

CITY OF HORICON

404 EAST LAKE STREET
HORICON WI 53032

MEETING NOTICE

DATE ISSUED: January 17, 2020

BY: Jim Grigg, Mayor

PLAN COMMISSION

ATTENDEES:

Mayor Grigg

Susan Hady

Mark Neitzel

Dave Westimayer

John Flouro

Tim Kingman

Werner Biederman

Chester Ward

C: Kunkel Engineering

Thomas Anfinson

DATE:

Monday, January 27, 2020

TIME:

6:00 p.m.

LOCATION:

City Hall, Activity Room

LEADER:

Mayor Jim Grigg, Chairman

AGENDA:

1. Call to Order
2. Roll Call
3. Act on Minutes for December 9, 2019.
4. Act on Letter of Notification for Proposed Land Split for Mark Krause - N5874 W. Horseshoe Road, Town of Hubbard.
5. Act On Site Plan Review (Lift Station Specification) – Oak Grove Development Phase 2.
6. Non-Action Discussion.
7. Adjourn.

IF UNABLE TO ATTEND, PLEASE NOTIFY: Mayor Grigg

PHONE: 485-3500

DATE POSTED: January 17, 2020

TIME POSTED: 12:00 p.m.

Plan Commission met in regular session with Mayor Grigg presiding. The meeting was called to order at 6:00 P.M.

Members present: Mayor Jim Grigg, Susan Hady, Tom Tisdale, Tim Kingman, Thomas Anfinson, Mark Neitzel, Werner Biederman, and Dave Westimayer.

Members absent: John Flouro and Chester Ward

Motion by Thomas Anfinson, second by Dave Westimayer, to approve the minutes of August 20, 2019 meeting as printed. Motion carried on a voice vote with no objections.

Also in attendance were Dave DePover, representing Dave's Plumbing and Heating; Donna Braun, representing Dodge County Housing Authority; and Don Neitzel, representing Kunkel Engineering.

Committee discussed the Land Split for Mark Pilsner located at N6149 St. Helena Road in the Town of Oak Grove.

Motion by Susan Hady, second by Werner Biederman, to recommend to Dodge County approval of the Land Split for Mark Pilsner Located at N6149 St. Helena Road in the Town of Oak Grove. Motion carried on a voice vote with no objections.

Dave DePlover reviewed the reason of the Certified Survey Map for Dave's Plumbing and Heating, 103 S. Hubbard St. - Land Split for Parcel #236-1116-0642-027. Due to the sale of the property, the section would be returned to the House lot. This was the original site plan.

Motion by Dave Westimayer, second by Thomas Anfinson, to recommend to the Council approval of the Certified Survey Map for Dave's Plumbing and Heating, 103 S. Hubbard St. - Land Split for Parcel # 236-1116-0642-027.

Motion carried on a voice vote with no objections.

Discussion was held on reason of PUD Ordinance change. Due to financing the site is changed to three sections. The total parcel was in the original PUD.

Motion by Mark Neitzel, second by Thomas Anfinson, to recommend to the Council approval of the PUD Ordinance change.

Motion carried on a voice vote with no objections.

Don Neitzel reviewed the Site Plan for the Oak Grove Phase 2 Housing Development Project of the Dodge County Housing Authority.

Motion by Werner Biederman, second by Dave Westimayer, to approve the Site Plan, contingent on approval of the PUD Ordinance change and Lift Station Specification.

Motion carried on a voice vote with no objections.

Motion by Werner Biederman, second by Thomas Anfinson, to adjourn.
Motion carried on a voice vote with no objections.

The meeting adjourned at 7:05 p.m.

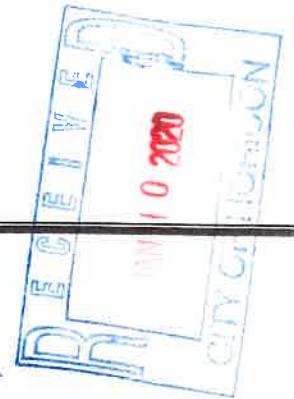


Jim Grigg, Mayor



Dodge County Land Resources and Parks Department

127 East Oak Street · Juneau, WI 53039-1329
PHONE: (920) 386-3700 · FAX: (920) 386-3979
EMAIL: landresources@co.dodge.wi.us



DATE SENT TO CITY: **JANUARY 6, 2020**

**DEADLINE FOR
CITY DENIAL:** **FEBRUARY 6, 2020**

LETTER OF INTENT NOTIFICATION

Please find attached a copy of the minor subdivision letter of intent(s) submitted to our department for approval.

<u>NAME</u>	<u>CITY</u>	<u>ACTIVITY NUMBER</u>
MARK KRAUSE	HORICON	2020-0004

Please notify our department of your City's position on the enclosed letter(s) of intent. If your City does not return the completed form by the above deadline or file a request that the County review be delayed until a date after which your City has reviewed the proposal, we will assume that the City is in favor of the land division request and we will then proceed with scheduling County Planning Committee review at their next available meeting.

CONTACT: Land Resources and Parks Department
ATTN: Land Division
127 E. Oak Street
Juneau, WI 53039

Phone: (920) 386-3700
FAX: (920) 386-3979

Thank you!

