





# APPENDIX D



# WETLAND DELINEATION REPORT

# → Matt Talbot CBRF Franklin Franklin, WI

Property is 15.5 acres and a part of Section 21, T 5N. – R. 21E., City of Franklin, Milwaukee County, Wisconsin.

Tax PIN # = 886-9987-000 located on the west side of St. Martins Road (Hwy 100) and south of the intersection of St. Martins Road and Ninety Second Street, City of Franklin, Milwaukee County, Wisconsin.

January 30, 2015

Prepared For:

Matt Talbot Recovery Services, Inc. President: Karl Rajani 4650 S. Howell Ave. Milwaukee, WI 53207

Prepared By: Grant Duchac

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**EXCEL PROJECT # 1420700** 

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#### 1. Introduction:

Excel Engineering, Inc. has completed a wetland determination and delineation, at the request of Matt Talbot Recovery Systems, for property located on St. Martins Rd (Hwy 100) and 92<sup>nd</sup> Street, Franklin Wisconsin. The purpose of this wetland evaluation is to determine the extent of wetlands on the property by establishing the boundaries and location of wetland area(s) at this location. This is motivated by the potential development on the site.

The property area studied contains approximately 15.5 acres. The existing property is currently vacant and densely vegetated with brush and some wooded areas. The remainder of the site contains some open wetland areas. Vacant and possible agricultural uses many years ago appear to have been the historic use of the property.

#### 2. Methodology:

The wetland was determined according to methodology defined in the USACE Wetland Delineation Methodology, published in 1987 (1987 Manual), and the Basic Guide to Wisconsin's Wetlands and Their Boundaries, published by the Wisconsin Dept. of Administration, Coastal Management Program. Additionally, supporting documentation issued by the USACE for clarification of their delineation methods has been used, as well. The Midwest Regional Supplement from the USACE was followed for this location.

Additional supporting information reviewed and utilized included data obtained from the Milwaukee County Geographic Information System (GIS) interactive website, Wisconsin Department of Natural Resources Surface Water Data Viewer Inventory, U.S. Department of Agriculture (USDA) Web Soil Survey, and available aerial photography coverage.

The U. S. Army Corps of Engineers and U.S. Environmental Protection Agency define a wetland as:

"Those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas."

Wetlands are defined by the State Legislature in Wisconsin. According to this definition, a wetland is:

"An area where water is at, near, or above the land surface long enough to be capable of supporting aquatic or hydrophytic (water-loving) vegetation and which has soils indicative of wet conditions."

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The Routine Method of delineation was used, based on the existing site conditions. The property appears to be in its natural state without human alteration with exception to possible alteration associated with adjacent road improvements. Available aerial photography shows the site back to 1937 and current aerial photos

show the current state of the site. (See Appendix C for historic aerial photos and Figure 5 & 6 for current aerials)

The sampling methodology used to determine the wetland boundary was to establish linear transects between different habitat types or apparent changes in soil conditions, and then place sampling points along the transect. At each sample point, a soil boring is made (to a minimum depth of 18/24 inches); and the soil, vegetation, and hydrology are examined.

According to the 1987 Army Corps of Engineers Manual, three requirements must be met before a sampling point is determined to be within a wetland. These are: 1) hydrophytic vegetation must be dominant (unless the area is significantly disturbed), 2) the soil must exhibit hydric characteristics, and 3) the sample point's hydrology must meet wetland requirements. The Wetland Determination Field Data Forms completed during the field evaluation are included at the end of this report. (See Appendix A)

The on-site field work for this delineation was completed on October 21, 2014. The weather conditions were mostly cloudy with air temperature approximately 50 degrees F. The site wetland determination, the delineation fieldwork, wetland boundary location, and this report have been prepared by Grant Duchac, Civil Engineer with Excel Engineering, Inc. Mr. Duchac has a Bachelor of Science degree in Civil & Environmental Engineering from the University of Wisconsin-Madison, and completed the Basic Wetland Delineation Training class in July of 2010. Additionally, Mr. Duchac has completed various supplemental wetland trainings including hydric soils and wetland botany classes.

#### 3. Site Description:

The overall property naturally drains from west to east/southeast with multiple low depressions within the site. The low depressions on site make up five (5) different wetland complexes. Regionally, drainage patterns flow southeast towards the Ryan Creek. The majority of the topography on the site appears to be natural and unchanged due to human alteration although the areas along the public right-of-way roads appear to have been altered in association with road improvements (construction). (See attached Figure 1 and Figure 2)

The wetland complexes on site are typically combination of wet meadow wetlands and shrub-carr wetlands. The majority of the site is heavily vegetated with some over story wooded areas although much of the site contains very thick buckthorn. The wetland depressional areas on site are typically more open than the thicker uplands. All wetland areas identified have been marked in the field with wetland boundary flags and the locations mapped by a surveyor. The extent of the Wetland delineation was limited to the existing subject 15.5 acre parcel of land. (See Wetland Location Map – Figure 1).

The NOAA online weather data for the Franklin area indicates the 30-year average precipitation for the three months (August, September, October) prior to the delineation is 9.80 inches. Actual precipitation for August, September, and October

was 9.64 inches (about average). The 30-year average precipitation for October is 2.65 inches. Precipitation for the 3 week period prior to the delineation was 2.62 inches. Long-term conditions experienced average precipitation and the period immediately preceding the delineation was right on average although the 2014 spring season experienced above average precipitation. Overall, precipitation in the 2014 growing season is about average.

#### 3a) Soils:

The subject property contains the following mapped soil units, according to the Natural Resources Conservation Service (NRCS) Web Soil Survey for Milwaukee County, Wisconsin: Brookston silt loam, Ashkum silty clay loam, Blount silt loam, Elliott silt loam, Markham silt loam, and Morley silt loam (See the attached Milwaukee County Soil Survey Map – Figure 3).

#### 3b) Presence of Mapped Wetlands:

The site does contain mapped wetland areas, per the Wisconsin Wetland Inventory Map (WWI Map). The site investigation revealed more wetland areas exist than what is mapped on the WWI map. The majority of wetlands on site are similar to the WWI map although the wetland areas are larger than what is mapped and more wetland complexes exist on site. (See the Wisconsin Wetland Inventory/Location/WDNR Surface Water Data Map – Figure 4)

The WWI map is drawn by the Department of Natural Resources from information obtained from aerial photography and is to be used as a reference tool only. Each wetland shown on the WWI map is given a classification symbol based on the type of habitat the wetland is comprised of.

#### 3c) Presence of Identified Wetlands:

The field work and evaluation of the site revealed that wetlands exist on the property. These areas meet the established criteria for wetlands (See Wetland Location Map – Figure 1).

The field delineation included the evaluation of 14 sample data point locations, located along several transects throughout the site. USACE wetland determination data sheets were completed and are included at the end of this report (See Appendix A).

#### 4. Wetland Discussion:

#### Wetland A

This Wetland area identified on the site (**0.06 acres**) is a wet meadow wetland complex with shrub/wooded characteristics. This wetland is a low depressional area along the east side of South  $92^{nd}$  Street. The western portion of the wetland is within the public right-of-way and the eastern portion (majority) is on the subject property.

Hydrology is primarily from surface water runoff to the low wetland area from S 92<sup>nd</sup> Street/ditch drainage and some higher lands to the north and east of the wetland. Surface water was not present in the wetland area at the time of the site investigation;

however the delineation was completed in the fall season so high water tables would not be expected. The primary hydrology indicator found at the time of the site investigation was saturation. Secondary indicators present at the site investigation include drainage patterns, geomorphic position, and positive FAC-neutral test. The transition from wetland to upland included a topographic break on all sides of the wetland. Additionally, soils and hydrology indicators diminished at the wetland boundary.

The soils evaluated within the Wetland were found to be hydric. The soil indicators present within the wetland complex were Redox Dark Surface. Redox high in the soil profile was observed in the wetland areas whereas redox was non-existent or low in the profile of the nearby dry, upland soils.

Hydrophytic vegetation was dominant within the wetland area. The dominant herbaceous species present in the wetland was red osier dogwood, (cornus alba, FacW), reed canary grass (phalaris arundinacea, FacW), and sedges (carex sp., FacW).

The percent dominance by invasive species within the area of the Wetland on the subject property is not sufficient to categorize this portion of the wetland area as "less-susceptible" wetlands, per classification guidelines in chapter NR151 of Wisconsin Administrative Code. The wetland would likely be characterized as "moderately susceptible".

#### Wetland B

This Wetland area identified on the site (**0.06 acres**) is a shrub/wooded wetland. This wetland is a low depressional area along southern boundary of the site. The wetland is densely vegetated without wet meadow characteristics.

Hydrology is primarily from surface water runoff to the low wetland area from higher lands to the north of the wetland. Surface water was not present in the wetland area at the time of the site investigation although a high water table was encountered. The primary hydrology indicators found at the time of the site investigation was saturation and high water table. Secondary indicators present at the site investigation include drainage patterns, geomorphic position, and positive FAC-neutral test. The transition from wetland to upland included a topographic break on all sides of the wetland. Additionally, soils and hydrology indicators diminished at the wetland boundary.

The soils evaluated within the Wetland were found to be hydric. The soil indicators present within the wetland complex were Redox Dark Surface and Depleted Below Dark Surface. Redox high in the soil profile was observed in the wetland areas whereas redox was non-existent or low in the profile of the nearby dry, upland soils.

Hydrophytic vegetation was dominant within the wetland area. The dominant herbaceous species present in the wetland was red osier dogwood, (cornus alba, FacW), and green ash (fraxinus pennsylvanica, FacW).

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The percent dominance by invasive species within the area of the Wetland on the subject property is not sufficient to categorize this portion of the wetland area as "less-susceptible" wetlands, per classification guidelines in chapter NR151 of

Wisconsin Administrative Code. The wetland would likely be characterized as "moderately susceptible".

#### Wetland C

This Wetland area identified on the site (**0.37 acres**) is a wet meadow wetland complex with some shrub/wooded characteristics. This wetland is a low depressional area in the southeast corner of the property. It appears the wetland complex gradually flows south onto the neighboring property. The middle of the wetland contained more open wetland areas whereas the perimeter was comprised of more wooded and shrubby wetland plant species.

Hydrology is primarily from surface water runoff to the low wetland area from higher lands to the north of the wetland. Surface water was present in portions of the wetland area at the time of the site investigation. The primary hydrology indicators found at the time of the site investigation were surface water, saturation, and high water table. Secondary indicators present at the site investigation include drainage patterns, geomorphic position, and positive FAC-neutral test. The transition from wetland to upland included a topographic break on all sides of the wetland. Additionally, soils and hydrology indicators diminished at the wetland boundary.

The soils evaluated within the Wetland were found to be hydric. The soil indicators present within the wetland complex were Redox Dark Surface and Loamy Mucky Mineral. Redox and muck high in the soil profile was observed in the wetland areas whereas redox was non-existent or low in the profile of the nearby dry, upland soils.

Hydrophytic vegetation was dominant within the wetland area. The dominant herbaceous species present in the wetland was red osier dogwood, (cornus alba, FacW), reed canary grass (phalaris arundinacea, FacW), sedges (carex sp., FacW), and green ash (fraxinus pennsylvanica, FacW).

The percent dominance by invasive species within the area of the Wetland on the subject property is not sufficient to categorize this portion of the wetland area as "less-susceptible" wetlands, per classification guidelines in chapter NR151 of Wisconsin Administrative Code. The wetland would likely be characterized as "moderately susceptible".

#### Wetland D

This Wetland area identified on the site (2.44 acres) is a wet meadow wetland complex with some shrub/wooded characteristics. This wetland is a large low depressional area in the center of the property. The center of the wetland contained more open wetland areas with dense stands of cattails whereas the perimeter was comprised of more wooded and shrubby wetland plant species with transitional wet meadow plants.

Hydrology is primarily from surface water runoff to the low wetland area from higher lands surrounding the wetland. Surface water was present in portions of the wetland area at the time of the site investigation. The primary hydrology indicators found at the time of the site investigation were surface water, saturation, and high water table. Secondary indicators present at the site investigation include drainage patterns, geomorphic position, and positive FAC-neutral test. The transition from wetland to upland included a topographic break on all sides of the wetland. Additionally, soils

and hydrology indicators diminished at the wetland boundary and the more open wetland community transitioned into dense upland buckthorn stands.

The soils evaluated within the Wetland were found to be hydric. The soil indicators present within the wetland complex were Redox Dark Surface, Loamy Mucky Mineral, and Histisol. Redox and muck high in the soil profile was observed in the wetland areas whereas redox was non-existent or low in the profile of the nearby dry, upland soils.

Hydrophytic vegetation was dominant within the wetland area. The dominant herbaceous species present in the wetland was red osier dogwood, (cornus alba, FacW), reed canary grass (phalaris arundinacea, FacW), narrow leaf cattails (typha angustifolia., Obl), and black willow (salix nigra, Obl).

The percent dominance by invasive species within the area of the Wetland on the subject property is likely sufficient to categorize this portion of the wetland area as "less-susceptible" wetlands, per classification guidelines in chapter NR151 of Wisconsin Administrative Code.

#### Wetland E

This Wetland area identified on the site (**0.05 acres**) is a shrub/wooded wetland. This wetland is a low drainage way in the northeast corner of the site. The wetland is surrounded with densely vegetated buckthorn although the wetland/drainage way was mostly open with no plants growing. The wetland appears to drain a wetland complex located on the neighboring property to the north of the subject site and flows southeast into a box culvert under St. Martin. Rd (Hwy 100).

Hydrology is primarily from surface water runoff to the low wetland area from neighboring wetlands to the north and higher lands to the west and east of the wetland. Surface water was present in the very low portions of the wetland area near the box culvert. The primary hydrology indicators found at the time of the site investigation were surface water, saturation, and high water table. Secondary indicators present at the site investigation include drainage patterns, geomorphic position, and positive FAC-neutral test. The transition from wetland to upland included a topographic break on all sides of the wetland. Additionally, soils and hydrology indicators diminished at the wetland boundary.

The soils evaluated within the Wetland were found to be hydric. The soil indicators present within the wetland complex were Redox Dark Surface. Redox high in the soil profile was observed in the wetland areas whereas redox was non-existent or low in the profile of the nearby dry, upland soils.

Hydrophytic vegetation was dominant within the wetland area. The dominant herbaceous species present in the wetland was green ash *(fraxinus pennsylvanica, FacW).* 

The percent dominance by invasive species within the area of the Wetland on the subject property is not sufficient to categorize this portion of the wetland area as "less-susceptible" wetlands, per classification guidelines in chapter NR151 of

Wisconsin Administrative Code. The wetland would likely be characterized as "moderately susceptible".

#### 5. <u>Upland Discussion:</u>

The uplands existing on the site are comprised densely wooded and brushy areas of the site. The upland areas on site generally slope towards the various wetland complexes within the site. The topography and soils on the site indicate the majority of the site has not been disturbed. Historic aerial photos indicate the site was vacant and mostly open in the 1930's and 1940's. After the construction of St. Martins Rd (Hwy 100) in the 1940's, the site transitioned into the current overgrown state of the property. The dominant herbaceous species for the majority of the upland areas was a variety of over story tree species with a heavy and thick buckthorn understory cover throughout the site. The uplands appeared to be well drained and able to sustain upland species. See Appendix A for detailed reports of upland plant species encountered during the site investigation as upland plant communities changed slightly throughout the site. All upland areas were dominated by dry soil profiles and defined soil breaks with much of the uplands existing in non-hydric soil areas.

#### 6. Conclusion:

The jurisdiction for the majority of the Wetlands within this site will likely be with the USACE and the WDNR although some of the wetlands may be under the sole jurisdiction of the WDNR. The joint jurisdiction would be the case if the wetlands are linked to navigable surface water. A jurisdictional determination has not been completed for this project, so no official determination has been made.

The majority of wetlands in Wisconsin are viewed as 'waters of the United States' and are regulated by the U.S. Army Corps of Engineers, under authority from the Clean Water Act. Section 404 of the Clean Water Act protects non-isolated wetlands, or wetlands associated with/linked to navigable surface waters. The Wisconsin Department of Natural Resources also regulates wetlands, including isolated wetland areas, under authority in Chapter 30 of the State Statutes, and WI Administrative Code NR 103.

In addition to the wetlands being under the jurisdiction of USACE and the WDNR, Milwaukee County and/or the City of Franklin may also have regulatory authority over wetlands in their ordinances. It is recommended that the local municipalities be consulted to determine the extent of regulation over wetlands.

No attempt was made to identify other environmental attributes that might be subject to additional regulation including: floodplain, environmental corridors, or culturally significant features.

The delineated wetland boundaries are subject to approval by the regulatory agencies stated above and are considered an estimate of the wetland boundary until reviewed and approved by the agency or agencies with jurisdiction. Excel Engineering, Inc. recommends that the wetland delineation report be submitted to the agencies for

concurrence prior to commencement of any work on the property. Additionally, any proposed activity in or adjacent to the wetlands would require permitting from the WDNR and possibly the USACE, as well as any permits required from the county or local municipality.

Excel Engineering, Inc.	Project # 1420700

#### 7. LITERATURE REFERENCES:

*Corps of Engineers Wetlands Delineation Manual*, **Technical Report Y-87-1**, 1987, Environmental Laboratory - U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Basic Guide to Wisconsin's Wetlands and Their Boundaries, 1995, Department of Administration and Wisconsin Coastal Management Program.

**USACE Supplemental Guidance Memoranda (Various),** United States Department of the Army, U.S. Army Corps of Engineers, Milwaukee D.C.

*Hydric Soil List for Milwaukee County, Wisconsin*, (Web-generated Report), United States Department of Agriculture (USDA), Natural Resource Conservation Service (NRCS).

Web Soil Survey (Info for Milwaukee County, Wisconsin), Updated 2013, USDA, Natural Resource Conservation Service (NRCS), Formerly Soil Conservation Service.

Wisconsin 7.5 Minute Series (Topographic) Maps, United States Geological Survey, Wisconsin

*Wisconsin Wetlands Inventory*, Milwaukee County, Wisconsin, (Via WDNR Surface Water Data Viewer – Interactive Mapping) Wisconsin Department of Natural Resources.

*Checklist of the Vascular Plants of Wisconsin* - Wisconsin State Herbarium, 2005, Presented by the University of Wisconsin - Madison.

*Surface Water Data Viewer – Designated Waters*, Wisconsin Department of Natural Resources Website – Mapping Feature.

GIS Interactive Mapping Webpage, 2014, Milwaukee County Interactive Geographic Information Web Server.



JANUARY 30, 2015

EXISTING SANITARY SEWER AND MANHOLE EXISTING OVERHEAD UTILITY LINE EXISTING GROUND CONTOUR

EXISTING STORM SEWER AND MANHOLE

EXISTING UNDERGROUND GAS LINE

1 - SAMPLE DATA POINT LOCATION

LEGEND:

EXISTING SIGN MONUMENT FOUND DECIDUOUS TREE

GAS VALVE

WATER VALVE IN BOX

RIGHT-OF-WAY LINE

UTILITY POLE WITH GUY WIRE

FIGURE 1 - WETLAND LOCATION MAP

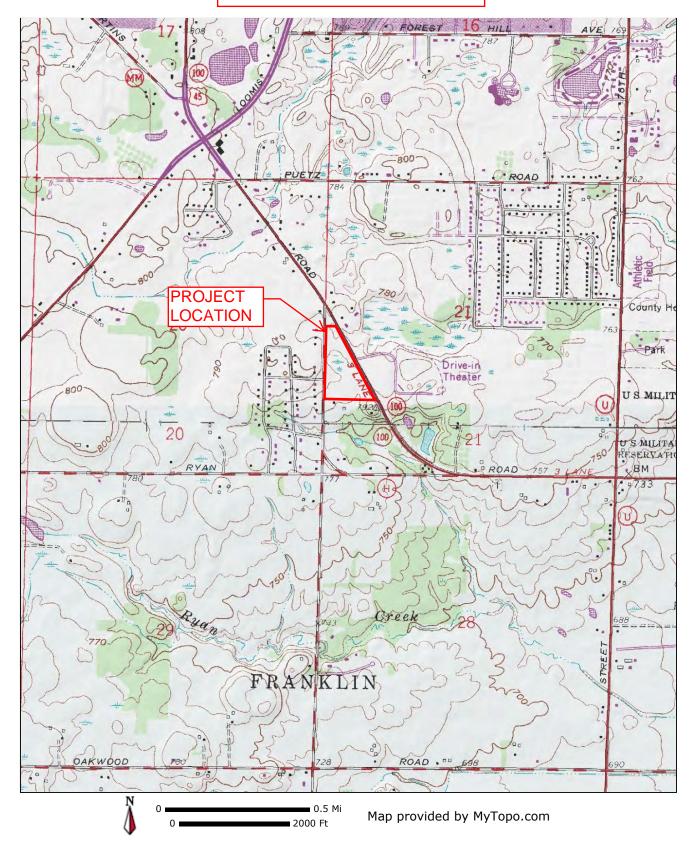
PRELIMINARY DRAWING - NOT FOR CONSTRUCTION

WET

1420700 SHEET

MyTopo Map Print Page 1 of 1

# FIGURE 2 - USGS TOPO MAP





#### MAP LEGEND MAP INFORMATION The soil surveys that comprise your AOI were mapped at 1:15,800. Area of Interest (AOI) С Area of Interest (AOI) C/D Warning: Soil Map may not be valid at this scale. Soils D Enlargement of maps beyond the scale of mapping can cause Soil Rating Polygons misunderstanding of the detail of mapping and accuracy of soil line Not rated or not available Α placement. The maps do not show the small areas of contrasting **Water Features** soils that could have been shown at a more detailed scale. A/D Streams and Canals В Please rely on the bar scale on each map sheet for map Transportation measurements. B/D +++ Rails Source of Map: Natural Resources Conservation Service Interstate Highways Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov C/D **US Routes** Coordinate System: Web Mercator (EPSG:3857) D Major Roads Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts Not rated or not available Local Roads distance and area. A projection that preserves area, such as the Soil Rating Lines Albers equal-area conic projection, should be used if more accurate Background calculations of distance or area are required. Aerial Photography A/D This product is generated from the USDA-NRCS certified data as of the version date(s) listed below. Soil Survey Area: Milwaukee and Waukesha Counties, Wisconsin Survey Area Data: Version 9, Sep 18, 2014 Soil map units are labeled (as space allows) for map scales 1:50,000 C/D or larger. Date(s) aerial images were photographed: Apr 29, 2011—Mar 28, 2012 Not rated or not available The orthophoto or other base map on which the soil lines were Soil Rating Points compiled and digitized probably differs from the background Α imagery displayed on these maps. As a result, some minor shifting A/D of map unit boundaries may be evident. В B/D

# **Hydrologic Soil Group**

Hydrologic Soil Group— Summary by Map Unit — Milwaukee and Waukesha Counties, Wisconsin (WI602)									
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI					
AsA	Ashkum silty clay loam, 0 to 2 percent slopes	C/D	4.6	26.8%					
BIA	Blount silt loam, 1 to 3 percent slopes	C/D	2.5	14.2%					
EsA	Elliott silt loam, 1 to 3 percent slopes	C/D	4.8	27.8%					
MeB	Markham silt loam, 2 to 6 percent slopes	С	1.3	7.3%					
MzdB	Morley silt loam, 2 to 6 percent slopes	С	0.0	0.1%					
MzdB2	Morley silt loam, 2 to 6 percent slopes, eroded	С	4.1	23.8%					
Totals for Area of Inte	rest	17.3	100.0%						

## Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

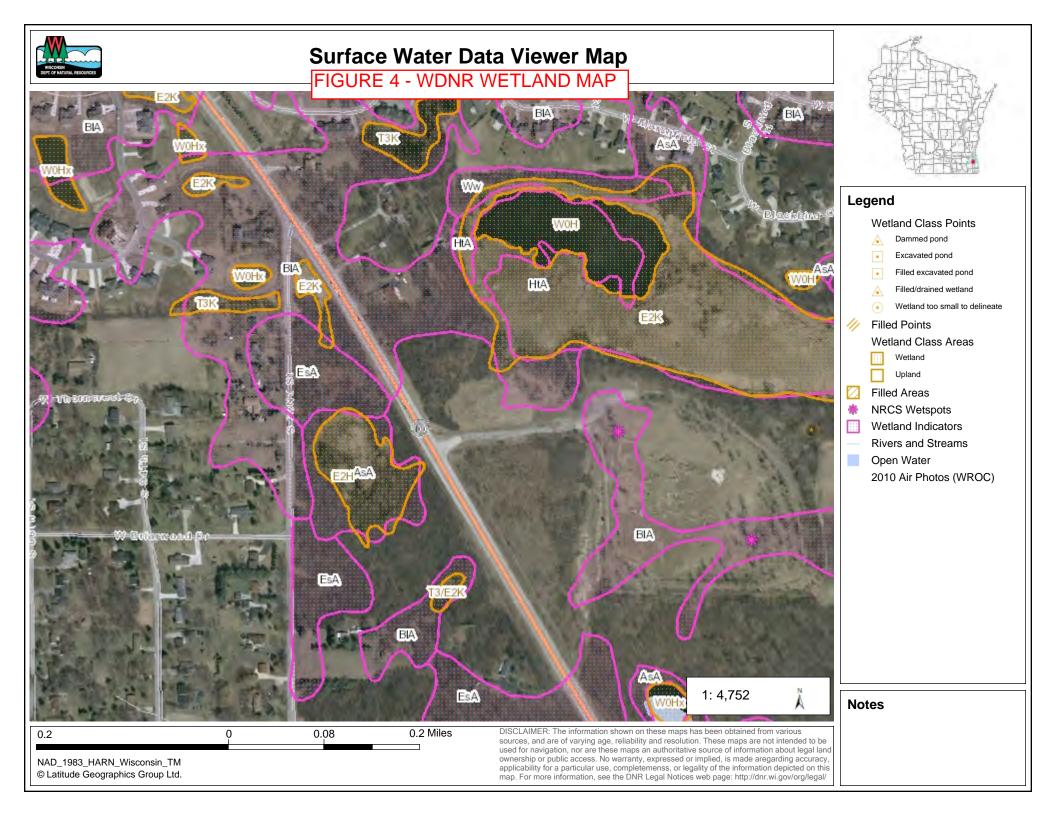
If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

# **Rating Options**

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

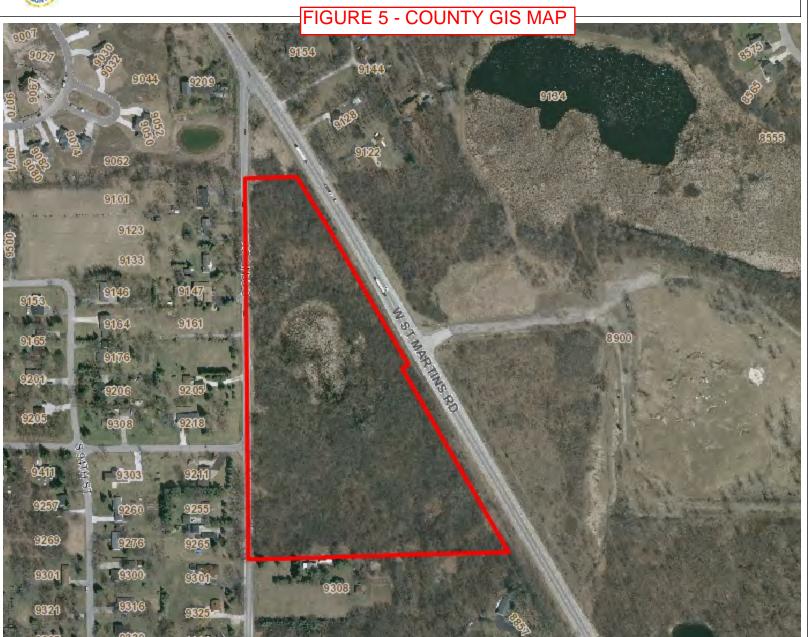
Tie-break Rule: Higher





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# MILWAUKEE COUNTY INTERACTIVE MAPPING SERVICE



Legend

Tax Parcels

Plat of Survey

**FORECLOSURE** 

Subdivision Docs

Condo Docs

**CSM Docs** 

AERIAL PHOTO 2010 HIGH R

Red: Band\_1
Green: Band\_2
Blue: Band\_3

Structure

1: 3,990



665 0 333 665 Feet

NAD\_1927\_StatePlane\_Wisconsin\_South\_FIPS\_4803

THIS MAP IS NOT TO BE USED FOR NAVIGATION

DISCLAIMER: This map is a user generated static output from the Milwaukee County Land Information Office Interactive Mapping Service website. The contents herein are for reference purposes only and may or may not be accurate, current or otherwise reliable. No liability is assumed for the data delineated herein either expressed or implied by Milwaukee County or its employees.

