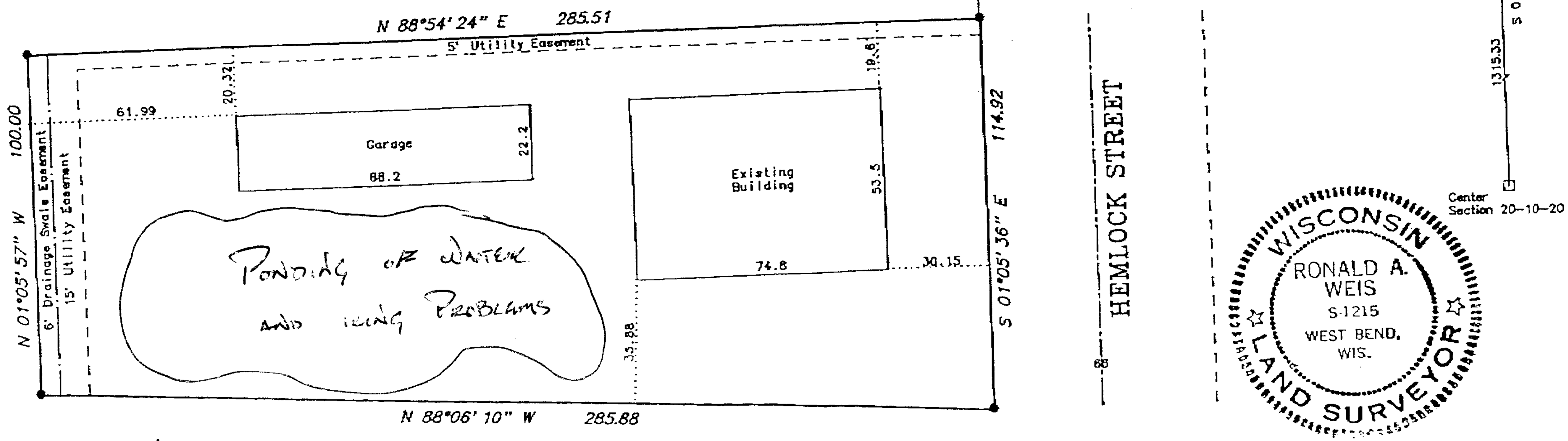
Zone R-1

This map was compiled using data believed to be accurate; however, a degree of error is inherent in all maps. This map was distributed "AS-IS" without warranties of any kind, either expressed or implied, including but not limited to warranties of suitability to a particular purpose or use. No attempt has been made in either the design or production of the maps to define the limits or jurisdiction of any federal, state, or local government. Detailed on-the-ground surveys and historical analyses of sites may differ from the maps.

PLAT OF SURVEY
FOR
FREDRIC M. WEIN

Lot Three (3) of Block Six (6) in Pinehurst Addition No. 2, a Subdivision of part of the NW 1/4 of the NW1/4 of Section Twenty (20), Town Ten (10) North, Range Twenty (20) East, Village of Jackson, Washington County, Wisconsin.





State of Wisconsin)
Washington County)s.s.

I hereby certify that I have made a survey of the land shown and described hereon and that this plat of survey is a correct representation of the boundaries of the land surveyed and the location of buildings on said land.

Dated this 20th day of March 1997.

Ronald A. Weis
Registered Land Surveyor

File: wein_pine2_lot3_blk6	
Dated: 3-20-97	Drafted By: W.G.H.

Citizens/Weis Corporation 3018 E. Progress Dr. Suite 2 West Bend, WI 53095 (414)338-3600

Village of Jackson
Hemlock Street
Storm Sewer Extension

Bench Mark Southwest tag bolt on hydrant flange at W201 N16659 Hemlock Street

Height	Reading	HI	
876.11	2.84	878.95	Instrument height used

Bench Mark Southwest tag bolt on hydrant flange at Hemlock Street & Hickory Lane

Height	Reading	HI	
873.44	4.56	878	Note: reading was a long distance.