CITY'S RECOMMENDATION

APPROVE DENY NO RECOMMENDATION

LAYOVER TO DATE: _____

COMMENTS: _____

CITY REPRESENTATIVE



DODGE COUNTY
 LAND RESOURCES AND PARKS DEPARTMENT
 127 E. OAK STREET • JUNEAU, WI 53039
 PHONE: (920) 386-3700 • FAX: (920) 386-3979
 E-MAIL: landresources@co.dodge.wi.us

Activity No. 200004	Expiration Date
Application Date: 1-6-2020	Receipt #: CC

MINOR LAND DIVISION LETTER OF INTENT FORM

Application Fee: \$75 (Non-Refundable)

NAMES & MAILING ADDRESSES	PROPERTY DESCRIPTION
Applicant (Agent) MARK KRAUSE	Parcel Identification Number (PIN) 022-1116-1941-000
Street Address NS874 W. Horseshoe Rd	Town Hubbard
City • State • ZipCode HORICON WI 53032	Town Grid T 11 N R 16 E
Property Owner (If different from applicant)	Subdivision (Name, lot and block) or CSM # (Volume/Page/Lot)
Street Address	Site Address Of Property (DO NOT include City/State/ZipCode)
City • State • ZipCode	Is this property connected to public sewer? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

CONTACT PERSON	
Name and daytime phone number (include area code) of a person we can contact if we have any questions about your application.	
Name Mark M. Krause	Daytime Phone (920) 427-6343

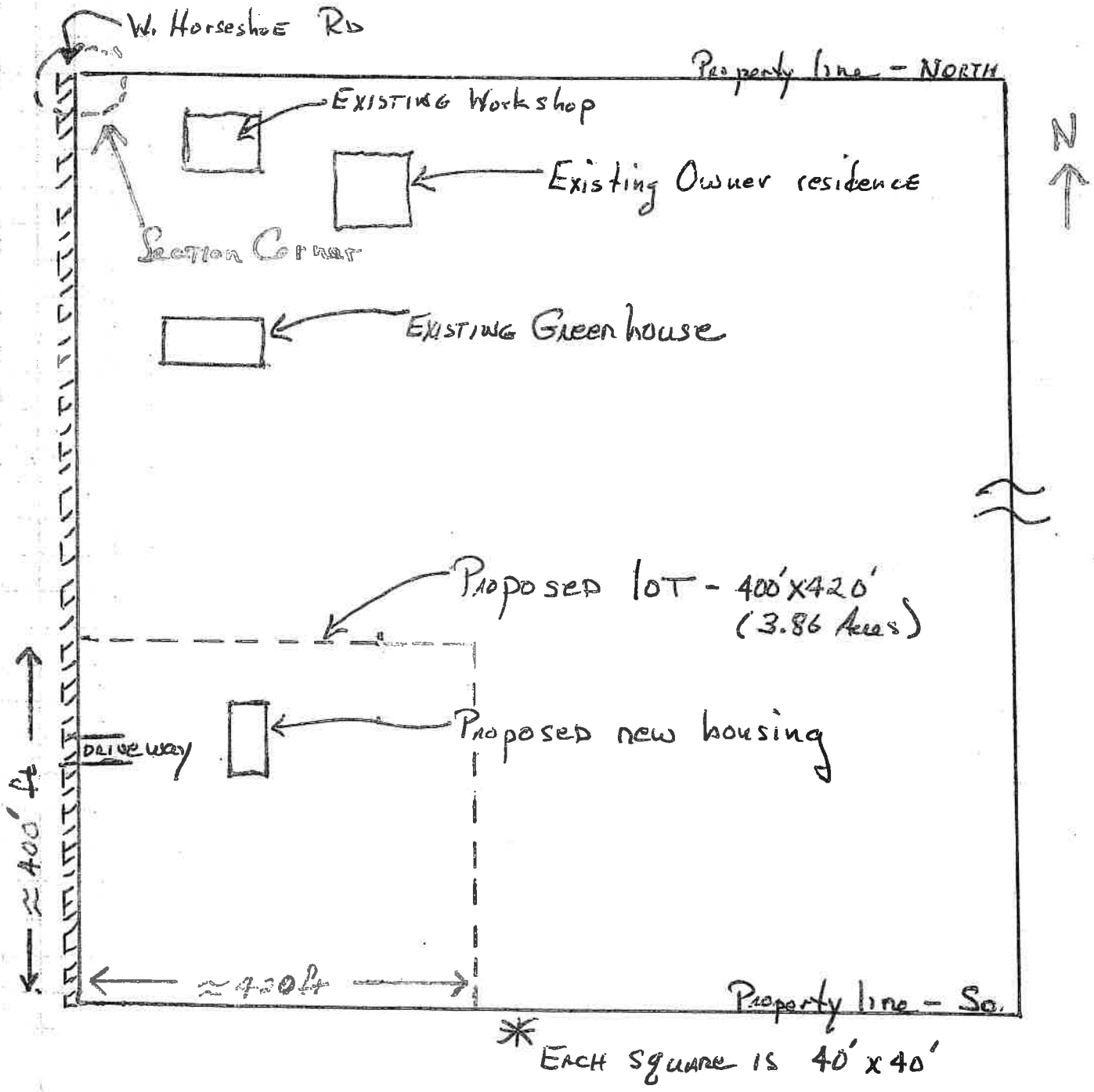
CURRENT PROPERTY USE	PROPOSED USE
<input type="checkbox"/> Vacant Property <input type="checkbox"/> Single Family Residential <input type="checkbox"/> Duplex (Two-Family Residential) <input type="checkbox"/> Multi-Family Residential • Number of residential units: _____ <input checked="" type="checkbox"/> Active Working Farm Operation <input type="checkbox"/> Recreational / Wetlands / Wooded Parcel <input type="checkbox"/> Business / Industrial / Commercial Use (Describe Below) <input type="checkbox"/> Other (Describe Below)	<input checked="" type="checkbox"/> Single Family Residential <input type="checkbox"/> Duplex (Two-family Residential) <input type="checkbox"/> Multi-Family Residential • Number of residential units: _____ <input type="checkbox"/> Agricultural Use Only – No residential structures <input type="checkbox"/> Open Space Recreational / Wetlands - No residential structures <input type="checkbox"/> Business / Industrial / Commercial Use (Describe Below) <input type="checkbox"/> Other (Describe Below)

