# Appendix C: Wetland Delineation Map



- UPLAND SAMPLE LOCATION
- WETLAND SAMPLE LOCATION
- CULVERT

UPLAND DRAINAGE SWALE CENTERLINE







1. BASE MAP IMAGERY FROM MILWAUKEE COUNTY LAND INFORMATION OFFICE, 2015.



1:720

WETLAND DELINEATION
KRONES PROPERTY
FRANKLIN, MILWAUKEE COUNTY, WISCONSIN

## **WETLAND DELINEATION MAP**

DATE	CEDTEMBED 2017	1
APPROVED BY:	L GIESE	
CHECKED BY:	L GIESE	
DRAWN BY:	R SUEMNICHT	PROJ. NO

**EXHIBIT A** 



150 North Patrick Blvd., Suite 180 Brookfield, WI 53045 Phone: 262.879.1212 www.trcsolutions.com

283896

Appendix D: Site Photographs



Krones Inc. Property

Site Location
Franklin, Milwaukee County, Wisconsin

Project No.

Photo No.

Date

8/31/17

**Project Name** 

Description

1

Sample point SP-1 (non-wetland).

Facing south



Photo No.

Date

2

8/31/17

Description

Sample point SP-2 (non-wetland).

Facing south





Project Name Krones Inc. Property Site Location
Franklin, Milwaukee County, Wisconsin

Project No. 283896-0000-0000

Photo No.

3

Date

8/31/17

Description

Sample point SP-3 (non-wetland).

Facing north



Photo No.

Date

4

8/31/17

Description

Northern portion of the Study Area.

Facing east from near the northwest corner





Krones Inc. Property

Site Location
Franklin, Milwaukee County, Wisconsin

Project No. 283896-0000-0000

Photo No.

Date

5

8/31/17

**Project Name** 

Description

Sample point SP-4 (wetland).

Facing west



Photo No.

Date

6

8/31/17

Description

Sample point SP-5 (non-

wetland)

Facing northwest





Project Name
Krones Inc. Property
Franklin, Milwaukee County, Wisconsin
Project No.
283896-0000-0000

Photo No.
7 8/31/17

Description
Sample point SP-6 (nonwetland).
Facing north

Photo No.

8 8/31/17

Date

Description

Overview of field.

Facing northeast from southwest portion of the Study Area





Project Name Krones Inc. Property

Date

Site Location
Franklin, Milwaukee County, Wisconsin

Project No. 283896-0000-0000

Photo No.

9

8/31/17

Description

View of area along the eastern boundary.

Facing south



Photo No.

Date

10

8/31/17

Description

View of the ditch along the western property boundary.

Facing south



# Appendix E: Wetland Determination Data Forms

### WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site: Krones - Parcel 8999990062	City/County:	Franklin/Mil	waukee	Sampling Da	ate: 31-Aug-17
Applicant/Owner: Krones, Inc.		State:	WI	Sampling Point:	SP-1 Up
Investigator(s): Laura Giese				5N R 21E	
andform (hillolone torrose etc.). Declara			oncave, convex, n		
Slope: 5.0% 2.9 ° Lat.:					
Soil Map Unit Name: Blount silt loam (BIA), mesic, Aeri				lassification: None	
Are climatic/hydrologic conditions on the site typical for this ti		(If no. ex	plain in Remarks.)		
are climatic/hydrologic conditions on the site typical for this that $\square$ , Soil $\square$ , or Hydrology	significantly disturbed?	•	ormal Circumstance		yes ● No ○
				es present.	1.0
Are Vegetation	naturally problematic?  showing sampling poi			inswers in Remarks.) s, important feat	ures, etc.
Hydrophytic Vegetation Present? Yes No •				-	_
Hydric Soil Present? Yes No (9)	ls th	ne Sampled A			
Wetland Hydrology Present?	with	nin a Wetland	I? Yes ○ N	Vo ●	
Remarks:	<u> </u>				
Sample point taken on backslope terrace.					
VEGETATION - Use scientific names of	f plants. Dominant				
Coc scientific numes of	Species?	· ——	Dimamoo To	'lyabaat,	
_ <u>Tree Stratum_(Plot size: 30' r)</u>	Absolute Rel.Strat. % Cover Cover	. Indicator Status	Dominance Te		
1			Number of Dom That are OBL, F.		2(A)
2.					
3	0 0.0%		Total Number of Species Across A		7 (B)
4	00.0%		·		
5				minant Species , FACW, or FAC:	28.6% (A/B)
(OL	= Total Cov	ver	That Aic Obe,	, FACVV, OF FAC.	
Sapling/Shrub Stratum (Plot size: 15' r )				dex worksheet:	
1	0				iply by:
2	0 0.0%		OBL species		
	0 0000		FACW species FAC species		
5.	0 0.0%		FACU species		
-	0 = Total Cov		UPL species	10 x 5	
Herb Stratum (Plot size: 5' r )	45 1/ 70/	54011	Column Total		(-)
1_Solidago canadensis 2_Cornus racemosa					
Cornus racemosa     Symphyotrichum novae-angliae			Prevalence	te Index = B/A =	3.722
4. Symphyotrichum pilosum	10 11.1%			egetation Indicators	
5. Daucus carota	10 🗹 11.1%		l ·	est for Hydrophytic	Vegetation
6. Bromus inermis	10 🗹 11.1%			ince Test is > 50%	
7. Monarda fistulosa	10 🗹 11.1%	FACU		nce Index is ≤3.0 <sup>1</sup>	
8. Erigeron annuus		FACU	4 - Morpho data in Ren	ological Adaptations marks or on a separa	<sup>1</sup> (Provide supporting Ite sheet)
9. Rhamnus cathartica		FAC		ic Hydrophytic Veget	
10. Symphyotrichum ericoides		FACU			land hydrology must
_Woody Vine Stratu (Plot size: 30' r )	90 = Total Cov	ver		nless disturbed or pro	
1,	0 0.0%				
2	0 0.0%		Hydrophytic Vegetation		
	0 = Total Cov	ver	Present?	Yes ○ No •	
Remarks: (Include photo numbers here or on a sepa A hydrophytic plant community was not present.	arate sheet.)				

SOIL Sampling Point: SP-1 Up

Profile Description: (De	Matrix			lox Feat	ures		_		
	(moist)	%	Color (moist)	%	Type 1	Loc2	Texture		Remarks
0-9 10YR	3/2	100					Silty Clay Loam		
9-12 10YR	4/2	98	10YR 4/6	2	С	M	Clay		
						-	-		
								_	
Type: C=Concentration, I	D=Depletion	, RM=Reduc	ced Matrix, CS=Cover	ed or Coa	ted Sand Gr	ains.	<sup>2</sup> Location: PL=Pore Lin	ng. M=Matrix	
Hydric Soil Indicators:							Indicators for Pro	olematic Hy	dric Soils <sup>3</sup> ·
Histosol (A1)			Sandy Gleyed	Matrix (S	64)				unic 30113 .
Histic Epipedon (A2)			Sandy Redox	(S5)			Coast Prairie Re		
Black Histic (A3)			Stripped Matr	ix (S6)			☐ Dark Surface (S	•	
Hydrogen Sulfide (A4			Loamy Mucky	Mineral (	(F1)		☐ Iron Manganese		
Stratified Layers (A5)			Loamy Gleyed	l Matrix (I	F2)		☐ Very Shallow Da		-12)
2 cm Muck (A10) Depleted Below Dark	Curfoss /A4	1\	Depleted Mate				Other (Explain in	кетаrкs)	
_ ·	•	1)	Redox Dark S	urface (F	6)				
☐ Thick Dark Surface (#☐ Sandy Muck Mineral (	•		Depleted Darl	Surface	(F7)		<sup>3</sup> Indicators of hydr	phytic vegeta	ation and
5 cm Mucky Peat or F			Redox Depres	sions (F8	)		wetland hydrol unless disturb		
Restrictive Layer (if ob							l amoss distant	ou or propro-	141.01
	•								
,	IAILE								No 💿
Type: <u>Rocky Subst</u>							Hydric Soil Present	'Yes 🤇	NO 🖭
Type: <u>Rocky Subst</u> Depth (inches): 12							Hydric Soil Present	Yes C	NO S
Type: Rocky Subst Depth (inches): 12 Remarks:							<u> </u>	Yes C	NO S
Type: <u>Rocky Subst</u> Depth (inches): 12	c soils were	e not prese	ent. The second so	il horizo	n was very	dry, bloc	<u> </u>	Yes C	No 🤝
Type: Rocky Subst Depth (inches): 12 Remarks:	c soils were	e not prese	ent. The second so	il horizo	n was very	dry, bloc	<u> </u>	Yes C	V NO ♥
Type: Rocky Subst Depth (inches): 12 Remarks:	c soils were	e not prese	ent. The second so	il horizo	n was very	dry, bloc	<u> </u>	Yes C	NO S
Type: _Rockv_Subst Depth (inches): _12 Remarks: ield indicators of hydri	c soils were	e not prese	ent. The second so	il horizo	n was very	dry, bloc	<u> </u>	Yes C	NO S
Type: _Rockv_Subst Depth (inches): _12 Remarks: ield indicators of hydri	c soils were	e not prese	ent. The second so	il horizo	n was very	dry, bloc	<u> </u>	Yes C	NO S
Type: _Rockv_Subst Depth (inches):_12 Remarks: ield indicators of hydricators		e not prese	ent. The second so	il horizo	n was very	dry, bloc	<u> </u>	Yes C	NO S
Type: _Rockv_Subst Depth (inches):_12 Remarks: ield indicators of hydrical HYDROLOGY Wetland Hydrology Inc	licators:			il horizo	n was very	dry, bloc	ky and crumbly.		num of two required
Type: _Rockv_Subst Depth (inches):_12 Remarks: ield indicators of hydrical HYDROLOGY Wetland Hydrology Inc	licators:					dry, bloc	ky and crumbly.  Secondary Inc.		num of two required_
Type: Rocky Subst Depth (inches): 12  Remarks: ield indicators of hydric  HYDROLOGY  Wetland Hydrology Inc.  Primary Indicators (minim	licators: num of one is		check all that apply)	ed Leave		dry, bloc	ky and crumbly.  Secondary Inc.	icators (minin	num of two required
Type: _Rockv_Subst_ Depth (inches): _12  Remarks:  ield indicators of hydricators of hydricat	licators: num of one is		check all that apply)	ed Leave na (B13)	s (B9)	dry, bloc	ky and crumbly.  Secondary Inc.  Surface Sc.  Drainage	icators (minin il Cracks (B6)	num of two required
Type: Rocky Subst Depth (inches): 12  Remarks: ield indicators of hydric  IYDROLOGY  Wetland Hydrology Inc Primary Indicators (minim Surface Water (A1)  High Water Table (A2)	licators: num of one is		check all that apply)  Water-Stain Aquatic Fau	ed Leave na (B13) c Plants (	s (B9) B14)	dry, bloc	ky and crumbly.  Secondary Inc.  Surface Sc.  Drainage I	icators (minin il Cracks (B6) latterns (B10)	num of two required
Type: Rocky Subst Depth (inches): 12  Remarks: ield indicators of hydric  IYDROLOGY  Wetland Hydrology Inc Primary Indicators (minim Surface Water (A1) High Water Table (A2) Saturation (A3)	dicators: num of one is		check all that apply)  Water-Stain Aquatic Fau True Aquati	ed Leave na (B13) c Plants ( ulfide Od	s (B9) B14)		ky and crumbly.  Secondary Inc.  Surface Sc.  Drainage I  Dry Seaso  Crayfish B	icators (minin il Cracks (B6) atterns (B10) n Water Table urrows (C8)	num of two required
Type: Rocky Subst Depth (inches): 12  Remarks: ield indicators of hydric  IYDROLOGY  Wetland Hydrology Inc Primary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	dicators: num of one is		check all that apply)  Water-Stain Aquatic Fau True Aquati	ed Leave na (B13) c Plants ( ulfide Od	s (B9) B14) or (C1) es on Living I		Secondary Inc Surface Sc Drainage Dry Seaso Crayfish B Saturation	icators (minin il Cracks (B6) atterns (B10) n Water Table urrows (C8)	num of two required e (C2) rial Imagery (C9)
Type: Rocky Subst Depth (inches): 12  Remarks: ield indicators of hydric  IYDROLOGY  Wetland Hydrology Inc Primary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B	dicators: num of one is 2)		check all that apply)  Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh	ed Leave na (B13) c Plants ( ulfide Od- izosphere Reduced	s (B9) B14) or (C1) es on Living I	Roots (C3)	Secondary Inc.   Surface Sc.   Drainage     Dry Seaso     Crayfish B     Saturation     Stunted or	icators (minin il Cracks (B6) atterns (B10) n Water Table urrows (C8) Visible on Ae	num of two required e (C2) rial Imagery (C9) nts (D1)
Type: _Rockv_Subst Depth (inches): _12	dicators: num of one is 2)		check all that apply)  Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh	ed Leave na (B13) c Plants ( ulfide Od izosphere Reduced Reductio	s (B9) B14) or (C1) es on Living I Iron (C4) n in Tilled Sc	Roots (C3)	Secondary Inc Surface So Drainage Dry Seaso Crayfish B Saturation Stunted or	icators (minin il Cracks (B6) latterns (B10) n Water Table urrows (C8) Visible on Ae Stressed Plai	num of two required e (C2) rial Imagery (C9) nts (D1)
Type: _Rockv_Subst     Depth (inches): _12  Remarks:  field indicators of hydric  HYDROLOGY  Wetland Hydrology Inc     Surface Water (A1)     High Water Table (A2     Saturation (A3)     Water Marks (B1)     Sediment Deposits (B3)     Algal Mat or Crust (B-	dicators: num of one is 2) 32)	s required; c	check all that apply)  Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron	ed Leave na (B13) c Plants ( ulfide Od- izosphere Reduced Reductio surface (C	s (B9) B14) or (C1) es on Living I Iron (C4) n in Tilled Sc	Roots (C3)	Secondary Inc Surface So Drainage Dry Seaso Crayfish B Saturation Stunted or	icators (minin il Cracks (B6) l'atterns (B10) n Water Table urrows (C8) Visible on Ae Stressed Plar c Position (D:	num of two required e (C2) rial Imagery (C9) nts (D1)
Type: _Rockv_Subst     Depth (inches): _12  Remarks:  Tield indicators of hydric  HYDROLOGY  Wetland Hydrology Inc     Primary Indicators (minim	dicators: num of one is 2) 32) 4) Aerial Image	s required; c	check all that apply)  Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron	ed Leave na (B13) c Plants ( ulfide Od- izosphere Reduced Reductio Surface (C ell Data (	s (B9) B14) or (C1) es on Living l Iron (C4) n in Tilled Se C7)	Roots (C3)	Secondary Inc Surface So Drainage Dry Seaso Crayfish B Saturation Stunted or	icators (minin il Cracks (B6) l'atterns (B10) n Water Table urrows (C8) Visible on Ae Stressed Plar c Position (D:	num of two required e (C2) rial Imagery (C9) nts (D1)
Type: _Rockv_Subst     Depth (inches): _12  Remarks:  Tield indicators of hydric  HYDROLOGY  Wetland Hydrology Inc  Primary Indicators (minim  Surface Water (A1)  High Water Table (A2  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B1)  Drift Deposits (B3)  Algal Mat or Crust (B2  Iron Deposits (B5)  Inundation Visible on	dicators: num of one is 2) 32) 4) Aerial Image	s required; c	check all that apply)  Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S	ed Leave na (B13) c Plants ( ulfide Od- izosphere Reduced Reductio Surface (C ell Data (	s (B9) B14) or (C1) es on Living l Iron (C4) n in Tilled Se C7)	Roots (C3)	Secondary Inc Surface So Drainage Dry Seaso Crayfish B Saturation Stunted or	icators (minin il Cracks (B6) l'atterns (B10) n Water Table urrows (C8) Visible on Ae Stressed Plar c Position (D:	num of two required e (C2) rial Imagery (C9) nts (D1)
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Type: _Rockv_Subst     Depth (inches): _12  Remarks:  Tield indicators of hydric  HYDROLOGY  Wetland Hydrology Inc  Primary Indicators (minim  Surface Water (A1)  High Water Table (A2  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B1)  Drift Deposits (B3)  Algal Mat or Crust (B2  Iron Deposits (B5)  Inundation Visible on	dicators: num of one is 2) 32) 4) Aerial Image concave Surfa	ery (B7) ace (B8)	check all that apply)  Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Expl	ed Leave na (B13) c Plants ( ulfide Od- izosphere Reduced Reductio Gurface (C 'ell Data ( ain in Rer	s (B9) B14) or (C1) es on Living l Iron (C4) n in Tilled Se C7)	Roots (C3)	Secondary Inc Surface So Drainage Dry Seaso Crayfish B Saturation Stunted or	icators (minin il Cracks (B6) l'atterns (B10) n Water Table urrows (C8) Visible on Ae Stressed Plar c Position (D:	num of two required e (C2) rial Imagery (C9) nts (D1)
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Type: _Rockv_Subst_ Depth (inches): _12  Remarks:  Tield indicators of hydric  HYDROLOGY  Wetland Hydrology Inc  Primary Indicators (minim  Surface Water (A1)  High Water Table (A2  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B3)  Algal Mat or Crust (B-  Iron Deposits (B5)  Inundation Visible on  Sparsely Vegetated Co  Field Observations:  Surface Water Present?  Water Table Present?  Saturation Present?	dicators: num of one is 2) 32) 4) Aerial Image concave Surfa	ery (B7) ace (B8)  No	Check all that apply)  Water-Stain  Aquatic Fau  True Aquati  Hydrogen S  Oxidized Rh  Presence of  Recent Iron  Thin Muck S  Gauge or W  Other (Expl	ed Leave na (B13) c Plants ( ulfide Od- izosphere Reduced Reductio Surface (C dell Data ( ain in Rer ches):	s (B9) B14) or (C1) es on Living l Iron (C4) n in Tilled So (7) (D9) narks)	Roots (C3)	Secondary Inc Surface So Drainage Dry Seaso Crayfish B Saturation Stunted or	icators (minin il Cracks (B6) l'atterns (B10) n Water Table urrows (C8) Visible on Ae Stressed Plan ic Position (D: al Test (D5)	num of two required e (C2) rial Imagery (C9) nts (D1) 2)
Type: Rocky Subst Depth (inches): 12  Remarks: ield indicators of hydric  HYDROLOGY  Wetland Hydrology Inc Primary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B- Iron Deposits (B5) Inundation Visible on Sparsely Vegetated C  Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	dicators: num of one is 2) 32) 4) Aerial Image concave Surfa  Yes  Yes  Yes	ery (B7) ace (B8)  No  No  No  No	check all that apply)  Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Expl	ed Leave na (B13) c Plants ( ulfide Od izosphere Reduced Reductio Surface (C ell Data ( ain in Rer	s (B9) B14) or (C1) es on Living I Iron (C4) n in Tilled So (77) (D9) narks)	Roots (C3) pils (C6)	Secondary Inc Surface So Drainage I Dry Seaso Crayfish B Saturation Stunted or Geomorph FAC-Neutr	icators (minin il Cracks (B6) tatterns (B10) n Water Table urrows (C8) Visible on Ae Stressed Plai ic Position (D: al Test (D5)	num of two required e (C2) rial Imagery (C9) nts (D1) 2)
Type: _Rockv_Subst_ Depth (inches): _12  Remarks:  Tield indicators of hydricated indicators of hydricators	Aerial Imageoncave Surfa	ery (B7) ace (B8)  No  No  No  No	check all that apply)  Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Expl	ed Leave na (B13) c Plants ( ulfide Od izosphere Reduced Reductio Surface (C ell Data ( ain in Rer	s (B9) B14) or (C1) es on Living I Iron (C4) n in Tilled So (77) (D9) narks)	Roots (C3) pils (C6)	Secondary Inc Surface So Drainage I Dry Seaso Crayfish B Saturation Stunted or Geomorph FAC-Neutr	icators (minin il Cracks (B6) tatterns (B10) n Water Table urrows (C8) Visible on Ae Stressed Plai ic Position (D: al Test (D5)	num of two required e (C2) rial Imagery (C9) nts (D1) 2)
Type: _Rockv_Subst_ Depth (inches): _12  Remarks:  ield indicators of hydricated indicators of hydricators of hyd	Aerial Imageoncave Surfa	ery (B7) ace (B8)  No  No  No  No	check all that apply)  Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Expl	ed Leave na (B13) c Plants ( ulfide Od izosphere Reduced Reductio Surface (C ell Data ( ain in Rer	s (B9) B14) or (C1) es on Living I Iron (C4) n in Tilled So (77) (D9) narks)	Roots (C3) pils (C6)	Secondary Inc Surface So Drainage I Dry Seaso Crayfish B Saturation Stunted or Geomorph FAC-Neutr	icators (minin il Cracks (B6) tatterns (B10) n Water Table urrows (C8) Visible on Ae Stressed Plai ic Position (D: al Test (D5)	num of two required e (C2) rial Imagery (C9) nts (D1) 2)
Type: _Rockv_Subst_ Depth (inches): _12  Remarks:  ield indicators of hydricated indicators of hydricators of hydricat	dicators: num of one is 2) 32) 4) Aerial Image concave Surfa  Yes  Yes  Yes  (stream g Analysis	ery (B7) ace (B8)  No  No  augus, mor	check all that apply)  Water-Stain Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Expl.	ed Leave na (B13) c Plants ( ulfide Od- izosphere Reduced Reductio Surface (C dell Data ( ain in Rer ches): ches): photos,	s (B9) B14) or (C1) es on Living I Iron (C4) n in Tilled Si (77) (D9) narks)	Roots (C3)  pils (C6)  Wet	Secondary Inc.   Surface Sc   Drainage   Dry Seaso   Crayfish B   Saturation   Stunted or Geomorph   FAC-Neutr	icators (mininiii Cracks (B6) tatterns (B10) tatterns (B10) to Water Table surrows (C8) Visible on Ae Stressed Plai tic Position (D: tal Test (D5)	num of two required  e (C2)  rial Imagery (C9)  nts (D1)  No   No