Notes



# APPENDIX A WETLAND DETERMINATION FIELD DATA FORMS

Project/Site Matt Talbot CBRF Franklin	City/C	County: Franklin/Milwauke		aukee Sa	mpling Date:	10-21-14
Applicant/Owner: Matt Talbot Recovery Services, Inc.	_	State:	te: WI		Sampling Point: 1-WET	
Investigator(s): Grant Duchac		Section, Township, Range: Sec 21, T5N, R21E				5N, R21E
Landform (hillslope, terrace, etc.): Low Pocket Dep	pression	Local r	elief (concav	e, convex, no	one):	Concave
Slope (%): 0 Lat:		Long:		Da	atum:	
Soil Map Unit Name EsA			NWI C	Classification	: 1	None
Are climatic/hydrologic conditions of the site typical for thi	is time of	the year?	Y (If	f no, explain	in remarks)	
Are vegetation , soil , or hydrology	У	significantly	/ disturbed?	Δr	e "normal circums	stances"
Are vegetation , soil , or hydrology		naturally pr	oblematic?	,		present? Yes
SUMMARY OF FINDINGS				(If needed,	explain any ansv	wers in remarks.)
Hydrophytic vegetation present? Y						•
Hydric soil present? Y		Is the s	ampled area	a within a we	etland?	Υ
Indicators of wetland hydrology present? Y		f yes, op	tional wetlan	d site ID:		
Remarks: (Explain alternative procedures here or in a sep	narate rer	oort )				
Internative procedures here of in a sep	parate rep	oort.)				
VECTATION Lies esignific remove of plants						
<b>VEGETATION</b> Use scientific names of plants.	h a a luita	Dominon	Indicator	Dominano	e Test Workshe	ot .
	bsolute Cover	Dominan t Species	Indicator Staus		Dominant Species	
1	00101	Coposido	Otado		L, FACW, or FAC:	
					mber of Dominant	
3					Across all Strata:	
4				Percent of I	Dominant Species	
5				that are OBI	L, FACW, or FAC:	100.00% (A/B)
	0 =	Total Cover	r -		<del></del>	
Sapling/Shrub stratum (Plot size: 30'R )	50	V	EA 0\A/		e Index Worksho	eet
1 Cornus alba 2 viburnum lentago	50 20	<u>Y</u> Y	FACW FAC	Total % Co		= 0
3 rhamnus cathartica	10	N I	FAC	FACW spe		
4				FAC specie		
5				FACU spec		= 0
	80 =	Total Cove	r	UPL specie	es 0 x 5	= 0
Herb stratum (Plot size: 5'R )				Column tot	tals <u>100</u> (A)	(B)
1 phalaris arundinacea	10	Υ	FACW	Prevalence	e Index = B/A =	2.30
2 carex sp.	10	Y	FACW			
3					tic Vegetation In	
					test for hydrophyt ance test is >50%	•
6		<del></del>			ence index is ≤3.0	
7					ogical adaptation	
8					rting data in Rema	
9					ate sheet)	
10				Proble	matic hydrophytic	vegetation*
	20 =	Total Cover	r	(explai	n)	
Woody vine stratum (Plot size: 30'R )						land hydrology must be
1				pres <b>Hydro</b>	sent, unless disturbed	or problematic
	0 =	Total Cove	<del></del>	vegeta		
	0 =	i otal Covel	'	preser		_
Remarks: (Include photo numbers here or on a separate	sheet)			<u> </u>		
<u>'</u>	,					

SOIL Sampling Point: 1-WET

Profile Desc	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	<u>Matrix</u>		Red	ox Feat	<u>ures</u>				
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**	Texture	Remarks	
0-2"	10YR 3/1	10					SCL		
2-10"	10YR 3/1	40	7.5 YR 5/8	20	С	М	CLAY	Mixed profile	
	10YR 4/4	30							
	10YR 5/1	10							
10-18"	10YR 5/1	75	7.5 YR 5/8	25	С	М	CLAY		
18-24"+	N2.5	90	7.5 YR 5/8	10	С	M	CLAY	Very dark clay	
10-24 +	112.5	30	7.5 11( 5/6	10		IVI	OLAT	very dark clay	
		= Depleti	on, RM = Reduce	ed Matrix	I, MS = N	lasked S		ocation: PL = Pore Lining, M = Matrix	
	il Indicators:		Son	dy Glay	ad Matrix	(84)		Problematic Hydric Soils: e Redox (A16) (LRR K, L, R)	
	isol (A1) ic Epipedon (A2)			dy Redo	ed Matrix	(34)		e (S7) ( <b>LRR K, L)</b>	
	k Histic (A3)			oped Ma	. ,			nese Masses (F12) (LRR K, L, R)	
	rogen Sulfide (A	4)			ky Minera	al (F1)		w Dark Surface (TF12)	
	tified Layers (A5	-			ed Matrix			ain in remarks)	
2 cr	n Muck (A10)				atrix (F3)			,	
Dep	leted Below Dark	Surface	· · · —		Surface	. ,			
	k Dark Surface (	,			ırk Surfa			hydrophytic vegetation and weltand	
	dy Mucky Minera	` '		lox Depr	essions (	(F8)	hydrology m	ust be present, unless disturbed or	
5 cr	n Mucky Peat or	Peat (S3	)					problematic	
Restrictive	Layer (if observ	ed):							
Type:							Hydric soil pr	esent? Y	
Depth (inche	es):				•				
Remarks:									
HYDROLO	)CV								
	drology Indicate	ore:						1	
1			required; check	all that a	nnly)		Sacandar	y Indicators (minimum of two required)	
	Water (A1)	OI OIIE IS	required, crieck		<del>рріу)</del> Fauna (B	13)		face Soil Cracks (B6)	
<u> </u>	ter Table (A2)				uatic Plar			inage Patterns (B10)	
X Saturation	` ,			•		Odor (C1		-Season Water Table (C2)	
	arks (B1)							yfish Burrows (C8)	
	t Deposits (B2)			(C3)				uration Visible on Aerial Imagery (C9)	
	osits (B3)			i		iced Iron		nted or Stressed Plants (D1)	
	t or Crust (B4)				ron Redu	iction in T		omorphic Position (D2)	
	osits (B5) on Visible on Aeria	ıl İmageri	/ (B7)	(C6)	ck Surfac	ο (C7)		C-Neutral Test (D5)	
	Vegetated Conca				r Well Da	. ,			
	ained Leaves (B9			_		Remarks	)		
Field Obser	vations:	-							
Surface water		Yes	No	Χ	Depth (i	nches):			
Water table		Yes	No	Χ	Depth (i			Indicators of wetland	
Saturation p		Yes	X No		Depth (i	nches):	18'	hydrology present? Y	
	oillary fringe)				_				
Describe red	orded data (strea	am gauge	e, monitoring well	, aerial p	hotos, p	revious ir	nspections), if availab	ole:	
Remarks:									
Wetland	is low depress	ional ar	ea. Field work	comple	eted in I	ate gro	wing season so hi	gh water table unlikely.	
	•					ū	-	-	

Project/Site Matt Talbot CBRF Franklin	City/	County: F	ranklin/Milw	aukee S	Sampling Date:	10-21-14
Applicant/Owner: Matt Talbot Recovery Services, Ir	nc.	State:	WI		Sampling Point:	2-UP
Investigator(s): Grant Duchac		Section, Township, Range: Sec 21, T5N, R21E				
Landform (hillslope, terrace, etc.): Hillslo	ope	Local r	elief (concav	e, convex,	none):	
Slope (%): 4 Lat:	•	Long:	•		Datum:	
Soil Map Unit Name EsA		· · · · · ·	NWI (	Classification	on:	N/A
Are climatic/hydrologic conditions of the site typical for	r this time o	of the year?			in in remarks)	
Are vegetation , soil , or hydrol		-	/ disturbed?		Are "normal circum	stances"
Are vegetation , soil , or hydrol		naturally pi		,		present? Yes
SUMMARY OF FINDINGS	·	,		(If neede	ed, explain any ans	wers in remarks.)
Hydrophytic vegetation present? N				•	<u> </u>	,
Hydric soil present? N	_	Is the s	ampled area	a within a	wetland?	N
Indicators of wetland hydrology present? N	_	f yes, op	tional wetlan	nd site ID:		
	- congrete r			_		<del></del>
Remarks: (Explain alternative procedures here or in a	separate r	eport.)				
Upslope of low wetland area 1-2' and	located in	n heavy bru	sh & wood	led area s	imilar to much o	f the site.
VEGETATION Use scientific names of plant				I 5	<b>T</b> ( <b>M</b> / l . l .	
Tree Stratum (Plot size: 30'R )	Absolute % Cover	Dominan t Species	Indicator Staus		nce Test Workshe	
Tree Stratum (Plot size: 30'R )  1 quercus alba	30	t Species Y	FACU		of Dominant Species OBL, FACW, or FAC:	
2 carya ovata	15	<u> </u>	FACU		Number of Dominan	``
3 prunus pensylvanica	15	<u> </u>	FACU		es Across all Strata:	
4				-	of Dominant Species	
5					BL, FACW, or FAC	
	60	= Total Cove	r			
Sapling/Shrub stratum (Plot size: 30'R )					nce Index Worksh	eet
1 rhamnus cathartica	60	Y Y	FAC	Total % (		•
2 Lonicera X bella 3	30	- <u>Y</u>	FACU	OBL spe FACW si		
3				FAC spe		
5				FACU sp		
	90	= Total Cove	r	UPL spe		i = 0
Herb stratum (Plot size: 5'R )		1		Column t	totals 190 (A)	660 (B)
1 rhamnus cathartica	40	Υ	FAC	Prevalen	A = B/A = B/A	3.47
2						
3					nytic Vegetation Ir	
4				l ——	d test for hydrophy	•
5					inance test is >50% alence index is ≤3.	
6						
8					phogical adaptation porting data in Rem	
9					rate sheet)	and or on a
10				Prob	lematic hydrophyti	c vegetation*
	40	= Total Cove	r	(expl		•
Woody vine stratum (Plot size:30'R)		-		*Indicator	rs of hydric soil and we	tland hydrology must be
1					resent, unless disturbe	d or problematic
2				_	rophytic etation	
	0	= Total Cove	r	_	ent? N	
Remarks: (Include photo numbers here or on a separa	ate sheet)					<del>-</del>
Tromands, (molado prioto fidilibers fiere di dir a separe	alo silect)					

SOIL Sampling Point: 2-UP

Profile Des	cription: (Descr	ibe to th	e depth needed	to docu	ment the	e indica	or or confirm the ab	sence of indicators.)
Depth	<u>Matrix</u>		Red	dox Feat	ures			
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**	Texture	Remarks
0-10"	10YR 2/1	100					SL	
10-24"	10YR 2/1	60	7.5YR 5/8	5	С	М	SCL	More clay lower in the profile
	10YR 4/4	35				***		
	10111 7/7	35		├	<del> </del>			
	<u> </u>	<u> </u>	ļ	<u> </u>	<u> </u>			
	ļ	<u> </u>		<u> </u>	<u> </u>			
						<u> </u>		
	1		†					
*Tvne: C = (	Concentration, D :	– Denlet	ion RM = Reduc	 ⊵d Matrix		lacked S	Sand Grains **I c	cation: PL = Pore Lining, M = Matrix
	oil Indicators:	- Dopios	IOII, IXIVI — IXOGGO	JU IVIGUES	., 1010 –	/lasilou C		Problematic Hydric Soils:
_	tisol (A1)		Sar	ndy Gleye	ed Matrix	(S4)		e Redox (A16) (LRR K, L, R)
	tic Epipedon (A2)			ndy Redo		(0-1)		e (S7) ( <b>LRR K, L)</b>
	ck Histic (A3)			pped Ma	. ,			nese Masses (F12) (LRR K, L, R)
	drogen Sulfide (A	4)		my Mucl	, ,	al (F1)		w Dark Surface (TF12)
	atified Layers (A5)			my Gley	-			ain in remarks)
	m Muck (A10)	,		oleted Ma				,
	oleted Below Dark	k Surface		dox Dark	` ,			
	ck Dark Surface (		` ′	oleted Da		` '	*Indicators of	hydrophytic vegetation and weltand
	ndy Mucky Minera	,		dox Depr		. ,		ust be present, unless disturbed or
	m Mucky Peat or	. ,		-			,	problematic
Restrictive	Layer (if observe	od).	•			I		
Type:	Layer (ii oboo	cuj.					Hydric soil pr	esent? N
Depth (inche	es):				-		11,41.10 001. [-1	
					-			
Remarks:								
HYDROLO	oc.v							
	drology Indicate	ero:						
_			iradi ahaak	-II that a	ار را م <i>ن</i>		Casandar	. Control (minimum of the monetical)
	icators (minimum	or one is	requirea; cneck			10)		y Indicators (minimum of two required)
	Water (A1)				Fauna (B			face Soil Cracks (B6)
	ater Table (A2)				uatic Plar en Sulfide	. ,		inage Patterns (B10) -Season Water Table (C2)
Saturation Water M	on (A3) 1arks (B1)							yfish Burrows (C8)
	nt Deposits (B2)			(C3)	1 Killzoop	116163 611	•	uration Visible on Aerial Imagery (C9)
	posits (B3)			_	e of Redu	uced Iron		nted or Stressed Plants (D1)
	at or Crust (B4)			_				omorphic Position (D2)
	posits (B5)			(C6)				C-Neutral Test (D5)
	on Visible on Aeria	al Imager	y (B7)	- '	ck Surfac	e (C7)		
	y Vegetated Conca			_	or Well Da			
Water-S	Stained Leaves (B9	)	_	Other (E	xplain in	Remarks	)	
Field Obser	rvations:			<u>-</u>				
Surface wat	er present?	Yes	No	X	Depth (i			
Water table		Yes	No	X	Depth (i			Indicators of wetland
Saturation p		Yes	No	X	Depth (i	nches):		hydrology present? N
(includes ca	pillary fringe)							
Describe red	corded data (strea	am gaug	e, monitoring well	l, aerial p	hotos, p	revious i	nspections), if availab	ole:
D = == a wlear								
Remarks:								
Dry profi	le.							
1								

Project/Site Matt Talbot CBRF Franklin	City/	County: I	Franklin/Milw	vaukee	Sampling Date:	10-21-14
Applicant/Owner: Matt Talbot Recovery Services, In	nc.	State:	WI		Sampling Point:	3-WET
Investigator(s): Grant Duchac		Section, Township, Range: Sec 21, T5N, R21E				
Landform (hillslope, terrace, etc.):	at	Local	relief (concav	ve, convex	, none):	
Slope (%): 0 Lat:		Long:			Datum:	
Soil Map Unit Name EsA			١W١	Classificati	on:	None
Are climatic/hydrologic conditions of the site typical fo	r this time o	of the year?	Υ (	If no, expla	ain in remarks)	
Are vegetation , soil , or hydrol	ogy	significantl	y disturbed?		Are "normal circum	stances"
	ogy		roblematic?			present? Yes
SUMMARY OF FINDINGS				(If neede	ed, explain any ans	wers in remarks.)
Hydrophytic vegetation present? Y						
Hydric soil present? Y	_	Is the s	sampled are	a within a	wetland?	Υ
Indicators of wetland hydrology present? Y	_	f yes, or	otional wetlar	nd site ID:		
Remarks: (Explain alternative procedures here or in a	senarate re	enort )		-		
Tromano. (Explain alternative procedures note of in a	ooparato re	<i>S</i> port.,				
	Low De	pressional	Area			
VEGETATION Use scientific names of plan	to					
- Ose scientific flames of plan	Absolute	Dominan	Indicator	Domina	nce Test Workshe	et
Tree Stratum (Plot size: 30'R )	% Cover		Staus		of Dominant Species	
1 Acer saccharinum	15	·Y	FACW		OBL, FACW, or FAC	
2 fraxinus pennsylvanica	10	Υ	FACW	Total	Number of Dominan	<u></u>
3				Spec	ies Across all Strata	6 (B)
4					of Dominant Species	
5		Tatal Caus		that are C	OBL, FACW, or FAC	100.00% (A/B)
Sapling/Shrub stratum (Plot size: 30'R )	25	= Total Cove	er	Provalo	nce Index Worksh	oot
1 cornus alba	90	Υ	FACW		Cover of:	CCI
2 rhamnus cathartica	10	N	FAC	OBL spe		= 0
3				-	species 130 x 2	2 = 260
4				FAC spe		60
5				FACU s		
Had states (Distains 5D	100	= Total Cove	er	UPL spe		
Herb stratum (Plot size: 5'R )	4.0	.,	E4 014/	Column	``	<del></del> ` ` '
1 cornus alba 2 rhamnus cathartica	10	<u>Y</u> Y	FACW FAC	Prevaler	nce Index = B/A =	2.13
2 rhamnus cathartica 3	10		FAC	Hydron	hytic Vegetation I	ndicators:
4					oid test for hydrophy	
5					ninance test is >50%	=
6				X Prev	valence index is ≤3.	0*
7				Mor	phogical adaptation	ns* (provide
8					porting data in Rem	arks or on a
9					arate sheet)	
10	20	= Total Cove			blematic hydrophyti blain)	c vegetation*
Woody vine stratum (Plot size: 30'R )		- Total Cove	71	I — , ,	•	
1 vitis riparia	5	Υ	FACW		ors of nydric soil and we oresent, unless disturbe	tland hydrology must be d or problematic
2					Irophytic	·
	5	= Total Cove	er	_	etation	
				pres	sent? Y	_
Remarks: (Include photo numbers here or on a separa	ate sheet)					

SOIL Sampling Point: 3-WET

Profile Desc	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)												
Depth	<u>Matrix</u>		Red	dox Feat	<u>ures</u>								
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**	Texture		Remarks				
0-6"	10YR 2/1	95	10 YR 5/8	5	С	М	SCL						
6-9"	10YR 2/1	50	7.5 YR 5/8	10	С	М	CLAY						
	10YR 5/2	40											
9-16"	10 YR 5/2	75	7.5 YR 5/8	20	С	М							
9-10	10 11( 3/2	73	N2.5	5	С	M		Mana	20000				
40*04"	40.1/0.0/4	70					01.437	iviarig	anese				
16*24"	10 YR 6/1	70	7.5 YR 5/8	30	С	М	CLAY						
	Concentration, D	= Depleti	on, RM = Reduce	ed Matrix	, MS = N	lasked S			Pore Lining, M = Matrix				
Hydric So	il Indicators:							r Problematic	-				
	isol (A1)			idy Gleye		(S4)		·	6) (LRR K, L, R)				
	ic Epipedon (A2)			idy Redo	. ,			ace (S7) (LRR					
	ck Histic (A3)			pped Ma				-	(F12) ( <b>LRR K, L, R</b> )				
	lrogen Sulfide (A	-		my Muck				llow Dark Surfa	,				
	tified Layers (A5)	)		my Gley			Other (ex	plain in remark	S)				
	n Muck (A10)	0 (		oleted Ma	, ,				I				
	leted Below Dark		· · · · · · · · · · · · · · · · · · ·	lox Dark		. ,							
	ck Dark Surface (			oleted Da					vegetation and weltand				
	idy Mucky Minera n Mucky Peat or			dox Depr	essions (	(6)	nyarology	must be prese problen	nt, unless disturbed or				
			)					problem	ialic				
	Layer (if observe	ed):							.,				
Type:							Hydric soil	present?	<u>Y</u>				
Depth (inche	es):												
Remarks:													
HYDROLO													
Wetland Hy	drology Indicate	ors:											
Primary Indi	cators (minimum	of one is	required; check						minimum of two required)				
	Water (A1)				Fauna (B			Surface Soil Crac	` '				
	ter Table (A2)				uatic Plar	, ,		Prainage Pattern	,				
X Saturation						Odor (C1		Ory-Season Wate					
	arks (B1)				Rnizosp	neres on	•	Crayfish Burrows	e on Aerial Imagery (C9)				
	nt Deposits (B2) posits (B3)			(C3)	a of Radi	uced Iron		Stunted or Stress					
	, ,			•									
Algal Mat or Crust (B4)  Recent Iron Reduction in Tilled Soils  X Geomorphic Position (D2)													
				Iron Deposits (B5) (C6) X FAC-Neutral Test (D5)									
Iron Dep	osits (B5)	ıl Imager		• ' '	ck Surfac	e (C7)							
Iron Dep Inundation				Thin Mu	ck Surfac r Well Da								
Iron Dep Inundation Sparsely	osits (B5) on Visible on Aeria	ve Surfa		Thin Muc Gauge o	r Well Da		XF						
Iron Dep Inundation Sparsely	osits (B5) on Visible on Aeria Vegetated Conca tained Leaves (B9	ve Surfa		Thin Muc Gauge o	r Well Da	ata (D9)	XF						
Iron Dep Inundation Sparsely Water-Si	osits (B5) on Visible on Aeria v Vegetated Conca tained Leaves (B9 vations:	ve Surfa		Thin Muc Gauge o	r Well Da	ata (D9) Remarks	XF						
Iron Dep Inundatid Sparsely Water-St  Field Obser Surface wate Water table	osits (B5) on Visible on Aeria v Vegetated Conca tained Leaves (B9 vations: er present? present?	ive Surfa	No No No	Thin Muc Gauge o Other (E	r Well Da xplain in Depth (i Depth (i	nta (D9) Remarks nches): nches):	X F	AC-Neutral Tes					
Iron Dep Inundatic Sparsely Water-Si Field Obser Surface wate Water table Saturation p	osits (B5) on Visible on Aeria v Vegetated Conca tained Leaves (B9 vations: er present? present?	ve Surfa	ce (B8) No	Thin Muc Gauge o Other (E	r Well Da xplain in Depth (i	nta (D9) Remarks nches): nches):	<u>X</u> F	AC-Neutral Tes	t (D5)				
Iron Dep Inundation Sparsely Water-Si Field Obser Surface wate Water table Saturation p (includes cal	osits (B5) on Visible on Aeria vegetated Concatained Leaves (B9 vations: er present? present? present? pillary fringe)	Yes Yes Yes Yes	No   No   No   No   No   No   No   No	Thin Mud Gauge o Other (E	r Well Da xplain in Depth (i Depth (i Depth (i	nches): nches): nches):	12" 6"	Indicators hydrolog	t (D5)				
Iron Dep Inundation Sparsely Water-Si Field Obser Surface wate Water table Saturation p (includes cal	osits (B5) on Visible on Aeria vegetated Concatained Leaves (B9 vations: er present? present? present? pillary fringe)	Yes Yes Yes Yes	No   No   No   No   No   No   No   No	Thin Mud Gauge o Other (E	r Well Da xplain in Depth (i Depth (i Depth (i	nches): nches): nches):	X F	Indicators hydrolog	t (D5)				
Iron Dep Inundation Sparsely Water-Si Field Obser Surface wate Water table Saturation p (includes cal	osits (B5) on Visible on Aeria vegetated Concatained Leaves (B9 vations: er present? present? present? pillary fringe)	Yes Yes Yes Yes	No   No   No   No   No   No   No   No	Thin Mud Gauge o Other (E	r Well Da xplain in Depth (i Depth (i Depth (i	nches): nches): nches):	12" 6"	Indicators hydrolog	t (D5)				
Iron Dep Inundation Sparsely Water-St Field Obser Surface wate Water table Saturation p (includes ca) Describe reco	osits (B5) on Visible on Aeria vegetated Concatained Leaves (B9 vations: er present? present? present? pillary fringe)	Yes Yes Yes Yes	No   No   No   No   No   No   No   No	Thin Mud Gauge o Other (E	r Well Da xplain in Depth (i Depth (i Depth (i	nches): nches): nches):	12" 6"	Indicators hydrolog	t (D5)				
Iron Dep Inundatic Sparsely Water-Si Field Obser Surface wate Water table Saturation p (includes ca) Describe reco	osits (B5) on Visible on Aeria vegetated Concatained Leaves (B9 vations: er present? present? present? pillary fringe) corded data (streat	Yes Yes Yes Yes	No No No No e, monitoring wel	Thin Mud Gauge o Other (E	r Well Da xplain in Depth (i Depth (i Depth (i	nches): nches): nches):	12" 6"	Indicators hydrolog	t (D5)				
Iron Dep Inundatic Sparsely Water-Si Field Obser Surface wate Water table Saturation p (includes ca) Describe reco	osits (B5) on Visible on Aeria vegetated Concatained Leaves (B9 vations: er present? present? present? pillary fringe)	Yes Yes Yes Yes	No No No No e, monitoring wel	Thin Mud Gauge o Other (E	r Well Da xplain in Depth (i Depth (i Depth (i	nches): nches): nches):	12" 6"	Indicators hydrolog	t (D5)				