A SKETCH PLAN SHOWING THE PROPOSED LAND DIVISION IS REQUIRED TO BE SUBMITTED WITH THIS APPLICATION.

CERTIFICATE	
I, the undersigned, hereby apply for Minor Land Division approval and certify that all the information both above and attached is true and correct to the best of my knowledge. I hereby authorize members of the Dodge County Land Resources and Parks Department to enter the above-described property for purposes of obtaining information pertinent to my request.	
Signature Mark M. Krause	Date 01/6/2020
Daytime Contact Number (920) 427-6343	

OFFICE USE ONLY		
<input type="checkbox"/> CUP Required (App _____)	<input type="checkbox"/> REZONE Required (App _____)	<input type="checkbox"/> Restriction Release Required
Notes:		

APPROVED <input type="checkbox"/>	DENIED <input type="checkbox"/>	LAND RESOURCES AND PARKS DEPARTMENT Date _____
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Five Principles of Lean

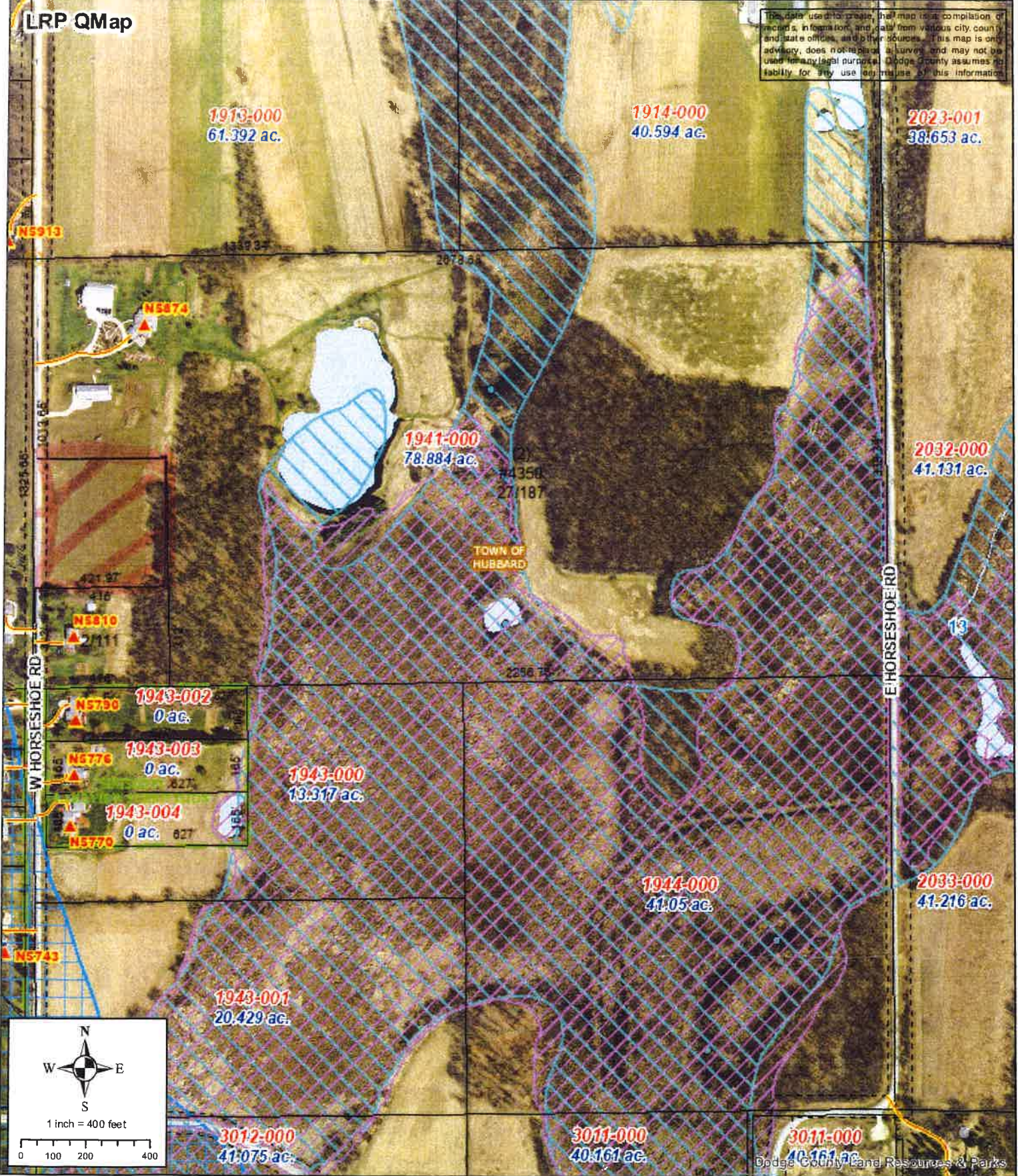
1. Directly observe work as activities, connections, and flows
2. Systematic waste elimination
3. Establish high agreement of what and how
4. Systematic problem solving
5. Create a learning organization

