

Photo No. Date 8 5/13/16

Description

Upland sample point SP-8, facing south-southeast.





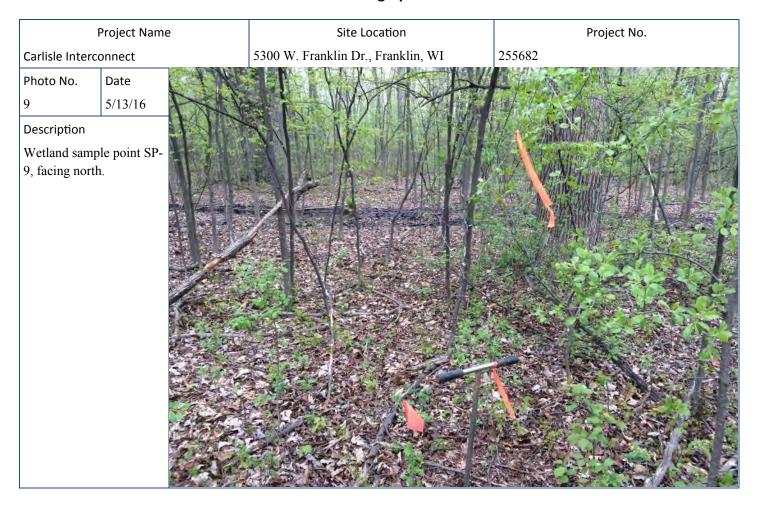


Photo No.

Date

10

5/13/16

Description

Upland sample point SP-10, facing northwest.





Project Name Site Location Project No.

Carlisle Interconnect 5300 W. Franklin Dr., Franklin, WI 255682

Photo No. Date

11 5/13/16

Description

Wetland sample point SP-11, facing northwest.



Photo No. Date

12 5/13/16

Description

Wetland sample point SP-12, facing west.





Carlisle Interconnect

Site Location 5300 W. Franklin Dr., Franklin, WI Project No.

Photo No.

12

Date 5/13/16

Project Name

Description

Representative photo of shallow roots on *Ostrya virginiana* in hardwood swamp.



Photo No.

13

Date

5/13/16

Description

Representative photo of adventitious/shallow roots on *Rhamnus cathartica* in hardwood swamp.





Project Name
Carlisle Interconnect

Site Location 5300 W. Franklin Dr., Franklin, WI Project No.

Photo No.

14

Date 5/13/16

255682

Description

Representative photo of adventitious/shallow roots on *Ostrya virginiana*.



Photo No.

Date

15 5/13/16

Description

View of western portion of Study Area, roadside.