			. •	ian cot itogion		
Project/Site Matt Talbot CBRF Franklin	City	/County:	Franklin/Milw	aukee Sampling Date:	10-21-14	
Applicant/Owner: Matt Talbot Recovery Services	, Inc.	State:	WI	Sampling Point:	4-UP	
Investigator(s): Grant Duchac		Sec	tion, Townshi	p, Range: Sec 21	, T5N, R21E	
Landform (hillslope, terrace, etc.):	oping	Local	relief (concav	ve, convex, none):		
Slope (%): 2-4% Lat:	<del>-</del>	Long:		Datum:		
Soil Map Unit Name EsA		- <u> </u>	١W١	Classification:	None	
Are climatic/hydrologic conditions of the site typical	for this time of	of the vear?	Y (	If no, explain in remarks)		
Are vegetation , soil , or hyd		-	ly disturbed?	Are "normal circu	metancos"	
	rology	-	problematic?	Ale normal circu	present? Yes	
SUMMARY OF FINDINGS				(If needed, explain any ar	· —	
Hydrophytic vegetation present?	Y					
Hydric soil present?	N_	Is the	sampled are	a within a wetland?	N	
Indicators of wetland hydrology present? N f yes, optional wetland site ID:						
Remarks: (Explain alternative procedures here or in	n a senarate r	eport )				
Tromano. (Explain alternative procedures here of it	r a ooparato i	орон.,				
Upland outside of wetland boo	undary slop	ing toward	s lower wet	land. Thick bucktorn on	site.	
NECETATION I lea este está a como esta el						
VEGETATION Use scientific names of pla		D	L. P. d.	Dominance Test Worksh	haat	
Tree Stratum (Plot size: 30'R )	Absolute % Cover		Indicator Staus			
1 Crataegus mollis	75 75	Y	FAC	Number of Dominant Speci- that are OBL, FACW, or FA		
2 quercus alba	20	- <u>'</u>	FACU	Total Number of Domina	``	
3 fraxinus pennsylvanica	<del>- 5</del>		FACW	Species Across all Strat		
4				Percent of Dominant Specie		
5		· •		that are OBL, FACW, or FA		
	100	= Total Cov	er			
Sapling/Shrub stratum (Plot size: 30'R	)	-		Prevalence Index Works	sheet	
1 rhamnus cathartica	60	Υ	FAC	Total % Cover of:		
2 lonicera x bella	20	Y	FACU	· —	1 = 0	
3 Crataegus mollis	10	N	FAC	· —	2 = 10	
4				·	3 = 465	
5		Total Cov		· —	4 = 160	
Herb stratum (Plot size: 5'R	90	= Total Cov	er	· —	(5 = 0) A) 635 (B)	
	_′	٧	E40		,, ,	
1 rhamnus cathartica	10	<u> </u>	FAC	Prevalence Index = B/A =	3.18	
3	_	-		Hydrophytic Vegetation	Indicators:	
4		- ——		Rapid test for hydroph		
5		·		X Dominance test is >50		
6				Prevalence index is ≤		
7				Morphogical adaptation	ons* (provide	
8				supporting data in Re		
9				separate sheet)		
10				Problematic hydrophy	tic vegetation*	
	10	= Total Cov	er	(explain)		
Woody vine stratum (Plot size: 30'R 1	_)			*Indicators of hydric soil and v present, unless disturb		
2				Hydrophytic		
	0	= Total Cov	er	vegetation present? Y		
Domarka: (Include sheep numbers have as as a series	arata abaath				<u> </u>	
Remarks: (Include photo numbers here or on a sep	,	ada of oita	Duoleth or	ic cugacating waters	rogotation procest	
Common buckthorn growing throughout due to the FAC status. No wetland hydrometric control of the common statement of the commo						

nature of buckthorn - vegetation should be upland.

SOIL Sampling Point: 4-UP

Profile Desc	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	<u>Matrix</u>		Red	lox Feat	<u>ures</u>				
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**	Texture	Remarks	
0-12"	10 YR 2/1	100					SL		
12-14"	10 YR 2/1	60					CLAY		
	10 YR 5/1	40							
14-24"	10 YR 5/1	95	7.5 YR 5/8	5	С	М	CLAY		
14-24	10 11( 5/1	90	7.5 110 5/6	3	C	IVI	OLAT		
		= Depleti	on, RM = Reduce	ed Matrix	, MS = N	/lasked S		on: PL = Pore Lining, M = Matrix	
Hydric So	il Indicators:							ematic Hydric Soils:	
	isol (A1)				ed Matrix	(S4)		dox (A16) ( <b>LRR K, L, R</b> )	
	ic Epipedon (A2)			dy Redo			Dark Surface (S		
l	ck Histic (A3)			oped Ma	, ,			Masses (F12) (LRR K, L, R)	
	rogen Sulfide (A4	-		•	ky Minera	. ,		rk Surface (TF12)	
	tified Layers (A5)	)		-	ed Matrix		Other (explain in	remarks)	
	n Muck (A10)	. 0			atrix (F3)			1	
	leted Below Dark		· · · · · · · · · · · · · · · · · · ·		Surface	` '	** ** * * * * * * * * * * * * * * * * *		
	ck Dark Surface ( dy Mucky Minera	,			ırk Surfad essions (	. ,		ophytic vegetation and weltand	
	n Mucky Peat or	` '		юх рерг	essions (	(6)	nyarology must b	e present, unless disturbed or problematic	
			)					problematic	
	Layer (if observe	ed):							
Type:							Hydric soil preser	it? N	
Depth (inche	es):								
Remarks:	Remarks:								
HYDROLO									
1	drology Indicato								
		of one is	required; check a				· · · · · · · · · · · · · · · · · · ·	licators (minimum of two required)	
	Water (A1)				Fauna (B			Soil Cracks (B6)	
·	ter Table (A2)				uatic Plar	, ,		e Patterns (B10)	
Saturation Mater M	arks (B1)					Odor (C1		son Water Table (C2) Burrows (C8)	
	arks (B1) it Deposits (B2)			(C3)	i Kilizusp	neres on		on Visible on Aerial Imagery (C9)	
	osits (B3)				e of Redu	iced Iron		or Stressed Plants (D1)	
	t or Crust (B4)							phic Position (D2)	
	osits (B5)			(C6)				utral Test (D5)	
	on Visible on Aeria	l Imagery	/ (B7)	Thin Mu	ck Surfac	e (C7)			
Sparsely	Vegetated Conca	ve Surfa	ce (B8)	Gauge o	r Well Da	ata (D9)			
Water-St	ained Leaves (B9	)		Other (E	xplain in	Remarks	)		
Field Obser	vations:								
Surface water		Yes	No	Х	Depth (i				
Water table		Yes	No	X	Depth (i			dicators of wetland	
Saturation p		Yes	No	Χ	Depth (i	ncnes):	n	ydrology present? N	
(includes cap			a magnitude : "	00-4-1	h a t = -		ennetions\ 'f = -1-11		
Describe red	corded data (strea	ım gauge	e, monitoring well	, aeriai p	riotos, pi	revious ii	nspections), if available:		
Remarks:									
	Point 1-2' highe	er than	wetland. Dry P	rofile.					

Project/Site Matt Talbot CBRF Franklin	City	County:	Franklin/Milw	aukee Sampling Date:	10-21-14	
Applicant/Owner: Matt Talbot Recovery Services, In	nc.	State:	WI	Sampling Point:	5-WET	
Investigator(s): Grant Duchac		Section, Township, Range: Sec 21, T5N, R21E				
Landform (hillslope, terrace, etc.): Low Dep	ression	Local	relief (concav	re, convex, none):		
Slope (%): 0 Lat:		Long:		Datum:		
Soil Map Unit Name BiA			VWI (	Classification:	None	
Are climatic/hydrologic conditions of the site typical fo	r this time o	of the year?	Y (I	f no, explain in remarks)		
Are vegetation , soil , or hydrol	logy	significantl	y disturbed?	Are "normal circ	umstances"	
	logy	•	roblematic?	7 ii o momai ono	present? Yes	
SUMMARY OF FINDINGS		•		(If needed, explain any a	answers in remarks.)	
Hydrophytic vegetation present? Y						
Hydric soil present? Y	_	Is the s	sampled are	a within a wetland?	Υ	
Indicators of wetland hydrology present? Y	_	f yes, o	otional wetlar	nd site ID:		
Remarks: (Explain alternative procedures here or in a	senarate r	enort )				
Tromano. (Explain altomative procedures note of in a	i oopaiato i	ороги,				
VEGETATION Use scientific names of plan	ts.					
	Absolute	Dominan	Indicator	Dominance Test Works	sheet	
Tree Stratum (Plot size: 30'R )	% Cover	t Species	Staus	Number of Dominant Spec		
1 fraxinus pennsylvanica	15	Y	FACW	that are OBL, FACW, or FA	AC: 8 (A)	
2 salix nigra	15	<u>Y</u>	OBL	Total Number of Domin		
3				Species Across all Stra	``	
5				Percent of Dominant Specthat are OBL, FACW, or FA		
	30	= Total Cove	<u></u>	that are OBE, I AOVV, OF I	10. 100.00% (A/B)	
Sapling/Shrub stratum (Plot size: 30'R	)			Prevalence Index Work	sheet	
1 cornus alba	60	Υ	FACW	Total % Cover of:		
2 salix interior	15	Υ	FACW	OBL species 15	x 1 =15	
3				FACW species 135	x 2 = 270	
4				<u></u>	x 3 = 30	
5	75	Total Cave		· —	x 4 = 0	
Herb stratum (Plot size: 5'R )	15	= Total Cove	er .	· —	x 5 = 0 (A) 315 (B)	
1 phalaris arundinacea	, 25	Y	FACW	Prevalence Index = B/A		
2 carex sp.	10	- <u>'</u>	FACW	Frevalence index = b/A	= 1.97	
3 Symphyotrichum lanceolatum	10	<u> </u>	FAC	Hydrophytic Vegetation	 n Indicators:	
4 solidago gigantea	10	Υ	FACW	Rapid test for hydror		
5				X Dominance test is >	50%	
6				X Prevalence index is:	≤3.0*	
7				Morphogical adaptat		
8				supporting data in R	emarks or on a	
9 10				separate sheet)	vitia va antation*	
	55	= Total Cove		Problematic hydroph (explain)	lytic vegetation	
Woody vine stratum (Plot size: 30'R	)	•		*Indicators of hydric soil and	wotland hydrology must be	
1				present, unless distu		
2				Hydrophytic		
	0	= Total Cove	er	vegetation	/	
				present? Y		
Remarks: (Include photo numbers here or on a separa	ate sheet)					
1						

SOIL Sampling Point: 5-WET

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)											
					<u>Features</u>			·			
(Inches)	Color (moist)	%	Color (moist)	(moist) %		Loc**	Texture	Remarks			
0-10"	N2.5	100					MUCK/CLAY				
10"+	10YR 5/1	90	7.5 YR 5/8	10	С	М	CLAY				
	10111071		7.10 7.1 0, 0				02				
*Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pore Lining, M = Matrix											
		= Depleti	on, RIVI = Reduc	ed Matrix	(, IVIS = I\	lasked S		on: PL = Pore Lining, M = Matrix			
Hydric Soil Indicators: Indicators for Problematic Hydric Soils:  Histisol (A1) Sandy Gleyed Matrix (S4) Coast Prairie Redox (A16) (LRR K, L, R)											
	isol (A1)					(54)		dox (A16) (LRR K, L, R)			
	ic Epipedon (A2)			ndy Redo	. ,		Dark Surface (S	/) (LRR K, L) Masses (F12) (LRR K, L, R)			
	ck Histic (A3)	4\		pped Ma	. ,	1 (54)	=				
	lrogen Sulfide (A	-		my Mucl				rk Surface (TF12)			
	tified Layers (A5)	)		my Gley			Other (explain in	remarks)			
· —	n Muck (A10)	0 (		oleted Ma	, ,			1			
	leted Below Dark			dox Dark		. ,					
	ck Dark Surface (			oleted Da				rophytic vegetation and weltand			
	dy Mucky Minera	. ,		dox Depr	essions	(F8)	hydrology must b	be present, unless disturbed or			
5 cr	n Mucky Peat or	Peat (S3	)					problematic			
Restrictive	Layer (if observe	ed):									
Type:					_		Hydric soil preser	nt?Y			
Depth (inche	es):				= =						
Remarks:											
	r hard to define	low in	profile due to	complet	o catur	ation					
Soil color hard to define low in profile due to complete saturation.											
HYDROLO	)GY										
	drology Indicate	vrc.									
-				-11 414 -			0				
	cators (minimum	of one is	requirea; cneck			40)	· · · · · · · · · · · · · · · · · · ·	dicators (minimum of two required)			
	Water (A1)			_	Fauna (B			Soil Cracks (B6)			
	X High Water Table (A2)     True Aquatic Plants (B14)     X Drainage Patterns (B10)       X Saturation (A3)     Hydrogen Sulfide Odor (C1)     Dry-Season Water Table (C2)										
	arks (B1)							son Water Table (C2) Burrows (C8)			
	nt Deposits (B2)			(C3)	ı Kılızusp	illeres on	,	on Visible on Aerial Imagery (C9)			
	oosits (B3)			- ' '	e of Redu	iced Iron		or Stressed Plants (D1)			
	it or Crust (B4)			_				phic Position (D2)			
	osits (B5)			(C6)	non reac	10010111111		utral Test (D5)			
	on Visible on Aeria	ıl Imager	/ (B7)	_ ` ′	ck Surfac	e (C7)	<u></u>	aa. 1001 (20)			
	Vegetated Conca		· · · · · · · · · · · · · · · · · · ·	_							
Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  Other (Explain in Remarks)											
Field Obser	vations:		<u> </u>								
Surface water		Yes	No	Χ	Depth (i	nches):					
Water table	•	Yes	X No		Depth (i		6" Inc	dicators of wetland			
Saturation p		Yes	X No		Depth (i		ENTIRE h	ydrology present? Y			
	pillary fringe)				• • •	,					
Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
Remarks:											

Project/Site Matt Talbot CBRF Franklin	City/	County:	Franklin/Milw	vaukee S	10-21-14				
Applicant/Owner: Matt Talbot Recovery Services, Ir	State:	WI	S	ampling Point:	6-UP				
Investigator(s): Grant Duchac	Section, Township, Range: Sec 21, T5N, R21E								
Landform (hillslope, terrace, etc.): Sloping to	Wetlands	Local	relief (concav	ve, convex, i	none):				
Slope (%): 4 Lat:		Long:			Datum:				
Soil Map Unit NameBiA/MzdB2		NWI Classification: None							
Are climatic/hydrologic conditions of the site typical for this time of the year? Y (If no, explain in remarks)									
Are vegetation , soil , or hydrol	ogy	significantl	ly disturbed?	А	re "normal circums	stances"			
	ogy	0	roblematic?	,		present? Yes			
SUMMARY OF FINDINGS				(If needed	d, explain any ansv	wers in remarks.)			
Hydrophytic vegetation present? N									
Hydric soil present? N		Is the sampled area within a wetland?							
Indicators of wetland hydrology present?	_	f yes, optional wetland site ID:							
Remarks: (Explain alternative procedures here or in a	senarate r	enort )							
Tremains. (Explain alternative procedures here of in a	30parate 1	сроп.,							
VECETATION	<u> </u>								
<b>VEGETATION</b> Use scientific names of plant		Daminan	Indicator	Dominan	ce Test Workshe				
Tree Stratum (Plot size: 30'R )	Absolute % Cover	Dominan t Species	Indicator Staus		f Dominant Species				
1 quercus rubra	40	Y	FACU		BL, FACW, or FAC:				
2 Crataegus mollis	20	Υ	FAC		lumber of Dominant	<del></del> ' ' '			
3				Specie	es Across all Strata:	6 (B)			
4				Percent of	f Dominant Species				
5				that are Of	BL, FACW, or FAC:	50.00% (A/B)			
Ocalica (Olas Latar) as (Distaire 201D	60	= Total Cove	er	D		1			
Sapling/Shrub stratum (Plot size: 30'R )  1 rhamnus cathartica	60	V	FAC	Total % C	ce Index Worksh	eet			
2 Ionicera x bella	10	- <u>Y</u>	FACU	OBL spec		= 0			
3			17100	FACW sp					
4				FAC spec					
5				FACU spe	ecies 70 x 4	= 280			
	70	= Total Cove	er	UPL spec					
Herb stratum (Plot size: 5'R )				Column to	otals 175 (A)	595(B)			
1 rhamnus cathartica	25	<u>Y</u>	FAC	Prevalend	ce Index = B/A =	3.40			
2 Ionicera x bella	10	<u>Y</u>	FACU						
3 parthenocissus quinquefolia	10	· <u> </u>	FACU		ytic Vegetation Indicate of test for hydrophysical test for hydrophy				
5					nance test is >50%	=			
6				l —	alence index is ≤3.0				
7				— Morpl	hogical adaptation	s* (provide			
8					orting data in Rema				
9				separ	rate sheet)				
10					ematic hydrophytic	c vegetation*			
Monday in a stratum (Dist size 201D )	45	= Total Cove	er	(expla	ain)				
Woody vine stratum (Plot size: 30'R )					s of hydric soil and wet esent, unless disturbed	tland hydrology must be			
2					ophytic	1 or problematic			
	0	= Total Cove			tation				
				prese	ent? N	_			
Remarks: (Include photo numbers here or on a separa	ate sheet)								
Very thick buckthorn in uplands.									

SOIL Sampling Point: 6-UP

Profile Desc	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth Matrix Redox Features											
(Inches)	Color (moist)			Type* Loc**		Texture	Remarks				
0-12"	10 YR 2/1	100					SL				
12-24"	10YR 5/1	85	7.5 YR 5/8	15	С	М	CLAY				
*Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pore Lining, M = Matrix											
	il Indicators:	- Dopioti	on, raw – raddoo	od Matrix	t, 1010 – 10	naonoa c		blematic Hydric Soils:			
	isol (A1)		San	dv Gleve	ed Matrix	(S4)		Redox (A16) ( <b>LRR K, L, R</b> )			
	ic Epipedon (A2)			dy Redo		(01)		(S7) (LRR K, L)			
	k Histic (A3)			oped Ma	. ,			se Masses (F12) (LRR K, L, R)			
	rogen Sulfide (A	1)		•	ky Minera	al (F1)		Dark Surface (TF12)			
	tified Layers (A5)	-		-	ed Matrix	. ,	Other (explain	the state of the s			
	n Muck (A10)	,			atrix (F3)			,			
	leted Below Dark	Surface			Surface			ĺ			
	k Dark Surface (		· · · —	leted Da	ark Surfa	ce (F7)	*Indicators of h	ydrophytic vegetation and weltand			
San	dy Mucky Minera	ıl (S1)			essions (			st be present, unless disturbed or			
	n Mucky Peat or	. ,		•		,	,	problematic			
	Layer (if observe		,			I		· ·			
Type:	Layer (II Observe	eu).					Hydric soil pres	sent? N			
Depth (inche	e).				•		riyuric son pres				
					•						
Remarks:											
111/00001											
HYDROLO											
1	drology Indicato										
		of one is	required; check				·	Indicators (minimum of two required)			
	Water (A1)				Fauna (B			ce Soil Cracks (B6)			
High Water Table (A2)  True Aquatic Plants (B14)  Drainage Patterns (B10)  High Water Table (A2)  Drainage Patterns (B10)							` ,				
Saturation (A3)  Hydrogen Sulfide Odor (C1)  Dry-Season Water Table (C2)  Outlined Phinogen and Little Posts  Creditable Physics and Little Posts  Creditable Physics and Little Posts  Creditable Physics and Little Physics and Little Posts  Creditable Physics and Little Physics a							· · ·				
Water Marks (B1)  Oxidized Rhizospheres on Living Roots  Crayfish Burrows (C8)  Sediment Penerity (R2)  Sediment Penerity (R2)								` '			
	Sediment Deposits (B2) (C3) Saturation Visible on Aerial Imagery (C9)  Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)										
	Drift Deposits (B3)  Algal Mat or Crust (B4)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Soils  Geomorphic Position (D2)										
	osits (B5)			(C6)	101111000			Neutral Test (D5)			
	on Visible on Aeria	l Imagery	/ (B7)	` ′	ck Surfac	e (C7)					
	Vegetated Conca				r Well Da						
Water-St	Water-Stained Leaves (B9)  Other (Explain in Remarks)										
Field Obser	vations:										
Surface water	er present?	Yes	No	Χ	Depth (i	nches):					
Water table		Yes	No	Х	Depth (i			Indicators of wetland			
Saturation p	resent?	Yes	No	Χ	Depth (i	nches):		hydrology present? N			
(includes capillary fringe)											
Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
Remarks:											
Dry profil	e upslope of w	etland	1-2'								

Project/Site Matt Talbot CBRF Franklin	City/	County:	Franklin/Milw	aukee Sampli	ing Date:	10-21-14			
Applicant/Owner: Matt Talbot Recovery Services, Inc	<u> </u>	State: WI			Sampling Point: 7-W				
Investigator(s): Grant Duchac			tion, Township		Sec 21, T	5N, R21E			
Landform (hillslope, terrace, etc.): Flat Local relief (concave, convex, none):									
Slope (%): 0 Lat:		Long:	,	Datum:					
Soil Map Unit Name BiA		· J	NWI (	Classification:		3/E2K			
Are climatic/hydrologic conditions of the site typical for this time of the year?  Y  (If no, explain in remarks)									
Are vegetation , soil , or hydrological , or hyd		-	ly disturbed?	•	ormal circums	etancoe"			
Are vegetation , soil , or hydrolo		_	roblematic?	Ale lic		resent? Yes			
SUMMARY OF FINDINGS		, ,		(If needed, exp	lain any ansv	vers in remarks.)			
Hydrophytic vegetation present? Y				, ,		,			
Hydric soil present?		Is the sampled area within a wetland?							
Indicators of wetland hydrology present?			ptional wetlar						
	on oroto r		'	-					
Remarks: (Explain alternative procedures here or in a s	separate re	eport.)							
Low mostly o	pen area	a within he	avily woode	ed parcel.					
	-								
<b>VEGETATION</b> Use scientific names of plants					- ( ) ( ) - ( ) - ( ) - ( )				
	Absolute % Cover	Dominan t Species	Indicator Staus	Dominance Te		¥			
Tree Stratum (Plot size: 30'R )  1 fraxinus pennsylvanica	20	Y	FACW	Number of Domi that are OBL, FA		4 (A)			
2			17.000		r of Dominant	(//)			
3					oss all Strata:	4 (B)			
4				Percent of Domi	inant Species	```			
5				that are OBL, FA	CW, or FAC:	100.00% (A/B)			
	20	= Total Cove	er			-			
Sapling/Shrub stratum (Plot size: 30'R )				Prevalence Inc		et			
1 cornus alba	30	<u>Y</u> Y	FACW	Total % Cover		-			
2 Cornus obliqua 3	10	<u> </u>	FACW	OBL species FACW species	5 x 1 :				
4				FAC species	0 x3:				
5				FACU species	0 x 4 :				
	40	= Total Cove	er	UPL species 0 x 5 = 0					
Herb stratum (Plot size: 5'R )				Column totals	160 (A)	315 (B)			
1 carex sp.	90	Y	FACW	Prevalence Ind	ex = B/A =	1.97			
2 solidago patula	5	N	OBL						
3 solidago gigantea	5	N	FACW	Hydrophytic V	_				
4				l ——	for hydrophyti	J			
5				X Dominance X Prevalence					
7 -									
8					al adaptations data in Rema				
9				separate sl					
10				Problemati	c hydrophytic	vegetation*			
<u>-</u>	100	= Total Cove	er	(explain)					
Woody vine stratum (Plot size: 30'R )				*Indicators of hyd	dric soil and wetl	and hydrology must be			
				present, t	unless disturbed	or problematic			
	0	= Total Cove		vegetation					
	U	= Total Cove	εı	present?	Υ				
Remarks: (Include photo numbers here or on a separat	e sheet)			<u>I</u>					
	,								