4/24/2013

Station	Reading	Invert of Curb Elevation	Elevation	Pipe Invert	Cut/Fill	Remark
0+00	3		869.55			Inlet flow line
0+00	6.40	872.55		869.55	3.00	Inlet base
0+25	6.75	872.20		869.68	2.52	
0+75	6.63	872.32		869.80	2.52	
1+00	6.48	872.47		869.93	2.54	
1+25	6.28	872.67		870.05	2.62	
1+34	6.21	872.74		870.18	2.56	Crossing of High Pressure gas main
1+50	6.14	872.81		870.30	2.51	
1+73	6.09	872.86		870.43	2.43	
1+73	6.09	872.86		870.63	2.23	Start of 8-inch pipe
2+00	5.23	873.72		870.75	2.97	
2+25	5.21	873.74		870.88	2.86	
2+50	5.10	873.85		871.00	2.85	
2+75	4.87	874.08		871.13	2.95	
3+00	4.76	874.19		871.25	2.94	
3+25	4.86	874.09		871.38	2.71	Proposed Inlet

Materials	Quantity	Unit	Price	Cost	Remarks
12-inch ADS Pipe	173	FT	$57.94	$10,023.62	price includes curb removal
Concrete Inlet	1	Each	$805.00	$805.00	
Granular Backfill	1	LS	$1,500.00	$1,500.00	
Curb Replace	1	LS	$1,730.00	$1,730.00	
Asphalt Street Repair	1	LS	$500.00	$500.00	
			Sub-Total	**$14,558.62**	
8-inch ADS Pipe	152	Each	$51.25	$7,790.00	
Field Drain Inlet	1	Each	$325.00	$325.00	
Concrete Driveway Repair	2	Each	$500.00	$1,000.00	
Asphalt Driveway Repair	1	LS	$500.00	$500.00	
Topsoil and Seeding	1	LS	$100.00	$100.00	
			Sub-Total	**$9,715.00**	
			Total	**$24,273.62**	

Public Works Report
April 25, 2017

Treatment Plant - Designed Capacity – 1.67 million gallons per day
Peak Flow Capacity – 6.0 million gallons per day

Year 2015

January	Avg. Flow 667,774 g.p.d.	Min. Flow 617,000 g.p.d.	Max. 713,000 g.p.d.
February	Avg. Flow 620,893 g.p.d.	Min. Flow 591,000 g.p.d.	Max. 662,000 g.p.d.
March	Avg. Flow 753,484 g.p.d.	Min. Flow 597,000 g.p.d.	Max. 885,000 g.p.d.
April	Avg. Flow 1.203 MGD	Min. Flow 705,000 g.p.d.	Max. 3.759 MGD
May	Avg. Flow 775,323 g.p.d.	Min. Flow 584,000 g.p.d.	Max. 1.317 MGD
June	Avg. Flow 905,633 g.p.d.	Min. Flow 661,000 g.p.d.	Max. 1.409 MGD
July	Avg. Flow 696,290 g.p.d.	Min. Flow 571,000 g.p.d.	Max. 912,000 g.p.d.
August	Avg. Flow 726,935 g.p.d.	Min. Flow 558,000 g.p.d.	Max. 1.254 MGD
September	Avg. Flow 728,240 g.p.d.	Min. Flow 526,000 g.p.d.	Max. 1.364 MGD
October	Avg. Flow 505,516 g.p.d.	Min. Flow 409,000 g.p.d.	Max. 691,000 g.p.d.
November	Avg. Flow 696,800 g.p.d.	Min. Flow 494,000 g.p.d.	Max. 1.583 MGD
December	Avg. Flow 897,258 g.p.d.	Min. Flow 616,000 g.p.d.	Max. 1.799 MGD

Year 2016

January	Avg. Flow 611,323 g.p.d.	Min. Flow 451,000 g.p.d.	Max. 924,000 g.p.d.
February	Avg. Flow 640,793 g.p.d.	Min. Flow 496,000 g.p.d.	Max. 851,000 g.p.d.
March	Avg. Flow 821,839 g.p.d.	Min. Flow 567,000 g.p.d.	Max. 1.463 MGD
April	Avg. Flow 718,000 g.p.d.	Min. Flow 563,000 g.p.d.	Max. 1.079 MGD
May	Avg. Flow 615,000 g.p.d.	Min. Flow 490,000 g.p.d.	Max. 937,000 g.p.d.
June	Avg. Flow 622,700 g.p.d.	Min. Flow 513,000 g.p.d.	Max. 892,000 g.p.d.
July	Avg. Flow 690,935 g.p.d.	Min. Flow 457,000 g.p.d.	Max. 1.074 MGD
August	Avg. Flow 1.039 MGD	Min. Flow 822,000 g.p.d.	Max. 1.338 MGD
September	Avg. Flow 1.333 MGD	Min. Flow 813,000 g.p.d.	Max. 2.166 MGD
October	Avg. Flow 1.319 MGD	Min. Flow 949,000 g.p.d.	Max. 2.572 MGD
November	Avg. Flow 1.111 MGD	Min. Flow 859,000 g.p.d.	Max. 1.818 MGD
December	Avg. Flow 1.211 MGD	Min. Flow 889,000 g.p.d.	Max. 2.063 MGD