US Army Corps of Engineers Midwest Region - Version 2.0

### WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site: Krones - Parcel 899999006	2	City/Co	ounty: Franklin/Mi	ilwaukee	Sampling Date:	31-Aug-17
Applicant/Owner: Krones, Inc.			State	: <u>WI</u> S	Sampling Point:	SP-2 Up
					5N R 21E	-
Landform (hillslope, terrace, etc.): Backs	slope		Local relief (	concave, convex, non	ne): concave	
Slope: <u>5.0%</u> <u>2.9</u> ° Lat.:			Long.:		Datum:	
Soil Map Unit Name: Blount silt loam					-16111 11	
Are climatic/hydrologic conditions on the			No (If no, e	explain in Remarks.)	110110	
Are Vegetation, Soil	, or Hydrology	significantly disturb		lormal Circumstances	" present? Yes	● No ○
Are Vegetation , Soil	, or Hydrology	_		eded, explain any ans		
SUMMARY OF FINDINGS - At	3 03	<b>3</b> .	,			s, etc.
Hydrophytic Vegetation Present?	Yes ● No ○		T			
Hydric Soil Present?	yes ○ No ●	1	Is the Sampled within a Wetlan			
Wetland Hydrology Present?	yes ○ No ●	1	Within a wetian	ar yes — INO		
Remarks:			<u>.l</u>			
Sample point taken downslope of h	nillside sandbar will	low clump and approx	ximately 2 feet higl	her in elevation tha	an a ditch.	
VECETATION Has said	-tifi- names of	la4a _				
VEGETATION - Use scien	Atmic names or	· s <sub>l</sub>	ominant pecies? ————	<del> </del>		
_Tree Stratum_(Plot size: 30' r	)	Absolute Re	el.Strat. Indicator Cover Status			
1			0.0%	Number of Domina That are OBL, FAC		2 (A)
2			0.0%			
3.			0.0%	Total Number of D Species Across All		3 (B)
4.		•	0.0%		_	
5			0.0%	Percent of domi		66.7% (A/B)
(5)		<u> </u>	Total Cover	HIMI AIE ODE, I	ACW, ULFAC.	
Sapling/Shrub Stratum (Plot size: 15'				Prevalence Inde		
1			0.0%	Total % Co		
2		0 📙	0.0%	OBL species		0
1			0.0%	FACW species FAC species	50 $x 2 = 0$ $x 3 = 0$	0
5.			0.0%	FACU species	40 x 4 =	0 160
-			Fotal Cover	UPL species	$\frac{40}{0}$ $x = 5$	0
	)	20.	22 224 FACIAL	Column Totals:		
1 Phalaris arundinacea		30	33.3% FACW			(B)
Solidago canadensis     Salix interior		20 V	22.2% FACU 22.2% FACW	Prevalence	$Index = B/A = \underline{2}$	2.889_
4. Cirsium arvense		15	16.7% FACU		etation Indicators:	
5. Nepeta cataria			5.6% FACU	I '	st for Hydrophytic Vege	etation
6.			0.0%		ce Test is > 50%	
7.		0	0.0%	3 - Prevalenc		
8.		0	0.0%	4 - Morpholog	gical Adaptations <sup>1</sup> (Pr orks or on a separate sl	ovide supporting
9			0.0%	_	Hydrophytic Vegetation	
10			0.0%		nydric soil and wetland	· •
Woody Vine Stratu (Plot size: 30' r	. )	<u>90</u> = T	Total Cover		ss disturbed or problei	
1		_ 0	0.0%			
2.			0.0%	Hydrophytic Vegetation		
		0 = T	Total Cover	Present?	Yes ● No ○	
Remarks: (Include photo numbers	here or on a separ	ate sheet.)				
A hydrophytic plant community wa	s present due to th	ne abundance of two	opportunistic speci	es (Phalaris arundi	nacea and Salix interio	r) that commonly
extend into non-wetland areas.						

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

SOIL Sampling Point: SP-2 Up

Profile Descr	ription: (Desc	ribe to t	the depth n	eeded to d	locumen	t the ind	icator or c	onfirm the	e absence of indicators.)	
Depth		latrix				ox Featu				
(inches)	Color (m	oist)	<u>%</u>	Color (n	noist)	<u>%</u>	Type 1	Loc2	Texture	Remarks
0-4	10YR	3/2	97	10YR	4/2	2	D	M	Clay Loam	
				10YR	5/8	1	C	M		
4-16	10YR	3/1	60						Clay Loam	
	10YR	3/2	40			-		-		
1/ 20				10\/D	4//				Olavi I a a m	
16-20	10YR	3/2	98	10YR	4/6	2	C	M	Clay Loam	
1 Type: C=Con	centration, D=	Depletion	n, RM=Reduc	ed Matrix, C	CS=Covere	ed or Coa	ted Sand G	rains.	<sup>2</sup> Location: PL=Pore Lining	g. M=Matrix.
Hydric Soil I	Indicators:									ematic Hydric Soils <sup>3</sup> :
Histosol (	A1)			Sano	dy Gleyed	Matrix (S	4)			•
	pedon (A2)				dy Redox		•		Coast Prairie Redo	x (A16)
☐ Black Hist	tic (A3)				ped Matri				Dark Surface (S7)	
Hydrogen	Sulfide (A4)			'	ny Mucky	. ,	F1)		Iron Manganese M	lasses (F12)
Stratified	Layers (A5)				ny Gleyed				Very Shallow Dark	Surface (TF12)
2 cm Muc	k (A10)				leted Matr		-/		Other (Explain in F	Remarks)
☐ Depleted	Below Dark Su	rface (A1	1)		ox Dark Si		5)			
☐ Thick Dar	k Surface (A12	)			leted Dark		•		3	houting on a station and
Sandy Mu	ıck Mineral (S1)	)			ox Depres				<sup>3</sup> Indicators of hydrop wetland hydrolog	y must be present,
5 cm Muc	ky Peat or Pea	t (S3)		neac	эх Бергез	310113 (1 0)	'			or problematic.
Restrictive L	ayer (if obser	ved):								
Type: <u>N</u>	one									
Depth (inc	hes): N/A								Hydric Soil Present?	Yes O No 💿
Remarks:									I.	
No field indic	ators of budri	c soil w	oro obsorva	d						
No neia maic	ators or riyuri	C SUII W	ere observe	u.						
HYDROLO	)CV									
_	Irology Indica									
Primary Indica	ators (minimum	of one	is required; c	heck all tha	t apply)				Secondary Indic	ators (minimum of two required
Surface V	Vater (A1)			∐ Wa	ater-Stain	ed Leaves	s (B9)		Surface Soil	Cracks (B6)
High Wate	er Table (A2)			L Aq	uatic Fau	na (B13)			Drainage Pa	tterns (B10)
Saturation	n (A3)			Tru	ue Aquatio	c Plants (E	314)		Dry Season	Water Table (C2)
☐ Water Ma	ırks (B1)			□ Ну	drogen Si	ulfide Odd	or (C1)		Crayfish Bur	rows (C8)
Sediment	Deposits (B2)			Ox	idized Rh	izosphere	s on Living	Roots (C3)	Saturation V	isible on Aerial Imagery (C9)
☐ Drift Depo	osits (B3)			☐ Pre	esence of	Reduced	Iron (C4)		Stunted or S	tressed Plants (D1)
Algal Mat	or Crust (B4)			Re	cent Iron	Reduction	n in Tilled S	ioils (C6)	Geomorphic	Position (D2)
Iron Depo	osits (B5)			Th	in Muck S	urface (C	7)		▼ FAC-Neutral	Test (D5)
Inundatio	n Visible on Ae	rial Imag	jery (B7)	☐ Ga	uge or W	ell Data (l	D9)			
Sparsely '	Vegetated Cond	cave Surf	ace (B8)	Ot	her (Expla	ain in Rem	narks)			
Field Observ	ations:									
Surface Water	Present?	Yes (	O No 🖲	) [	Depth (inc	hes):		_		
Water Table P	resent?	Yes (	○ No ●	) _	Oenth (inc	hoc).				
Saturation Pre								Wetl	and Hydrology Present?	Yes O No 💿
(includes capil		Yes (	⊃ <sub>No</sub>		Depth (inc	hes):		_		
Describe Rec	orded Data (	stream (	gauge, mor	itoring we	II, aerial	photos,	previous i	nspections	s), if available:	
Aerial Image	ry, WETS Ana	alysis								
Remarks:										
Based on a V	WETS analysis	s, antec	edent hvdro	logic cond	litions we	ere withi	n a norma	al range. (	Only one secondary indic	cator of wetland hydrology was
present.		•	<b>.</b>	3				. 3.	. <b>,</b>	,
I										