SOIL Sampling Point: 7-WET

Doph   Color (moist)	Profile Desc	cription: (Descr	ibe to th	e depth need	ed to docu	ment the	e indicat	or or confirm the	e absence of indicator	s.)
D-12" 10 YR 2/1 95 10 YR 5/8 5 C M SCL W/ MUCK  12-18"+ 10 YR 5/1 75 7.5 YR 5/8 25 C M CLAY  Type: C = Concentration. D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. "Location: PL = Pore Lining, M = Matrix  Hydric Soil indicators:  Histoic (A1) Sandy Gleyed Matrix (S4)  Histoic (A2) Simpled Matrix (S5)  Hydrogen Sulfide (A4) Stopped Matrix (S6)  Hydrogen Sulfide (A3) Stopped Matrix (S6)  Hydrogen Sulfide (A4) Loarny Mucky Mineral (F1)  Thick Dark Surface (A12) Depleted Matrix (F2)  Depleted Matrix (F3)  Thick Dark Surface (A12) Popeleted Bark Surface (F6)  Thick Dark Surface (A12) Popeleted Bark Surface (F6)  Thick Dark Surface (A12) Redxo Dark Surface (F7)  Sandy Mucky Mineral (S1) Redxo Dark Surface (F7)  Thick Dark Surface (A12) Popeleted Dark Surface (F8)  Thick Dark Surface (A12) Popeleted Dark Surface (A12) Popeleted Dark Surface (A12) Popeleted Dark (A12) Popele	Depth	Matrix		<u> </u>	Redox Feat	ures				-
12-18"+ 10YR 5/1 75 7.5 YR 5/8 25 C M CLAY  Type: C = Cancentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pere Lining, M = Matrix Hydric Soil Indicators:     History     History     History     History     History    History    History    History    History    History    History    History    History    History    History    Histor	(Inches)	Color (moist)	%	Color (moist	:) %	Type*	Loc**	Texture	Re	emarks
Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pere Lining, M = Matrix Hydric Soil indicators: Histor (An)	0-12"	10 YR 2/1	95	10 YR 5/8	5	С	M	SCL W/ MUCK		
Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pere Lining, M = Matrix Hydric Soil indicators: Histor (Ar)	12-18"+	10YR 5/1	75	7.5 YR 5/8	25	С	М	CLAY		
Hydric Soil Indicators:   Sandy Gleyed Matrix (S4)   Sandy Gleyed Matrix (S4)   Sandy Redox (S5)   Sandy Redox (S5)   Sandy Redox (S5)   Stripped Matrix (S4)   Dark Surface (S7) (LRR K, L)   Dark Surface (S7) (LRR K, L)   Stratified Layers (A5)   Loamy Mukey Mineral (F1)   Very Shallow Dark Surface (F12)   Chra K (LR K, L)   Dark Surface (S7) (LRR K, L)   Tron-Manganese Masses (F12) (LRR K, L)   Tron-Manganese Masses (F12) (LRR K, L)   Very Shallow Dark Surface (F12)   Depleted Matrix (F2)   Depleted Dark Surface (F12)   Trinck Dark Surface (A12)   Trinck Dark Surface	12 10 1	10111 0/1		7.0 110 070		<del>-</del>		OL/ (		
Hydric Soil Indicators:   Sandy Gleyed Matrix (S4)   Sandy Redox (S5)   Sandy Redox (S5)   Sandy Redox (S5)   Sandy Redox (S5)   Stripped Matrix (S4)   Dark Surface (S7) (LRR K, L)   Dark Surface (S7) (LRR K, L)   Dark Surface (S7) (LRR K, L)   Stratified Layers (A5)   Loamy Mukey Mineral (F1)   Dark Surface (S7) (LRR K, L)   Tron-Manganese Masses (F12) (LR K, L)										
Hydric Soil Indicators:   Sandy Gleyed Matrix (S4)   Sandy Redox (S5)   Sandy Redox (S5)   Sandy Redox (S5)   Sandy Redox (S5)   Stripped Matrix (S4)   Dark Surface (S7) (LRR K, L)   Dark Surface (S7) (LRR K, L)   Dark Surface (S7) (LRR K, L)   Stratified Layers (A5)   Loamy Mukey Mineral (F1)   Dark Surface (S7) (LRR K, L)   Tron-Manganese Masses (F12) (LR K, L)										
Hydric Soil Indicators:   Sandy Gleyed Matrix (S4)   Sandy Redox (S5)   Sandy Redox (S5)   Sandy Redox (S5)   Sandy Redox (S5)   Stripped Matrix (S4)   Dark Surface (S7) (LRR K, L)   Dark Surface (S7) (LRR K, L)   Dark Surface (S7) (LRR K, L)   Stratified Layers (A5)   Loamy Mukey Mineral (F1)   Dark Surface (S7) (LRR K, L)   Tron-Manganese Masses (F12) (LR K, L)										
Hydric Soil Indicators:   Sandy Gleyed Matrix (S4)   Sandy Gleyed Matrix (S4)   Sandy Redox (S5)   Sandy Redox (S5)   Sandy Redox (S5)   Stripped Matrix (S4)   Dark Surface (S7) (LRR K, L)   Dark Surface (S7) (LRR K, L)   Stratified Layers (A5)   Loamy Mukey Mineral (F1)   Very Shallow Dark Surface (F12)   Chra K (LR K, L)   Dark Surface (S7) (LRR K, L)   Tron-Manganese Masses (F12) (LRR K, L)   Tron-Manganese Masses (F12) (LRR K, L)   Very Shallow Dark Surface (F12)   Depleted Matrix (F2)   Depleted Dark Surface (F12)   Trinck Dark Surface (A12)   Trinck Dark Surface										
Hydric Soil Indicators:   Sandy Gleyed Matrix (S4)   Sandy Gleyed Matrix (S4)   Sandy Redox (S5)   Sandy Redox (S5)   Sandy Redox (S5)   Stripped Matrix (S4)   Dark Surface (S7) (LRR K, L)   Dark Surface (S7) (LRR K, L)   Stratified Layers (A5)   Loamy Mukey Mineral (F1)   Very Shallow Dark Surface (F12)   Chra K (LR K, L)   Dark Surface (S7) (LRR K, L)   Tron-Manganese Masses (F12) (LRR K, L)   Tron-Manganese Masses (F12) (LRR K, L)   Very Shallow Dark Surface (F12)   Depleted Matrix (F2)   Depleted Dark Surface (F12)   Trinck Dark Surface (A12)   Trinck Dark Surface										
Hydric Soil Indicators:   Sandy Gleyed Matrix (S4)   Sandy Gleyed Matrix (S4)   Sandy Redox (S5)   Sandy Redox (S5)   Sandy Redox (S5)   Stripped Matrix (S4)   Dark Surface (S7) (LRR K, L)   Dark Surface (S7) (LRR K, L)   Stratified Layers (A5)   Loamy Mukey Mineral (F1)   Very Shallow Dark Surface (F12)   Chra K (LR K, L)   Dark Surface (S7) (LRR K, L)   Tron-Manganese Masses (F12) (LRR K, L)   Tron-Manganese Masses (F12) (LRR K, L)   Very Shallow Dark Surface (F12)   Depleted Matrix (F2)   Depleted Dark Surface (F12)   Trinck Dark Surface (A12)   Trinck Dark Surface										
Hydric Soil Indicators:   Sandy Gleyed Matrix (S4)   Sandy Gleyed Matrix (S4)   Sandy Redox (S5)   Sandy Redox (S5)   Sandy Redox (S5)   Stripped Matrix (S4)   Dark Surface (S7) (LRR K, L)   Dark Surface (S7) (LRR K, L)   Stratified Layers (A5)   Loamy Mukey Mineral (F1)   Very Shallow Dark Surface (F12)   Chra K (LR K, L)   Dark Surface (S7) (LRR K, L)   Tron-Manganese Masses (F12) (LRR K, L)   Tron-Manganese Masses (F12) (LRR K, L)   Very Shallow Dark Surface (F12)   Depleted Matrix (F2)   Depleted Dark Surface (F12)   Trinck Dark Surface (A12)   Trinck Dark Surface	*T. m a. C. C	`anaantratian D	Donloti	ion DM Dod	uaad Matris	. MC N	Applied C	Sand Crains	**I agatian: DI Dara I	ining M. Matrix
Histso (A1) Sandy Redox (S5) Dark Surface (A16) (LRR K, L, R)  Black Histic (A3) Stripped Matrix (S6) Iron-Manganese Masses (F12) (LRR K, L)  Hydrogen Sulfide (A4) X Loamy Mucky Mineral (F1) Depleted Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)  Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Person (Passes) Primary Indicators of hydrophytic vegetation and weltand hydrology must be present, unless disturbed or problematic  Restrictive Layer (if observed):  Type: Hydric soil present? Y  Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  X Surface Water (A1) Aquatic Fauna (B13) Secondary Indicators (minimum of two required)  X Surface Water (A1) Aquatic Fauna (B13) Surface (G10) Dry-Season Water Table (A2) True Aquatic Plants (B14) Surface (G10) Dry-Season Water Table (A2) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Craylish Burrows (C8) Saturation (A3) Presence of Reduced Iron (C4) Sunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils Sunted or Stressed Plants (D1) Sparsely Vegetated Concave Surface (B8) Water-Stained Leaves (B9) Other (Explain in Remarks)  Field Observations:  Surface water present? Yes X No Depth (inches): ENTIRE Indicators of wetland hydrology present? Y  Indicators of hydrophytic vegetation (A11) Yes of the (explain in remarks)  Coast Prainie Redox (A16) (Iron Hydrophytic vegetated Concave Surface (B8) Water-Table (A2) Surface (F7)  Hydric soil present? Yes X No Depth (inches): ENTIRE Indicators of wetland hydrology present? Y  Indicators of hydrophytic vegetated Concave Surface (B8) Water Table (C2) Traylish Burrows (C6) Surface (C7)			= Depleti	ion, Rivi = Red	uced Matrix	K, IVIS = IV	viasked S			
Histic Epipedon (A2)  Black Histic (A3)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)  Depleted Matrix (F2)  Depleted Matrix (F2)  Depleted Matrix (F2)  Depleted Matrix (F3)  Thick Dark Surface (A12)  Depleted Below Dark Surface (A11)  Sandy Mucky Mineral (F1)  Depleted Below Dark Surface (F7)  Sandy Mucky Mineral (F2)  Depleted Matrix (F2)  Depleted Matrix (F2)  Depleted Matrix (F3)  Thick Dark Surface (A12)  Depleted Dark Surface (F6)  Thick Dark Surface (A12)  Sediment Davis (F3)  Water Marks (B1)  Saturation (A3)  Hydrogen Sulfide Odor (C1)  Agald that Crust (B4)  Indicators of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic  Hydric soil present?  Hydric soil present?  Hydric soil present?  Hydric soil present?  Y  Secondary Indicators (minimum of two required)  Surface Soil Cracks (B6)  Surface Soil Cracks (B6)  Surface Soil Cracks (B6)  X Surface Water (A1)  Dry-Season Water Table (C2)  Sediment Deposits (B3)  Presence of Reduced Iron (C4)  Suntand Or Crust (B4)  Iron-Deposits (B3)  Presence of Reduced Iron (C4)  Sparsely Vegetated Concave Surface (B8)  Depth (inches):  Surface water present?  Yes X No Depth (inches):  Entitle Indicators of wetland hydrology present?  Y  Indicators of hydrophytic vegetation hydrology must be present, unless disturbed or problematic  Hydric soil present? Yes X No Depth (inches):  Entitle Indicators (minimum of two required)  Hydric soil present?  Yes X No Depth (inches):  Iron-Deposits (B3)  Depth (inches):  Iron-Deposits (B4)  Depth (inches):  Ir					Sandy Clay	ad Matrix	. (04)			
Black Histic (A3) Stripped Matrix (S6) Iron-Manganese Masses (F12) (LRR K, L, R) Hydrogen Sulfide (A4) X Loamy Mucky Mineral (F1) Very Shallow Dark Surface (TF12) Under (A10) Depleted Below Dark Surface (A11) X Redox Dark Surface (F6) Thick Dark Surface (A11) X Redox Dark Surface (F6) Thick Dark Surface (A11) X Redox Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Indicators of hydrophytic vegetation and weltand hydrology must be present, unless disturbed or problematic Sestrictive Layer (if observed):  Type: Hydric soil present? Y  Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  X Surface Water (A1) Aquatic Fauna (B13) Secondary Indicators (minimum of two required)  X Surface Water (A1) Aquatic Fauna (B13) Surface Soil Cracks (B6) Y True Aquatic Plants (B14) Surface Soil Cracks (B6) Y True Aquatic Plants (B14) Surface Soil Cracks (B6) Surface Water Marks (B1) Society Mater Marks (B1) Surface Mater (A1) Surface (A1)							((54)			K K, L, K)
Hydrogen Sulfide (A4) Stratified Layers (A5) Loamy Mucky Mineral (F1) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Depleted Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Some Mucky Muchy Muc					•	. ,				(IRRKIR)
Stratified Layers (A5)		, ,	1\			, ,	ol (E1)			
2 cm Muck (A10)									· ·	12)
Depleted Below Dark Surface (A11)			)				. ,	Other (e	xpiairi iri remarks)	l
Thick Dark Surface (A12) Depleted Dark Surface (F7) Redox Depressions (F8) Problematic Sandy Mucky Mineral (S1) Redox Depressions (F8) Problematic Past (S3) Problematic Past (S4) Problematic Past (S5) Problematic Past (S		, ,	Surface		•	, ,				I
Sandy Mucky Mineral (S1) Redox Depressions (F8) hydrology must be present, unless disturbed or problematic  Restrictive Layer (if observed): Type:				· · ·			. ,	*Indicator	a of budrophytic vocatot	tion and waltand
Restrictive Layer (if observed): Type: Depth (inches): Remarks:  HYDROLOGY  Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) X Surface Water (A1) X Jurface Water (A1) X Surface Water (A1) X High Water Table (A2) X Surface Water (A1) X High Water Table (A2) X Surface Water (A1) X High Water Table (A2) X Surface Water (A1) X Surface Water (A1) X Surface Water (A1) X Surface Water (A1) X Surface Water Table (C2) Crayfish Burrows (C8) Crayfish Burrows (C8) X Surface Water Inon Reduction in Tilled Soils X Geomorphic Position (D2) X FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) X Sparsely Vegetated Concave Surface (B8) X Gauge or Well Data (D9) Water-Stained Leaves (B9)  Water-Stained Leaves (B9) Other (Explain in Remarks)  Field Observations: Surface water present? Yes X No Depth (inches): ENTIRE Indicators of wetland hydrology present? Y Hydrology present? Yes X No Depth (inches): ENTIRE Indicators of wetland hydrology present? Y (includes capillary fringe)  Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		,								
Restrictive Layer (if observed): Type: Depth (inches):  Remarks:  HYDROLOGY  Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of two required) X Surface Water (A1) X Surface Water (A2) X High Water Table (A2) X Saturation (A3) X Hydrogen Sulfide Odor (C1) X Saturation (A3) X Saturation (A3) X Secondary Indicators (minimum of two required) X Saturation (A3) X Secondary Indicators (minimum of two required) X Saturation (A3) X Secondary Indicators (minimum of two required) X Saturation (A3) X Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (C9) Shartsel (A4) X Geomorphic Position (D2) X Geomorphic Position (D2) X FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) X Geauge or Well Data (D9) Cher (Explain in Remarks) Field Observations: Surface water present? Yes X No Depth (inches): Saturation present? Yes X No Depth (inches): Saturation in Filled Saturation present? Yes X No Depth (inches): Saturation in Filled Saturation present? Yes X No Depth (inches): Saturation in Filled Saturation present? Yes X No Depth (inches): Saturation in Filled Saturation present? Yes X No Depth (inches): Saturation in Filled Saturation present? Yes X No Depth (inches): Saturation in Filled Saturation present? Yes X No Depth (inches): Saturation in Filled Saturation present? Yes X No Depth (inches): Saturation in Filled Soits Saturation in F		, ,	` '		redux Depi	63310113	(1 0)	riyardiog	•	ss disturbed of
Type:		-		·)					problematic	
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  X Surface Water (A1)  X High Water Table (A2)  Water Marks (B1)  Secondary Indicators (minimum of two required)  X Saturation (A3)  Hydrogen Sulfide Odor (C1)  Water Marks (B1)  Sediment Deposits (B2)  Sediment Deposits (B2)  Sediment Deposits (B3)  Presence of Reduced Iron (C4)  Algal Mat or Crust (B4)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  Water-Stained Leaves (B9)  Water Saturation Yison (B8)  Surface Soil Cracks (B6)  X Drintage Patterns (B10)  Dry-Season Water Table (C2)  Caylish Burrows (C8)  Saturation (Sible on Aerial Imagery (C9)  Stunted or Stressed Plants (D1)  X Geomorphic Position (D2)  X FAC-Neutral Test (D5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Gauge or Well Data (D9)  Water-Stained Leaves (B9)  Other (Explain in Remarks)  Field Observations:  Surface water present? Yes X No Depth (inches):  Surface water present? Yes X No Depth (inches):  Water table present? Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present? Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present? Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present? Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present? Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present? Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present? Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present? Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present? Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present? Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present? Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present? Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present? Yes X No Depth (inches):		Layer (if observe	ed):							
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  X Surface Water (A1)  X Drainage Patterns (B10)  X Saturation (A3)  Hydrogen Sulfide Odor (C1)  Dry-Season Water Table (C2)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Presence of Reduced Iron (C4)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  Tini Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  Thin Muck Surface (C7)  Sparsely Presence (P8)  Water (Explain in Remarks)  Field Observations:  Surface water present?  Yes X No Depth (inches):  Water table present?  Yes X No Depth (inches):  ENTIRE  Indicators of wetland  hydrology present?  Y  Mydrology present?  Y  Remarks:						_		Hydric soi	I present? Y	
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  X Surface Water (A1)  X Surface Water (A1)  X Surface Water (A2)  True Aquatic Fauna (B13)  X High Water Table (A2)  True Aquatic Plants (B14)  X Drainage Patterns (B10)  Dry-Season Water Table (C2)  Water Marks (B1)  Oxidized Rhizospheres on Living Roots  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Drift Deposits (B3)  Presence of Reduced Iron (C4)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  The Posting Remarks)  Field Observations:  Surface water present?  Yes X No Depth (inches):  Surface water present?  Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present?  Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present?  Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present?  Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present?  Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present?  Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present?  Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present?  Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present?  Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present?  Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present?  Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present?  Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present?  Yes X No Depth (inches):  ENTIRE  Indicators of wetland hydrology present?  Yes X No Depth (inches):	Depth (inche	es):				_				
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  X Surface Water (A1)  X High Water Table (A2)  Water Marks (B1)  Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Secondary Indicators (minimum of two required)  Surface Soil Cracks (B6)  Variange Patterns (B10)  Dry-Season Water Table (C2)  Saturation Visible on Aerial Imagery (C9)  Thin Muck Gurface (In (C4)  Suntate Or Stressed Plants (D1)  X Geomorphic Position (D2)  X FAC-Neutral Test (D5)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Gauge or Well Data (D9)  Other (Explain in Remarks)  Field Observations:  Surface Soil Cracks (B6)  True Aquatic Plants (B14)  True Aquatic Plants (B14)  N Drainage Patterns (B10)  To pry-Season Water Surface (S4)  Saturation Present? Yes X No Depth (inches): ENTIRE Indicators of wetland hydrology present? Y	Remarks:									
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  X Surface Water (A1)  X High Water Table (A2)  Water Marks (B1)  Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Secondary Indicators (minimum of two required)  Surface Soil Cracks (B6)  Variange Patterns (B10)  Dry-Season Water Table (C2)  Saturation Visible on Aerial Imagery (C9)  Thin Muck Gurface (In (C4)  Suntate Or Stressed Plants (D1)  X Geomorphic Position (D2)  X FAC-Neutral Test (D5)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Gauge or Well Data (D9)  Other (Explain in Remarks)  Field Observations:  Surface Soil Cracks (B6)  True Aquatic Plants (B14)  True Aquatic Plants (B14)  N Drainage Patterns (B10)  To pry-Season Water Surface (S4)  Saturation Present? Yes X No Depth (inches): ENTIRE Indicators of wetland hydrology present? Y										
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  X Surface Water (A1)  X High Water Table (A2)  Water Marks (B1)  Secondary Indicators (minimum of two required)  X Saturation (A3)  Water Marks (B1)  Dry-Season Water Table (C2)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Inon Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  Water Abla (Baser)  Water table present?  Yes X No Depth (inches):  Secondary Indicators (minimum of two required)  Surface Soil Cracks (B6)  X Drainage Patterns (B10)  Surface Soil Cracks (B6)  X Drainage Patterns (B10)  Surface Soil Cracks (B6)  X Drainage Patterns (B10)  Surface Soil Cracks (B6)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Stunted or Stressed Plants (D1)  X Geomorphic Position (D2)  X FAC-Neutral Test (D5)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  Other (Explain in Remarks)  Field Observations:  Surface Soil Cracks (B6)  Saturation Visible on Aerial Imagery (C9)  Trayfish Burrows (C8)  Saturation Patterns (C8)  Saturation Imagery (C9)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Gauge or Well Data (D9)  Other (Explain in Remarks)  Field Observations:  Surface Soil Cracks (B6)  Trayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Gauge or Well Data (D9)  Other (Explain in Remarks)  Field Observations:  Surface Soil Cracks (B6)  Saturation Visible on Aerial Imagery (C9)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Gauge or Well Data (D9)  Other (Explain in Remarks)  Field Observations:  Surface Soil Cracks (B6)  Saturation Visible on Aerial Imagery (B7)  Factorist Authorized Thanks (B10)  Surface Soil Cracks (B6)  Saturation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Su										
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  X Surface Water (A1)  X High Water Table (A2)  Water Marks (B1)  Secondary Indicators (minimum of two required)  X Saturation (A3)  Water Marks (B1)  Dry-Season Water Table (C2)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Inon Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  Water Abla (Baser)  Water table present?  Yes X No Depth (inches):  Secondary Indicators (minimum of two required)  Surface Soil Cracks (B6)  X Drainage Patterns (B10)  Surface Soil Cracks (B6)  X Drainage Patterns (B10)  Surface Soil Cracks (B6)  X Drainage Patterns (B10)  Surface Soil Cracks (B6)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Stunted or Stressed Plants (D1)  X Geomorphic Position (D2)  X FAC-Neutral Test (D5)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  Other (Explain in Remarks)  Field Observations:  Surface Soil Cracks (B6)  Saturation Visible on Aerial Imagery (C9)  Trayfish Burrows (C8)  Saturation Patterns (C8)  Saturation Imagery (C9)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Gauge or Well Data (D9)  Other (Explain in Remarks)  Field Observations:  Surface Soil Cracks (B6)  Trayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Gauge or Well Data (D9)  Other (Explain in Remarks)  Field Observations:  Surface Soil Cracks (B6)  Saturation Visible on Aerial Imagery (C9)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Gauge or Well Data (D9)  Other (Explain in Remarks)  Field Observations:  Surface Soil Cracks (B6)  Saturation Visible on Aerial Imagery (B7)  Factorist Authorized Thanks (B10)  Surface Soil Cracks (B6)  Saturation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Su										
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  X Surface Water (A1)  X High Water Table (A2)  Water Marks (B1)  Secondary Indicators (minimum of two required)  X Saturation (A3)  Water Marks (B1)  Dry-Season Water Table (C2)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Inon Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  Water Abla (Baser)  Water table present?  Yes X No Depth (inches):  Secondary Indicators (minimum of two required)  Surface Soil Cracks (B6)  X Drainage Patterns (B10)  Surface Soil Cracks (B6)  X Drainage Patterns (B10)  Surface Soil Cracks (B6)  X Drainage Patterns (B10)  Surface Soil Cracks (B6)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Stunted or Stressed Plants (D1)  X Geomorphic Position (D2)  X FAC-Neutral Test (D5)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  Other (Explain in Remarks)  Field Observations:  Surface Soil Cracks (B6)  Saturation Visible on Aerial Imagery (C9)  Trayfish Burrows (C8)  Saturation Patterns (C8)  Saturation Imagery (C9)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Gauge or Well Data (D9)  Other (Explain in Remarks)  Field Observations:  Surface Soil Cracks (B6)  Trayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Gauge or Well Data (D9)  Other (Explain in Remarks)  Field Observations:  Surface Soil Cracks (B6)  Saturation Visible on Aerial Imagery (C9)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Gauge or Well Data (D9)  Other (Explain in Remarks)  Field Observations:  Surface Soil Cracks (B6)  Saturation Visible on Aerial Imagery (B7)  Factorist Authorized Thanks (B10)  Surface Soil Cracks (B6)  Saturation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Su										
Primary Indicators (minimum of one is required; check all that apply)  X Surface Water (A1)  X High Water Table (A2)  X Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  Field Observations:  Surface Water (A1)  Aquatic Fauna (B13)  Surface Soil Cracks (B6)  X Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Stunted or Stressed Plants (D1)  X Geomorphic Position (D2)  X FAC-Neutral Test (D5)  Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  Other (Explain in Remarks)  Field Observations:  Surface water present?  Yes X No Depth (inches):  Surface water fringe)  Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:	HYDROLO	OGY								
X Surface Water (A1) Aquatic Fauna (B13) X High Water Table (A2) X Saturation (A3) Adjoint Fauna (B14) X Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Algal Mat or Crust (B4) Algal Mat or Crust (B4) Algal Mat or Crust (B4) Algal Mat or Crust (B5) Algal Mat or Crust (B6) Algal M	Wetland Hy	drology Indicate	ors:							
X Surface Water (A1) Aquatic Fauna (B13) X High Water Table (A2) X Saturation (A3) Adjoint Fauna (B14) X Drainage Patterns (B10) Dry-Season Water Table (C2) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Algal Mat or Crust (B4) Algal Mat or Crust (B4) Algal Mat or Crust (B4) Algal Mat or Crust (B5) Algal Mat or Crust (B6) Algal M	Primary Indi	cators (minimum	of one is	required; chec	ck all that a	pply)		Secor	ndary Indicators (minimu	um of two required)
X High Water Table (A2)	X Surface	Water (A1)			Aquatic	Fauna (B	313)			· ·
X Saturation (A3)		` '		_		,	,	X	, ,	
Sediment Deposits (B2) (C3) Saturation Visible on Aerial Imagery (C9)  Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)  Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) X FAC-Neutral Test (D5)  Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Sparsely Vegetated Concave Surface (B8) Gauge or Well Data (D9)  Water-Stained Leaves (B9) Other (Explain in Remarks)  Field Observations: Surface water present? Yes X No Depth (inches): 6" Water table present? Yes X No Depth (inches): ENTIRE Saturation present? Yes X No Depth (inches): ENTIRE (Indicators of wetland hydrology present? Yes (includes capillary fringe)  Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	X Saturation	on (A3)		_	Hydroge	en Sulfide	Odor (C1	1)	Dry-Season Water Table	e (C2)
Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  Field Observations:  Surface water present?  Water table present?  Yes X No Depth (inches):  Saturation present?  Yes X No Depth (inches):  Saturation present?  Yes X No Depth (inches):  Saturation present?  Yes X No Depth (inches):  Selection in Tilled Soils X Geomorphic Position (D2)  FAC-Neutral Test (D5)  Thin Muck Surface (C7)  Gauge or Well Data (D9)  Other (Explain in Remarks)  Field Observations:  Surface water present?  Yes X No Depth (inches):  Selection in Tilled Soils X Geomorphic Position (D2)  FAC-Neutral Test (D5)  Indicators (D5)  Indicators of wetland by drology present?  Yes X No Depth (inches):  Indicators of wetland by drology present?  Yes (includes capillary fringe)  Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:	Water M	arks (B1)		_	Oxidized	d Rhizosp	heres on	Living Roots	Crayfish Burrows (C8)	
Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  Field Observations:  Surface water present?  Water table present?  Yes X No Depth (inches):  Saturation present?  Indicators of wetland hydrology present?  Yes X No Depth (inches):  Saturation prese	Sedimer	t Deposits (B2)			(C3)				Saturation Visible on Aer	rial Imagery (C9)
Iron Deposits (B5) (C6) X FAC-Neutral Test (D5)  Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7)  Sparsely Vegetated Concave Surface (B8) Gauge or Well Data (D9)  Water-Stained Leaves (B9) Other (Explain in Remarks)  Field Observations:  Surface water present? Yes X No Depth (inches): 6"  Water table present? Yes X No Depth (inches): ENTIRE And And And Andrews (Includes capillary fringe)  Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		, ,			Presenc	e of Redu	uced Iron			
Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Water-Stained Leaves (B9) Other (Explain in Remarks)  Field Observations: Surface water present? Water table present? Yes X No Depth (inches): ENTIRE Indicators of wetland Saturation present? Yes X No Depth (inches): ENTIRE Indicators of wetland hydrology present? Yes X No Depth (inches): ENTIRE Indicators of wetland hydrology present? Yes Cincludes capillary fringe)  Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:						Iron Redu	action in T			2)
Sparsely Vegetated Concave Surface (B8)  Water-Stained Leaves (B9)  Other (Explain in Remarks)  Field Observations:  Surface water present? Yes X No Depth (inches): 6"  Water table present? Yes X No Depth (inches): ENTIRE Indicators of wetland hydrology present? Yes X No Depth (inches): ENTIRE hydrology present? Yes X No Depth (inches): ENTIRE hydrology present? Yes includes capillary fringe)  Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:		, ,						X	FAC-Neutral Test (D5)	
Water-Stained Leaves (B9)  Other (Explain in Remarks)  Field Observations:  Surface water present? Yes X No Depth (inches): 6"  Water table present? Yes X No Depth (inches): ENTIRE Indicators of wetland hydrology present? Yes X No Depth (inches): ENTIRE hydrology present? Yes includes capillary fringe)  Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:				_						
Field Observations:  Surface water present? Yes X No Depth (inches): 6"  Water table present? Yes X No Depth (inches): ENTIRE  Saturation present? Yes X No Depth (inches): ENTIRE  (includes capillary fringe)  Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:		•		ce (B8)				`		
Surface water present? Yes X No Depth (inches): 6" Water table present? Yes X No Depth (inches): ENTIRE Saturation present? Yes X No Depth (inches): ENTIRE hydrology present? Y  (includes capillary fringe)  Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:		,	)	_	Other (E	xpiain in	Remarks	)		
Water table present? Yes X No Depth (inches): ENTIRE Indicators of wetland hydrology present? Yes X No Depth (inches): ENTIRE hydrology present? Y (includes capillary fringe)  Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:						D		6"		
Saturation present? Yes X No Depth (inches): ENTIRE hydrology present? Y (includes capillary fringe)  Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:									Indiantars of	lond
(includes capillary fringe)  Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:							-			
Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks:			res	NO		- Deptri (I	inches).	CIVITKE	nyurology prese	#IIL! <u> </u>
Remarks:				o monitorio:	الماسم المر	hote -		apportion = \ 'f - '	silahla.	
	Describe red	Describe recorded data (stream gauge, monitoring well, aerial priotos, previous inspections), il available:								
	Remarks:									
boggy area water in low spots		ea-water in lov	v snots							
	Doggy al	ca water iii i0V	v spois							