Seven Types of Waste

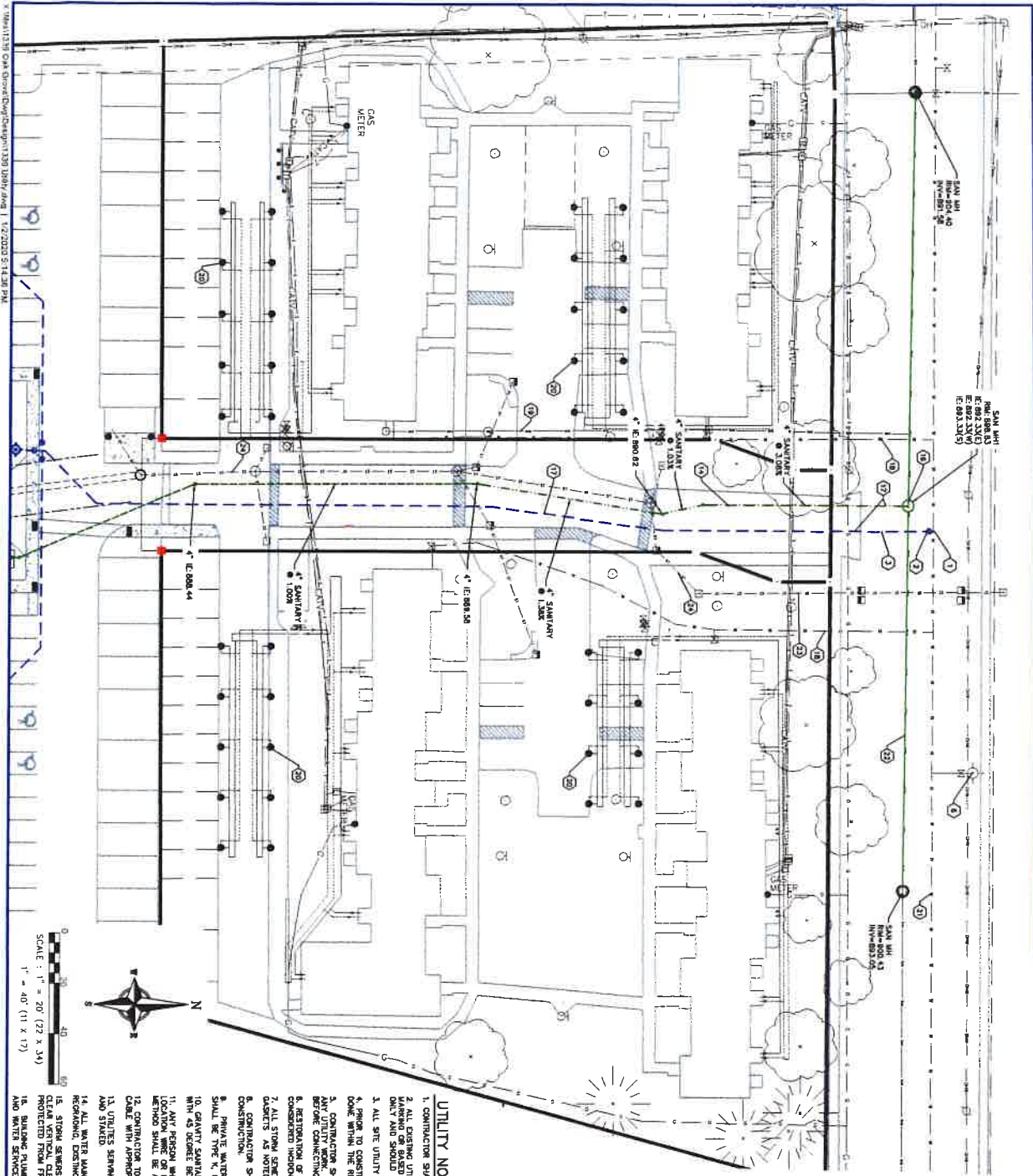
- | | |
|-------------------|-------------------|
| 1. Overproduction | 5. Waiting |
| 2. Transportation | 6. Overprocessing |
| 3. Inventory | 7. Defects |
| 4. Motion | |

LRP QMap

The data used to create this map is a compilation of records, information, and data from various city, county, and state offices, and other sources. This map is only advisory, does not replace a survey, and may not be used for any legal purpose. Dodge County assumes no liability for any use or misuse of this information.