# APPENDIX E: WETLAND DETERMINATION DATA FORMS



Project/Site: Carlisle Interconnect		City	//County:	Franklin / Mi	lwaukee	Sampling Date:	11-May-16
Applicant/Owner: Carlisle Interconnect /	/ JP Cullen			State:	Sai	mpling Point:	SP-1
Investigator(s): Ron Londré, Amanda La	arsen	S	ection, Tow	nship, Range:	s 26 T 5N	N R 21E	
Landform (hillslope, terrace, etc.): Backs	clono			Local relief (c	oncave, convex, none	): convex	_
Slope: 3.0% 1.7 ° Lat.:			Long.:			Datum:	
Soil Map Unit Name: Blount silt loam						5 <b></b>	
Are climatic/hydrologic conditions on the		voora Yes	No O	(If no ex	plain in Remarks.)	TS/EZK	
Are Vegetation		ignificantly dist		•		oresent? Yes	● No ○
		-			ormal Circumstances" p	or coont.	3 110 0
Are Vegetation, Soil SUMMARY OF FINDINGS - A		naturally proble			ded, explain any answ		s. etc.
Hydrophytic Vegetation Present?	Yes  No		1				-,
3 . 3 0	Yes  No		Is th	e Sampled A			
Hydric Soil Present?	Yes  No		with	in a Wetland	l? Yes  ● No (	)	
Wetland Hydrology Present?  Remarks:	res 🙂 No 🔾						
Based on the presence of all three  VEGETATION - Use scie			Dominant				
(5)			Species? Rel.Strat.	Indicator	Dominance Test v	vorksheet:	
Tree Stratum (Plot size: 15' x 150'	)	% Cover	Cover	Status	Number of Dominar		
			<b>✓</b> 100.0% ☐ 0.0%	FACW	That are OBL, FACV	/, or FAC:	3 (A)
2		0 [	0.0%		Total Number of Do		. (5)
4			0.0%		Species Across All S	trata:	3 (B)
5			0.0%	0	Percent of domina		20.00( (A/D)
			= Total Cov	er	That Are OBL, FA	CW, or FAC:10	00.0% (A/B)
_Sapling/Shrub_Stratum (Plot size: 15	' x 50' )				Prevalence Index	worksheet:	
1. Rhamnus cathartica		50	86.2%	FAC	Total % Cov	ver of: Multiply b	oy:
2. Crataegus crus-galli		5[	8.6%	FAC	OBL species	x 1 =	0
3. Prunus virginiana		3[	5.2%	FACU	FACW species	<u>85</u> x 2 =	170
4		Г	0.0%		FAC species		225
5		 	0.0%		FACU species	<u>14</u> x 4 =	56
<u>Herb Stratum</u> (Plot size: 5' r	)		= Total Cov —	er	UPL species	x 5 =	0
1. Phragmites australis		60	56.6%	FACW	Column Totals:	<u>174</u> (A)	<u>451</u> (B)
2. Rhamnus cathartica			18.9%	FAC	Prevalence In	$idex = B/A = \underline{2}$	2.592
3. Phalaris arundinacea		15	14.2%	FACW	Hydrophytic Vege	tation Indicators:	
4. Rosa multiflora		5[	4.7%	FACU	1 - Rapid Test	for Hydrophytic Vege	tation
Solidago canadensis     Sonchus arvensis		$\frac{3}{3}$		FACU FACU	✓ 2 - Dominance	Test is > 50%	
7.		0 [	0.0%	TACO	✓ 3 - Prevalence	Index is ≤3.0 <sup>1</sup>	
8.		0 [	0.0%		4 - Morphologi	cal Adaptations 1 (Pro	ovide supporting
9.		0	0.0%			ks or on a separate sh ydrophytic Vegetation	-
10.		0	0.0%				
Woody Vine Stratu (Plot size: 15')	× 150'	106	= Total Cov	er		dric soil and wetland s disturbed or problen	
		о [	0.0%				
2.		0 [	0.0%		Hydrophytic		
-			= Total Cov	er	Vegetation Present? Y	'es ● No ○	
			3.2. 331				
Remarks: (Include photo numbers	here or on a separate s	heet.)					
The criterion for hydrophytic veget	•	•	e linear sh	ape of the v	vetland. Shrub carr	/ fresh (wet) meado	w wetland
complex.				•		, ,	