US Army Corps of Engineers Midwest Region - Version 2.0

### WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site: Krones - Parcel 8999990062	City/County:	Franklin/Mil	lwaukee Sampling Date: 31-Aug-17
Applicant/Owner: Krones, Inc.		State:	WI Sampling Point: SP-3 Up
Investigator(s): Laura Giese	Section, To	ownship, Range:	: S 26 T <u>5N</u> R <u>21E</u>
Landform (hillslope, terrace, etc.): Shoulder slope		Local relief (d	concave, convex, none): concave
Slope: 2.0% 1.1 ° Lat.:	Long.	- :	Datum:
Soil Map Unit Name: Blount silt loam (BIA), mesic, Aeric			NWI classification: None
Are climatic/hydrologic conditions on the site typical for this tim		(If no, ex	xplain in Remarks.)
Are Vegetation , Soil , or Hydrology	significantly disturbed?		ormal Circumstances" present? Yes  No
Are Vegetation , Soil , or Hydrology	1		ded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map s	<b>3</b> .		
Hydrophytic Vegetation Present? Yes • No •			
Hydric Soil Present? Yes No •		the Sampled <i>I</i> thin a Wetland	
Wetland Hydrology Present? Yes No •	Wil	umi a wedanc	Yes Uno S
Remarks:	<u> </u>		
Sample point taken in narrow swale at base of old spo	il pile.		
<b>VEGETATION</b> - Use scientific names of p			
	Absolute Rel.Stra	at. Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: 30' r )	% Cover Cover		Number of Dominant Species
1			That are OBL, FACW, or FAC:1 (A)
2			Total Number of Dominant
3			Species Across All Strata:1 (B)
5			Percent of dominant Species
	0 = Total C		That Are OBL, FACW, or FAC:100.0% (A/B)
_Sapling/Shrub Stratum (Plot size: 15' r )			Prevalence Index worksheet:
1.	0 0.0%	6	Total % Cover of: Multiply by:
2		6	OBL species 0 x 1 = 0
3	0 0.0%	6	FACW species <u>80</u> x 2 = <u>160</u>
4			FAC species 10 x 3 = 30
5	0 0.0%		FACU species x 4 =40
<u>Herb Stratum</u> (Plot size: 2' x 40' )	0 = Total C	over	UPL species
1. Phalaris arundinacea	80 🗸 80.09	% FACW	Column Totals: <u>100</u> (A) <u>230</u> (B)
2. Barbarea vulgaris	1010.09	%FAC	Prevalence Index = B/A =2.300
3. Cirsium arvense	1010.09	% FACU	Hydrophytic Vegetation Indicators:
4	0		✓ 1 - Rapid Test for Hydrophytic Vegetation
5 6.	0		✓ 2 - Dominance Test is > 50%
7.	0 U 0.0% 0 0 0.0%		✓ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
8.	0 0.0%		4 - Morphological Adaptations 1 (Provide supporting
9.	0 0.0%		data in Remarks or on a separate sheet)
10.	0 0.0%	6	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
	100 = Total C	over	1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
<u> </u>	0	6	so prosent, unioss distarbed of problematic.
1,	0 0.0%		Hydrophytic
	0 = Total C		Vegetation Present? Yes No No
		O V C I	
Remarks: (Include photo numbers here or on a separa	te sheet )		
A hydrophytic plant community was present due to the	,	rundinacoa 👑	hich was also growing on ton of the old spoil pile
Manyarophytic plant community was present due to the	, abunuance of Fildidits di	i ariairiacea, W	mien was also growing on top of the old spoil plie.

SOIL Sampling Point: SP-3 Up

Profile Desc	cription: (Desc	cribe to t	the depth n	eeded to docume	nt the ind	licator or c	onfirm th	ne absence of indicators.)
Depth		/latrix			dox Feat		1 2	
(inches)	Color (m		<u>%</u> _	Color (moist)	_%_	Type 1	Loc2	Texture Remarks Clay Loam
0-7	10YR	3/2						Clay Loani
	10YR	4/3						
7-16	7.5YR	4/3	98	7.5YR 4/6	2	C	M	Clay Loam
		Depletion	n, RM=Reduc	ced Matrix, CS=Cove	ered or Coa	ited Sand Gr	rains.	<sup>2</sup> Location: PL=Pore Lining. M=Matrix.
l 🛁	Indicators:							Indicators for Problematic Hydric Soils $^{3}$ :
Histosol				Sandy Gleye		64)		Coast Prairie Redox (A16)
Black His	ipedon (A2)			Sandy Redo				Dark Surface (S7)
	n Sulfide (A4)			Stripped Ma				☐ Iron Manganese Masses (F12)
	d Layers (A5)			Loamy Muck	-			Very Shallow Dark Surface (TF12)
2 cm Mu				Loamy Gleye		F2)		Other (Explain in Remarks)
	d Below Dark Su	ırface (A1	11)	Depleted Ma		<b>(</b> )		
☐ Thick Da	irk Surface (A12	2)		Redox Dark Depleted Da	•	•		3
☐ Sandy M	luck Mineral (S1	)		Redox Depre		` '		Indicators of hydrophytic vegetation and wetland hydrology must be present,
5 cm Mu	icky Peat or Pea	it (S3)		Redox Depre	25510115 (FO	)		unless disturbed or problematic.
Restrictive I	Layer (if obse	rved):						
Type:(	Compaction/a	ravels						
Depth (in	ches):_16							Hydric Soil Present? Yes No •
Remarks:								
Field indicate	ors of hydric s	nils wer	e not prese	ent				
i icia irialcati	ors or riyunc s	ons wer	c not prese	·····				
HYDROL	OGY							
Wetland Hy	drology Indic	ators:						
_			is required: (	check all that apply)				Secondary Indicators (minimum of two required
	Water (A1)		,		ined Leave:	s (B9)		Surface Soil Cracks (B6)
	ter Table (A2)			Aquatic Fa		3 (37)		Drainage Patterns (B10)
☐ Saturation	` ,				tic Plants (	B14)		Dry Season Water Table (C2)
	arks (B1)				Sulfide Ode			Crayfish Burrows (C8)
	t Deposits (B2)					es on Living	Roots (C3)	
	posits (B3)				of Reduced	-		Stunted or Stressed Plants (D1)
Algal Ma	t or Crust (B4)			Recent Iro	n Reductio	n in Tilled S	oils (C6)	Geomorphic Position (D2)
☐ Iron Dep	oosits (B5)			☐ Thin Muck	Surface (C	(7)		FAC-Neutral Test (D5)
Inundati	on Visible on A	erial Imag	gery (B7)	Gauge or	Well Data (	(D9)		
Sparsely	Vegetated Con	cave Surf	ace (B8)	Other (Exp	olain in Ren	narks)		
Field Observ	vations:			<u> </u>				
Surface Wate	er Present?	Yes (	O No @	Depth (ii	nches):		_	
Water Table	Present?	Yes (	○ No ④	Depth (ii	nches):			
Saturation Pr	esent?	Yes (	O No €				Wet	tland Hydrology Present? Yes O No 💿
(includes cap				•			_	
			gauge, mor	nitoring well, aeria	ai photos,	previous ii	nspection	ns), if available:
·	ery, WETS An	alysis						
Remarks:								
	WETS analysi	s, antec	edent hydro	ologic conditions	were with	in a norma	Il range. C	Only one secondary indicator of wetland hydrology was
present.								

US Army Corps of Engineers Midwest Region - Version 2.0

### WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site: Krones - Parcel 8999990062		Cit	y/County:	Franklin/Milv	waukee	Saı	mpling Date:	31-Aug-17
Applicant/Owner: Krones, Inc.				State:	WI	Sampling Po	int:	SP-4 Wet
Investigator(s): Laura Giese		<u>§</u>	Section, Tow	vnship, Range:	s 26 T	5N I	R 21E	
Landform (hillslope, terrace, etc.): Terrace				Local relief (c	concave, convex, n	none): flat		_
Slope: 0.0% 0.0 ° Lat.:							Datum:	
						classification:		
Soil Map Unit Name: Blount silt loam (Bl			• No (	(If no ex	cplain in Remarks.		ivone	
Are climatic/hydrologic conditions on the site							Yes <sup>(</sup>	● No ○
		gnificantly dist			ormal Circumstanc	·		● NO ○
-		aturally proble		`	ded, explain any a		,	
SUMMARY OF FINDINGS - Attac		/ing samp	oling poi	nt location	ns, transects	importai	nt feature	:s, etc.
, , ,	es • No O		lo th	ac Campled A	l ma a			
	es   No			ne Sampled A nin a Wetland		No O		
Wetland Hydrology Present? Ye	es   No							
Remarks:								
Sample point taken in area with micro-	-topography. This are	ea appears	to receive	runoff from t	the adjacent par	rking lot.		
VECETATION Lise scientif	fi- margas of plan	1_						
<b>VEGETATION</b> - Use scientif	IC hames or plant	ts.	Dominant Species?					
_Tree Stratum_(Plot size: 30' r	١	Absolute % Cover	Rel.Strat.	. Indicator Status	Dominance Te	st workshee	t:	
	_ /	% Cover	Cover		Number of Dom That are OBL, F			2 (A)
1		0	0.0%		Inal are ode, r	ACW, OI FAC.	_	(A)
3			0.0%		Total Number o			2 (P)
4.			0.0%		Species Across	Ali Strata:	_	(B)
5		0	0.0%		Percent of do	minant Speci		
0		0	= Total Cov		That Are OBL,			00.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15' r	)				Prevalence Inc	der workshe		
1.		0	0.0%			Cover of:	Multiply	hv.
2.		_	0.0%		OBL species			0
3.			0.0%		FACW specie		-	160
4.		0	0.0%		FAC species		_	90
5.		0	0.0%		FACU species			0
Herb Stratum (Plot size: 5' r	1	0	= Total Cov	ver	UPL species		_	
	_ /		72.7%	EAC\A/	Column Tota		(A)	(B)
1 Phalaris arundinacea			✓ 72.7% ✓ 27.3%				_	
		<u>30</u>	0.0%		Prevalenc	ce Index = B	/A =	2.273
		0	0.0%		Hydrophytic V	egetation In	dicators:	
5		0	0.0%			Test for Hydro		etation
6.		0	0.0%		2 - Domina	ance Test is >	> 50%	
7.		0	0.0%		✓ 3 - Prevale	nce Index is	≤3.0 <sup>1</sup>	
8.		0	0.0%		4 - Morpho	ological Adap	tations 1 (Pr	rovide supporting
9.		0	0.0%		l —	marks or on a	-	
10.		0	0.0%			ic Hydrophyt	ic Vegetation	n <sup>1</sup> (Explain)
		110	= Total Cov					hydrology must
Woody Vine Stratu (Plot size: 30' r	)				be present, ur	ıless disturbe	ed or problei	matic.
1,		_0	0.0%		Hydrophytic			
2			0.0%		Vegetation	Yes ●		
		0	= Total Cov	ver	Present?	Yes 🖲	No $\bigcirc$	
Remarks: (Include photo numbers here	e or on a separate sh	ieet.)						
A hydrophytic plant community was pr	resent.							