Project/Site Matt Talbot CBRF Franklin	City/	County:	Franklin/Milw	aukee S	Sampling Date:	10-21-14
Applicant/Owner: Matt Talbot Recovery Services, Inc.	). 	State:	WI	s	Sampling Point:	8-UP
Investigator(s): Grant Duchac		Sect	ion, Townshi	p, Range:	Sec 21,	T5N, R21E
Landform (hillslope, terrace, etc.): Hillslope	pe	Local	relief (concav	e, convex,	none):	
Slope (%): 2 Lat:		Long:			Datum:	
Soil Map Unit Name MzdB2			VWI (	Classification	on:	None
Are climatic/hydrologic conditions of the site typical for	this time o	of the year?	Y (I	If no, explai	n in remarks)	
Are vegetation , soil , or hydrolo	gy	significant	ly disturbed?		Are "normal circun	nstances"
Are vegetation , soil , or hydrological , or hyd			roblematic?	,	are mornial ellean	present? Yes
SUMMARY OF FINDINGS				(If neede	d, explain any ans	swers in remarks.)
Hydrophytic vegetation present? N						
Hydric soil present? N		Is the	sampled are	a within a	wetland?	N
Indicators of wetland hydrology present?		f yes, o	ptional wetlar	nd site ID:		
Remarks: (Explain alternative procedures here or in a s	enarate r	enort )		_		
Themains. (Explain alternative procedures here of in a s	eparate it	<del>-</del> port.)				
VECETATION Line acientific names of plants						
<b>VEGETATION</b> Use scientific names of plants	Absolute	Dominan	Indicator	Dominar	nce Test Worksh	eet
	% Cover		Staus		of Dominant Specie	
1 Crataegus mollis	60	Υ	FAC		BL, FACW, or FAC	
2 Fraxinus americana	20	Y	FACU		Number of Dominar	``
3				Speci	es Across all Strata	a: 5 (B)
4				Percent of	of Dominant Specie	s
5				that are O	BL, FACW, or FAC	C: 40.00% (A/B)
- I (OL )	80	= Total Cove	er			
Sapling/Shrub stratum (Plot size: 30'R )  1 rhamnus cathartica	75	V	FAC	Total % (	nce Index Works	neet
2 Ionicera x bella	75 20	- <del>Y</del>	FACU	OBL spe		1 = 0
3			TACO	FACW sp		2 = 0
4				FAC spe		
5				FACU sp	pecies 90 x	4 = 360
	95	= Total Cove	er	UPL spe	cies 0 x	5 = 0
Herb stratum (Plot size: 5'R )				Column t	totals 225 (A	765 (B)
1 parthenocissus quinquefolia	50	Υ	FACU	Prevalen	ce Index = B/A =	3.40
2						
3					nytic Vegetation I	
-				l ——	d test for hydroph inance test is >50	, ,
- 6					alence index is ≤3	
7					hogical adaptatio	
8		. —			orting data in Rer	
9					rate sheet)	
10				Prob	lematic hydrophyt	ic vegetation*
_	50	= Total Cove	er	(expl	lain)	
Woody vine stratum (Plot size: 30'R )						etland hydrology must be
1					resent, unless disturbe	ed or problematic
2	0	= Total Cove		_	etation	
	U	= TOTAL COVE	<del>)</del>	_	ent? N	
Remarks: (Include photo numbers here or on a separat	e sheet)					<del>-</del>
	,					

SOIL Sampling Point: 8-UP

Profile Desc	cription: (Descr	be to th	e depth needed	to docu	ment the	e indicat	or or confirm the abs	ence of indicators.)		
Depth Matrix Redox Features										
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**	Texture	Remarks		
0-14"	10 YR 3/1	100								
14-20"+	10YR 5/1	90	10 YR 5/8	10	С	М	CLAY			
								+		
*Typo: C = 0	Concentration, D :	- Donloti	on PM – Poduce	nd Matrix	. MS – N	lackad S	Cand Grains **Log	ation: PL = Pore Lining, M = Matrix		
	il Indicators:	= Depleti	on, Rivi = Reduce	eu mainx	i, IVIO = IV	laskeu S		bblematic Hydric Soils:		
_	isol (A1)		San	dy Glave	ed Matrix	(84)		Redox (A16) (LRR K, L, R)		
	ic Epipedon (A2)			idy Gleyo idy Redo		(34)		(S7) (LRR K, L)		
	ck Histic (A3)			oped Ma	. ,			se Masses (F12) (LRR K, L, R)		
	rogen Sulfide (A	1)			ky Minera	al (F1)		Dark Surface (TF12)		
	tified Layers (A5)			-	ed Matrix	. ,	Other (explain			
	n Muck (A10)	'			atrix (F3)		Other (explain	in remarks)		
	leted Below Dark	Surface			Surface			ı		
	k Dark Surface (		· · · · · · · · · · · · · · · · · · ·		ark Surfa	` '	*Indicators of b	ydrophytic vegetation and weltand		
	dy Mucky Minera	,			essions (			st be present, unless disturbed or		
	n Mucky Peat or	` ,		iox Dopi	03310113	(10)	nyarology mas	problematic		
			,					problematic		
	Layer (if observe	ed):						10		
Type:					•		Hydric soil pres	sent? N		
Depth (inche	es):									
Remarks:										
HYDROLO	)GY									
Wetland Hy	drology Indicate	rs:								
Primary Indi	cators (minimum	of one is	required: check	all that a	(vlaa		Secondary	Indicators (minimum of two required)		
	Water (A1)		- 1 ,		Fauna (B	13)		ce Soil Cracks (B6)		
	ter Table (A2)				uatic Plar			age Patterns (B10)		
Saturation	` ,					Odor (C		eason Water Table (C2)		
	arks (B1)						<u> </u>	sh Burrows (C8)		
Sedimer	t Deposits (B2)			(C3)				ation Visible on Aerial Imagery (C9)		
Drift Dep	osits (B3)			Presenc	e of Redu	uced Iron	(C4) Stunte	ed or Stressed Plants (D1)		
Algal Ma	t or Crust (B4)			Recent I	ron Redu	ction in T		orphic Position (D2)		
	osits (B5)			(C6)			FAC-I	Neutral Test (D5)		
	on Visible on Aeria				ck Surfac					
	Vegetated Conca		ce (B8)		or Well Da					
	ained Leaves (B9	)		Other (E	xplain in	Remarks	)			
Field Obser										
Surface water		Yes	No No	X	Depth (i			In diameters of the district		
Water table		Yes	No	X	Depth (i			Indicators of wetland		
	turation present? Yes No X Depth (inches): hydrology present? N cludes capillary fringe)									
Describe rec	Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:									
Remarks:										
	la linalana ef	wotle = -	1.1.0'							
ווטוץ צוט ן	le. Upslope of	welland	1 1-2							

Project/Site Matt Talbot CBRF Franklin	City/C	County: F	ranklin/Milwa	aukee Sar	mpling Date:	10-21-14
Applicant/Owner: Matt Talbot Recovery Services, Inc.	_	State:	WI	San	mpling Point:	9-WET
Investigator(s): Grant Duchac		Section	on, Township	o, Range:	Sec 21, 7	Γ5N, R21E
Landform (hillslope, terrace, etc.): Low pocket fresh	meadow	Local re	elief (concav	e, convex, no	ne):	Concave
Slope (%): 0 Lat:		Long:		Dat	tum:	
Soil Map Unit Name ASA			NWI C	Classification:		E2H
Are climatic/hydrologic conditions of the site typical for thi	is time of	the year?	Y (II	f no, explain i	n remarks)	
Are vegetation , soil , or hydrology	/	significantly	disturbed?	Are	"normal circum	stances"
Are vegetation , soil , or hydrology		naturally pro	oblematic?	, •		present? Yes
SUMMARY OF FINDINGS				(If needed,	explain any ans	wers in remarks.)
Hydrophytic vegetation present? Y						
Hydric soil present? Y		Is the s	ampled area	a within a we	tland?	Υ
Indicators of wetland hydrology present? Y		f yes, op	tional wetlan	d site ID:		
Remarks: (Explain alternative procedures here or in a sep	narate re	nort )				
Tremains. (Explain alternative procedures here of in a sec	parate re	port.)				
VEGETATION Use scientific names of plants.						
·	bsolute	Dominan	Indicator	Dominance	e Test Workshe	net .
		t Species	Staus		Dominant Species	
1 salix nigra	30	Υ	OBL		., FACW, or FAC:	
2				Total Nur	nber of Dominant	
3				Species	Across all Strata:	3 (B)
4					Dominant Species	
5		<del></del>		that are OBL	, FACW, or FAC:	100.00% (A/B)
Sapling/Shrub stratum (Plot size: 30'R )	30 =	Total Cover		Drovolonos	e Index Worksh	oot
Sapling/Shrub stratum (Plot size: 30'R )				Total % Co		eet
				OBL specie		= 55
3				FACW spec		120
4				FAC specie	es <u>5</u> x 3	15
5				FACU spec		
	0 =	Total Cover	•	UPL specie		
Herb stratum (Plot size: 5'R )				Column tota		<del></del> ` '
1 phalaris arundinacea	60	<u>Y</u>	FACW	Prevalence	Index = B/A =	1.58
Typha angustifolia     Symphyotrichum lanceolatum	<u>25</u> 5	<u>Y</u> N	OBL FAC	Hydronbyt	ic Vegetation Ir	adicators:
4			<u> </u>		est for hydrophy	
5					ance test is >50%	-
6				X Prevale	ence index is ≤3.	0*
7				Morpho	gical adaptation	ıs* (provide
8					ting data in Rem	arks or on a
9					te sheet)	
10	90 =	Total Cover		Probler (explair	natic hydrophytio	c vegetation*
Woody vine stratum (Plot size: 30'R )	90 =	Total Covel		<del></del> ` ·	•	
1					of hydric soil and we ent, unless disturbe	tland hydrology must be d or problematic
2				Hydrop		<u> </u>
	0 =	Total Cover		vegeta		
				presen	t? Y	-
Remarks: (Include photo numbers here or on a separate	sheet)					
1						

SOIL Sampling Point: 9-WET

Profile Desc	cription: (Descr	ibe to th	e depth r	eeded	to docu	ment the	e indicat	or or confirm th	e absence	of indicators.)
Depth	<u>Matrix</u>			Re	dox Feat	<u>ures</u>				
(Inches)	Color (moist)	%	Color (r	noist)	%	Type*	Loc**	Texture		Remarks
0-18"	N2.5	100						MUCK		Some clay lower
										,
± <b>T</b> 0 6		<b>.</b>	514	<b>D</b> 1	1.54 4 :	140 1			***	51 B 111 M M
	Concentration, D :	= Depleti	on, RIVI =	Reduc	ed Matrix	x, MS = N	/lasked S			PL = Pore Lining, M = Matrix
_	il Indicators:			0			(0.4)			atic Hydric Soils:
	isol (A1)		_		ndy Gleye		((54)			( (A16) ( <b>LRR K, L, R</b> )
	ic Epipedon (A2)		_		ndy Redo	. ,			ırface (S7) (	asses (F12) (LRR K, L, R)
	ck Histic (A3)	4)	_		pped Ma	. ,	(=4)		-	
	rogen Sulfide (A4		_		my Mucl	-				Surface (TF12)
	tified Layers (A5)	)	_		my Gley			Other (e	explain in rei	marks)
	n Muck (A10)	0 (-	(444)		oleted Ma	, ,				1
	leted Below Dark		(ATT) _		dox Dark		. ,			
	ck Dark Surface (	,	_		oleted Da					nytic vegetation and weltand
	dy Mucky Minera	. ,	, <u> </u>	Red	dox Depr	essions (	(F8)	nyarolog		resent, unless disturbed or
5 cr	n Mucky Peat or	Peat (53	)						pro	oblematic
Restrictive	Layer (if observe	ed):								
Туре:						-		Hydric so	il present?	Y
Depth (inche	es):					•				
Remarks:										
HYDROLO	GY									
	drology Indicate	ors.								
	cators (minimum		roguirod	obook	all that a	nnlu)		0		
		or one is	requirea,	CHECK			40)	Secor	-	tors (minimum of two required)
X Surface	, ,					Fauna (B			_	l Cracks (B6) atterns (B10)
X Saturation	ter Table (A2)					uatic Plar	Odor (C		_	Water Table (C2)
	arks (B1)							Living Roots	Crayfish Bu	
	t Deposits (B2)				(C3)	rttiizosp	110103 011			/isible on Aerial Imagery (C9)
	osits (B3)					e of Redu	uced Iron	(C4)	-	Stressed Plants (D1)
	t or Crust (B4)				-				-	Position (D2)
	osits (B5)				(C6)				FAC-Neutra	
	on Visible on Aeria	l Imager	/ (B7)		• ` ′	ck Surfac	e (C7)		•	
	Vegetated Conca				Gauge o	r Well Da	ata (D9)			
Water-St	ained Leaves (B9	)			Other (E	xplain in	Remarks	)		
Field Obser	vations:				•					
Surface water		Yes	Χ	No		Depth (i	nches):	6"+ (Middle)		
Water table		Yes	X	No		Depth (i		ENTIRE	Indica	ators of wetland
Saturation p	resent?	Yes	X	No		Depth (i		ENTIRE	hydr	ology present? Y
(includes ca	oillary fringe)					·			<u> </u>	
Describe rec	orded data (strea	am gaug	e, monitor	ing wel	l, aerial c	hotos, p	revious ii	nspections), if ava	ailable:	
	,	5 5		-		, ı		. ,,		
Remarks:										
Cattails i	n middle of lar	ge wetla	and com	olex, r	eed car	nary & n	ninimal	brush around p	perimeter.	

Project/Site Matt Talbot CBRF Franklin	City/0	County: F	ranklin/Milw	aukee S	Sampling Date:	10-21-14
Applicant/Owner: Matt Talbot Recovery Services, Inc.	_	State:	WI	S	ampling Point:	10-UP
Investigator(s): Grant Duchac		Secti	on, Township	p, Range:	Sec 21,	T5N, R21E
Landform (hillslope, terrace, etc.):		Local r	elief (concav	e, convex, i	none):	
Slope (%): 4 Lat:		Long:			oatum:	
Soil Map Unit Name ASA/BiA			NWI (	Classificatio	n:	None
Are climatic/hydrologic conditions of the site typical for th	nis time o	of the year?	Y (I	f no, explair	n in remarks)	
Are vegetation , soil , or hydrology	у	significantly	disturbed?	A	re "normal circum	nstances"
Are vegetation, soil, or hydrology	у	naturally pr	oblematic?	•		present? Yes
SUMMARY OF FINDINGS				(If needed	d, explain any ans	swers in remarks.)
Hydrophytic vegetation present? N						
Hydric soil present? N		Is the s	ampled area	a within a v	vetland?	N
Indicators of wetland hydrology present?		f yes, op	tional wetlan	nd site ID:		
Remarks: (Explain alternative procedures here or in a se	narate re	enort )				
Themans. (Explain alternative procedures here of in a se	paratere	sport.)				
VECETATION Lies exientific names of plants						
<b>VEGETATION</b> Use scientific names of plants.		Dominon	Indicator	Dominan	ce Test Worksh	oot
	bsolute 6 Cover	Dominan t Species	Indicator Staus		f Dominant Specie	
1 Crataegus mollis	60	Y	FAC		BL, FACW, or FAC	
2					umber of Dominar	```
3					es Across all Strata	
4				Percent of	f Dominant Specie	s
5				that are Of	BL, FACW, or FAC	: 40.00% (A/B)
	60	= Total Cove	r		<del></del>	
Sapling/Shrub stratum (Plot size: 30'R )	75	V	E40		ce Index Worksh	neet
1 rhamnus cathartica 2 lonicera x bella	75 25	<u>Y</u> Y	FACU	Total % C		1 = 0
3			1700	FACW sp		2 = 0
4				FAC spec		
5				FACU spe		4 = 340
	100	= Total Cove	r	UPL spec	cies 0 x 5	5 = 0
Herb stratum (Plot size: 5'R )				Column to	otals 230 (A	775 (B)
1 parthenocissus quinquefolia	40	<u> </u>	FACU	Prevalend	ce Index = B/A =	3.37
2 glechoma hederacea	20	<u> </u>	FACU			
3 rhamnus cathartica	10	N	FAC		ytic Vegetation I	
4					d test for hydrophy nance test is >50°	<del>-</del>
5					alence index is ≤3	
7						
8					hogical adaptatio orting data in Ren	
9					rate sheet)	
10				Probl	ematic hydrophyt	ic vegetation*
	70	= Total Cove	r	(expla	ain)	
Woody vine stratum (Plot size: 30'R )						etland hydrology must be
1					esent, unless disturbe	ed or problematic
2		Tatal Caus		-	ophytic tation	
	0	= Total Cove	r	prese		
Remarks: (Include photo numbers here or on a separate	sheet)			-		_
Dense buckthorn in uplands of site.	011001)					
Derive businers in apianae or one.						

SOIL Sampling Point: 10-UP

Profile Desc	cription: (Descr	ibe to th	e depth needed	to docu	ment the	e indicat	or or confirm the	absence of indicators.	)	
Depth	Matrix		Red	lox Feat	<u>ures</u>				-	
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**	Texture	Ren	narks	
0-10"	10 YR 2/1	100					SL			
10-14"	10 YR 2/1	80					SL			
10 11	10 YR 4/4						02			
		20								
14-24"	10 YR 4/4	90	7.5 YR 5/8	10	С	М	CLAY			
		= Depleti	on, RM = Reduce	ed Matrix	I, MS = I	lasked S		Location: PL = Pore Lin		
	il Indicators:		_					r Problematic Hydric S		
	isol (A1)				ed Matrix	(S4)		airie Redox (A16) (LRR	K, L, R)	
	ic Epipedon (A2)			dy Redo				ace (S7) (LRR K, L)		
	ck Histic (A3)			oped Ma				ganese Masses (F12) ( <b>L</b>	•	
	rogen Sulfide (A4	•		-	ky Minera			llow Dark Surface (TF12	2)	
	tified Layers (A5)	)			ed Matrix		Other (ex	plain in remarks)		
	n Muck (A10)			leted Ma	atrix (F3)					
Dep	leted Below Dark	Surface	(A11) Rec	lox Dark	Surface	(F6)				
Thic	k Dark Surface (	A12)	Dep	leted Da	ark Surfa	ce (F7)	*Indicators	of hydrophytic vegetation	n and weltand	
San	dy Mucky Minera	ıl (S1)	Red	lox Depr	essions (	(F8)	hydrology	must be present, unless	s disturbed or	
5 cr	n Mucky Peat or	Peat (S3	)					problematic		
Restrictive	Layer (if observe	eq).								
Type:	Layer (ii execit)	Juj.					Hydric soil	present? N		
Depth (inche	·6).				•		Tiyano son	present: 11		
· · · · · · · · · · · · · · · · · · ·										
Remarks:										
HYDROLO										
Wetland Hy	drology Indicate	ors:								
Primary Indi	cators (minimum	of one is	required; check	all that a	pply)		Second	dary Indicators (minimun	n of two required)	
Surface	Water (A1)			Aquatic	Fauna (B	13)	5	Surface Soil Cracks (B6)		
High Wa	ter Table (A2)			True Aq	uatic Plar	nts (B14)	<del></del> [	Orainage Patterns (B10)		
Saturation	on (A3)			Hydroge	n Sulfide	Odor (C1	I)	Ory-Season Water Table (	C2)	
Water M	arks (B1)			Oxidized	l Rhizosp	heres on	Living Roots (	Crayfish Burrows (C8)		
Sedimer	t Deposits (B2)			(C3)			<del></del>	Saturation Visible on Aeria	I Imagery (C9)	
Drift Dep	osits (B3)			Presenc	e of Redu	iced Iron	(C4) = 5	Stunted or Stressed Plants	s (D1)	
Algal Ma	t or Crust (B4)			Recent I	ron Redu	ction in T	illed Soils (	Seomorphic Position (D2)		
Iron Dep	osits (B5)			(C6)			F	AC-Neutral Test (D5)		
Inundation	on Visible on Aeria	l Imagery	/ (B7)	Thin Mu	ck Surfac	e (C7)	·			
Sparsely	Vegetated Conca	ve Surfa	ce (B8)	Gauge of	or Well Da	ata (D9)				
Water-St	ained Leaves (B9	)		Other (E	xplain in	Remarks	)			
Field Obser	vations:									
Surface water	er present?	Yes	No	Χ	Depth (i	nches):				
Water table	•	Yes	No	Х	Depth (i			Indicators of wetla	ınd	
Saturation p	resent?	Yes	No	Х	Depth (i	nches):		hydrology presen	t? N	
(includes ca	oillary fringe)				- 					
Describe rec	orded data (strea	am gaug	e, monitoring well	, aerial p	hotos, p	revious ir	nspections), if avai	lable:		
	•		-	·	•		•			
Remarks:										
Dry profi	e, 1-2' higher t	han we	tland.							