Year 2017

January	Avg. Flow 1.230 MGD	Min. Flow 979,000 g.p.d.	Max. 1.606 MGD
February	Avg. Flow 1.204 MGD	Min. Flow 926,000 g.p.d.	Max. 2.141 MGD
March	Avg. Flow 1.559 MGD	Min. Flow 1.09 MGD	Max. 2.398 MGD

Years Summary of Water Consumption

2004 Total Pumpage 216,055,000 gallons
2005 Total Pumpage 223,215,000 gallons
2006 Total Pumpage 207,719,000 gallons
2007 Total Pumpage 217,224,000 gallons
2008 Total Pumpage 229,613,000 gallons
2009 Total Pumpage 231,160,000 gallons
2010 Total Pumpage 239,326,000 gallons
2011 Total Pumpage 240,268,000 gallons
2012 Total Pumpage 253,492,000 gallons
2013 Total Pumpage 228,371,000 gallons
2014 Total Pumpage 230,973,000 gallons
2015 Total Pumpage 222,621,000 gallons
2016 Total Pumpage 254,531,000 gallons

Year 2015

Jan.	Avg.	599,680 g.p.d.	Highest Day 719,000 gals.	Total	18,590,000 gallons
Feb	Avg.	587,040 g.p.d.	Highest Day 736,000 gals.	Total	16,437,000 gallons
March	Avg.	582,970 g.p.d.	Highest Day 698,000 gals.	Total	18,072,000 gallons
April	Avg.	601,370 g.p.d.	Highest Day 928,000 gals.	Total	18,041,000 gallons
May	Avg.	585,260 g.p.d.	Highest Day 698,000 gals.	Total	18,143,000 gallons
June	Avg.	640,430 g.p.d.	Highest Day 779,000 gals.	Total	19,213,000 gallons
July	Avg.	722,550 g.p.d.	Highest Day 989,000 gals.	Total	22,399,000 gallons
August	Avg.	733,420 g.p.d.	Highest Day 1.197 MGD	Total	22,736,000 gallons
Sept	Avg.	615,700 g.p.d.	Highest Day 753,000 gals.	Total	18,471,000 gallons
Oct	Avg.	594,840 g.p.d.	Highest Day 945,000 gals	Total	18,440,000 gallons
Nov	Avg.	492,630 g.p.d.	Highest Day 599,000 gals	Total	14,779,000 gallons
Dec	Avg.	555,480 g.p.d.	Highest Day 637,000 gals	Total	17,220,000 gallons

Year 2016

Jan.	Avg.	580,680 g.p.d.	Highest Day 734,000 gals.	Total	18,001,000 gallons
Feb.	Avg.	603,930 g.p.d.	Highest Day 710,000 gals.	Total	17,514,000 gallons
March	Avg.	586,650 g.p.d.	Highest Day 693,000 gals.	Total	18,186,000 gallons
April	Avg.	660,200 g.p.d.	Highest Day 1.021 MGD	Total	19,806,000 gallons
May	Avg.	681,130 g.p.d.	Highest Day 997,000 gals.	Total	21,115,000 gallons
June	Avg.	781,870 g.p.d.	Highest Day 1.113 MGD	Total	23,456,000 gallons
July	Avg.	865,610 g.p.d.	Highest Day 1.046 MGD	Total	26,834,000 gallons
August	Avg.	817,940 g.p.d.	Highest Day 1.084 MGD	Total	25,356,000 gallons
Sept	Avg.	700,630 g.p.d.	Highest Day 835,000 gals	Total	21,019,000 gallons
Oct	Avg.	738,520 g.p.d.	Highest Day 1.235 MGD	Total	22,894,000 gallons
Nov	Avg.	654,530 g.p.d.	Highest Day 829,000 gals	Total	19,636,000 gallons
Dec	Avg.	668,190 g.p.d.	Highest Day 779,000 gals	Total	20,714,000 gallons

Year 2017

Jan.	Avg.	630,710 g.p.d.	Highest Day 771,000 gals.	Total	19,552,000 gallons
Feb.	Avg.	640,790 g.p.d.	Highest Day 885,000 gals	Total	17,942,000 gallons
March	Avg.	611,520 g.p.d.	Highest Day 691,000 gals	Total	18,957,000 gallons

Pump Capacity - Well #1- 400 g.p.m. Well #3 -900 g.p.m. Well #4 - 1200 g.p.m. Well #5 – 1,100 g.p.m. Well #6 – 800 g.p.m.