SOIL Sampling Point: SP-4 Wet

			е серин			ox Featu			e absence of indicato	•
Depth — (inches)	Color (m	latrix oist)	%	Color (n		<u>%</u>	_Type <sup>1</sup>	Loc2	- Texture	Remarks
0-10	10YR	4/2	60	7.5YR	4/6	5	C	_ <u></u>	Clay Loam	Horizon was moist
0-10	10YR	3/2	35	7.511	4/0			IVI	Oldy Eddin	
— 10-12	101R 10YR	3/1	70 –	7.5YR	4/6	10		M	Sandy Clay Loam	
	101R 10YR	3/3	20	7.51K	4/0			. IVI	- Salidy Clay Loalii	
12.20				2 FV	/ /0				Condu Clau	fine sand
12-20	10YR	4/4	80	2.5Y	6/8	10	C	M	Sandy Clay	
				2.5Y	6/1	10	D	M		
								-		
									21	
Type: C=Concer Hydric Soil Inc		Depletion,	RIVI=Reduc	ed Matrix, (	CS=Covere	d or Coat	ed Sand Gr	ains.	<sup>2</sup> Location: PL=Pore	~
Histosol (A1)				☐ San	dy Gleyed	Matriv (SA	)		Indicators for P	Problematic Hydric Soils 3:
Histic Epiped	•				dy Redox (		•)		Coast Prairie	Redox (A16)
Black Histic									☐ Dark Surface	(\$7)
Hydrogen Su					ped Matrix				☐ Iron Mangane	ese Masses (F12)
Stratified La				_	ny Mucky I				_	Dark Surface (TF12)
2 cm Muck (	•			_	ny Gleyed		2)		Other (Explain	
_		-F (A11	`	<b>✓</b> Dep	leted Matri	ix (F3)			U Other (Explain	i in Remarks)
	elow Dark Su		)	Red	ox Dark Su	ırface (F6)	)			
_	Surface (A12	•		☐ Dep	leted Dark	Surface (	F7)		3 Indicators of hy	drophytic vegetation and
Sandy Muck				Red	ox Depress	sions (F8)			wetland hyd	rology must be present,
estrictive Lay	Peat or Pea								uniess disti	urbed or problematic.
Type: <u>Non</u>	•	vea):								
									Hydric Soil Prese	nt? Yes • No O
Depth (inche	:3). <u>IV/A</u>									
IYDROLOG	ЭΥ									
Vetland Hydro										
Primary Indicato	ors (minimum	n of one is	required; c	heck all tha	t apply)				Secondary	Indicators (minimum of two required
Surface Wat	ter (A1)				ater-Staine	ed Leaves	(B9)		Surface	Soil Cracks (B6)
High Water	Table (A2)			☐ Ac	uatic Faur	na (B13)			Drainag	e Patterns (B10)
Saturation (					ue Aquatic		14)			ison Water Table (C2)
Water Marks					drogen Su					Burrows (C8)
Sediment De					-					
	-			0		zachbarac	on Living	Doote (C2)		on Vicible on Aerial Imagery (CO)
D.: 64 D 14								Roots (C3)		ion Visible on Aerial Imagery (C9)
Drift Deposit				Pr	esence of I	Reduced I	ron (C4)		Stunted	or Stressed Plants (D1)
Algal Mat or	r Crust (B4)			☐ Pr	esence of lecent Iron	Reduced I Reduction	ron (C4) in Tilled S		Stunted Geomor	or Stressed Plants (D1) rphic Position (D2)
_	r Crust (B4)			☐ Pr	esence of I	Reduced I Reduction	ron (C4) in Tilled S		Stunted Geomor	or Stressed Plants (D1)
✓ Algal Mat or  Iron Deposit	r Crust (B4)	rial Image	ry (B7)	☐ Pro☐ Re☐ Th	esence of lecent Iron	Reduced I Reduction urface (C7	ron (C4) in Tilled S		Stunted Geomor	or Stressed Plants (D1) rphic Position (D2)
Algal Mat or  Iron Deposit  Inundation \	ts (B5)	-	•	☐ Pri☐ Re	esence of lecent Iron lain Muck Su	Reduced I Reduction urface (C7 ell Data (C	ron (C4) in Tilled S ()		Stunted Geomor	or Stressed Plants (D1) rphic Position (D2)
Algal Mat or Iron Deposit Inundation \ Sparsely Veg	r Crust (B4) ts (B5) Visible on Ae getated Cond	-	•	☐ Pri☐ Re	esence of lecent Iron lain Muck Stange or We	Reduced I Reduction urface (C7 ell Data (C	ron (C4) in Tilled S ()		Stunted Geomor	or Stressed Plants (D1) rphic Position (D2)
Algal Mat or Iron Deposit Inundation \ Sparsely Veg	r Crust (B4) ts (B5) Visible on Ae getated Cond	cave Surfa	ce (B8)	Pro	esence of I ecent Iron nin Muck St nuge or We her (Expla	Reduced I Reduction urface (C7 ell Data (C in in Rema	ron (C4) in Tilled S () 99) arks)	oils (C6)	Stunted Geomor	or Stressed Plants (D1) rphic Position (D2)
Algal Mat or Iron Deposit Inundation \ Sparsely Vec  Field Observati Surface Water Pr	r Crust (B4) ts (B5) Visible on Ae getated Cond ions: resent?	Yes	ce (B8)  No ●	Properties	esence of I ecent Iron nin Muck Si nuge or We her (Expla Depth (inch	Reduced I Reduction urface (C7 ell Data (C in in Remander):	ron (C4) in Tilled S () (9) arks)	oils (C6)	Stunted Geomor	or Stressed Plants (D1) rphic Position (D2)
Algal Mat or Iron Deposit Inundation N Sparsely Vec Field Observati Surface Water Pr Water Table Pres	r Crust (B4) ts (B5) Visible on Ae getated Cond clons: resent?	Yes C	) No •	Properties	esence of I ecent Iron in Muck St auge or We her (Expla Depth (inch	Reduced I Reduction urface (C7 ell Data (C in in Rem. nes):	ron (C4) in Tilled S () 99) arks)	oils (C6)	Stunted Geomor	or Stressed Plants (D1) rphic Position (D2) utral Test (D5)
Algal Mat or Iron Deposit Inundation \ Sparsely Veg  Field Observation Surface Water Presentation Presentatio	r Crust (B4) ts (B5) Visible on Ae getated Cond clions: resent? sent? ry fringe)	Yes C	) No • ) No • ) No •	Pri Re	esence of I ecent Iron in Muck St suge or We her (Expla Depth (inch Depth (inch	Reduced I Reduction urface (C7 ell Data (C in in Rem. nes): nes):	ron (C4) in Tilled S ') 99) arks)	oils (C6)	☐ Stunted☐ Geomor ☑ FAC-Ne	or Stressed Plants (D1) Thic Position (D2) The property of the
Algal Mat or Iron Deposit Inundation N Sparsely Veg Field Observati Surface Water Pr Water Table Prese Saturation Preser includes capillar Describe Record	r Crust (B4) ts (B5) Visible on Ae getated Cond clions: resent? sent? ry fringe) rded Data (s	Yes Yes Yes	) No • ) No • ) No •	Pri Re	esence of I ecent Iron in Muck St suge or We her (Expla Depth (inch Depth (inch	Reduced I Reduction urface (C7 ell Data (C in in Rem. nes): nes):	ron (C4) in Tilled S ') 99) arks)	oils (C6)	☐ Stunted☐ Geomor	or Stressed Plants (D1) Thic Position (D2) The property of the
Algal Mat or Iron Deposit Inundation N Sparsely Veg Sield Observati Burface Water Pr Vater Table Prese Baturation Present Includes capillar Describe Recornarial Imagery	r Crust (B4) ts (B5) Visible on Ae getated Cond clions: resent? sent? ry fringe) rded Data (s	Yes Yes Yes	) No • ) No • ) No •	Pri Re	esence of I ecent Iron in Muck St suge or We her (Expla Depth (inch Depth (inch	Reduced I Reduction urface (C7 ell Data (C in in Rem. nes): nes):	ron (C4) in Tilled S ') 99) arks)	oils (C6)	☐ Stunted☐ Geomor ☑ FAC-Ne	or Stressed Plants (D1) Thic Position (D2) The property of the
Algal Mat or Iron Deposit Inundation N Sparsely Veg Field Observati Surface Water Pr Water Table Prese Saturation Presei includes capillar Describe Reconverial Imagery Remarks:	r Crust (B4) ts (B5) Visible on Ae getated Cond tions: resent? sent? ry fringe) rded Data (sent)	Yes C Yes C Yes C Yes C stream ga	No No No auge, mor	Property Pro	esence of licent Iron lin Muck Stange or We her (Expla Depth (inch	Reduced I Reduction urface (C7 ell Data (C in in Rem. nes): nes): nes): photos, p	ron (C4) in Tilled S (1) 199) arks)	weti	Stunted Geomor FAC-Ne  FAC-Ne  Jand Hydrology Prese S), if available:	ent? Yes No
Algal Mat or Iron Deposit Inundation N Sparsely Veg  ield Observation urface Water Provoter Table Presence aturation Presence acquillar escribe Recorrerial Imagery emarks:	r Crust (B4) ts (B5) Visible on Ae getated Cond tions: resent? sent? ry fringe) rded Data (sent)	Yes C Yes C Yes C Yes C stream ga	No No No auge, mor	Property Pro	esence of licent Iron lin Muck Stange or We her (Expla Depth (inch	Reduced I Reduction urface (C7 ell Data (C in in Rem. nes): nes): nes): photos, p	ron (C4) in Tilled S (1) 199) arks)	weti	Stunted Geomor FAC-Ne  FAC-Ne  Jand Hydrology Prese S), if available:	or Stressed Plants (D1) Thic Position (D2) The property of the

US Army Corps of Engineers Midwest Region - Version 2.0

### WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site: Krones - Parcel 8999990062	City/County:	Franklin/Mil	waukee	Sampling Date: 31-Aug-17
Applicant/Owner: Krones, Inc.		State:	WI	Sampling Point: SP-5 Up
Investigator(s): Laura Giese	Section, To	wnship, Range:	s 26 T	5N R 21E
Landform (hillslope, terrace, etc.): Terrace		Local relief (c	concave, convex, no	one): flat
Slope: Lat.:	Long.:	:		Datum:
Soil Map Unit Name: Blount silt loam (BIA), mesic, Aeric Ep		:		assification: None
Are climatic/hydrologic conditions on the site typical for this time of		(If no ex	cplain in Remarks.)	
	significantly disturbed?			v 📵 v 🔾
			ormal Circumstance	prosent.
Are Vegetation	naturally problematic?	•	. , ,	nswers in Remarks.)
· · · · · · · · · · · · · · · · · · ·		———	iis, transects,	, important reatures, etc.
Hydrophytic Vegetation Present? Yes No  No	lst	the Sampled A	Area	
Hydric Soil Present? Yes No •		thin a Wetland		lo 💿
Wetland Hydrology Present? Yes No				
Remarks:				
Sample point taken slightly downslope of SP-4 (Wet) who	ere drainage was expec	ted to continu	ıe.	
<b>VEGETATION</b> - Use scientific names of pla	ants. Dominar	nt		
· ·	Species Absolute Rel.Stra	? nt. Indicator	Dominance Tes	st worksheet:
<u>Tree Stratum</u> (Plot size: <u>30' r</u> )	% Cover Cover		Number of Domi	
1	00.0%	, D	That are OBL, FA	
2	00.0%	, o	Total Number of	f Dominant
3	0		Species Across A	
4	00.0%		5	
5	00.0%			ninant Species FACW, or FAC:50.0% (A/B)
(Plot size: 15'r	= Total Co	over		Thow, of the
_Sapling/Shrub_Stratum (Plot size: 15' r )	2		Prevalence Ind	
1				Cover of: Multiply by:
2			OBL species FACW species	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
34.	0 0.0%		FACW species FAC species	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
5.	0 0.0%		FACU species	
	0 = Total Co		UPL species	0   x = 0
Herb Stratum (Plot size: 5' r )				
1_Bromus inermis	60 🗸 60.09		Column Total	ls: <u>100</u> (A) <u>340</u> (B)
2. Phalaris arundinacea	30 2 30.09		Prevalence	e Index = B/A = <u>3.400</u>
3. Symphyotrichum pilosum 4.			Hydrophytic Ve	egetation Indicators:
	0 0.0%		1 - Rapid Te	est for Hydrophytic Vegetation
6.	0 0.0%		2 - Dominai	nce Test is > 50%
7.	0 0.0%		3 - Prevaler	nce Index is ≤3.0 <sup>1</sup>
8.	0 0.0%		4 - Morphol	logical Adaptations 1 (Provide supporting
9.	0 0.0%	,		narks or on a separate sheet) c Hydrophytic Vegetation 1 (Explain)
10.	0 0.0%	, o		
	100 = Total Co	over		f hydric soil and wetland hydrology must less disturbed or problematic.
	0	,	De present, an	less disturbed or problematic.
1 2.	0 0.0%		Hydrophytic	
۷			Vegetation Present?	Yes ○ No •
	= Total Co	over	Present?	
Demarks: (Include photo numbers here or an a congrete	shoot)			
Remarks: (Include photo numbers here or on a separate	sneet.)			
A hydrophytic plant community was not present.				