Project/Site Matt Talbot CBRF Franklin	City/	County:	Franklin/Milw	vaukee	Sampling Date:	10-21-14
Applicant/Owner: Matt Talbot Recovery Services, Inc	D.	State:	WI		Sampling Point:	11-WET
Investigator(s): Grant Duchac		Sect	ion, Townshi	ip, Range:	Sec 21, <sup>-</sup>	Г5N, R21E
Landform (hillslope, terrace, etc.): Flat - slight	t slope	Local	relief (concav	ve, convex	, none):	
Slope (%): 1 Lat:		Long:			Datum:	
Soil Map Unit Name ASA			NWI (	Classificati	ion:	E2H
Are climatic/hydrologic conditions of the site typical for	this time c	of the year?	Y (I	If no, expla	ain in remarks)	
Are vegetation , soil , or hydrolo	gy	significantl	y disturbed?		Are "normal circum	stances"
Are vegetation , soil , or hydrolo	gy	naturally p	roblematic?			present? Yes
SUMMARY OF FINDINGS				(If need	ed, explain any ans	wers in remarks.)
Hydrophytic vegetation present? Y						
Hydric soil present? Y		Is the	sampled are	a within a	wetland?	Υ
Indicators of wetland hydrology present? Y		f yes, o	ptional wetlar	nd site ID:		
Remarks: (Explain alternative procedures here or in a s	senarate r	enort )		•		
Tremands. (Explain alternative procedures here of in a c	ocparate it	сроп.,				
VECETATION Lies esigntific nomes of plants						
<b>VEGETATION</b> Use scientific names of plants	Absolute	Dominan	Indicator	Domina	ance Test Workshe	not .
	% Cover		Staus		of Dominant Species	
1 salix nigra	10	Y	OBL		OBL, FACW, or FAC	
2					Number of Dominan	``
3				Spec	cies Across all Strata	: 5 (B)
4				Percent	of Dominant Species	3
5				that are 0	OBL, FACW, or FAC	: 100.00% (A/B)
Ocalica (Olas Latartas (Plateiras 2019)	10	= Total Cove	er			
Sapling/Shrub stratum (Plot size: 30'R )  1 cornus alba	50	Υ	FACW		ence Index Worksh Cover of:	eet
2	50		FACW	OBL spe		= 25
3				1	species 105 x 2	
4				FAC spe	· —	
5				FACU s	pecies 0 x 4	l = 0
	50	= Total Cove	er	UPL spe		
Herb stratum (Plot size: 5'R )				Column	totals 130 (A)	235 (B)
1 phalaris arundinacea	40	<u>Y</u>	FACW	Prevale	nce Index = B/A =	1.81
2 carex sp.	15	<u>Y</u>	FACW	11	Lada Waassadaa L	. P
3 Typha angustifolia 4	15	<u> </u>	OBL		hytic Vegetation In bid test for hydrophy	
5					ninance test is >509	=
6		<del></del>			valence index is ≤3.	
7				— Mor	phogical adaptation	ns* (provide
8					porting data in Rem	**
9				l —	arate sheet)	
10	70	<del></del>			blematic hydrophyti	c vegetation*
Woody vine stratum (Plot size: 30'R )	70	= Total Cove	er	— (exp	olain)	
Woody vine stratum (Plot size: 30'R )					ors of hydric soil and we present, unless disturbe	tland hydrology must be
					drophytic	d of problematic
	0	= Total Cove			etation	
				pre	sent? Y	_
Remarks: (Include photo numbers here or on a separate	te sheet)			-		

SOIL Sampling Point: 11-WET

Profile Desc	cription: (Descr	ibe to th	e depth neede	d to docu	ment the	e indicat	or or confirm the	absence of indicators.)			
Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)  Depth Matrix Redox Features											
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**	Texture	Remarks			
0-6"	10 YR 2/1	100					MUCK	Some clay			
6-12"	10 YR 2/1	80	7.5 YR 5/8	5	С	М	CLAY/MUCK	·			
0 12	10 YR 5/2		7.0 111 0/0	+ -	<u> </u>		OL/ (1/MOO)				
		15			_						
12-18"	10 YR 5/2	70	7.5 YR 5/8	20	С	M	CLAY				
	10 YR 4/4	10									
*Tv:::0 C C	`anaantration D	Dopleti	on PM Podu	and Matrix	, MC N	Applied C	and Crains *	*Location: DL Doro Lining M. Mot	riv		
	Concentration, D =	= Depleti	on, Rivi = Redu	ceu main	K, IVIS = IV	naskeu S		*Location: PL = Pore Lining, M = Matr or Problematic Hydric Soils:	IX		
	isol (A1)		C.	andy Gley	od Motriy	(84)		airie Redox (A16) (LRR K, L, R)			
	ic Epipedon (A2)			andy Redo		(34)		face (S7) ( <b>LRR K, L)</b>			
	ck Histic (A3)			ripped Ma	. ,			ganese Masses (F12) (LRR K, L, R)			
	rogen Sulfide (A	1\		npped Mac	, ,	ol (E1)		allow Dark Surface (TF12)			
	tified Layers (A5)	•		namy Gley				rplain in remarks)			
	n Muck (A10)	,		epleted Ma		. ,	Other (e)	cpiairi ir remarks)	J		
	leted Below Dark	Surface		edox Dark	, ,				I		
	k Dark Surface (		· · ·	epleted Da		. ,	*Indicators	of budranbutia vagatatian and waltan			
	dy Mucky Minera			edox Depr				<ul> <li>of hydrophytic vegetation and weltan</li> <li>must be present, unless disturbed or</li> </ul>			
	n Mucky Peat or	. ,		виох Вері	63310113	(10)	riyarology	problematic	'		
			7					problematic			
	Layer (if observe	ed):									
Type:					_		Hydric soil	present? Y			
Depth (inche	Depth (inches):										
Remarks:	Remarks:										
HYDROLO	GY										
Wetland Hy	drology Indicate	ors:									
Primary India	cators (minimum	of one is	required: chec	k all that a	(vlaa		Secon	dary Indicators (minimum of two requi	ired)		
X Surface			. ,		Fauna (B	13)		Surface Soil Cracks (B6)			
	ter Table (A2)				uatic Plar	,		Drainage Patterns (B10)			
X Saturation	, ,				en Sulfide			Dry-Season Water Table (C2)			
Water M				Oxidized	d Rhizosp	heres on	Living Roots	Crayfish Burrows (C8)			
Sedimen	t Deposits (B2)			(C3)			<del></del> ;	Saturation Visible on Aerial Imagery (C9	3)		
Drift Dep	osits (B3)			Presenc	e of Redu	uced Iron	(C4)	Stunted or Stressed Plants (D1)			
	t or Crust (B4)			Recent	Iron Redu	ıction in T		Geomorphic Position (D2)			
	osits (B5)			(C6)			X	FAC-Neutral Test (D5)			
	on Visible on Aeria			_	ck Surfac	` ,					
	Vegetated Conca		ce (B8)	_ `	or Well Da	, ,					
Water-St	ained Leaves (B9	)		Other (E	xplain in	Remarks	)				
Field Obser	vations:										
Surface water		Yes	X No		Depth (i		2"				
Water table		Yes	X No		Depth (i		ENTIRE	Indicators of wetland			
Saturation p		Yes	X No		Depth (i	nches):	ENTIRE	hydrology present? Y	_		
	(includes capillary fringe)										
Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
Domorto											
Remarks:											

Project/Site Matt Talbot CBRF Franklin	City/Co	ounty: Fr	anklin/Milwa	aukee Sampling Dat	te: 10-21-14
Applicant/Owner: Matt Talbot Recovery Services, Inc.	-	State:	WI	Sampling Poir	nt: 12-UP
Investigator(s): Grant Duchac		Sectio	n, Township	, Range: Sec	21, T5N, R21E
Landform (hillslope, terrace, etc.): Sloping		Local re	lief (concave	e, convex, none):	
Slope (%): 4 Lat:		Long:		Datum:	
Soil Map Unit Name MzdB2			NWI C	lassification:	None
Are climatic/hydrologic conditions of the site typical for this	time of	the year?	Y (If	no, explain in remarks)	)
Are vegetation , soil , or hydrology		significantly	disturbed?	Are "normal c	ircumstances"
Are vegetation , soil , or hydrology		naturally pro	blematic?		present? Yes
SUMMARY OF FINDINGS				(If needed, explain an	y answers in remarks.)
Hydrophytic vegetation present? Y					
Hydric soil present? N		Is the sa	mpled area	within a wetland?	<u>N</u>
Indicators of wetland hydrology present? N		f yes, opti	ional wetlan	d site ID:	
Remarks: (Explain alternative procedures here or in a sepa	arate rep	ort.)			
		,			
VEGETATION Use scientific names of plants.					
	solute	Dominan	Indicator	Dominance Test Wo	rksheet
<u>Tree Stratum</u> (Plot size: 30'R ) % C		t Species	Staus	Number of Dominant S	pecies
1 Crataegus mollis	50	Υ	FAC	that are OBL, FACW, or	r FAC:4 (A)
2				Total Number of Dor	
3				Species Across all S	``
5				Percent of Dominant Sp that are OBL, FACW, or	
	50 =	Total Cover		triat are OBE, i AGW, or	(A/B)
Sapling/Shrub stratum (Plot size: 30'R )			<u> </u>	Prevalence Index Wo	orksheet
1 rhamnus cathartica	80	Υ	FAC	Total % Cover of:	
2 Ionicera x bella	20	Υ	FACU	OBL species 0	x 1 =0
3				FACW species 5	x 2 = 10
4				FACUL appeirs 20	
5	100 =	Total Cover		FACU species 20 UPL species 0	x 4 = 80 x 5 = 0
Herb stratum (Plot size: 5'R )		Total Gover		Column totals 200	
	40	Υ	FAC	Prevalence Index = B	— `       —— `
2 toxicodendron radicans	5	N -	FAC		
3				Hydrophytic Vegetat	tion Indicators:
4					Irophytic vegetation
5				X Dominance test is	
6				Prevalence index	
7				Morphogical adap	otations* (provide n Remarks or on a
9				separate sheet)	TREMAINS OF OUR A
10					ophytic vegetation*
	45 =	Total Cover		(explain)	, , ,
Woody vine stratum (Plot size: 30'R )				*Indicators of hydric soil a	and wetland hydrology must be
1 vitis riparia	5	Υ	FACW		isturbed or problematic
2				Hydrophytic vegetation	
	5 =	Total Cover		present?	Υ
Remarks: (Include photo numbers here or on a separate sh	heet)			_ · _ <del>_</del>	
Common buckthorn growing throughout entire		s of sita F	Buckthorn	is suggesting wetter	nd vegetation present
due to the FAC status. No wetland hydrology of	•				

nature of buckthorn - vegetation should be upland.

SOIL Sampling Point: 12-UP

Profile Desc	cription: (Descri	ibe to th	e depth needed	to docu	ment the	indicat	or or confirm the abser	ice of indicators.)	
Depth	<u>Matrix</u>		Red	lox Feat	<u>ures</u>				
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**	Texture	Remarks	
0-10"	10 YR 2/1-3/1	100					SL		
10-14"	10 YR 3/1	50					SCL		
	10 YR 4/4	50							
14-24"	10 YR 4/4	80	7.5 YR 5/8	20	С	М	CLAY		
	10 111 1/1	- 00	7.0 110 070	20			02/11		
		= Depleti	on, RM = Reduce	ed Matrix	MS = N	/lasked S		on: PL = Pore Lining, M = Matrix	
-	il Indicators:					. <del>.</del>		lematic Hydric Soils:	
	isol (A1)				ed Matrix	(S4)		edox (A16) ( <b>LRR K, L, R</b> )	
	ic Epipedon (A2)			dy Redo	. ,		Dark Surface (S	e Masses (F12) ( <b>LRR K, L, R</b> )	
	ck Histic (A3)	1\		oped Ma	trix (S6) ky Minera	SI (E4)			
	rogen Sulfide (A4 tified Layers (A5)	-		-	ed Matrix	. ,	Other (explain i	ark Surface (TF12)	
	n Muck (A10)	,			atrix (F3)	, ,	Other (explain ii	Tremarks)	
	leted Below Dark	Surface			Surface			ı	
	k Dark Surface (		· · · · · · · · · · · · · · · · · · ·		rk Surfac	` '	*Indicators of hyd	rophytic vegetation and weltand	
	dy Mucky Minera	,			essions (	. ,	•	be present, unless disturbed or	
	n Mucky Peat or I	. ,		•		,	, 5,	problematic	
Restrictive	Layer (if observe	eq).							
Type:	_uyo. ( oboo. v	ou).					Hydric soil prese	nt? N	
Depth (inche	es):				•		,		
Remarks:	<u> </u>				1				
Remarks.									
HYDROLO	)GY								
Wetland Hy	drology Indicato	ors:							
_			required; check a	all that a	(vlac		Secondary In	dicators (minimum of two required)	
	Water (A1)				Fauna (B	13)		Soil Cracks (B6)	
	ter Table (A2)				uatic Plan			e Patterns (B10)	
Saturation	on (A3)			Hydroge	n Sulfide	Odor (C1	Dry-Sea	ason Water Table (C2)	
	arks (B1)				l Rhizosp	heres on		Burrows (C8)	
	t Deposits (B2)			(C3)				on Visible on Aerial Imagery (C9)	
	osits (B3)					ced Iron	· · · —	or Stressed Plants (D1)	
	t or Crust (B4) osits (B5)			(C6)	ron Reau	iction in I		rphic Position (D2) eutral Test (D5)	
	on Visible on Aeria	ıl Imagery	/ (B7)	. ,	ck Surfac	e (C7)	FAC-NE	edital Test (D3)	
	Vegetated Conca				r Well Da				
	ained Leaves (B9			_		Remarks	)		
Field Obser	vations:								
Surface water		Yes	No	X	Depth (i	nches):			
Water table	present?	Yes	No	Х	Depth (i	nches):	In	dicators of wetland	
Saturation p		Yes	No	Х	Depth (i	nches):		ydrology present? N	
(includes cap									
Describe rec	Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:								
Remarks:									
	e, 2' upslope o	of wetler	nd						
Pry Profil	o, z apsiope o	. would	ш.						

Project/Site Matt Talbot CBRF Franklin	City/County:	Franklin/Milw	aukee Sampling Date:	10-21-14
Applicant/Owner: Matt Talbot Recovery Services, Inc.	State:	WI	Sampling Point:	13-WET
Investigator(s): Grant Duchac	Sec	tion, Townshi	p, Range: Sec 2	21, T5N, R21E
Landform (hillslope, terrace, etc.): Ditch/wooded drain	age Local	relief (concav	ve, convex, none):	
Slope (%): 2-4% Lat:	Long:		Datum:	
Soil Map Unit NameBiA		NWI (	Classification:	E2K
Are climatic/hydrologic conditions of the site typical for this til	me of the year?	(I	f no, explain in remarks)	
Are vegetation , soil , or hydrology	significant	tly disturbed?	Are "normal circ	cumstances"
Are vegetation , soil , or hydrology		oroblematic?	7.1.0 1.10111161.011	present? Yes
SUMMARY OF FINDINGS			(If needed, explain any	answers in remarks.)
Hydrophytic vegetation present?				
Hydric soil present? Y	Is the	sampled are	a within a wetland?	Υ
Indicators of wetland hydrology present? Y	f yes, c	ptional wetlar	nd site ID:	
Remarks: (Explain alternative procedures here or in a separa	ate report )			
Tremains. (Explain alternative procedures here of in a separe	ис тероп.,			
VECETATION Lies exicutific names of plants				
<b>VEGETATION</b> Use scientific names of plants.	lute Dominan	Indicator	Dominance Test Work	rshoot
Absol Tree Stratum (Plot size: 30'R ) % Co			Number of Dominant Spe	
1 fraxinus pennsylvanica 20	•	FACW	that are OBL, FACW, or F	
2			Total Number of Domi	
3			Species Across all St	rata: 2 (B)
4			Percent of Dominant Spe	ecies
5			that are OBL, FACW, or F	AC: 100.00% (A/B)
20	= Total Cov	er	5	1.1
Sapling/Shrub stratum (Plot size: 30'R )  1 rhamnus cathartica 50	) Y	FAC	Prevalence Index Wor Total % Cover of:	ksneet
1 Mannus cathartica 50	<u> </u>	FAC		x 1 = 0
3		· ——		$x^{2} = \frac{0}{40}$
4			·	x 3 = 150
5			FACU species 0	x 4 = 0
	= Total Cov	er	UPL species 0	x 5 = 0
Herb stratum (Plot size: 5'R )			Column totals 70	(A) 190 (B)
1			Prevalence Index = B/A	x = 2.71
3			Hydrophytic Vegetation Rapid test for hydro	
5			X Dominance test is >	
6			X Prevalence index is	
7		· ——	Morphogical adapta	
8			supporting data in F	
9			separate sheet)	
10			Problematic hydrop	hytic vegetation*
0	= Total Cov	er	(explain)	
Woody vine stratum (Plot size: 30'R)			- · · · · · · · · · · · · · · · · · · ·	d wetland hydrology must be
			Present, unless dist	urbed or problematic
	= Total Cov	er er	vegetation	
	= 10tai 00v	OI .		Y
Remarks: (Include photo numbers here or on a separate she	et)			
Less vegetation in swale/ditch area (wetland)				
, , ,				

SOIL Sampling Point: 13-WET

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)									
Depth Matrix Redox Features								ĺ	
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**	Texture	Remarks	
0-4"	10 YR 2/1	100					SCL		
4-8"	10 YR 2/1	90	7.5 YR 5/8	10	С	М	SCL		
					_				
8-12"	10 YR 2/1	50	7.5 YR 5/8	15	С	М	CLAY		
	10 YR 5/1	35							
12-18"	10 YR 5/1	80	7.5 YR 5/8	20	С	М	CLAY		
*Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pore Lining, M = Matrix									
		= Depleti	on, RM = Reduce	ed Matrix	I, MS = I	lasked S		Location: PL = Pore Lining, M = Matrix	
	il Indicators:							r Problematic Hydric Soils:	
	isol (A1)				ed Matrix	(S4)		airie Redox (A16) (LRR K, L, R)	
	ic Epipedon (A2)			dy Redo				ace (S7) (LRR K, L)	
	ck Histic (A3)			pped Ma				ganese Masses (F12) (LRR K, L, R)	
	rogen Sulfide (A			-	ky Minera			llow Dark Surface (TF12)	
	tified Layers (A5)	)			ed Matrix		Other (ex	plain in remarks)	
	n Muck (A10)				atrix (F3)				
	leted Below Dark				Surface	. ,			
	k Dark Surface (				ark Surfa			of hydrophytic vegetation and weltand	
	dy Mucky Minera	. ,		lox Depr	essions (	(F8)	hydrology	must be present, unless disturbed or	
5 cr	n Mucky Peat or	Peat (S3	)					problematic	
Restrictive	Layer (if observe	ed):							
Type:		-					Hydric soil	present? Y	
Depth (inche	es):				•			<del></del>	
Remarks:	· <del></del>				-				
nomano.									
	201/								
HYDROLO									
	drology Indicate								
		of one is	required; check					dary Indicators (minimum of two required	
	Water (A1)				Fauna (B	•		Surface Soil Cracks (B6)	
	ter Table (A2)				uatic Plar			Prainage Patterns (B10)	
X Saturation (A3) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2)							• • • • • • • • • • • • • • • • • • • •		
<u> </u>	arks (B1)				l Rhizosp	heres on		Crayfish Burrows (C8)	
Sediment Deposits (B2) (C3) Saturation Visible on Aerial Imagery (C9)									
	Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)								
	t or Crust (B4)				ron Redu	ction in T		Geomorphic Position (D2)	
	osits (B5)		(5-1)	(C6)		, <del>-</del> - \	<u>X</u> F	AC-Neutral Test (D5)	
	on Visible on Aeria		· · · · · · · · · · · · · · · · · · ·	-	ck Surfac	. ,			
	Vegetated Conca		ce (B8)		or Well Da	` '			
	ained Leaves (B9	)		Otner (E	xpiain in	Remarks	)		
Field Obser					_				
Surface water	•	Yes	No No	X	Depth (i		46"	Indicators of confirm	
Water table		Yes	X No		Depth (i		12"	Indicators of wetland	
Saturation p		Yes	X No		Depth (i	ncnes):	6"	hydrology present? Y	
(includes ca									
Describe rec	orded data (strea	am gauge	e, monitoring well	, aerial p	hotos, p	revious ir	nspections), if avail	lable:	
Domortos									
Remarks:									
Surface wet, moist throughout.									

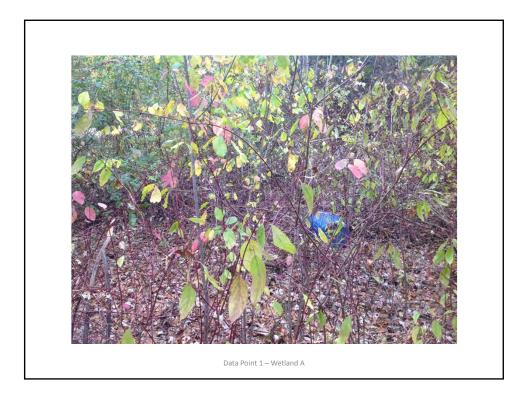
Project/Site Matt Talbot CBRF Franklin	City	County: F	- Cranklin/Milw	vaukee S	ampling Date:	10-21-14
Applicant/Owner: Matt Talbot Recovery Services, Ir		State:	WI	_	ampling Point:	14-UP
Investigator(s): Grant Duchac			on, Townshi	ip, Range:		Γ5N, R21E
Landform (hillslope, terrace, etc.): Sloping	to ditch			ve, convex, r		
Slope (%): 2 Lat:		Long:		D	atum:	
Soil Map Unit Name BiA			١W١	Classification	n:	None
Are climatic/hydrologic conditions of the site typical for	r this time o	of the year?	<u>Y</u> (	If no, explair	n in remarks)	
Are vegetation, soil, or hydrol	ogy	significantly	y disturbed?	А	re "normal circum	stances"
Are vegetation , soil , or hydrol						
SUMMARY OF FINDINGS				(If needed	d, explain any ans	wers in remarks.)
Hydrophytic vegetation present? Y	_					
Hydric soil present? N	_	Is the s	ampled are	a within a w	vetland?	N
Indicators of wetland hydrology present?  N	_	f yes, op	otional wetlar	nd site ID:		
Remarks: (Explain alternative procedures here or in a	separate r	eport.)				
	Vand	الداما والماطة				
	very	thick buckth	iorn			
<b>VEGETATION</b> Use scientific names of plant	ts.					
	Absolute		Indicator	Dominan	ce Test Workshe	et
Tree Stratum (Plot size: 30'R )	% Cover	•	Staus		Dominant Species	
1 rhamnus cathartica 2	60	<u> </u>	FAC		BL, FACW, or FAC:	``
3	-	· <del></del>			umber of Dominant s Across all Strata:	
4	-	· ——			Dominant Species	
5	-				BL, FACW, or FAC:	
	60	= Total Cove	r			
Sapling/Shrub stratum (Plot size: 30'R )		.,			ce Index Worksh	eet
1 rhamnus cathartica 2 lonicera x bella	20	- <del>Y</del>	FACU	Total % C		= 0
3		<del></del>	1700	FACW sp		
4				FAC spec		
5				FACU spe	ecies 20 x 4	= 80
	100	= Total Cove	r	UPL spec		
Herb stratum (Plot size: 5'R )				Column to	` ′	
1 rhamnus cathartica	20	<u>Y</u>	FAC	Prevalenc	ce Index = B/A =	3.11
2 3		· ——		Hydronby	ytic Vegetation Ir	
4					test for hydrophy	
5					nance test is >50%	=
6				Preva	lence index is ≤3.	0*
7					nogical adaptation	**
8					orting data in Rem ate sheet)	arks or on a
9 10					ate sneet) ematic hydrophytic	c vegetation*
	20	= Total Cove	<del></del>	(expla		3 vegetation
Woody vine stratum (Plot size: 30'R )	-	-		I — ' '	•	tland hydrology must be
1				pre	esent, unless disturbed	
2				-	ophytic	
	0	= Total Cove	r	veget prese		
Remarks: (Include photo numbers here or on a separa	ate sheet)					<del>-</del>
Common buckthorn growing throughout er	•	nds of site.	Buckthorn	is suaaes	ting wetland ve	getation present
due to the FAC status. No wetland hydrolo						
nature of buckthorn - vegetation should be				J		-