General	WI Historical Society	Floodplain / Wetland	County Zoning
Urbanized Roads	Historic Structures	FEMA Floodplain/Storage/Dam Shadow	Planned Unit Development
Soils	Archaeological Sites	DNR Wetland Areas/Points	Hartford Extraterritorial
Airport Ordinance 3-Mile Buffer	Survey Areas	Shoreland Zoning	General Agricultural
Sewer Service Areas	Non-Metallic Mining	Shoreland Zoning Buffer	Prime Agricultural
Highly Developed Shoreline	Active Mining Area	Lakes/Ponds/Sloughs	One Family Residential
Elevation Contours	Approved Mining Area	Rivers/Streams/Creeks	Two Family Residential
	Mine Property Boundaries		Multi-Family Residential
			General Commercial
			Extensive Commercial
			Light Industrial
			Industrial
			Waterbody
			ROW/City/Village



- ### PLAN KEY
- 1) CONNECT TO EXISTING 8" WATER MAIN
 - 2) 8" VALVE
 - 3) 8" PRIVATE WATER MAIN
 - 4) HYDRANT & 8" VALVE
 - 5) CMB STOP, TYP.
 - 6) EXISTING HYDRANT
 - 7) 1.5" WATER SERVICE, TYP.
 - 8) 2.5" WATER MAIN
 - 9) CONNECT TO BUILDING WATER SERVICE, TYP. SEE PLUMBING PLANS
 - 10) CONNECT TO SANITARY BUILDING SEWER, TYP. SEE PLUMBING PLANS. PROVIDE CLEANOUT WITHIN 5 FEET OF WHERE THE BUILDING DRAIN AND BUILDING SEWER CONNECT.
 - 11) 4" PVC SANITARY SERVICE, TYP.
 - 12) 8" PVC SANITARY SERVICE
 - 13) 48" DIA. SANITARY MANHOLE
 - 14) 4" PVC SANITARY SERVICE FORCE MAIN
 - 15) LIFT STATION, PAUL RESON BY OTHERS
 - 16) REPLACE/FIX/ISH DIRECTION AND STREET AS NEEDED TO INSTALL UTILITIES
 - 17) EXISTING 4" WATER SERVICE
 - 18) EXISTING 8" SANITARY SERVICE
 - 19) EXISTING 6" SANITARY SERVICE
 - 20) EXISTING 6" DIAM. PUBLIC WATER MAIN
 - 21) EXISTING 8" CLAY PUBLIC SANITARY SEWER
 - 22) EXISTING 18" RCP STORM SEWER
 - 23) EXISTING 30" RCP STORM SEWER
 - 24) SANITARY CLEANOUT
 - 25) 5" PRO SERIES CHANNEL DRAIN BY HOS OR APPROVED EQUAL DRAIN TO BE TRAFFIC RATED AND ADA COMPLIANT. INSTALL PER MANUFACTURERS RECOMMENDATION.
- ### UTILITY NOTES
1. CONTRACTOR SHALL CALL DIGGERS NOTICE PRIOR TO ANY CONSTRUCTION.
 2. ALL EXISTING UTILITIES SHOWN ON THE PLAN ARE APPROXIMATE AND WERE FIELD LOCATED FROM GROUND SURVEY. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
 3. ALL SITE UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY STANDARD SPECIFICATIONS.
 4. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A STREET CLOSING PERMIT FOR ANY WORK TO BE DONE WITHIN THE RIGHT-OF-WAY.
 5. CONTRACTOR SHALL OBTAIN ALL NECESSARY PLUMBING CONNECTION PERMITS FROM THE CITY PRIOR TO ANY UTILITY WORK. CONTRACTOR TO NOTIFY THE PUBLIC WORKS DEPARTMENT A MINIMUM OF 48 HOURS BEFORE CONNECTION TO PUBLIC UTILITIES.
 6. RESTORATION OF PAVEMENT, CURB & GUTTER AND SIDEWALK WITHIN THE STREET RIGHT OF WAY IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF THE UNDERGROUND IMPROVEMENTS. CONTRACTOR SHALL ADVISE THE CITY OF ANY CHANGES TO THE RESTORATION SCHEDULE.
 7. ALL STORM SEWER PIPE TO BE ADS N-12 OR RCP CLASS II REINFORCED CONCRETE WITH RUBBER GASKETS AS NOTED ON THE STORM SEWER SCHEDULE.
 8. CONTRACTOR SHALL OBTAIN CONNECTION ELEVATION GRADINGS OF ALL PIPES PRIOR TO BEGINNING CONSTRUCTION.
 9. ALL WATER MAINS SHALL BE DUCTILE IRON OR C900 PVC WATER SERVICES 3.5" AND SMALLER SHALL BE RCP.
 10. SANITARY SERVICE SERVICES SHALL BE 8" DIA. TYP. ALL SERVICE CONNECTIONS TO BE 8" DIA. WITH 45 DEGREE BENDS. FORCE MAIN PVC PIPING SHALL BE CLASS 150-DWV CONFORMING TO AWWA C900.
 11. ANY PERSON WHO INSTALLS A NONCONFORMING WATER OR SEWER LATERAL MUST ALSO INSTALL A CLEANOUT CLEANOUT OF THE (2) FEET DEPTH PROXIMATE WITH LEAST VERTICAL CLEARANCE SHALL BE LOCATED WHERE OTHER EQUITALLY EFFECTIVE MEANS FOR MARKING THE LOCATION OF THE LATERAL. METHOD SHALL BE APPROVED BY THE CITY.
 12. CONTRACTOR TO COORDINATE NEW, RELOCATED AND/OR ABANDONED GAS, ELECTRIC, TELEPHONE, AND CABLE WITH APPROPRIATE UTILITY COMPANIES.
 13. UTILITIES SERVING PROPOSED BUILDINGS SHALL BE STUBBED WITHIN 5' OF THE PROPOSED BUILDINGS AND STAVED.
 14. ALL WATER MAIN PIPE AND FITTINGS SHALL BE INSTALLED TO A MIN. DEPTH OF COVER OF 6.5'. AFTER RECORDING, EXISTING WATER MAIN PIPE WHICH DOES NOT MEET THIS REQUIREMENT SHALL BE INSTALLED WITH 45 DEGREE BENDS. FORCE MAIN PVC PIPING SHALL BE CLASS 150-DWV CONFORMING TO AWWA C900.
 15. STORM SERVICES WHICH CROSS AN ACTIVE SEWER OR WATER MAIN ON LATERAL SHALL HAVE A MINIMUM CLEARANCE OF 2 FEET. OTHER EQUITALLY EFFECTIVE MEANS FOR MARKING THE LOCATION OF THE LATERAL METHOD SHALL BE APPROVED BY THE CITY.
 16. BUILDING SEWER, SANITARY SERVICE, RCP, AND EXACT LOCATION OF PROPOSED SANITARY LATERALS AND WATER SERVICES PRIOR TO INSTALLATION.