SOIL Sampling Point: SP-5 Up

Profile Description: (Describe Depth Mat	•		ox Featu	ıres			
(inches) Color (mois		Color (moist)	%	Type 1	Loc2	Texture	Remarks
0-1 10YR 3	/2 100					Silt Loam	
1-15 10YR 4	/2 90					Clay	15% gravels
	/3 10		-				
15-20 10YR 5	/2 98	10YR 5/8	2		M	Clay	
13-20 1011 3	72 70 -	101K 3/6			IVI	Ciay	
							<u></u>
						-	
Type: C=Concentration, D=De	pletion, RM=Reduc	ed Matrix, CS=Covere	ed or Coat	ted Sand Gr	ains.	<sup>2</sup> Location: PL=Pore L	ining. M=Matrix.
Hydric Soil Indicators:						Indicators for Pr	roblematic Hydric Soils 3:
Histosol (A1)		Sandy Gleyed	Matrix (S	4)		Coast Prairie R	•
Histic Epipedon (A2)		Sandy Redox (	(S5)			Dark Surface (	• •
Black Histic (A3)		Stripped Matri	x (S6)				se Masses (F12)
Hydrogen Sulfide (A4)		Loamy Mucky	Mineral (F	F1)			Dark Surface (TF12)
Stratified Layers (A5)  2 cm Muck (A10)		Loamy Gleyed		2)		Other (Explain	. ,
Depleted Below Dark Surfa	ce (A11)	Depleted Matr				U Other (Explain	iii keiilaiks)
Thick Dark Surface (A12)	CC (ATT)	Redox Dark Su	•	•		2	
Sandy Muck Mineral (S1)		Depleted Dark				3 Indicators of hyd	drophytic vegetation and ology must be present,
5 cm Mucky Peat or Peat (	S3)	Redox Depress	sions (F8)	)			ology must be present, rbed or problematic.
estrictive Layer (if observe	ed):						
, ,	•						
Type: None							
Type: <u>None</u> Depth (inches): <u>N/A</u>						Hydric Soil Presen	nt? Yes O No 🖲
Depth (inches):_N/ARemarks:	soil were observe	ed.				Hydric Soil Presen	nt? Yes O No •
Depth (inches):_N/ARemarks:	soil were observe	ed.				Hydric Soil Presen	nt? Yes ○ No •
Depth (inches): N/A  Remarks: o field indicators of hydric s	soil were observe	ed.				Hydric Soil Presen	nt? Yes ○ No •
Depth (inches): N/A  Remarks: o field indicators of hydric s		ed.				Hydric Soil Presen	nt? Yes ○ No ●
	ors:						nt? Yes No •
Depth (inches): N/A  Remarks: o field indicators of hydric s  IYDROLOGY  Vetland Hydrology Indicators	ors:		ed Leaves	s (B9)		Secondary II	
Depth (inches): N/A  Remarks: o field indicators of hydric s  YDROLOGY  Vetland Hydrology Indicators  Primary Indicators (minimum o	ors:	check all that apply)		s (B9)		Secondary II	ndicators (minimum of two required
Depth (inches): N/A  Remarks: o field indicators of hydric s  IYDROLOGY  Vetland Hydrology Indicator  Primary Indicators (minimum o  Surface Water (A1)	ors:	check all that apply)	na (B13)			Secondary II	ndicators (minimum of two required Soil Cracks (B6)
Depth (inches): N/A  Remarks: o field indicators of hydric s  YDROLOGY  Vetland Hydrology Indicator  Primary Indicators (minimum o  Surface Water (A1)  High Water Table (A2)	ors:	check all that apply)  Water-Staine Aquatic Faur	na (B13) : Plants (E	314)		Secondary II Surface Drainage Dry Seas	ndicators (minimum of two required Soil Cracks (B6) e Patterns (B10)
Primary Indicators (Ma)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)	ors:	check all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen Su	na (B13) : Plants (E ulfide Odo zospheres	314) or (C1) s on Living I	Roots (C3)	Secondary II  Surface  Drainage  Dry Seas  Crayfish Saturatio	ndicators (minimum of two required Soil Cracks (B6) Patterns (B10) Son Water Table (C2) Burrows (C8) On Visible on Aerial Imagery (C9)
Depth (inches):_N/A  Remarks: Defield indicators of hydric series  Primary Indicators (minimum of surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)	ors:	check all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen St Oxidized Rhi Presence of	na (B13) : Plants (E ulfide Odo zospheres Reduced	314) or (C1) s on Living l Iron (C4)		Secondary II Surface Drainage Dry Seas Crayfish Saturatic Stunted	ndicators (minimum of two required Soil Cracks (B6) Patterns (B10) Son Water Table (C2) Burrows (C8) On Visible on Aerial Imagery (C9) or Stressed Plants (D1)
Depth (inches):_N/A  Remarks: Defield indicators of hydric services  PVDROLOGY  Vetland Hydrology Indicators  Primary Indicators (minimum of the minimum of	ors:	check all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen St Oxidized Rhi Presence of Recent Iron	na (B13) : Plants (E ulfide Odd zosphere: Reduced Reduction	314) or (C1) s on Living I Iron (C4) n in Tilled So		Secondary II Surface Drainage Dry Seas Crayfish Saturatio Stunted Geomory	ndicators (minimum of two required Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) ohic Position (D2)
Depth (inches):_N/A  Remarks: o field indicators of hydric so  YDROLOGY  Vetland Hydrology Indicator  Primary Indicators (minimum or  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)	ors: f one is required; o	check all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen Su Oxidized Rhi Presence of Recent Iron Thin Muck S	na (B13) c Plants (E ulfide Odd zosphere: Reduced Reductior urface (C	314) or (C1) s on Living I Iron (C4) n in Tilled So 7)		Secondary II Surface Drainage Dry Seas Crayfish Saturatio Stunted Geomory	ndicators (minimum of two required Soil Cracks (B6) Patterns (B10) Son Water Table (C2) Burrows (C8) On Visible on Aerial Imagery (C9) or Stressed Plants (D1)
Depth (inches):_N/A  Remarks: o field indicators of hydric so field indicators (minimum of surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aeria	ors:  f one is required; of	check all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen Su Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or We	na (B13) c Plants (E ulfide Odd zosphere Reduced Reductior urface (C ell Data (I	314) or (C1) s on Living I Iron (C4) n in Tilled So 7)		Secondary II Surface Drainage Dry Seas Crayfish Saturatio Stunted Geomory	ndicators (minimum of two required Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) ohic Position (D2)
Depth (inches):_N/A  Remarks: o field indicators of hydric so  YDROLOGY  Vetland Hydrology Indicator  Primary Indicators (minimum or  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)	ors:  f one is required; of	check all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen Su Oxidized Rhi Presence of Recent Iron Thin Muck S	na (B13) c Plants (E ulfide Odd zosphere Reduced Reductior urface (C ell Data (I	314) or (C1) s on Living I Iron (C4) n in Tilled So 7)		Secondary II Surface Drainage Dry Seas Crayfish Saturatio Stunted Geomory	ndicators (minimum of two required Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) ohic Position (D2)
Depth (inches):_N/A  Remarks: o field indicators of hydric s  IYDROLOGY  Wetland Hydrology Indicator  Primary Indicators (minimum o  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aeria  Sparsely Vegetated Concave	ors:  f one is required; of	check all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen Su Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or We	na (B13) c Plants (E ulfide Odd zosphere Reduced Reductior urface (C ell Data (I	314) or (C1) s on Living I Iron (C4) n in Tilled So 7)		Secondary II Surface Drainage Dry Seas Crayfish Saturatio Stunted Geomory	ndicators (minimum of two required Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) ohic Position (D2)
Depth (inches):_N/A  Remarks: o field indicators of hydric so fiel	ors:  f one is required; of  I Imagery (B7)  re Surface (B8)	check all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen St Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or We	na (B13) c Plants (Eulfide Odc zosphere: Reduced Reductior urface (C ell Data (I	or (C1) s on Living I Iron (C4) n in Tilled So 7) D9) narks)	oils (C6)	Secondary II Surface Drainage Dry Seas Crayfish Saturatio Stunted Geomory	ndicators (minimum of two required Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) ohic Position (D2)
Depth (inches):_N/A  Remarks: o field indicators of hydric s  IYDROLOGY  Wetland Hydrology Indicator  Primary Indicators (minimum o  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aeria  Sparsely Vegetated Concaverations:  Surface Water Present?	ors:  I Imagery (B7)  See Surface (B8)	check all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen Su Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or We Other (Explain	na (B13) E Plants (Eulfide Odci zosphere: Reduced Reductior urface (C' ell Data (I inin in Rem	314) or (C1) s on Living I Iron (C4) n in Tilled So 7) D9) narks)	bils (C6)	Secondary II Surface Drainage Dry Seas Crayfish Saturatio Stunted Geomory	ndicators (minimum of two required Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) ohic Position (D2)
Depth (inches):_N/A  Remarks: o field indicators of hydric so field indicators (minimum of surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aeria Sparsely Vegetated Concaverations: Surface Water Present? Water Table Present?	I Imagery (B7) Yes No 4 Yes No 4	check all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen St Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or W Other (Explain	na (B13) c Plants (Eulfide Odci zosphere: Reduced Reductior urface (C' ell Data (I inin in Rem	or (C1) s on Living I Iron (C4) n in Tilled So 7) D9) narks)	oils (C6)	Secondary II Surface Drainage Dry Seas Crayfish Saturatio Stunted Geomory FAC-Neu	ndicators (minimum of two required Soil Cracks (B6) Patterns (B10) Son Water Table (C2) Burrows (C8) On Visible on Aerial Imagery (C9) or Stressed Plants (D1) Ohic Position (D2) Utral Test (D5)
Depth (inches):_N/A  Remarks: o field indicators of hydric some field indicators of hydric some field indicators of hydric some field indicators (minimum of surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aeria Sparsely Vegetated Concaverations: Surface Water Present? Water Table Present? Saturation Present?	ors:  I Imagery (B7)  See Surface (B8)	check all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen St Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or W Other (Explain	na (B13)  Plants (Eulfide Odc zosphere: Reduced Reductior urface (C ell Data (I in in Rem hes): hes):	or (C1) s on Living I Iron (C4) n in Tilled So 7) D9) narks)	oils (C6)	Secondary II Surface Drainage Dry Seas Crayfish Saturatio Stunted Geomory	ndicators (minimum of two required Soil Cracks (B6) Patterns (B10) Son Water Table (C2) Burrows (C8) On Visible on Aerial Imagery (C9) or Stressed Plants (D1) Ohic Position (D2) Utral Test (D5)
Depth (inches):_N/A  Remarks: o field indicators of hydric so field indicators (minimum of surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aeria Sparsely Vegetated Concaverations: Surface Water Present? Water Table Present?	I Imagery (B7) Yes No Yes No Yes No	check all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen Su Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or We Other (Explain	na (B13)  Plants (Eulfide Odc zosphere: Reduced Reductior urface (C' ell Data (I inin in Rem hes): hes): hes):	314) or (C1) s on Living I Iron (C4) n in Tilled So 7) D9) narks)	bils (C6)	Secondary II Surface Drainage Crayfish Saturatic Stunted Geomory FAC-Neu	ndicators (minimum of two required Soil Cracks (B6) Patterns (B10) Son Water Table (C2) Burrows (C8) On Visible on Aerial Imagery (C9) or Stressed Plants (D1) Ohic Position (D2) Utral Test (D5)
Depth (inches):_N/A  Remarks: o field indicators of hydric some field indicators of hydric some field indicators of hydric some field indicators (minimum of surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aeriation Sparsely Vegetated Concaverage field Observations: Surface Water Present?  Water Table Present?  Saturation Present?  Gaturation Present?  Gaturation Present?	I Imagery (B7) Yes No Yes No Yes No Yes No	check all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen Su Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or We Other (Explain	na (B13)  Plants (Eulfide Odc zosphere: Reduced Reductior urface (C' ell Data (I inin in Rem hes): hes): hes):	314) or (C1) s on Living I Iron (C4) n in Tilled So 7) D9) narks)	bils (C6)	Secondary II Surface Drainage Crayfish Saturatic Stunted Geomory FAC-Neu	ndicators (minimum of two required Soil Cracks (B6) Patterns (B10) Son Water Table (C2) Burrows (C8) On Visible on Aerial Imagery (C9) or Stressed Plants (D1) Ohic Position (D2) Utral Test (D5)
Depth (inches):_N/A  Remarks: o field indicators of hydric so field indicators (minimum of minimum of minimum of surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aeriation Sparsely Vegetated Concavers (Sield Observations: Surface Water Present?	I Imagery (B7) Yes No Yes No Yes No Yes No	check all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen Su Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or We Other (Explain	na (B13)  Plants (Eulfide Odc zosphere: Reduced Reductior urface (C' ell Data (I inin in Rem hes): hes): hes):	314) or (C1) s on Living I Iron (C4) n in Tilled So 7) D9) narks)	bils (C6)	Secondary II Surface Drainage Crayfish Saturatic Stunted Geomory FAC-Neu	ndicators (minimum of two required Soil Cracks (B6) Patterns (B10) Son Water Table (C2) Burrows (C8) On Visible on Aerial Imagery (C9) or Stressed Plants (D1) Ohic Position (D2) Utral Test (D5)

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### WETLAND DETERMINATION DATA FORM - Midwest Region

Applicant/Owner: Krones, Inc.  Investigator(s): Laura Giese  Landform (hillslope, terrace, etc.): Shoulder slope			WI Sampling Point: SP-6 Up
Landform (hillslope, terrace, etc.): Shoulder slope	Section,		
Landform (hillslope, terrace, etc.): Shoulder slope		Township, Range:	: S 26  T <u>5N  R 21E                                 </u>
		Local relief (c	concave, convex, none): convex
Slope: <u>10.0%</u> <u>5.7</u> ° Lat.:	Lor		
Soil Map Unit Name: Blount silt loam (BIA), mesic, Aeric Epia		·9··	ADAM I ICI II AI
Are climatic/hydrologic conditions on the site typical for this time of		(If no. e)	vplain in Remarks.)
	ignificantly disturbed?		ormal Circumstances" present?  Yes No
	•		or curriculated present.
Are Vegetation	naturally problematic? wing sampling	•	ded, explain any answers in Remarks.) ns, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No		•	<u> </u>
Hydric Soil Present? Yes No •		Is the Sampled A	
,	'	within a Wetland	d? Yes ○ No •
Remarks: Sample point taken amongst a clump of sandbar willow gro	owing on a relative	ly steep hillside.	
<b>VEGETATION</b> - Use scientific names of plan	nts. Domii	nant	
	Spec		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30' r</u> )	% Cover Cov		Number of Dominant Species
1		.0%	That are OBL, FACW, or FAC:
2	_ 0	.0%	Total Number of Dominant
3	_ 0	.0%	Species Across All Strata:4(B)
4		.0%	Secret of descriptions Consider
5		.0%	Percent of dominant Species That Are OBL, FACW, or FAC:50.0% (A/B)
_Sapling/Shrub_Stratum (Plot size: 15' r )	= Tota	al Cover	
	80 🗹 100	FACINI	Prevalence Index worksheet:
1. Salix interior 2.		0.0% FACW .0%	Total % Cover of: Multiply by:  OBL species 0 x 1 = 0
3.		.0%	OBL species 0 x 1 = 0 FACW species 110 x 2 = 220
4.		.0%	FAC species $0 \times 3 = 0$
5.		.0%	FACU species 50 x 4 = 200
Herb Stratum (Plot size: 5' r )	80 = Tota	al Cover	UPL species $0 \times 5 = 0$
	30 🗸 50	100/ FACM	Column Totals: 160 (A) 420 (B)
Phalaris arundinacea     Parthenocissus quinquefolia		0.0% FACW 3.3% FACU	
Partnenocissus quinquerolia     Cirsium arvense		5.7% FACU	Prevalence Index = B/A = 2.625
4.		.0%	Hydrophytic Vegetation Indicators:
5.		.0%	1 - Rapid Test for Hydrophytic Vegetation
6.	0 0.	.0%	2 - Dominance Test is > 50%
7	0 0.	.0%	<b>3</b> - Prevalence Index is ≤3.0 <sup>1</sup>
8	0 0.	.0%	4 - Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet)
9	_ 0	.0%	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
10		.0%	1 Indicators of hydric soil and wetland hydrology must
	= Tota	al Cover	be present, unless disturbed or problematic.
1. Parthenocissus quinquefolia	20 🗌 100	0.0% FACU	
2	0 0.	.0%	Hydrophytic
		al Cover	Vegetation Present? Yes ○ No ●
Remarks: (Include photo numbers here or on a separate sl A hydrophytic plant community was not present based on Salix interior.	•	t, but was preser	nt based on the prevalence index due to the abundance of