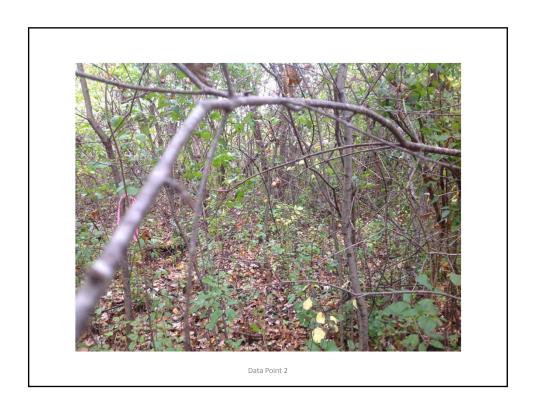
SOIL Sampling Point: 14-UP

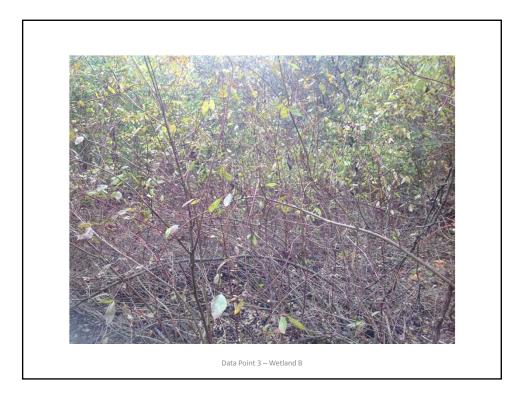
	cription: (Descr	ibe to th	e depth needed	to docu	ment the	e indicat	or or confirm the abse	nce of indicators.)		
Depth Matrix Redox Features										
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**	Texture	Remarks		
0-10"	10 YR 2/1	100					SL			
10-12"	10 YR 2/1	70	7.5 YR 5/8	5	С	М	SCL			
10 12	10 YR 5/1	25								
40.40".			7.5.VD.5/0	10	-	N4	CLAV			
12-18"+	10 YR 5/1	90	7.5 YR 5/8	10	С	M	CLAY			
*Type: C = 0	Concentration, D :	= Depleti	on. RM = Reduce	ed Matrix	. MS = N	Masked S	Sand Grains. **Locat	ion: PL = Pore Lining, M = Matrix		
	oil Indicators:	200.00	,	,	.,			Dlematic Hydric Soils:		
_	tisol (A1)		Sar	dy Gleye	ed Matrix	(S4)		edox (A16) ( <b>LRR K, L, R</b> )		
	tic Epipedon (A2)			dy Redo		(- ')	Dark Surface (S			
	ck Histic (A3)			oped Ma	. ,			e Masses (F12) (LRR K, L, R)		
	drogen Sulfide (A	4)		my Mucl		al (F1)		ark Surface (TF12)		
ı — ·	atified Layers (A5)	•		my Gley	-		Other (explain i	, ,		
	m Muck (A10)	,		leted Ma				,		
	oleted Below Dark	s Surface		lox Dark	, ,					
	ck Dark Surface (			leted Da		. ,	*Indicators of hyd	drophytic vegetation and weltand		
	ndy Mucky Minera	•		lox Depr			-	be present, unless disturbed or		
	m Mucky Peat or	. ,		·		,	, 0,	problematic		
Postrictivo	Layer (if observe	٠٩٧٠	,			I		·		
Type:	Layer (II Observ	eu).					Hydric soil prese	nt? N		
Depth (inche	<i>56)</i> .				•		riyuric son prese	<u> </u>		
					ī					
Remarks:										
HYDROLO	DGY									
Wetland Hy	drology Indicate	ors:								
Primary Indi	cators (minimum	of one is	required; check	all that a	oply)		Secondary In	dicators (minimum of two required)		
Surface	Water (A1)			Aquatic	Fauna (B	13)	Surface	e Soil Cracks (B6)		
High Wa			uatic Plar		,	ge Patterns (B10)				
Saturation	on (A3)			Hydroge	n Sulfide	Odor (C	1) Dry-Se	ason Water Table (C2)		
	larks (B1)				l Rhizosp	heres on		h Burrows (C8)		
Sediment Deposits (B2) (C3) Saturation Visible on Aerial Imagery (							• • • •			
Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)										
	at or Crust (B4)				ron Redu	iction in T		rphic Position (D2)		
Iron Deposits (B5) (C6) FAC-Neutral Test (D5)										
			Inundation Visible on Aerial Imagery (B7)  Thin Muck Surface (C7)							
Inundation	on Visible on Aeria						170-10			
Inundation Sparsely	on Visible on Aeria  Vegetated Conca	ave Surfa		Gauge o	r Well Da	ata (D9)	_			
Inundation Sparsely Water-S	on Visible on Aeria  Vegetated Conca  tained Leaves (B9	ave Surfa		Gauge o	r Well Da		_			
Inundation Sparsely Water-S Field Obser	on Visible on Aeria  Vegetated Conca  tained Leaves (B9  vations:	ave Surfa	ce (B8)	Gauge of Other (E	r Well Da xplain in	ata (D9) Remarks	_			
Inundation Sparsely Water-S Field Obser Surface water	on Visible on Aeria Vegetated Conca tained Leaves (B9 rvations: er present?	ve Surfa	ce (B8)	Gauge of Other (E	r Well Da xplain in Depth (i	ata (D9) Remarks nches):	)	adicators of watland		
Inundation Sparsely Water-S Field Obser Surface water Water table	on Visible on Aeria Vegetated Concatained Leaves (B9 vations: er present? present?	Yes Yes	No No	Gauge of Other (E	r Well Da xplain in Depth (i Depth (i	nta (D9) Remarks nches): nches):	) Ir	ndicators of wetland		
Inundation Sparsely Water-S Field Obser Surface wate Water table Saturation p	on Visible on Aeria Vegetated Concatained Leaves (B9 vations: er present? present? resent?	ve Surfa	ce (B8)	Gauge of Other (E	r Well Da xplain in Depth (i	nta (D9) Remarks nches): nches):	) Ir	ndicators of wetland nydrology present?N		
Inundation Sparsely Water-S Field Obser Surface wate Water table Saturation p (includes ca	on Visible on Aeria Vegetated Concatained Leaves (B9 vations: er present? present? resent? pillary fringe)	Yes Yes Yes Yes	No No No	Gauge of Other (EXXXX	r Well Da xplain in Depth (i Depth (i Depth (i	nches):	) Ir			
Inundation Sparsely Water-S Field Obser Surface wate Water table Saturation p (includes ca	on Visible on Aeria Vegetated Concatained Leaves (B9 vations: er present? present? resent? pillary fringe)	Yes Yes Yes Yes	No No No	Gauge of Other (EXXXX	r Well Da xplain in Depth (i Depth (i Depth (i	nches):	) Ir			
Inundation Sparsely Water-S Field Obser Surface wate Water table Saturation p (includes ca	on Visible on Aeria Vegetated Concatained Leaves (B9 vations: er present? present? resent? pillary fringe)	Yes Yes Yes Yes	No No No	Gauge of Other (EXXXX	r Well Da xplain in Depth (i Depth (i Depth (i	nches):	) Ir			
Inundation Sparsely Water-S Field Obser Surface wate Water table Saturation p (includes ca) Describe reco	on Visible on Aeria Vegetated Concatained Leaves (B9 vations: er present? present? resent? pillary fringe)	Yes Yes Yes Yes	No No No	Gauge of Other (E	r Well Da xplain in Depth (i Depth (i Depth (i	nches):	) Ir			
Inundation Sparsely Water-S Field Obser Surface wate Water table Saturation p (includes ca Describe reco	on Visible on Aeria v Vegetated Concatained Leaves (B9 rvations: er present? present? resent? pillary fringe) corded data (strea	Yes Yes Yes Yes	No No No e, monitoring well	Gauge of Other (E	r Well Da xplain in Depth (i Depth (i Depth (i	nches):	) Ir			
Inundation Sparsely Water-S Field Obser Surface wate Water table Saturation p (includes ca Describe reco	on Visible on Aeria Vegetated Concatained Leaves (B9 vations: er present? present? resent? pillary fringe)	Yes Yes Yes Yes	No No No e, monitoring well	Gauge of Other (E	r Well Da xplain in Depth (i Depth (i Depth (i	nches):	) Ir			

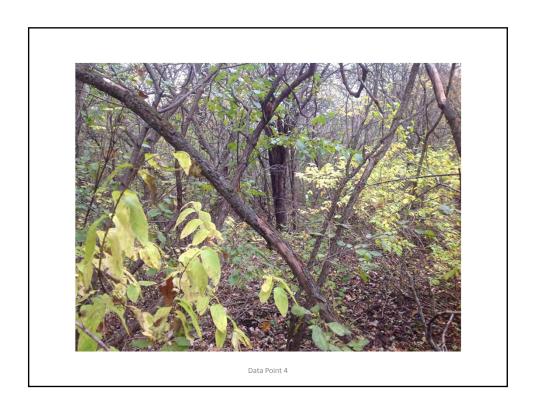
PHONE: (920) 926-9800 FAX: (920) 926-9801

# APPENDIX B SITE PHOTOGRAPHS



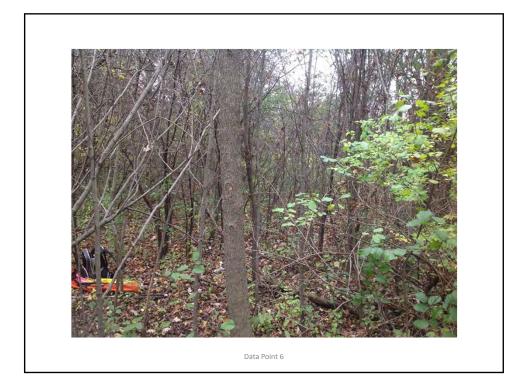




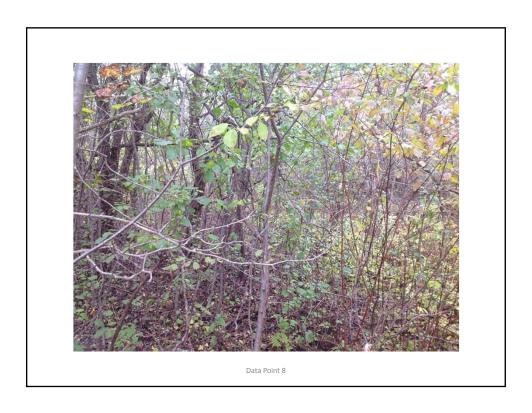




Data Point 5 – Wetland C

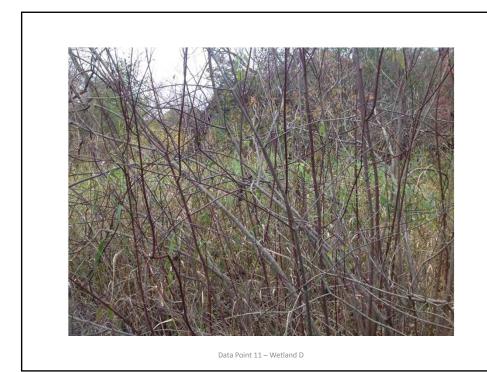


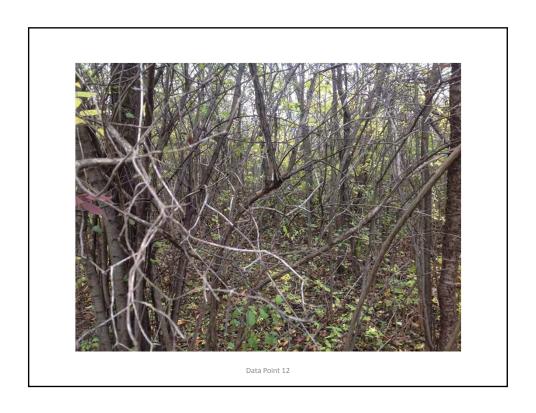














Data Point 13 – Wetland 13



PHONE: (920) 926-9800 FAX: (920) 926-9801

# APPENDIX C HISTORIC AERIAL PHOTOS

### Franklin Phase I

9210 W. St. Martins Road Franklin, WI 53132

Inquiry Number: 4154226.5

December 08, 2014

# The EDR Aerial Photo Decade Package



## **EDR Aerial Photo Decade Package**

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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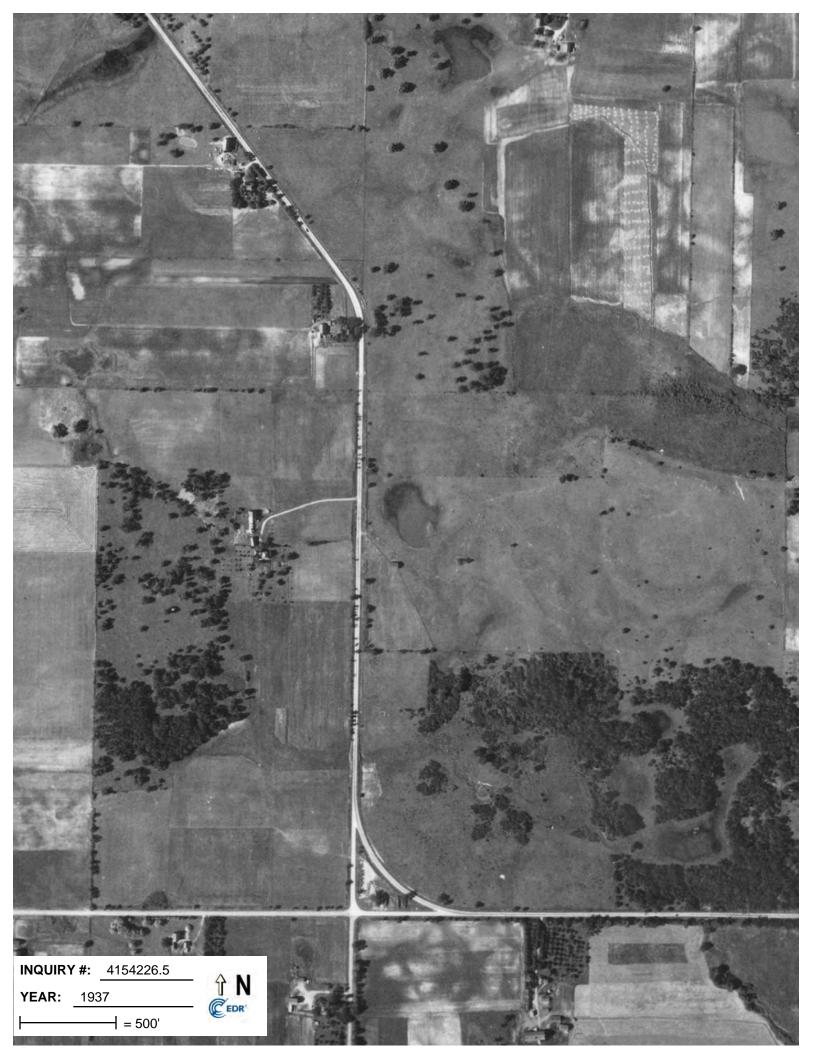
## **Date EDR Searched Historical Sources:**

Aerial Photography December 08, 2014

## **Target Property:**

9210 W. St. Martins Road Franklin, WI 53132

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1937	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1937	USGS
1941	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1941	AAA
1950	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1950	PMA
1956	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1956	CSS
1963	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1963	ASCS
1969	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1969	USDA
1979	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1979	USGS
1980	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1980	USGS
1986	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1986	USGS
1992	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1992	USGS
2000	Aerial Photograph. Scale: 1"=500'	DOQQ - acquisition dates: April 14, 2000	USGS/DOQQ
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2008	Aerial Photograph. Scale: 1"=500'	Flight Year: 2008	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP







INQUIRY #: 4154226.5

**YEAR:** 1950

= 500'







**INQUIRY #:** 4154226.5

**YEAR:** 1963

**=** 500'























# CITY OF FRANKLIN 5

#### REPORT TO THE PLAN COMMISSION

### Meeting of March 19, 2015

### Site Plan Amendment, Certified Survey Map and Land Division Variance

**RECOMMENDATION:** City Development Staff recommends approval of the proposed Certified Survey Map, Land Division Variance and Site Plan Amendment for the Kayla's Krew Playground and Park located at approximately 11120 West Loomis Road, subject to the conditions of approval in the attached draft resolution.

Project Name: Kayla's Krew Playground and Park

Project Location: 11120 West Loomis Road
Property Owner: Victory of the Lamb, Inc.

Applicant: City of Franklin

Current Zoning: I-1 Institutional District

2025 Comprehensive Plan: Institutional and Areas of Natural Resource Features

Use of Surrounding Properties: Agricultural use to the north, south and west and the

Animal Campus Vet Clinic to the east

Applicant's Action Requested: Approval of the proposed Certified Survey Map and Site

Plan Amendment

#### Introduction and Background:

#### Please note:

- Staff recommendations are <u>underlined</u>, in <u>italics</u> and are included in the draft ordinance.
- Staff suggestions are only underlined and are not included in the draft resolution.

The City of Franklin has submitted the attached applications in anticipation of development of the Kayla's Krew Playground and Park at the Victory of the Lamb property, located at 11120 W. Loomis Road.

In this regard, it can be noted that the Common Council, at its July 15, 2014 meeting moved to,

"direct staff to proceed with negotiations to provide the use, financing and development plans and agreements and acquisition necessary for the development of the All-accessible and All-inclusive Playground and Park Nature Center as generally presented by staff at the July 15, 2014 Common Council meeting and to return the results thereof to the Common Council when ready for final consideration by the Council."

and

"state that the Common Council hereby expresses its full support for the All-accessible and All-inclusive playground and park nature center general concept as presented."

The Common Council, at its February 17, 2015 meeting, further moved to,

"direct staff to prepare a letter of City sponsorship for Mayor's signature and for staff to continue negotiations to propel the development of the All-accessible and All-inclusive Playground and Park Nature Center proposed to be located at approximately 11120 West Loomis Road."

Based upon this Common Council direction, City staff has been meeting with representatives of Victory of the Lamb and Kayla's Krew in order to identify the best means to accomplish this goal and to identify the City approvals that would be needed to facilitate this project. From those discussions, it appears to City staff that the best means of accomplishing this project would entail:

- establishment of a public road, to be extended from W. Loomis Road to the proposed playground, to provide clear and safe public access to the proposed public playground/park;
- preparation of a Certified Survey Map, to create a new parcel to encompass the proposed public road and proposed public playground/park; and
- appropriate revisions to the previously approved Victory of the Lamb Site Plan incorporating such changes.

In addition, representatives of the Victory of the Lamb have indicated that they would like to begin construction of the Church this spring, and representatives of Kayla's Krew have indicated that they would like to begin construction of the playground this summer.

As the size of the proposed new lot will be constrained by the church and associated parking on one side, and by protected natural resource features on the other side, the width of the proposed public road right-of-way was reduced to minimize impacts to those natural resource features and to satisfy the church's parking demands. The proposed substandard right-of-way requires a land division variance pursuant to Section 15-9.0310 of the Unified Development Ordinance (UDO), which has also been prepared by City staff and included with this report.

### **Project Description:**

### Certified Survey Map

The attached certified survey map proposes to divide the Victory of the Lamb property at 11120 West Loomis Road into two separate lots. Lot 1 is approximately 5.96 acres and is the potential location for the Kayla's Krew Playground and Park. Lot 2 is 8.97 acres and would encompass the previously approved Victory of the Lamb Lutheran Church development.

<u>Staff recommends approval of the Certified Survey Map subject to the condition that a separate written Conservation Easement agreement is prepared for Common Council review and approval and recording with Milwaukee County.</u>

#### Site Plan:

The Site Plan for Victory of the Lamb has been revised to accommodate a City owned public road and Kayla's Krew Playground and Park and associated parking. The Victory of the Lamb church building is in the same location as identified on the previously approved Site Plan. The Church's parking has been reoriented into a more retail type configuration to provide sufficient parking in proximity to the church, and the Kayla's Krew Playground and Park as well.

In addition to the right-of-way width, the site plan does not meet the following standards, and therefore, <u>staff recommends that approval of the proposed Site Plan Amendment be contingent upon approval by the Board of Zoning and Building Appeals of a variance for the proposed drive width, parking setback and minimum parking space size as set forth in the subject Site Plan Amendment.</u>

The specific necessary variances are identified below:

- Section 15-5.0202A. Adequate Access
  - o Required: Driveway width minimum of 24'
  - o Proposed: 22'
- Section 15-5.0202B. Minimum Parking Space Size
  - o Required: 9' wide and 180 SF
  - o Proposed: 9' wide x 18' feet deep (162 SF)
- Section 15-5.0202C. Minimum Required Parking Lot Setbacks and Screening/Landscaping
  - o C.1 and C.4. Required: 10' parking space setback
  - o Proposed: 0' in some cases (i.e. up to the ROW)

The previously approved landscaping, lighting, grading, utilities and erosion control for the Victory of the Lamb Church are not substantially impacted by the revised Site Plan. <u>Staff is recommending that the following conditions from the previous Site Plan approval remain</u>.

- 1. The dumpster enclosure shall consist of materials that match that of the proposed building, subject to Department of City Development staff review and approval, prior to the issuance of a Building Permit
- 2. The Erosion Control/Grading Plan shall be revised to include rough grading, temporary landscaping, and appropriate long-term erosion control measures for the lands immediately adjacent to the northern portion of the parking lot for staff review and approval prior to issuance of a Building Permit.
- 3. Applicant shall connect to public sanitary sewer facilities once they become available.
- 4. Applicant shall submit a Lighting Plan in conformance with Division 15-5.0400 of the Unified Development Ordinance, for review and approval by Department of City Development staff, prior to issuance of a Building Permit.
- 5. All signs shall require separate review and approval by the Architectural Review Board and issuance of a Sign Permit from the Inspection Department.
- 6. Applicant shall obtain final approval of the storm water management plan from the City Engineer, prior to issuance of an Occupancy Permit.
- 7. Applicant shall submit a separate written Conservation Easement agreement for Common Council review and approval and recording with Milwaukee County.

In regard to the Kayla's Krew Playground and Park, it can be noted that the final design has yet to be completed. However, staff anticipates that such construction will be undertaken by City staff or under City supervision, and that any changes will be relatively minor in scope. Therefore, staff recommends that a final Site Plan for the Kayla's Krew Playground and Park be prepared for Parks Commission and Common Council review and approval prior to the commencement of work for the Kayla's Krew Playground.

#### Land Division Variance

As previously stated, the proposed right-of-way does not conform to the standards of Table 15-5.0103 of the UDO, which requires a minimum 50-foot right-of-way width for Minor Streets (difficult site/natural resource protection option)." The required pavement width is 28-feet (face of curb to face of curb) with a minimum of 11-feet of lawn per side.

The proposed right-of-way width is 36-feet. The terrace width on each side of the proposed road will also not be met. Additionally, the pavement width may be slightly narrowed from the 28-foot required width as further detail design and engineering is undertaken. As such, a Land Division Variance Application has been submitted with the CSM Application.

Staff recommends approval of the variance as proposed.

### Staff Recommendation:

City Development Staff recommends approval of the proposed Certified Survey Map, Site Plan Amendment, and Land Division Variance for the Kayla's Krew Playground located at approximately 11120 West Loomis Road, subject to the conditions of approval in the attached draft resolution.

#### CITY OF FRANKLIN

MILWAUKEE COUNTY [Draft 3-13-15]

RESOLUTION NO. 2015-\_\_\_\_

A RESOLUTION CONDITIONALLY APPROVING A 2 LOT CERTIFIED SURVEY MAP, BEING A PART OF THE NORTHEAST 1/4 AND SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 19, TOWNSHIP 5 NORTH, RANGE 21 EAST, CITY OF FRANKLIN, MILWAUKEE COUNTY, WISCONSIN (CITY OF FRANKLIN, APPLICANT)

(11120 WEST LOOMIS ROAD)

WHEREAS, the City of Franklin, Wisconsin, having received an application for approval of a certified survey map, such map being a part of the Northeast 1/4 and Southeast 1/4 of the Southeast 1/4 of Section 19, Township 5 North, Range 21 East, City of Franklin, Milwaukee County, Wisconsin, more specifically, of the property located at 11120 West Loomis Road, bearing Tax Key No. 889-9989-000, City of Franklin, applicant; said certified survey map having been reviewed by the City Plan Commission and the Plan Commission having recommended approval thereof pursuant to certain conditions; and

WHEREAS, the Plan Commission having granted a Land Division Variance from Unified Development Ordinance Table 15-5.0103 to allow for a 36 foot wide right of way; and

WHEREAS, the Common Council having reviewed such application and Plan Commission recommendation and the Common Council having determined that such proposed certified survey map is appropriate for approval pursuant to law upon certain conditions.

NOW, THEREFORE, BE IT RESOLVED, by the Mayor and Common Council of the City of Franklin, Wisconsin, that the Certified Survey Map submitted by the City of Franklin, as described above, be and the same is hereby approved, subject to the following conditions:

- 1. That any and all objections made and corrections required by the City of Franklin, by Milwaukee County, and by any and all reviewing agencies, shall be satisfied and made by the applicant, prior to recording.
- 2. That all land development and building construction permitted or resulting under this Resolution shall be subject to impact fees imposed pursuant to §92-9. of the Municipal Code or development fees imposed pursuant to §15-5.0110 of the Unified Development Ordinance, both such provisions being applicable to the development and building permitted or resulting hereunder as it occurs from time to time, as such Code and Ordinance provisions may be amended from time to time.

# CITY OF FRANKLIN – CERTIFIED SURVEY MAP RESOLUTION NO. 2015-\_\_\_\_Page 2

- 3. Each and any easement shown on the Certified Survey Map shall be the subject of separate written grant of easement instrument, in such form as provided within the City of Franklin Design Standards and Construction Specifications and such form and content as may otherwise be reasonably required by the City Engineer or designee to further and secure the purpose of the easement, and all being subject to the approval of the Common Council, prior to the recording of the Certified Survey Map.
- 4. City of Franklin, successors and assigns, and any developer of the City of Franklin 2 lot certified survey map project, shall pay to the City of Franklin the amount of all development compliance, inspection and review fees incurred by the City of Franklin, including fees of consults to the City of Franklin, within 30 days of invoice for same. Any violation of this provision shall be a violation of the Unified Development Ordinance, and subject to §15-9.0502 thereof and §1-19. of the Municipal Code, the general penalties and remedies provisions, as amended from time to time.
- 5. The approval granted hereunder is conditional upon the City of Franklin and the 2 lot certified survey map project for the property located at 11120 West Loomis Road: (i) being in compliance with all applicable governmental laws, statutes, rules, codes, orders and ordinances; and (ii) obtaining all other governmental approvals, permits, licenses and the like, required for and applicable to the project to be developed and as presented for this approval.
- 6. A separate written Conservation Easement agreement shall be submitted for Common Council review and approval and recording with Milwaukee County.

### 7. [other conditions, etc.]

BE IT FURTHER RESOLVED, that the Certified Survey Map, certified by owner, Victory of the Lamb, Inc., be and the same is hereby rejected without final approval and without any further action of the Common Council, if any one, or more than one of the above conditions is or are not met and satisfied within 180 days from the date of adoption of this Resolution.

BE IT FINALLY RESOLVED, that upon the satisfaction of the above conditions within 180 days of the date of adoption of this Resolution, same constituting final approval, and pursuant to all applicable statutes and ordinances and lawful requirements and procedures for the recording of a certified survey map, the City Clerk is hereby directed to obtain the recording of the Certified Survey Map, certified by owner, Victory of the Lamb, Inc., with the Office of the Register of Deeds for Milwaukee County.

day of	of the Common Council of the City of Franklin this _, 2015.
Passed and adopted at a regular anklin this day of	r meeting of the Common Council of the City of, 2015.
	APPROVED:
	Stephen R. Olson, Mayor
TEST:	
TEST:	

STATE OF WISCONSIN

### CITY OF FRANKLIN PLAN COMMISSION

MILWAUKEE COUNTY [Draft 3-13-15]

RESOLUTION NO. 2015-

A RESOLUTION GRANTING A LAND DIVISION VARIANCE AND AMENDING THE SITE PLAN FOR PROPERTY LOCATED AT 11120 WEST LOOMIS ROAD TO ALLOW FOR THE KAYLA'S KREW ALL-ACCESSIBLE AND ALL-INCLUSIVE PLAYGROUND DEVELOPMENT ON VICTORY OF THE LAMB LUTHERAN CHURCH PROPERTY (VICTORY OF THE LAMB, INC.)