OAK GROVE DEVELOPMENT PHASE 2 – HORICON, WI
LIFT STATION CALCULATIONS – PRIVATE ON-SITE
 Project No. 19-9078
 December 23, 2019
 Revised - January 3, 2020
 Prepared by: Paul M. Phillips, P.E.
 Reviewed by: Alex Saunders, P.E.

Proposed Flow – Residential Housing Water Supply – per unit

<u>Item</u>	<u>Number</u>	<u>Fixture Units</u>	<u>Total</u>
Clothes Washer	1	1.5	1.5
Dishwasher	1	1.0	1.0
Bathroom Group	2	4.0	8.0
Kitchen Sink	1	1.5	1.5
SUB-TOTAL			12.0

TOTAL FIXTURE UNITS **20 units x 12.0 = 240.0**

Convert DF to GPM (per Table 382.40-3): **240 WSFU = 75 GPM +/-**

Design lift station for peak flow of 75 GPM

Determine total length of Force Main:

Force main pipe size: 4-inch

Length of FM from lift station to discharge at MH 1 = 365 LF

Equivalent pipe length for Lift Station Equipment:

4" plug valve: 1 x 5.6 LF	5.6 LF
4" x 45-degree Elbow – 2 x 5.0 LF	10.0 LF
4" x 90-degree Elbow – 3 x 10.0 LF	30.0 LF
4" Tee – side out – 1 x 22.0 LF	22.0 LF
4" Check Valve (Spring) – 1 x 43.0 LF	43.0 LF
	110.6 LF

Total length of force main = 365 + 110.6 = 475.6 LF use 476.0 LF

COMPUTE WET WELL VOLUME

Per SPS 382.30 (10) (2) (b): The capacity of the wet well shall be designed such that the pump shall run for a minimum of 20 seconds from pump on to pump off.

Required volume for 75 gpm pump running for 20 seconds = 75 x 0.33 minutes = **25 gallons.**

Assuming a 72-inch diameter wet well the volume per foot of wet well equals:

$$3 \times 3 \times 3.14 = 28.3 \text{ CF / ft of depth}$$

$$\text{Convert to gallons to cubic feet: } 25 \text{ gal} \times 1 \text{ CF} / 7.48 \text{ gal} = 3.34 \text{ CF}$$

$$\text{Depth required for a minimum of 20 seconds of operation} = 3.34 / 28.3 = 0.12 \text{ feet or 1.5-inches}$$

Per SPS 382.30 (10) (2) (c): The wet well needs to have 5 minutes of peak flow capacity between the highest pump on and the inlet pipe. With a minimum of 3-inches between the pump on elevation and the inlet pipe. This volume = $5 \times 75 = 375 \text{ gal}$ (50.1 CF). This computes to $50.1 \text{ CF} / 28.3 \text{ CF/Ft} = 1.77 \text{ feet}$

See Exhibit A for Wet Well design detail.

COMPUTE TOTAL DYNAMIC HEADLOSS (TDH)

TDH is the sum of the static Head Loss and the Friction Head Loss.

Static Head loss = Highest elevation in the force main minus the discharge elevation

$$\text{Static Head Loss} = \text{Discharge Elevation minus pump elevation} = 898.33 - 875.85 = 22.48 \text{ FT}$$

Friction Head Loss for the following pumping rates 60 gpm, 80 gpm, and 160 gpm are below.

Minimum pump rate for 4-inch Sch. 40 PVC force main to obtain 2.0 fps flow rate in pipe is 80 gpm. Minimum pump rate for HDPE is 75 gpm to meet peak in flow rate.

See Exhibit B for summary of flow rates and friction loss in Feet / 1,000 Ft of pipe.