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

SOIL Sampling Point: SP-6 Up

Depth	Matrix		Red	ox Featu	ıres					
(inches) Color (	moist) 9	6 <u>C</u> c	olor (moist)	%	Type 1	Loc2	Texture			Remarks
0-6 10YR	4/2 8	0					Clay Loam	g	ravel I y	
10YR	4/3 2	0								
				-		-	-			
							-			
Type: C=Concentration, D	=Depletion, RM	=Reduced M	atrix, CS=Covere	ed or Coa	ed Sand Gr	ains.	<sup>2</sup> Location: PL=Pore	Lining.	M=Matrix.	
lydric Soil Indicators:							Indicators for	Droblon	notio Uvdri	io Coilo 3 .
Histosol (A1)			Sandy Gleyed	Matrix (S	4)					ic solls :
Histic Epipedon (A2)		Ē	Sandy Redox (		.,		Coast Prairie	Redox (	(A16)	
Black Histic (A3)			Stripped Matri				Dark Surface	e (S7)		
Hydrogen Sulfide (A4)					T1\		☐ Iron Mangan	iese Mas	ses (F12)	
Stratified Layers (A5)		L	Loamy Mucky				☐ Very Shallow	Dark Su	urface (TF12	2)
2 cm Muck (A10)		L	Loamy Gleyed		۷)		Other (Expla			
Depleted Below Dark S	Surface (A11)	Ļ	Depleted Matr				стог (Ехріа			
Thick Dark Surface (A	, ,	L	Redox Dark Su	•	•					
Sandy Muck Mineral (S	•	L	Depleted Dark	Surface	(F7)		3 Indicators of h	nydrophy	rtic vegetation	on and
			Redox Depres	sions (F8)					must be pre	
5 cm Mucky Peat or Pe							uniess ais	turbea o	r problemat	IC.
estrictive Layer (if obs	-									
Type: Rock and Gra	ivels									_
· ) [- : : : : : : : : : : : : : : : : : :							Hydric Soil Bross	nt2	Vac O	No (
Depth (inches): 6 Remarks: or field indicators of hyd	dric soil were c	bbserved. N	o redox featur	es were	observed i	n the soil	Hydric Soil Prese		Yes O	No • the restrictive
Depth (inches): 6 Remarks: o field indicators of hyd	dric soil were c	observed. N	o redox featur	es were	observed i	n the soil				
Depth (inches):_6 Remarks: or field indicators of hyd yer.	dric soil were c	observed. N	o redox featur	es were	observed i	n the soil				
Depth (inches): 6 Remarks: of field indicators of hydryer.  YDROLOGY		observed. N	o redox featuro	es were	observed i	n the soil				
Depth (inches): 6 Remarks: Defield indicators of hydroger.  YDROLOGY Vetland Hydrology Indi	cators:			es were	observed i	n the soil	suggesting water i	s not in	npeded by	the restrictive
Depth (inches): _6  Remarks: _6	cators:		all that apply)			n the soil	suggesting water is	s not in	npeded by	
Depth (inches):_6 Remarks: Depth (inches):_6 Remarks:_6 Remarks:_6 Remarks:_6 Remarks:_6 Remarks:_6 Remarks:_6 Remarks:_6 Remarks	cators: um of one is req		all that apply)	ed Leaves		n the soil	suggesting water is Secondary	s not in	npeded by  ors (minimulacks (B6)	the restrictive
Depth (inches): _6  Remarks: _6	cators: um of one is req		all that apply)	ed Leaves		n the soil	suggesting water is Secondary	s not in	npeded by	the restrictive
Depth (inches):_6  Remarks: Defield indicators of hydroger.  YDROLOGY  Vetland Hydrology Indicators (minimum of the content of	cators: um of one is req		all that apply)  Water-Staine Aquatic Faur	ed Leaves na (B13) : Plants (F	· (B9)	n the soil	suggesting water is  Secondary  Surface  Draina  Dry Se	Indicate e Soil Cr ge Patte ason Wa	ors (minimul acks (B6) rns (B10) ater Table (0	the restrictive
Depth (inches):_6  Remarks: Defield indicators of hydroger.  YDROLOGY  Vetland Hydrology Indicators (minimary Indi	<b>cators:</b> um of one is req		all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen St	ed Leaves na (B13) : Plants (E	314) or (C1)		suggesting water is  Secondary  Surface  Draina  Dry Se  Crayfis	Indicate e Soil Cr ge Patte ason Wa	ors (minimur acks (B6) rns (B10) ater Table (Gws (C8)	the restrictive  m of two required
Depth (inches):_6  Remarks: Defield indicators of hydroger.  YDROLOGY  Vetland Hydrology Indicators (minimum of the content of	<b>cators:</b> um of one is req		all that apply)  Water-Staine Aquatic Faur	ed Leaves na (B13) : Plants (E	314) or (C1)		suggesting water is  Secondary  Surface  Draina  Dry Se  Crayfis	Indicate e Soil Cr ge Patte ason Wa	ors (minimur acks (B6) rns (B10) ater Table (Gws (C8)	the restrictive
Depth (inches):_6  Remarks: Defield indicators of hydroger.  YDROLOGY  Vetland Hydrology Indicators (minimary Indi	<b>cators:</b> um of one is req		all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen St	ed Leaves na (B13) : Plants (E ulfide Odc zosphere	s (B9) 314) or (C1) s on Living I		suggesting water is  Secondary Surface Draina Dry Se Crayfis Satura	Indicatore Soil Cr ge Patteresson Wash Burrov	ors (minimur acks (B6) rns (B10) ater Table (Gws (C8)	the restrictive  m of two required  C2)  I Imagery (C9)
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Depth (inches):_6	cators: um of one is req	uired; check	all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen Su Oxidized Rhi Presence of Recent Iron Thin Muck S	ed Leaves na (B13) : Plants (Fulfide Odc zosphere: Reduced Reduction urface (C	s (B9) B14) or (C1) s on Living I Iron (C4) n in Tilled So	Roots (C3)	suggesting water is  Secondary Surface Draina Dry Se Crayfis Satura Stunte Geome	Indicate e Soil Cr ge Patte eason Wa sh Burrov tion Visil d or Stre	ors (minimur acks (B6) rns (B10) ater Table (C ws (C8) bole on Aeria essed Plants osition (D2)	the restrictive  m of two required  C2)  I Imagery (C9)
Depth (inches):_6 Remarks: Defield indicators of hydroger.  YDROLOGY  Vetland Hydrology Individual Indicators (minimum of the state of	cators: um of one is req 2) Aerial Imagery (	juired; check	all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen St Oxidized Rhi Presence of Recent Iron	ed Leaves na (B13) : Plants (I ulfide Odc zosphere: Reduced Reduction urface (C ell Data (I	s (B9)  314) or (C1) s on Living I Iron (C4) or in Tilled So 7) D9)	Roots (C3)	suggesting water is  Secondary Surface Draina Dry Se Crayfis Satura Stunte Geome	Indicate e Soil Cr ge Patte eason Wa sh Burrov tion Visil d or Stre	ors (minimur acks (B6) rns (B10) ater Table (C ws (C8) bole on Aeria essed Plants osition (D2)	the restrictive  m of two required  C2)  I Imagery (C9)
Depth (inches):_6 Remarks: Defield indicators of hydroger.  YDROLOGY  Vetland Hydrology Indicators (minimal of the control of	cators: um of one is req 2) Aerial Imagery (	juired; check	all that apply)  Water-Staine Aquatic Faur  True Aquatic Hydrogen St Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or We	ed Leaves na (B13) : Plants (I ulfide Odc zosphere: Reduced Reduction urface (C ell Data (I	s (B9)  314) or (C1) s on Living I Iron (C4) or in Tilled So 7) D9)	Roots (C3)	suggesting water is  Secondary Surface Draina Dry Se Crayfis Satura Stunte Geome	Indicate e Soil Cr ge Patte eason Wa sh Burrov tion Visil d or Stre	ors (minimur acks (B6) rns (B10) ater Table (C ws (C8) bole on Aeria essed Plants osition (D2)	the restrictive  m of two required  C2)  I Imagery (C9)
Depth (inches):_6 Remarks: of field indicators of hydroger.  YDROLOGY Vetland Hydrology Indi Primary Indicators (minimumal) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on A Sparsely Vegetated Co	cators: um of one is req 2) Aerial Imagery ( uncave Surface (	uired; check (B7) (B8)	all that apply)  Water-Staine Aquatic Faur  True Aquatic Hydrogen St Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or We Other (Explain	ed Leaves na (B13) : Plants (I Ilfide Odc zosphere: Reduced Reduction urface (C ell Data (I in in Rem	(B9) 314) or (C1) s on Living I Iron (C4) n in Tilled So 7) D9) narks)	Roots (C3) pils (C6)	suggesting water is  Secondary Surface Draina Dry Se Crayfis Satura Stunte Geome	Indicate e Soil Cr ge Patte eason Wa sh Burrov tion Visil d or Stre	ors (minimur acks (B6) rns (B10) ater Table (C ws (C8) bole on Aeria essed Plants osition (D2)	the restrictive  m of two required  C2)  I Imagery (C9)
Depth (inches):_6  Remarks: o field indicators of hydroger.  Vetland Hydrology Indicators (minimal surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on A	cators: um of one is req 2) Aerial Imagery (	juired; check	all that apply)  Water-Staine Aquatic Faur  True Aquatic Hydrogen St Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or We Other (Explain	ed Leaves na (B13) : Plants (I Ilfide Odc zosphere: Reduced Reduction urface (C ell Data (I in in Rem	s (B9)  314) or (C1) s on Living I Iron (C4) or in Tilled So 7) D9)	Roots (C3) pils (C6)	suggesting water is  Secondary Surface Draina Dry Se Crayfis Satura Stunte Geome	Indicate e Soil Cr ge Patte eason Wa sh Burrov tion Visil d or Stre	ors (minimur acks (B6) rns (B10) ater Table (C ws (C8) bole on Aeria essed Plants osition (D2)	the restrictive  m of two required  C2)  I Imagery (C9)
Depth (inches):_6  Remarks: of field indicators of hydrogyer.  YDROLOGY  Vetland Hydrology Indicators (minimal of the control	cators: um of one is req 2) Aerial Imagery ( uncave Surface (	uired; check (B7) (B8)	all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen St Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or We Other (Expla	ed Leaves na (B13) : Plants (E ulfide Odc zosphere: Reduced Reduction urface (C ell Data (I in in Rem	s (B9) B14) or (C1) s on Living I Iron (C4) or in Tilled So 7) D9) harks)	Roots (C3)	suggesting water is  Secondary Surface Draina Dry Se Crayfis Satura Stunte Geome	Indicate e Soil Cr ge Patte eason Wa sh Burrov tion Visil d or Stre	ors (minimur acks (B6) rns (B10) ater Table (Cays (C8) bole on Aeria essed Plants osition (D2) est (D5)	the restrictive  m of two required  C2)  I Imagery (C9) (D1)
Depth (inches):_6 Remarks: Defield indicators of hydroger.  YDROLOGY  Vetland Hydrology Indicators (minimal primary Indicators (minimal primar	cators: um of one is req 2) Aerial Imagery ( nncave Surface ( Yes O	B7) B8) No  No	all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen St Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or W Other (Expla	ed Leaves na (B13) Plants (E ulfide Odc zosphere: Reduced Reduction urface (C ell Data (I in in Rem hes):	(B9) 314) or (C1) s on Living I Iron (C4) n in Tilled So 7) D9) narks)	Roots (C3)	suggesting water is  Secondary Surface Draina Dry Se Crayfis Satura Stunte Geome	Indicate e Soil Cr ge Patte eason Wa th Burrov tion Visil d or Stre prephic Po	ors (minimur acks (B6) rns (B10) ater Table (C ws (C8) bole on Aeria essed Plants osition (D2)	the restrictive  m of two required  C2)  I Imagery (C9) (D1)
Depth (inches):_6 Remarks: Defield indicators of hydroger.  YDROLOGY  Vetland Hydrology Individual Indicators (minimum) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on A Sparsely Vegetated Collidaria Vegetated	cators:  um of one is requested.  2)  Aerial Imagery ( incave Surface (  Yes O  Yes O  Yes O	B7) (B8)  No   No   No   No   No	all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen Su Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or We Other (Explain	ed Leaves na (B13) : Plants (E ulfide Odc zosphere: Reduced Reduction urface (C ell Data (I nin in Rem hes): hes): hes):	s (B9) B14) or (C1) s on Living I Iron (C4) n in Tilled So 7) D9) narks)	Roots (C3)  Dils (C6)  Wetl	Secondary Surface Draina Dry Se Crayfis Satura Stunte Geome FAC-No	Indicate e Soil Cr ge Patte eason Wa th Burrov tion Visil d or Stre prephic Po	ors (minimur acks (B6) rns (B10) ater Table (Cays (C8) bole on Aeria essed Plants osition (D2) est (D5)	the restrictive  m of two required  C2)  I Imagery (C9) (D1)
Depth (inches):_6 Remarks: Defield indicators of hydrogy  Petland Hydrology Individual Primary Indicators (minimal Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on A Sparsely Vegetated Committed Water Table Present?  Peter Table Present?  Paturation Present?	cators: um of one is requested.  2)  Aerial Imagery ( uncave Surface (  Yes O  Yes O  Yes O  (stream gauge)	B7) (B8)  No   No   No   No   No	all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen Su Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or We Other (Explain	ed Leaves na (B13) : Plants (E ulfide Odc zosphere: Reduced Reduction urface (C ell Data (I nin in Rem hes): hes): hes):	s (B9) B14) or (C1) s on Living I Iron (C4) n in Tilled So 7) D9) narks)	Roots (C3)  Dils (C6)  Wetl	Secondary Surface Draina Dry Se Crayfis Satura Stunte Geome FAC-No	Indicate e Soil Cr ge Patte eason Wa th Burrov tion Visil d or Stre prephic Po	ors (minimur acks (B6) rns (B10) ater Table (Cays (C8) bole on Aeria essed Plants osition (D2) est (D5)	the restrictive  m of two required  C2)  I Imagery (C9) (D1)
Depth (inches):_6 Remarks: Defield indicators of hydrogyer.  YDROLOGY  Vetland Hydrology Indicators (minimumal) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on a Sparsely Vegetated Comparison (Comparison of Comparison (Comparison of Comparison of	cators: um of one is requested.  2)  Aerial Imagery ( uncave Surface (  Yes O  Yes O  Yes O  (stream gauge)	B7) (B8)  No   No   No   No   No	all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen Su Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or We Other (Explain	ed Leaves na (B13) : Plants (E ulfide Odc zosphere: Reduced Reduction urface (C ell Data (I nin in Rem hes): hes): hes):	s (B9) B14) or (C1) s on Living I Iron (C4) n in Tilled So 7) D9) narks)	Roots (C3)  Dils (C6)  Wetl	Secondary Surface Draina Dry Se Crayfis Satura Stunte Geome FAC-No	Indicate e Soil Cr ge Patte eason Wa th Burrov tion Visil d or Stre prephic Po	ors (minimur acks (B6) rns (B10) ater Table (Cays (C8) bole on Aeria essed Plants osition (D2) est (D5)	the restrictive  m of two required  C2)  I Imagery (C9) (D1)
Depth (inches):_6 Remarks: Defield indicators of hydrogy  Petland Hydrology Individual Primary Indicators (minimal Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on A Sparsely Vegetated Committed Water Table Present?  Peter Table Present?  Paturation Present?	cators: um of one is requested.  2)  Aerial Imagery ( yes O Yes O Yes O (stream gaugonalysis	B7) (B8)  No  No  No  No  No  No  e, monitori	all that apply)  Water-Staine Aquatic Faur True Aquatic Hydrogen St Oxidized Rhi Presence of Recent Iron Thin Muck S Gauge or We Other (Expla	ed Leaves na (B13) : Plants (E ulfide Odc zosphere: Reduced Reductior urface (C ell Data (I in in Rem hes): hes): photos,	(B9)  314)  or (C1)  s on Living I  Iron (C4)  n in Tilled Si  7)  D9)  parks)	Roots (C3)  Dils (C6)  Wetl	Secondary Surface Draina Dry Se Crayfis Satura Stunte Geome FAC-No	Indicate e Soil Cr ge Patte eason Wa sh Burrov tion Visil d or Stre orphic Po eutral Te	ors (minimur acks (B6) rns (B10) ater Table (C ws (C8) bole on Aeria essed Plants osition (D2) est (D5)	the restrictive  m of two required  C2) I Imagery (C9) (D1)

US Army Corps of Engineers Midwest Region - Version 2.0

# Appendix F: Professional Opinion on Wetland Susceptibility

#### Table 5: Opinion of Susceptibility for NR 151 Setback Purposes

Note: Final authority on NR 151 protective areas rests with WDNR, but the following is TRC's opinion of each wetland's NR 151 protective area category.