WWTP – Holding & Septage Receiving

2005	$ 87,562.01	**2006**	$101,115.11	**2007**	$152,201.07	**2008**	$210,441.47
2009	$183,815.34	**2010**	$197,653.66	**2011**	$220,576.28	**2012**	$236,224.70
2013	$235,336.46	**2014**	$203,938.32	**2015**	$210,644.47	**2016**	$220,473.17

2015	**Holdings (gals)**	**Grease (gals)**	**G Decant (gals)**	**Septage (gals)**	**S Decant (gals)**	**Total Billings**
Jan	1,326,850			10,250	52,100	$11,663.89
Feb	1,191,500			2,500	45,400	$10,171.26
March	1,507,900			16,150	85,900	$14,102.76
April	1,668,450			35,250	398,200	$23,878.38
May	1,190,850			31,100	148,600	$13,890.38
June	1,407,600			37,750	349,100	$20,794.50
July	1,485,950			33,830	243,660	$18,589.33
August	1,255,600			28,050	290,860	$17,810.50
September	1,459,400			15,500	333,350	$19,899.26
October	1,273,400	7,200		37,150	369,300	$20,603.82
November	1,336,300			36,200	343,035	$20,046.14
December	1,610,500			31,200	234,700	$19,194.26

2016	**Holdings (gals)**	**Grease (gals)**	**G Decant (gals)**	**Septage (gals)**	**S Decant (gals)**	**Total Billings**
Jan	1,359,400			3,500	47,700	$11,528.02
Feb	1,443,000			1,500	31,350	$11,666.26
March	1,515,950			5,600	102,900	$14,166.14
April	1,600,500			25,000	284,250	$20,110.01
May	1,560,350			24,000	246,200	$18,817.63
June	1,551,600			49,100	257,900	$20,048.50
July	1,195,900			21,850	278,400	$16,803.25
August	1,506,850			29,750	276,250	$19,397.63
September	1,501,850			48,550	373,430	$22,541.63
October	1,447,150			126,250	389,054	$25,629.98
November	1,471,800			40,900	343,250	$21,255.76
December	1,657,250			11,250	225,160	$18,508.38

2017	**Holdings (gals)**	**Grease (gals)**	**G Decant (gals)**	**Septage (gals)**	**S Decant (gals)**	**Total Billings**
Jan	1,287,450			10,500	57,100	$11,503.39
Feb	1,358,400		28,500	1,750	78,550	$13,361.76

Final Lift for Developed Subdivisions
Bielinski Homes has scheduled the final lift in Laurel Springs Subdivision Phase 1 for June 5th. They are now planning on developing phase 2 in the Fall of 2017.

Rosewood Drive/TIF #4 Expansion Project
The property still has the potential of being developed. Lawsuit is pending.

GIS Program
Town and Country Engineering continues to work on the maps, and getting the tablets ready for accessing the maps. An instructional meeting for staff is being scheduled to increase map usage.

Storm Water Management Plan
The ordinance is being finalized to be incorporated into the new Village Code. We will continue to monitor the system per the Storm Water Management Plan. The submittal deadline is June 30, 2017.

SCADA Upgrade Project
The start of programming is scheduled for May 1st, and testing of the installed system in August.

Wilshire Drive Project LRIP
All items have been completed with only the landscaping to be addressed in the year of 2017. The grant money request form has been completed for reimbursement. A punch list will be completed soon.

Industrial Drive Sidewalk Project
The Industrial Drive Sidewalk project has been completed and a walkthrough completed. The only item is the landscaping to be addressed in the year of 2017.

Stonewall Sidewalk Project
The asphalt sidewalk has been installed. The only item is the landscaping to be addressed in the year of 2017.

Space Needs Analysis Study
Cedar Corp team continues to meet with staff in developing plans for a new Safety Building.

Chateau Drive Reconstruction Project
The Chateau Drive Reconstruction Project is making progress. The crew is working Saturday, April 22nd to keep on schedule. Water Main has been installed with all services. All customers are on the new water main. Next, on the schedule is the storm sewer lateral installation. There are three properties to be inspected in order to complete the storm sewer lateral design.

CTH P and STH 60 Intersection Project
Washington County Highway Department has contracted with Gremmer & Associates to start the design of the reconstruction of CTH P from STH 60 to a point north of Cedar Creek Road. A design kickoff meeting is being scheduled. No Change

Respectfully submitted, Brian W. Kober, P.E.