Friction Loss 4-inch Sch. 40 FM

$$60 \text{ gpm: } 3.3 \text{ ft} / 1,000 \text{ ft} \times 476 \text{ ft} = 1.57 \text{ ft}$$

$$80 \text{ gpm: } 5.6 \text{ ft} / 1,000 \text{ ft} \times 476 = 2.67 \text{ ft}$$

$$160 \text{ gpm: } 20.2 \text{ ft} / 1,000 \text{ ft} \times 476 = 9.62 \text{ ft}$$

TDH for each flow rate (PVC):

$$60 \text{ gpm: } 22.48 + 1.57 = 24.05 \text{ FT}$$

$$80 \text{ gpm: } 22.48 + 2.67 = 25.15 \text{ FT}$$

$$160 \text{ gpm: } 22.48 + 9.62 = 32.10 \text{ FT}$$

Friction Loss 4-inch HDPE (DR 11) FM

$$60 \text{ gpm: } 5.4 \text{ ft} / 1,000 \text{ ft} \times 476 = 2.57 \text{ ft}$$

$$80 \text{ gpm: } 9.2 \text{ ft} / 1,000 \text{ ft} \times 476 = 4.37 \text{ ft}$$

$$160 \text{ gpm: } 33.3 \text{ ft} / 1,000 \text{ ft} \times 476 = 15.85 \text{ ft}$$

TDH for each Flow (HDPE):

$$60 \text{ gpm: } 22.48 + 2.57 = 25.05 \text{ ft}$$

$$80 \text{ gpm: } 22.48 + 4.37 = 26.85 \text{ ft}$$

$$160 \text{ gpm: } 22.48 + 15.85 = 38.33 \text{ ft.}$$

1
C505

LIFT STATION DETAILS

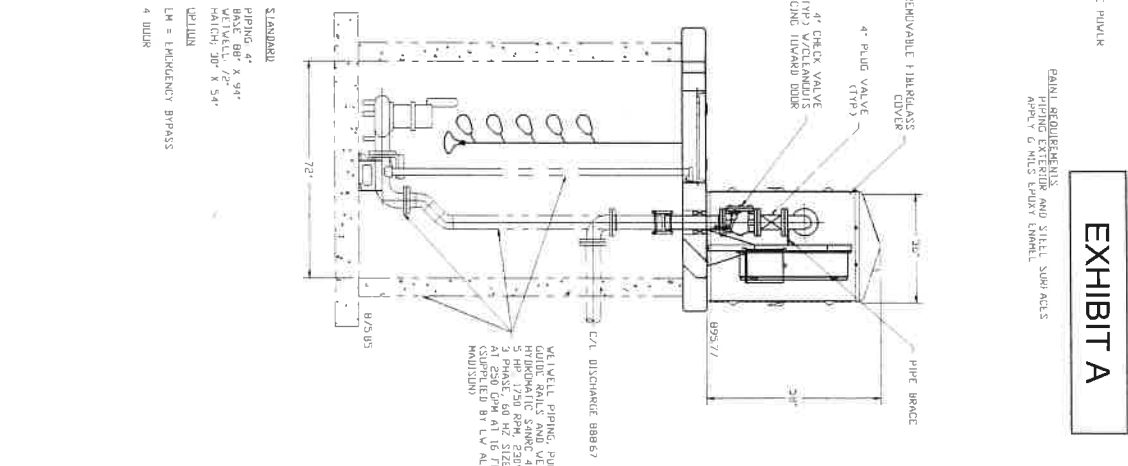
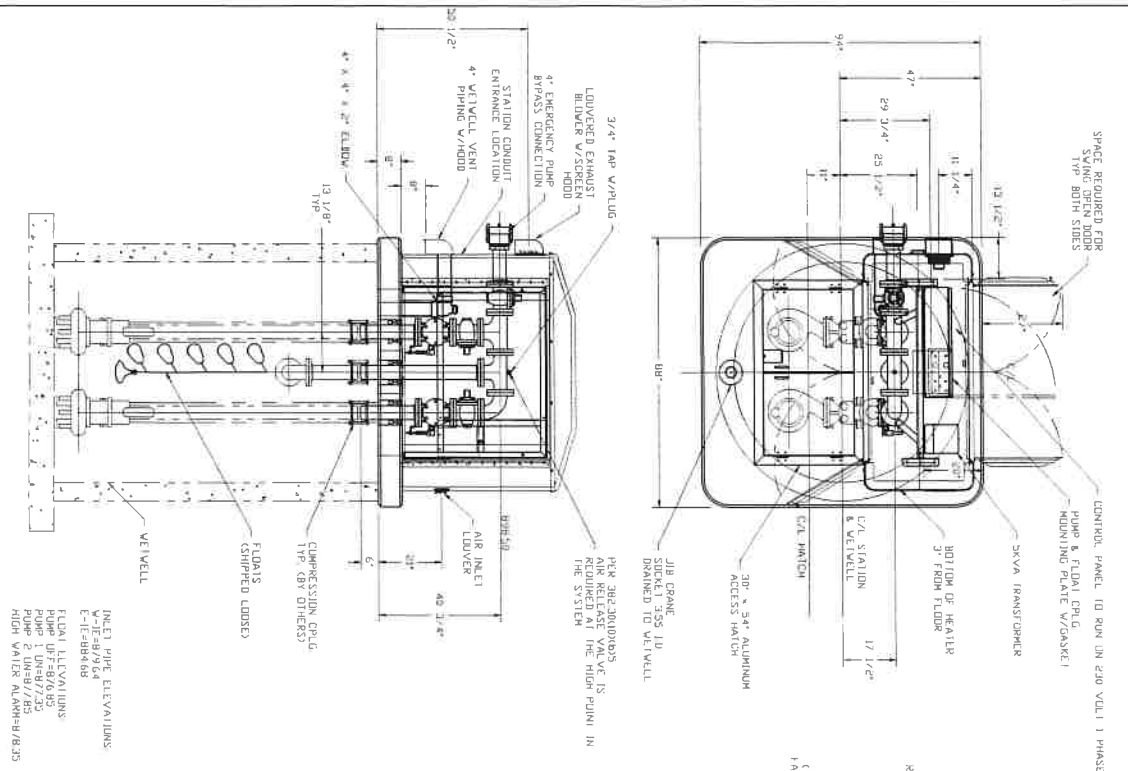