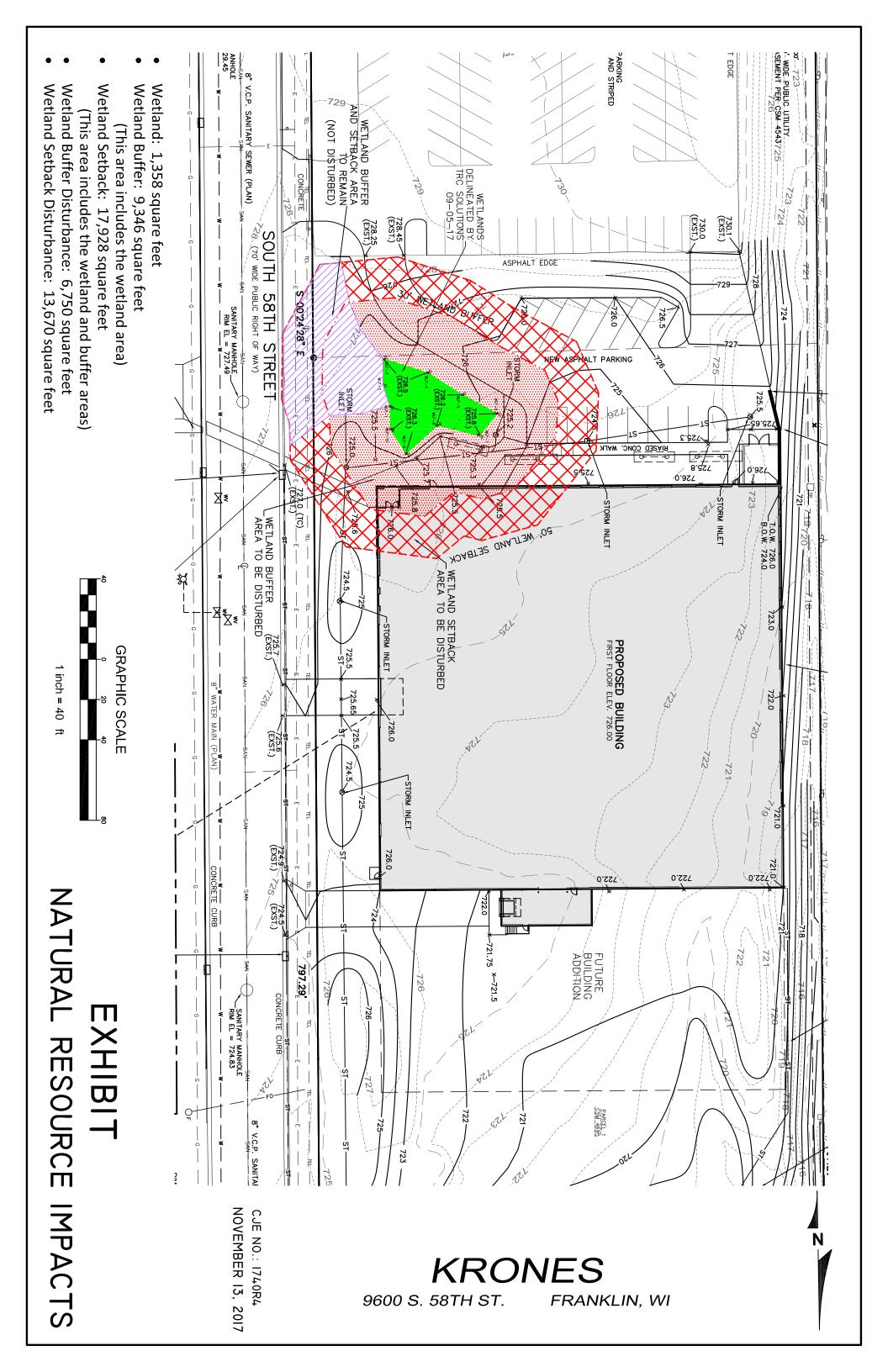
Wetland #	<u>Least</u> Susceptible	Moderately Susceptible	<u>Highly</u> Susceptible
W-1	Х	<u> </u>	<u> </u>

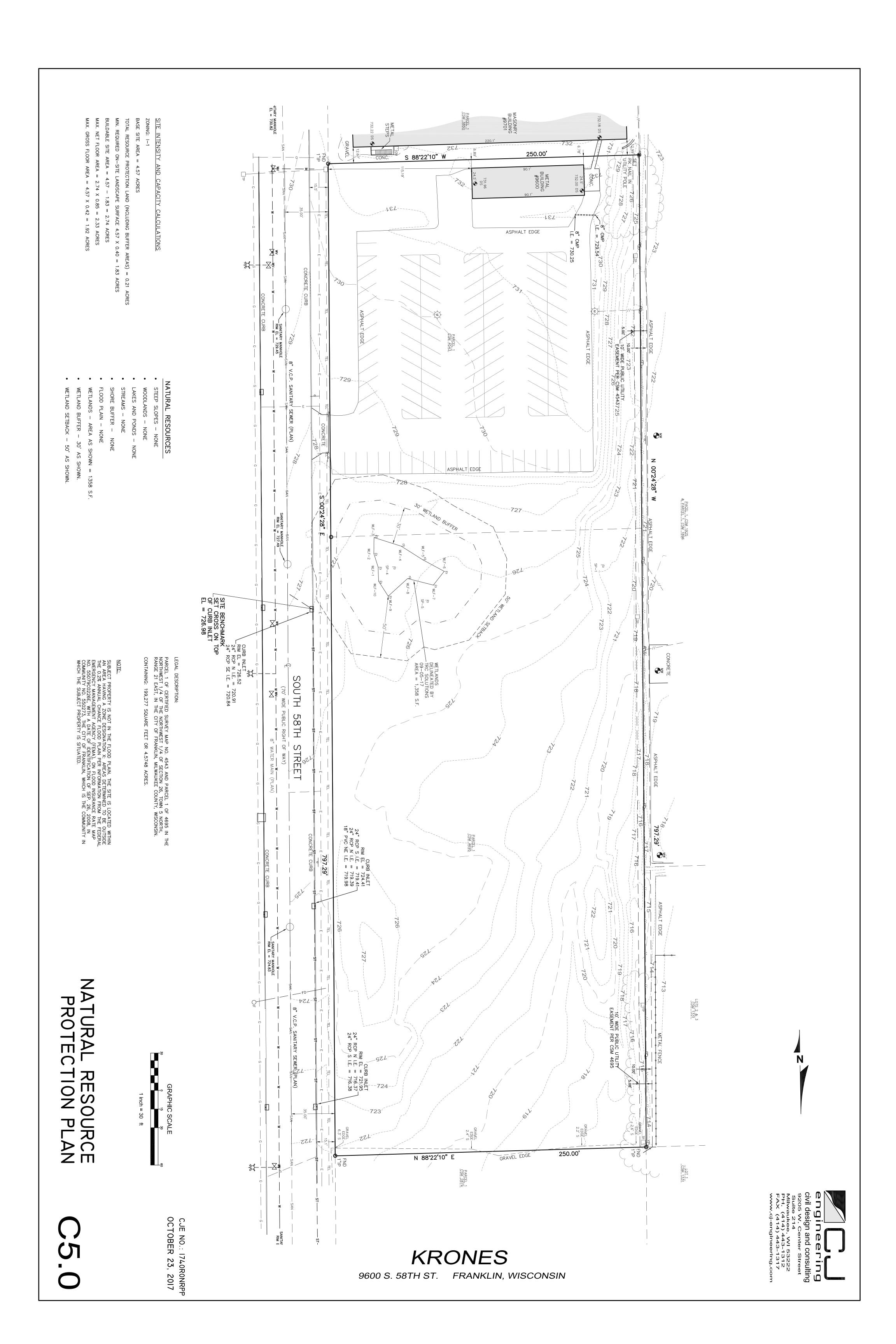
### **Definitions of Susceptibility Per WDNR Administrative Code:**

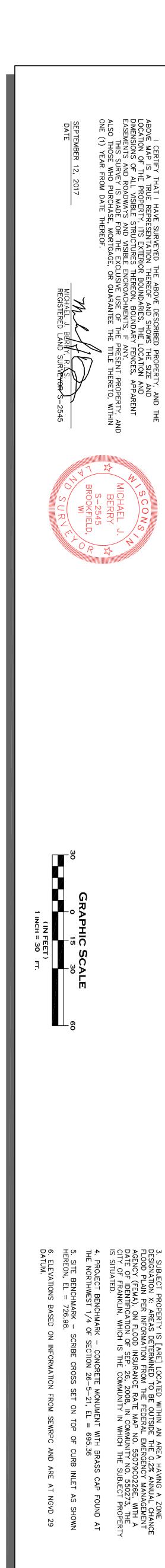
<u>Least Susceptible</u>: Degraded wetlands dominated by invasive species (≥ 90%) such as reed canary grass. Protective area = 10% of avg wetland width, but no less than 10' or more than 30'.

<u>Moderately Susceptible</u>: Fens, sedge meadows, bogs, low prairies, conifer swamps, shrub swamps, other forested wetlands, fresh wet meadows, shallow marshes, deep marshes and seasonally flooded basins. Protective area = 50'.

<u>Highly Susceptible:</u> Outstanding/exceptional resource waters, wetlands in areas of special natural resource interest as specificed in s. NR 103.04. Protective area = 75'.







3. SUBJECT PROPERTY IS [ARE] LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION X: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN PER INFORMATION FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON FLOOD INSURANCE RATE MAP NO. 55079C0226E, WITH A DATE OF IDENTIFICATION OF SEP. 26, 2008, IN COMMUNITY NO. 550273, THE CITY OF FRANKLIN, WHICH IS THE COMMUNITY IN WHICH THE SUBJECT PROPERTY IS SITUATED.

DRAWN BY:

NJF

SEPT.

<u>1</u>2,

2017

CSE Job No.:

17-073

SHEET

\_

Q

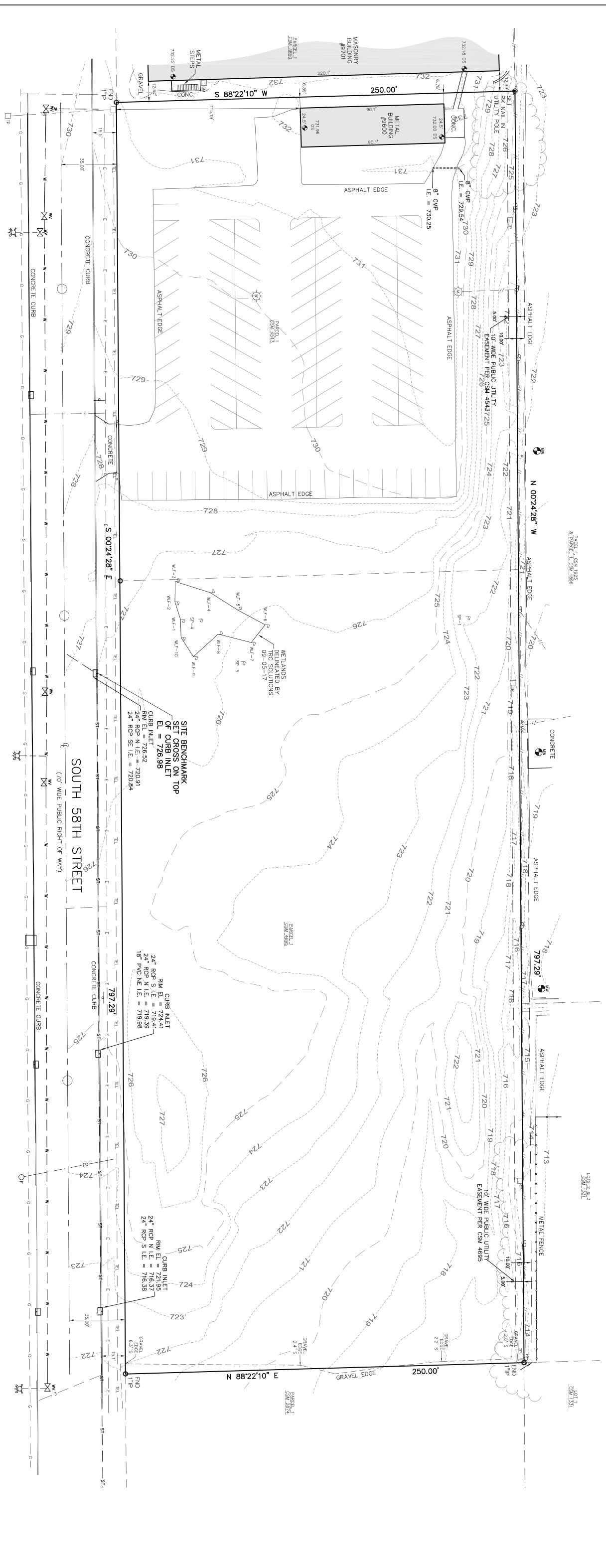
Снескер Ву:

MJB

DRAWING No.