(TAX KEY NO. 889-9989-000)

(CITY OF FRANKLIN, APPLICANT)

WHEREAS, the City of Franklin having applied for an amendment to the site plan for the property located at 11120 West Loomis Road, such Site Plan having been previously approved on December 4, 2014, by Resolution No. 2014-015; and

WHEREAS, such proposed amendment proposes development of a Kayla's Krew all-accessible and all-inclusive playground on Victory of the Lamb Lutheran Church property, and the Plan Commission having reviewed such proposal and having found same to be in compliance with and in furtherance of those express standards and purposes of a Site Plan review pursuant to Division 15-7.0100 of the Unified Development Ordinance.

NOW, THEREFORE, BE IT RESOLVED, by the Plan Commission of the City of Franklin, Wisconsin, that: i) a Land Division Variance from Unified Development Ordinance Table 15-5.0103 which requires a 50 foot wide right of way, to allow for a 36 foot wide right of way, is granted and such 50 foot requirement is specifically modified hereunder, pursuant to Section 15-9.0310A. of the Unified Development Ordinance; and ii) the Site Plan for the City of Franklin, dated March 12, 2015, as submitted by the City of Franklin, as described above, be and the same is hereby approved, subject to the following conditions:

- 1. The City of Franklin, successors and assigns and any developer of the Kayla's Krew all-accessible and all-inclusive playground project shall pay to the City of Franklin the amount of all development compliance, inspection and review fees incurred by the City of Franklin, including fees of consults to the City of Franklin, for the Kayla's Krew all-accessible and all-inclusive playground project, within 30 days of invoice for same. Any violation of this provision shall be a violation of the Unified Development Ordinance, and subject to \$15-9.0502 thereof and \$1-19. of the Municipal Code, the general penalties and remedies provisions, as amended from time to time.
- 2. The approval granted hereunder is conditional upon the City of Franklin and the Kayla's Krew all-accessible and all-inclusive playground project for the property located at 11120 West Loomis Road: (i) being in compliance with all applicable

# CITY OF FRANKLIN - SITE PLAN AMENDMENT RESOLUTION NO. 2015-\_\_\_\_Page 2

governmental laws, statutes, rules, codes, orders and ordinances; and (ii) obtaining all other governmental approvals, permits, licenses and the like, required for and applicable to the project to be developed and as presented for this approval.

- 3. The City of Franklin Kayla's Krew all-accessible and all-inclusive playground project shall be developed in substantial compliance with the plans City file-stamped March 12, 2015.
- 4. A final Site Plan shall be submitted for the Kayla's Krew Playground and Park for Parks Commission and Common Council review and approval prior to the commencement of work for the Kayla's Krew Playground.
- 5. Victory of the Lamb, Inc. shall comply with the following conditions as previously required by Resolution 2014-015, a Resolution approval a Site Plan for Victory of the Lamb Lutheran Church Worship Center development:
  - a. The dumpster enclosure shall consist of materials that match that of the proposed building, subject to Department of City Development staff review and approval, prior to the issuance of a Building Permit
  - b. The Erosion Control/Grading Plan shall be revised to include rough grading, temporary landscaping, and appropriate long-term erosion control measures for the lands immediately adjacent to the northern portion of the parking lot for staff review and approval prior to issuance of a Building Permit.
  - c. Applicant shall connect to public sanitary sewer facilities once they become available.
  - d. Applicant shall submit a Lighting Plan in conformance with Division 15-5.0400 of the Unified Development Ordinance, for review and approval by Department of City Development staff, prior to issuance of a Building Permit.
  - e. All signs shall require separate review and approval by the Architectural Review Board and issuance of a Sign Permit from the Inspection Department.
  - f. Applicant shall obtain final approval of the storm water management plan from the City Engineer, prior to issuance of an Occupancy Permit.
  - g. Applicant shall submit a separate written Conservation Easement agreement for Common Council review and approval and recording with Milwaukee County.

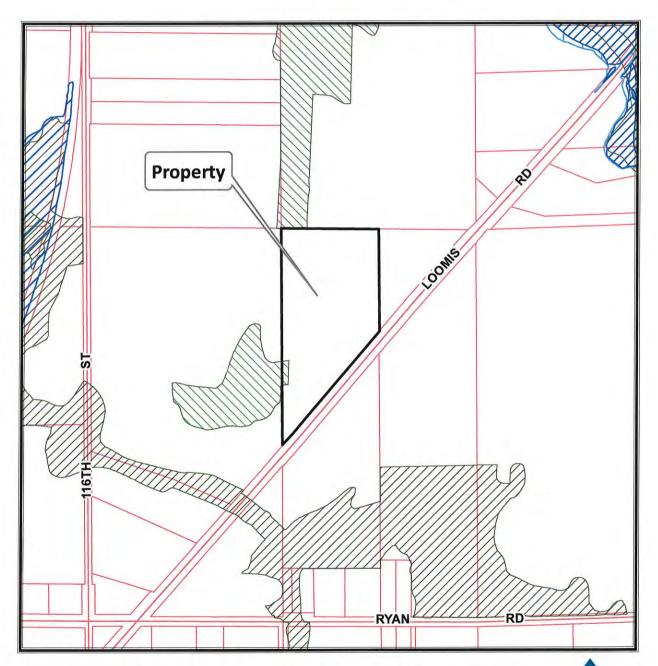
## 6. [other conditions, etc.]

BE IT FURTHER RESOLVED, by the Plan Commission of the City of Franklin, Wisconsin, that the City of Franklin Kayla's Krew all-accessible and all-inclusive playground development as depicted upon the plans City file-stamped March 12, 2015, attached hereto and incorporated herein, shall be developed and constructed within one year

MENDMENT
tion, or this Resolution and all rights and approvals without any further action by the City of Franklin; at 11120 West Loomis Road, as previously
of the Plan Commission of the City of Franklin this , 2015.
meeting of the Plan Commission of the City of, 2015.
APPROVED:
Stephen R. Olson, Chairman
1

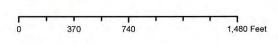


# TKN 889-9989-000 11120 West Loomis Road



# Planning Department (414) 425-4024





2013 Aerial Photo

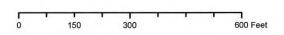
This map shows the approximate relative location of property boundaries but was not prepared by a professional land surveyor. This map is provided for informational purposes only and may not be sufficient or appropriate for legal, engineering, or surveying purposes.



# TKN 889-9989-000 11120 West Loomis Road



# Planning Department (414) 425-4024

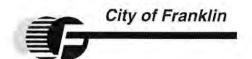


2013 Aerial Photo



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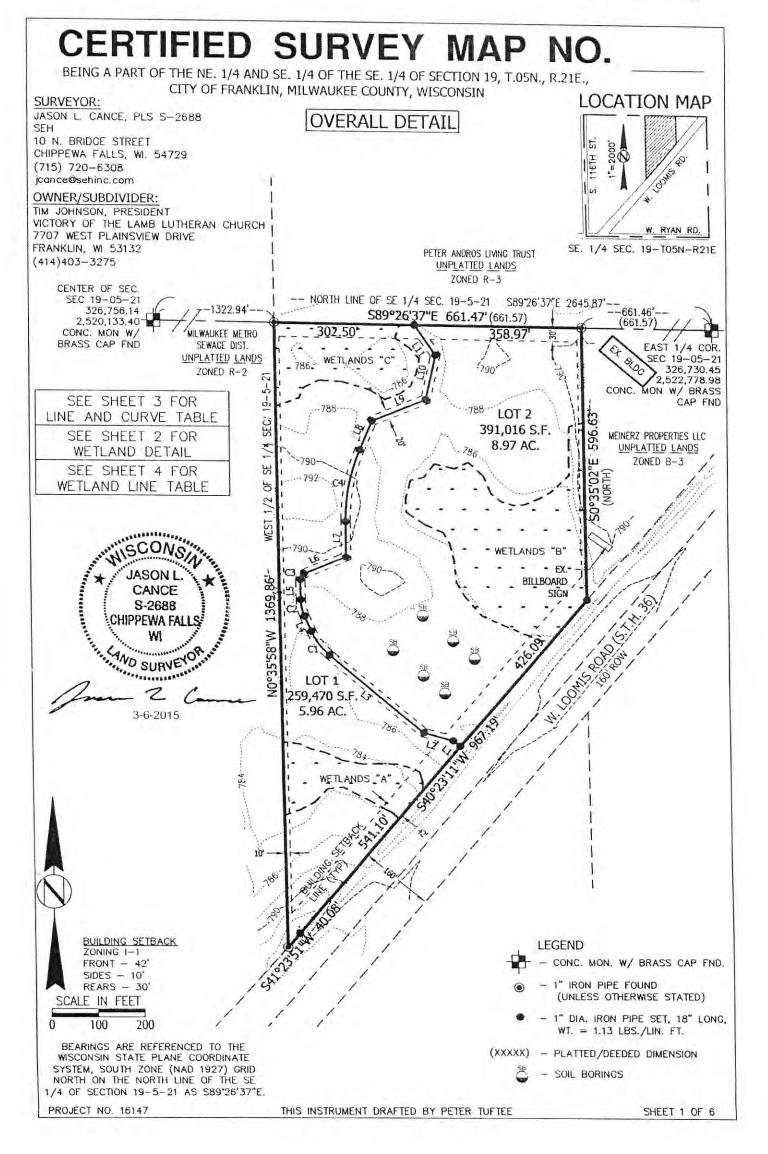
**Planning Department** 9229 West Loomis Road Franklin, Wisconsin 53132 Email: generalplanning@franklinwi.gov



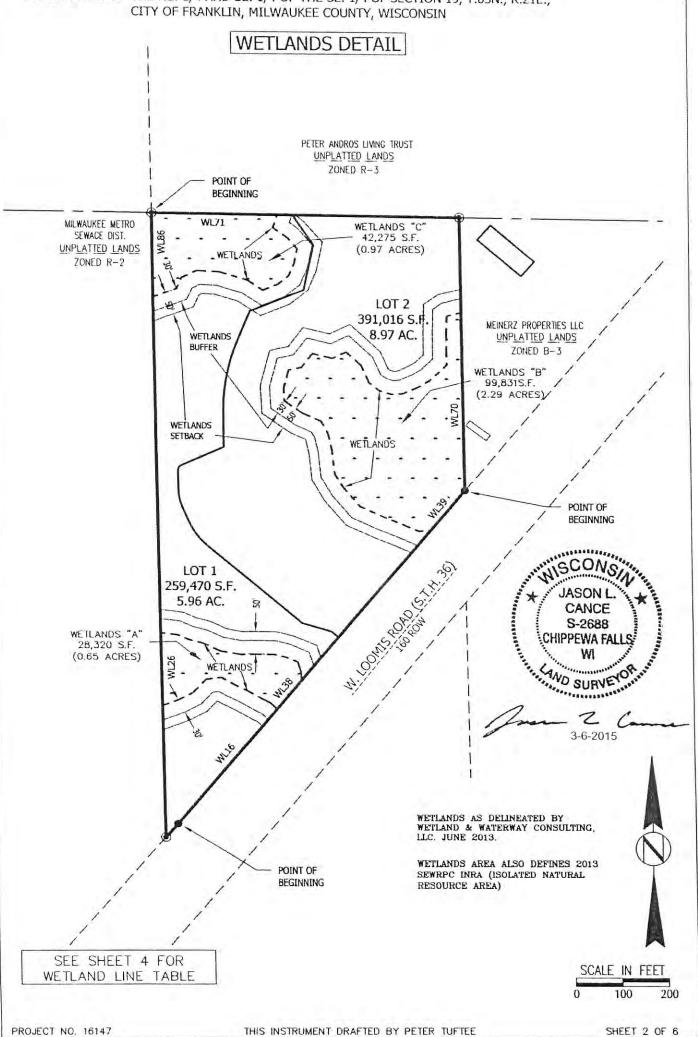
Phone: (414) 425-4024 Fax: (414) 427-7691 Web Site: www.franklinwi.gov

### Findings and Factors in the Review of Land Division Variances

Date: March 13, 2015	Case No.
Property Owner: Victory of the Lamb, Inc.	
Property Address: 11120 W. Loomis Road, Frank	lin WI 53132
variance to the provisions of Divisions 1 shall be granted unless the Plan Commiss	Franklin Unified Development Ordinance states, "No 5-5.0100, 15-8.0100, and 15-8.0200 of this Ordinance sion finds by the greater weight of the evidence that all and so indicates in the minutes of its proceedings:
enforcement of the requirements of this	or unusual circumstances or conditions where a literal s Ordinance would result in severe hardship.  Kayla's Krew non-profit organization and Victory of the Lamb Church to develop
an all-inclusiveplayground on this northwest corner of the	he subject property. The property contains woodlands, wetlands and the
associated wetland buffers and setbacks, which constrain	the site and restricts the location and width of the needed public right-of-way.
to suggest that the land division portion changed.  This is a very unique situation and development that does not get	ally to other properties or be such a recurrent nature as ons of the Unified Development Ordinance should be enerally apply to other developments. This is a special, unique park use that requires
public access through the church development. In conjunction	with the proposed playground is conservation land that will beutilized for passive
recreation and does not allow construction of the a road; therefore,	there is no alternative access to the playground other than through the church property.
Such variance is necessary for the pre- possessed by other properties in the san The proposed public right-of-way to access the Kayla's K	
adjacent properties, but rather will provide a public benefi	t and access to a City owned all-inclusive playground.
materially impair or be contrary to the interest.  Adjacent property owners will not be impacted. The reduction	ostantial detriment to adjacent property and will not be purpose and spirit of this Ordinance or the publication in right-of-way width is consistent with the intent of the ordinance as the future City owned all-inclusive park, while protecting the natural resources
located on the subject property. The width of actual pave	ment is not substantially reduced compared to UDO standards.



BEING A PART OF THE NE. 1/4 AND SE. 1/4 OF THE SE. 1/4 OF SECTION 19, T.05N., R.21E., CITY OF FRANKLIN. MILWAUKEE COUNTY. WISCONSIN



BEING A PART OF THE NE. 1/4 AND SE. 1/4 OF THE SE. 1/4 OF SECTION 19, T.05N., R.21E., CITY OF FRANKLIN, MILWAUKEE COUNTY, WISCONSIN

	Line/ Curve Table						
Line #	Direction	Length	ARC DIST	RADIUS	TAN BEARING 1	TAN BEARING 2	DELTA
L1	N49°36'49"W	19.36	1000				
L2	N73°58'11"W	65.75					
L3	N49°38'57"W	263.55					
C1	N36°32'24"W	64.87	65.44	143.00	S40°21'01"W	S66°34'11"W	26°13'11"
L4	N23°25'51"W	36.10		400		La constant de la con	1
C2	N12°00'55"W	36.81	37.06	93.00	S66°34'13"W	S89°23'57"W	22°49'43"
L5	N00°35'57"W	44.78					T.
C3	N32°59'05"E	14.38	15.24	13.00	S89°24'23"W	N23°26'13"W	67°09'24"
L6	N66°34'08"E	99.12			- my to account to		
L7	N00°00'00"E	79.15					
C4	N11°41'32"E	157.68	158.77	389.00	S89°59'56"W	N66°36'52"W	23°23'12"
L8	N23°23'11"E	68.01			I and the investment of the second		1
L9	N68°01'21"E	125.13	1				
L10	N12°25'03"E	101.03					
L11	N34°42'08"W	78.22					



3-6-2015

BEING A PART OF THE NE. 1/4 AND SE. 1/4 OF THE SE. 1/4 OF SECTION 19, T.05N., R.21E., CITY OF FRANKLIN, MILWAUKEE COUNTY, WISCONSIN

WE	WETLANDS "A" LINE TABLE			WETLANDS "B" LINE TABLE			TLANDS "C"	LINE TABLE
Line #	Length	Direction	Line #	Length	Direction	Line #	Length	Direction
WL16	333.58	N40'23'11"E	WL39	114.83	S40°23'11"W	WL71	270.05	S89*26'37 <b>"</b> E
WL17	19.65	N46'31'24"W	WL40	26.47	S85"15'25"W	WL72	29.43	S19"21'01"W
WL18	18.51	N63'34'04"W	WL41	33.52	N66'24'08"W	WL73	4.10	S50'29'33"E
₩L19	38.65	N60'43'23"W	WL42	49.72	N68*11'07"W	WL74	34.27	S54"48"44"E
<b>W</b> L20	32.97	N64'03'58"W	WL43	52.67	N65*39'09"W	WL75	31.34	S41'39'13"E
WL21	27.87	N60'49'07"W	WL44	55.40	N40"31'09"W	WL76	34.32	S12'25'03"W
WL22	33.20	S83'51'04"W	WL45	36.41	N29'55'07"W	WL77	28.10	S23'40'32"W
WL23	42.04	S44'12'27"W	WL46	51.77	N05*30'02*W	WL78	29.49	S52'02'30"W
WL24	34.61	S62'50'33"W	WL47	37.56	N12'55'26"W	₩L79	35.32	S68"01'21"W
WL25	36.18	S70'12'33"W	WL48	28.14	N29'39'59"W	WL80	39.15	N57"09"54"W
WL26	159.78	N00'35'58"W	WL49	45.85	N65'52'09"W	WL81	63.82	N73'22'03"W
WL27	35.75	S82'58'24"E	WL50	44.78	N55'43'35"W	WL82	47.45	N87'09'21"W
WL28	27.12	S66 12 58 E	WL51	27.88	N03'00'35"W	WL83	36.68	S64'04'41"W
WL29	32.28	S75'45'13"E	WL52	41.64	N15'16'19"E	WL84	26.09	S25'03'32"W
WL30	38.68	S65*10*50*E	WL53	28.52	N77"30"01"E	WL85	53.48	S69'56'27"W
WL31	47.11	S80°05′43″E	WL54	38.50	N38*27'27"E	WL86	182.96	N00'35'32"W
WL32	30.78	N88"29"24"E	WL55	43.88	S76*34*52*E			
WL33	39.60	S89"02"31"E	WL56	33.26	N64'57'46"E			
WL34	24.86	S75"41'01"E	WL57	43.33	\$47'43'24"E			
WL35	28.11	S67'25'13"E	WL58	41.73	S23'54'22"E			
WL36	22.76	S17'02'55"E	WL59	28.12	S52'08'53"E			
WL37	18.50	S00'08'43"W	WL60	26.62	S73'02'25"E			
WL38	81.46	S40°23'11"W	WL61	24.19	N85'49'57"E			
			1 4.2.24	10000	1000000000	1		

WL62 36.64 N66'47'40"E WL63 27.47 N59'46'19"E WL64 51.87 N47 14 58 E WL65 28.01 N01°00'52"W WL66 43.45 N00"14"52"E WL67 33.39 N01'35'36"E WL68 3.15 N55'12'33"E WL69 29.31 N75'36'18"E WL70 389.28 S00'35'01"E

S-2L CHIPPEWA HA WI WI SURVEYOR 2015

BEING A PART OF THE NE. 1/4 AND SE. 1/4 OF THE SE. 1/4 OF SECTION 19, T.05N., R.21E., CITY OF FRANKLIN, MILWAUKEE COUNTY, WISCONSIN

## SURVEYOR'S CERTIFICATE:

I, Jason L. Cance, Professional Land Surveyor hereby certify;

That I have surveyed, divided and mapped part of the NE 1/4 and SE 1/4 of the SE 1/4 of Section 19, T05N, R21E, City of Franklin, Waukesha County, Wisconsin more particularly described as follows:

Commencing at the East 1/4 corner of said Section 19, thence N89°26'37"W along the North line of the Southeast 1/4 of Section 19 a distance of 661.46 feet to the point of beginning of the hereinafter described lands:

Thence S00°35'02"E, 596.63 feet, to the North right-of-way of W. Loomis Road (S.T.H. 36) as described in Warranty deed # 7314748; thence S40°23'11"W, along said right-of-way, 967.19 feet; thence S41°23'51"W, along said right-of-way, 40.08 feet; thence N00°35'58"W, along the west 1/2 of the SE 1/4 of Sec. 19, 1369.86 feet, to a point on the North line of SE 1/4 of Sec. 19; thence S89°26'37"E, 661.47 feet to the point of beginning.

Said lands contain 650,486 Sq.Ft. Or 14.93 Acres.

That I have made such survey, land division and plat by the direction of the owner(s) of said lands.

That such survey is a correct representation of all the exterior boundaries of the lands surveyed and the division thereof made.

That I have fully complied with the provisions of Chapter 236 of the Wisconsin State Statutes and the subdivision regulations of the City of Franklin and Milwaukee County in surveying, dividing and mapping the same.

Dated this 6th day of March, 2015.

Fason L. Cance, PLS 2688



## COMMON COUNCIL APPROVAL:

Approved by the Common Council of the City of Franklin on this	day of	, 20
Stephen Olson, Mayor		
All control and co		
Sandra L. Wesolowski, City Clerk		

BEING A PART OF THE NE. 1/4 AND SE. 1/4 OF THE SE. 1/4 OF SECTION 19, T.05N., R.21E., CITY OF FRANKLIN, MILWAUKEE COUNTY, WISCONSIN

# CONSENT OF CORPORATE MORTGAGEE:

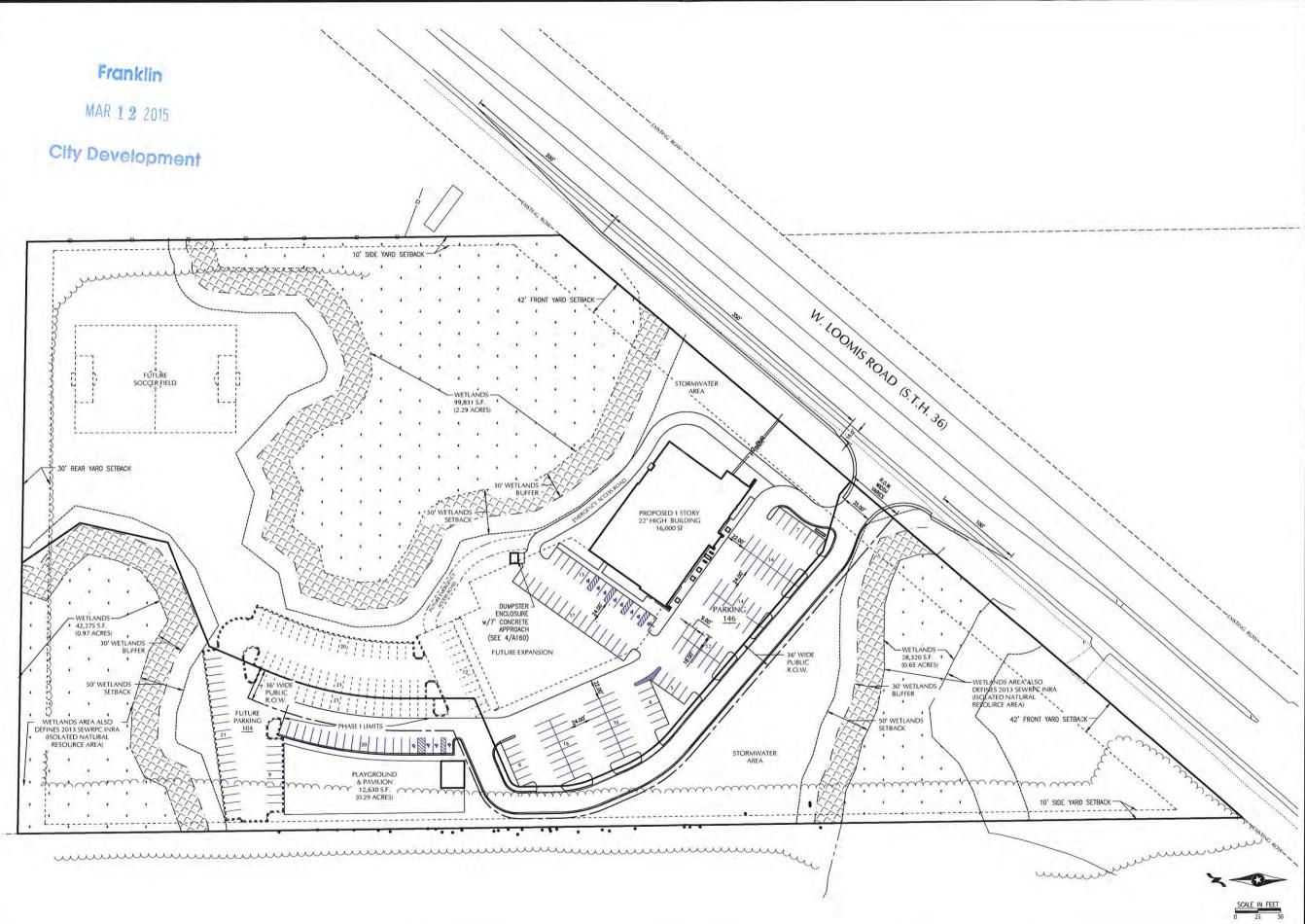
PROJECT NO. 16147

laws of the State of	, a corporation duly	shows described the total	act and by virtue of the
surveying dividing mapping and de-	dication of the land described	above described land, does	hereby consent to the
surveying, dividing, mapping and decapose certificate of victory of the Lamb I			eby consent to the
IN WITNESS WHEREOF, said		has ca	used these presents t
be signed by	, its _		, and countersigned b
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, and its corporate seal to	be hereunto affixed this	day of	, 20
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STATE OF)			
COUNTY) SS)			
Personally came before me this			
the above named			
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	of the above r	ramed corporation, to me k	snown to be the
persons who executed the foregoing	instrument, and to me know	vn to be such	
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persons who executed the foregoing and	instrument, and to me know final of said corporation, and final corporation, by its	vn to be suchd acknowledged that they established authority.	executed the foregoing

THIS INSTRUMENT DRAFTED BY PETER TUFTEE

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SHEET 6 OF 6





ENGINEERS LANDSCAPE ARCHITECTS
SURVEYORS • PLANNERS

GREEN TIER

F THE LAMB LOOMIS RD. CITY OF FRANKLIN, WISCONSIN VICTORY OF 1 0 (10700) W. LC

MARCH, 2015