EXHIBIT A

PAINT REQUIREMENTS AND STILL SHIELDS APPLY TO ALL EXPOSED LUMEN

WELLS PUMP, PUMPS, GATE VALVES AND WELLS. PIPING SHALL BE 3\"/>

STANDARD
 PIPING 4\"/>

WELLS
 INLET PIPE ELEVATIONS
 V-1E-88/94
 V-1E-88/88
 FLOOD ELEVATIONS
 PIPE 1 UN88/92
 PIPE 2 UN88/85
 HIGH WATER ALARM-8/8.35

C505

**OAK GROVE DEVELOPMENT, PHASE 2
 SITE DETAILS**
 LOT #3 (CSM# 6645) DIVISION STREET
 HORICON, WISCONSIN

PROFESSIONAL ENGINEERING LLC
 675 N. Mendota Brook Ln
 Watonsville, WI 54602
 Phone (608) 645-4278
 WWW.PE-WI.COM

ISSUANCE/REVISION	DATE
SITE PLAN REVIEW	1-3-05

EXHIBIT B

Oak Grove - Phase 2 - Horicon, WI

12/23/2019

Input data for flow for Events										
Event	Flow (cfs)	Flow (gpm)	Pipe Size (in)	Material Pipe	ID (in)	Area (ft)	Velocity (fps)	V ² /2g	C	H/L per 1000 ft (ft)
One Pump	0.13	60	4	C900-DR 25	4.37	0.10	1.28	0.03	120	2.2
			4	Sch 40	4.02	0.09	1.52	0.04	120	3.3
			4	HDPE (DR 11)	3.63	0.07	1.86	0.05	120	5.4
			5	HDPE (DR 11)	4.49	0.11	1.22	0.02	120	1.9
			4	C900 - DR 25	4.37	0.10	1.71	0.05	120	3.7
Two pumps	0.18	80	4	Sch 40	4.02	0.09	2.02	0.06	120	5.6
			4	HDPE (DR 11)	3.63	0.07	2.48	0.10	120	9.2
			5	HDPE (DR 11)	4.49	0.11	1.62	0.04	120	3.3
	0.36	160	4	C900 - DR 25	4.37	0.10	3.42	0.18	120	13.5
			4	Sch 40	4.02	0.09	4.04	0.25	120	20.2
		4	HDPE (DR 11)	3.63	0.07	4.96	0.38	120	33.3	
		5	HDPE (DR 11)	4.49	0.11	3.24	0.16	120	11.8	



City of Horicon Building Inspection & Zoning Administration Services
Invoice - November 1 - November 30, 2019

Date	Permit Number	Owner	Address	Project	Value	Contractor	Fees	
							Building	Zoning
11/4	19-110-11B	Mike Tennesen	604 N Clark St	Rebuild Fire damaged garage, new roof & siding on whole house	\$40,000.00	Smith builders	\$162.30	
11/4	19-111-11B	Mike Schuett	602 N Hubbard St	Replace Windows		Window World	\$30.00	
11/4	19-112-11B	Wayne Conley	207 Valley St	Siding, Windows, (2) Deck Replacements	\$35,000.00	Clear Choice Construction	\$210.00	\$50.00
11/4	19-113-11BEH	Rich Arndorfer	102 N Cedar St	Remodel Whole House	\$40,000.00	Bierman Carpentry	\$350.00	\$50.00
		"	"	Electrical		Encore Electric	\$70.00	
		"	"	HVAC		K&T Heating & Cooling	\$70.00	
11/4	19-114-11E	Scott Fuecht	803 Columbia St	Install (2) 100 amp Meters	\$1,000.00	Sparky Electrical	\$70.00	
11/11	19-115-11H	Preferred Dental Partners	501 East Lake St	Furnace Replacement	\$4,055.30	Air Care	\$35.00	
11/13	19-116-11B	Keith & Pam Bunkoske	324 Robin Rd	8x12 Acc Structure	\$2,500.00	Perry Mast	\$75.00	\$25.00
11/21	19-117-11H	Horicon City Hall	404 E Lake St	Replace Roof Mounted HVAC	\$11,384.00	Sure Fire	\$95.00	

Total Permit Fees \$1,167.30
Less 15% Retainage \$175.10
Subtotal \$992.21

Total Zoning Fees \$125.00
Less 20% Retainage \$25.00
Subtotal \$100.00

Miscellaneous Expenses

Property Maintenance 11/18 Property Maintenance 2.00 hrs @ \$40/hr 221 S Hubbard St \$80.00

Total Amount This Invoice \$1,172.21