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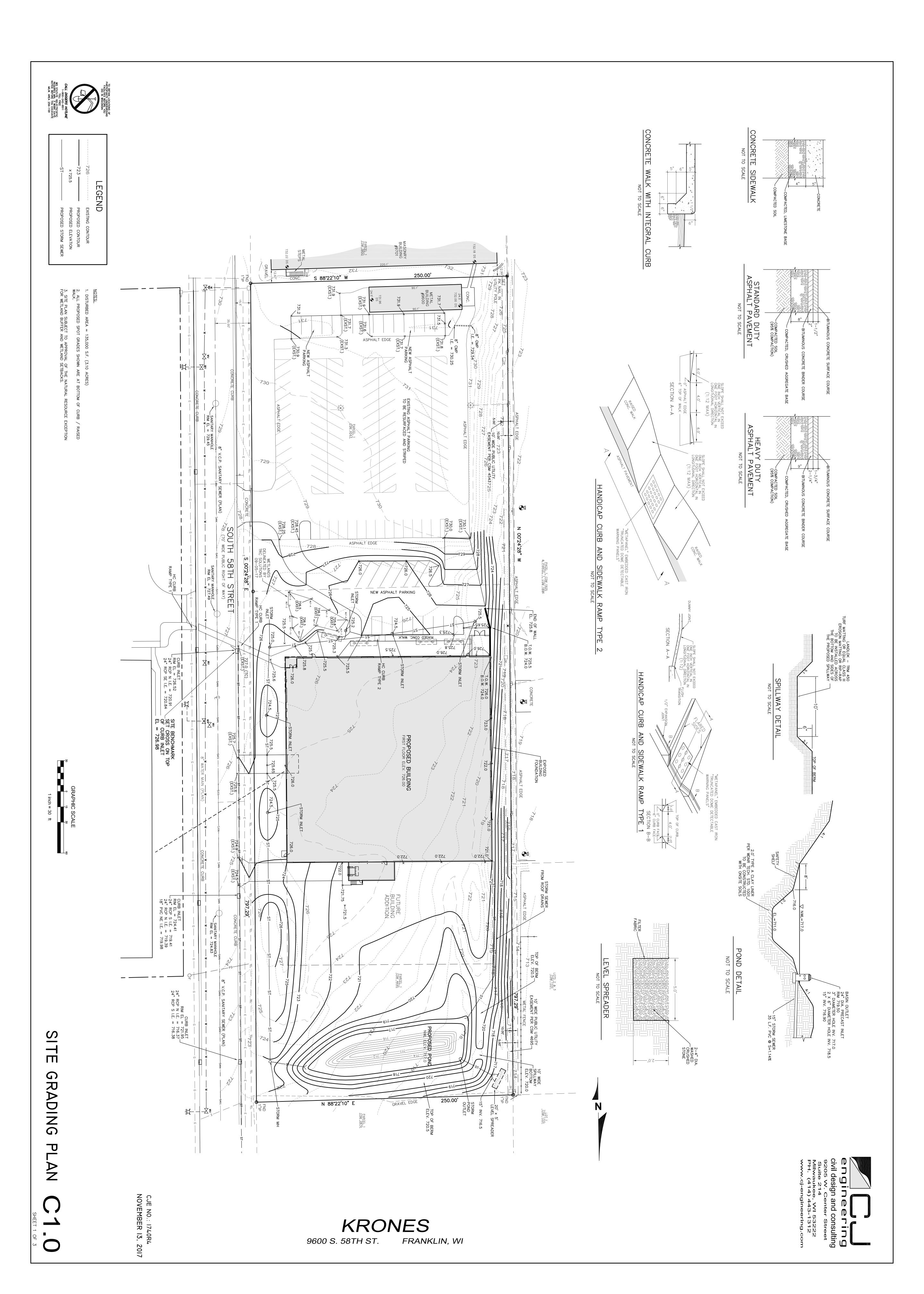
PARCEL 1 OF CERTIFIED SURVEY MAP NO. 4543 AND PARCEL 1 OF 4695 IN THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 26, TOWN 5 NORTH, RANGE 21 EAST, IN THE CITY OF FRANKLIN, MILWAUKEE COUNTY, WISCONSIN. . THE UNDERGROUND UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN ART, ON INFORMATION FURNISHED BY THE UTILITY COMPANIES, DIGGERS OTLINE AND THE LOCAL MUNICIPALITY. WHILE THIS INFORMATION IS BELIEVED BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED OR CERTIFIED TO. OR 4.5748 ACRES. PLAT OF SURVEY WITH TOPOGRAPHY EGEND KRONES
9600 S. 58TH ST.
FRANKLIN, WI FOR

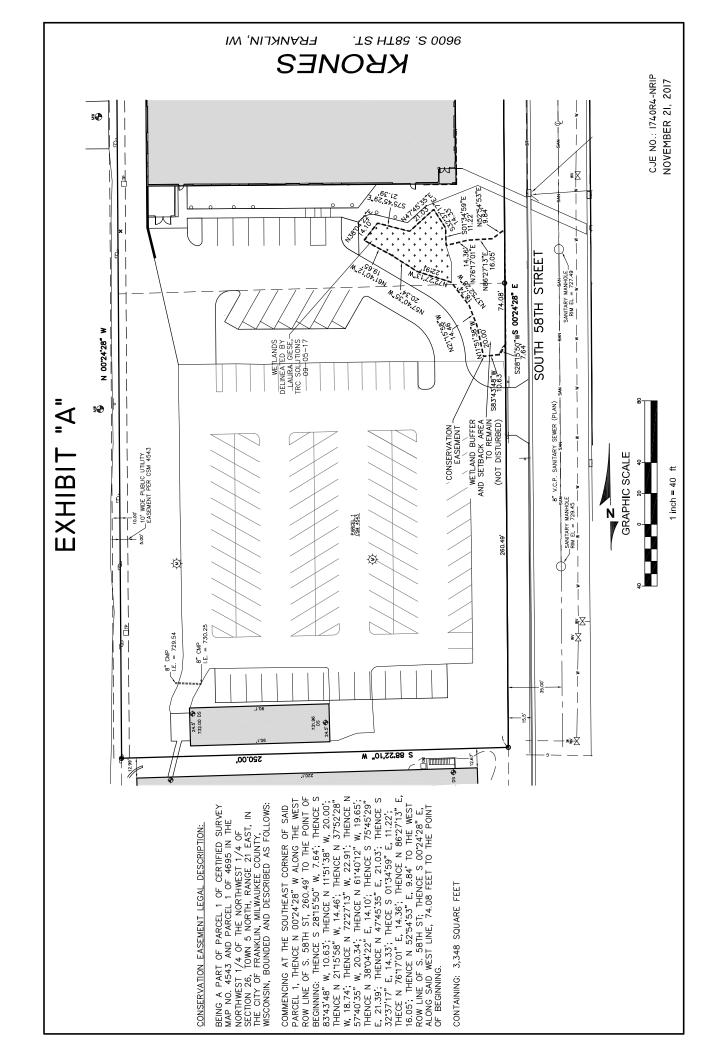


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engineering





#### **Exhibit B**

### **City of Franklin Environmental Commission**

TO: Common Council DATE: November 29, 2017

RE: Special Exception application review and recommendation

APPLICATION: Krones, Inc., Applicant, dated: November 10, 2017

(9611 South 58th Street)

# I. §15-9.0110 of the Unified Development Ordinance Special Exception to Natural Resource Feature Provisions Application information:

1. Unified Development Ordinance Section(s) from which Special Exception is requested:

Wetland buffer areas – Section 15-4.0102 H and Wetland Setbacks – Section 15-4.0102I.

2. Nature of the Special Exception requested (description of resources, encroachment, distances and dimensions):

There is small isolated Wetland area of 1358 s.f. that was discovered and delineated. The wetlands are a result of runoff from the existing parking lot and poor drainage/grading. The wetlands are in a location of the initial proposed site expansion. The site has been redesigned to avoid the wetlands but cannot be designed to avoid the wetland buffer and setback areas.

3. Applicant's reason for request:

The proposed project cannot be constructed to meet the current needs and future expansion plans without encroaching into the wetland buffer and setback areas.

4. Applicant's reason why request appropriate for Special Exception:

The request is appropriate since the intention of the wetland buffers and setbacks are to protect the wetland areas. The proposed plan does maintain and protect the wetlands. The adjacent impervious area will

no longer drain directly into the wetland area. The proposed storm water and grading plan are designed to collect and reroute this runoff to a new storm water pond on the north which will protect the wetland quality. In addition the wetland is located in the front of the proposed building so the owner will maintain the vegetative quality of the wetlands and adjacent areas for aesthetic reasons.

# II. Environmental Commission review of the §15-9.0110C.4.f. Natural Resource Feature impacts to functional values:

1. Diversity of flora including State and/or Federal designated threatened and/or endangered species:

See wetland report for flora description. No threatened or endangered species exists.

2. Storm and flood water storage:

The wetland buffer and setback area does not provide any significant storm or flood storage. Storm water storage is proved on the north with a proposed storm water pond.

3. Hydrologic functions:

The wetland buffer and setback area does not provide any significant hydrologic functions. Storm water management is proved on the north with a proposed storm water pond.

4. Water quality protection including filtration and storage of sediments, nutrients or toxic substances:

Water quality / sediment removal will be provided on the north with a proposed storm water pond.

5. Shoreline protection against erosion:

NA

6. Habitat for aquatic organisms:

NA

7. Habitat for wildlife:

No impact anticipated.

8. Human use functional value:

No impact anticipated.

9. Groundwater recharge/discharge protection:

No impact anticipated.

10. Aesthetic appeal, recreation, education, and science value:

No impact anticipated. Wetland area will be maintained and enhanced.

11. State or Federal designated threatened or endangered species or species of special concern:

None

12. Existence within a Shoreland:

NA

13. Existence within a Primary or Secondary Environmental Corridor or within an Isolated Natural Area, as those areas are defined and currently mapped by the Southeastern Wisconsin Regional Planning Commission from time to time:

None

# III. Environmental Commission review of the §15-10.0208B.2.d. factors and recommendations as to findings thereon:

1. That the condition(s) giving rise to the request for a Special Exception were not self-imposed by the applicant (this subsection a. does not apply to an application to improve or enhance a natural resource feature):

Existing site grading along with the desired reuse of the existing parking lot as a parking lot to serve the proposed training building coupled with the need to provide a safe and controlled pedestrian access between the existing Krones building across the street constricted the building of the new training center to the proposed location.

2. That compliance with the stream, shore buffer, navigable water-related, wetland, wetland buffer, and wetland setback requirement will:

- a. be unreasonably burdensome to the applicants and that there are no reasonable practicable alternatives; *or*
- b. unreasonably and negatively impact upon the applicants' use of the property and that there are no reasonable practicable alternatives:

Agree, requirements will unreasonably and negatively impact the owner's use of the property and there are no practicable alternatives.

- 3. The Special Exception, including any conditions imposed under this Section will:
  - a. be consistent with the existing character of the neighborhood:

Agree, be consistent with the existing character of the neighborhood; and

b. not effectively undermine the ability to apply or enforce the requirement with respect to other properties:

Agree, not effectively undermine the ability to apply or enforce the requirement with respect to other properties; and

c. be in harmony with the general purpose and intent of the provisions of this Ordinance proscribing the requirement:

Agree, be in harmony with the general purpose and intent of the provisions of this Ordinance; and

d. preserve or enhance the functional values of the stream or other navigable water, shore buffer, wetland, wetland buffer, and/or wetland setback in co-existence with the development (this finding only applying to an application to improve or enhance a natural resource feature):

NA

# IV. Environmental Commission review of the §15-10.0208B.2.a., b. and c. factors and recommendations as to findings thereon:

1. Characteristics of the real property, including, but not limited to, relative placement of improvements thereon with respect to property boundaries or otherwise applicable setbacks:

The size and shape of the proposed building is critical to the internal scope of the business within and critical to the success of their business here in Franklin.

2. Any exceptional, extraordinary, or unusual circumstances or conditions applying to the lot or parcel, structure, use, or intended use that do not apply generally to other properties or uses in the same district:

The steep grades to the North of the existing parking lot would be considered unusual in an industrial park; however, the proposed building design is intended to locate the loading dock to take advantage of the existing steep grades.

3. Existing and future uses of property; useful life of improvements at issue; disability of an occupant:

The proposed improvements to this property are within the permitted use of the industrial park zoning district and will be occupied and used as such for the foreseeable future.

4. Aesthetics:

Much of the improved area within the wetland buffer is intended to promote a visual connection between wetland and occupants of the proposed building.

5. Degree of noncompliance with the requirement allowed by the Special Exception:

*None anticipated.* 

6. Proximity to and character of surrounding property:

This property is within an old, established industrial park.

7. Zoning of the area in which property is located and neighboring area:

M-1 Limited Industrial District.

8. Any negative affect upon adjoining property:

None anticipated.

9. Natural features of the property:

This is an industrial park.

10.	Environmental	impacts:

None anticipated.

#### V. Environmental Commission Recommendation:

The Environmental Commission has reviewed the subject Application pursuant to §15-10.0208B. of the Unified Development Ordinance and makes the following recommendation:

- 1. The recommendations set forth in Sections III. and IV. Above are incorporated herein.
- 2. The Environmental Commission recommends approval of the Application upon the aforesaid recommendations for the reasons set forth therein.
- 3. The Environmental Commissions recommends that should the Common Council approve the Application, that such approval be subject to the following conditions:
  - a. Approval of a Natural Resource Special Exception for Krones, Inc. based upon acceptance of site grading plan C1.0. and mitigation of wetland area to be located by pond to the north with Planning staff approval.

The above review and recommendation was passed and adopted at a regular meeting of the Environmental Commission of the City of Franklin on the 29<sup>th</sup> day of November, 2017.

Dated this day of, 2017.	
Attest:	Wesley Cannon, Chairman
Arthur Skowron, Vice-Chairman	

## **Exhibit D**



2746 South 166th Street New Berlin, WI 53151 262.786.4640 p 262.786.4675 F andersonashton.com

# PROPERTY LEGAL DESCRIPTION

The legal description of the property for the proposed KRONES Training Facility Building: Parcel 1 of Certified Survey Map No. 4543 and Parcel 1 of 4695 in the Northwest 1/4 of the Northwest 1/4 of Section 26, Town 5 North, Range 21 East, in the City of Franklin, Milwaukee County, Wisconsin