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

Depth	•	Matrix				ox Featı			e absence of indicator			
(inches)	Color (r		%	Color (	(moist)	<u>%</u>	Type 1	Loc2	Texture		Re	emarks
0-4	10YR	3/1	100						Sandy Clay Loam			
4-11	10YR	4/1	88	10YR	5/8	10	С	M	Sandy Clay			
				10YR	5/6	2		M				
11.20	10VD	F /2							Condu Clau			
11-20	10YR	5/2		10YR	5/6	20	C	M	Sandy Clay			
								-	•			
ype: C=Con	centration, D	=Depletion	n, RM=Redu	ced Matrix,	CS=Covere	d or Coa	ted Sand Gr	ains.	<sup>2</sup> Location: PL=Pore Lir	ing. M=N	latrix.	
lydric Soil I	Indicators:								Indicators for Pro			Soils 3 .
Histosol (	A1)			☐ Sar	ndy Gleyed	Matrix (S	4)				•	30115 .
Histic Epip	pedon (A2)			Sar	ndy Redox (	(S5)			Coast Prairie Re		)	
Black Hist				Str	ipped Matri:	x (S6)			☐ Dark Surface (S	•	(= 4.0)	
	Sulfide (A4)			Loa	amy Mucky	Mineral (	F1)		☐ Iron Manganese			
_	Layers (A5)			Loa	amy Gleyed	Matrix (F	<sup>-</sup> 2)		☐ Very Shallow Da			
2 cm Muc	` '			<b>✓</b> De	pleted Matri	ix (F3)			Other (Explain i	n Remark	s)	
- ·	Below Dark S		11)	Red	dox Dark Su	ırface (Fé	5)					
_	k Surface (A1	•		☐ De	pleted Dark	Surface	(F7)		3 Indicators of hyd	ophytic v	egetation	and
	ıck Mineral (S			Rec	dox Depress	sions (F8)	)		wetland hydro	logy must	be prese	ent,
	ky Peat or Pe								unless disturl	bed of pro	bbiematic.	
estrictive L	ayer (if obso	erved):										
<b>-</b>	<u>one</u>											No O
Type: No	h\ 818								Hydric Soil Present	? Ye:	s 🕓	NO U
Depth (incl	hes): <u>NA</u> for hydric so	oil is met							Hydric Soil Present	? Ye:	<u> </u>	NO U
Depth (incl	· -	oil is met							Hydric Soil Present	? Ye:	s ·	NO O
Depth (inclements:	for hydric so	oil is met							Hydric Soil Present	? Ye	s	NO O
Depth (included)	for hydric so								Hydric Soil Present	? Ye	s	NO O
Depth (included per	for hydric so	cators:		check all th	nat apply)							of two required
Depth (inclements) e criterion  YDROLC  Tetland Hyde	for hydric so  OGY  Irology India ators (minimu	cators:			nat apply) Vater-Staine	ed Leaves	s (B9)			dicators (r	ninimum	
Depth (includer property of the criterion of the criterio	for hydric so  OGY  Irology Indicators (minimulators (M1) er Table (A2)	cators: im of one		v			s (B9)		Secondary In	dicators (r	ninimum (B6)	
Depth (incleanance) POROLO Petland Hydrimary Indica Surface W High Wate	for hydric so  OGY  Irology Indicators (minimulators (M1) er Table (A2)	cators: im of one		U V	Vater-Staine	na (B13)			Secondary In	dicators (r bil Cracks Patterns (	minimum (B6) (B10)	of two required
Depth (incleanance) POROLO Petland Hydrimary Indica Surface W High Wate	OGY Irology Indicators (minimulators (minimulators (A1) er Table (A2) in (A3)	cators: im of one		U V	Vater-Staine Aquatic Faur True Aquatic Hydrogen Su	na (B13) : Plants (l ulfide Odd	B14) or (C1)		Secondary In Surface S Drainage Dry Seaso Crayfish E	dicators (r bil Cracks Patterns ( n Water <sup>1</sup>	ninimum (B6) (B10) Fable (C2	of two required
Depth (incleanable) Petland Hydrimary Indicators Surface W High Water Saturation Water Ma Sediment	ogy Irology Indicators (minimulvater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2	cators: im of one		U V	Vater-Staine Aquatic Faur True Aquatic Hydrogen Su	na (B13) : Plants (l ulfide Odd	B14)	Roots (C3)	Secondary In Surface S Drainage Dry Seaso Crayfish E	dicators (r bil Cracks Patterns ( n Water <sup>1</sup> urrows (C	minimum (B6) (B10) Fable (C2	of two required
Pepth (inclements: e criterion  YDROLC  Yetland Hydrimary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo	oGY Irology Indicators (minimulators (minimulator (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3)	cators: im of one		V   A   T   H   C	Vater-Staine Aquatic Faur True Aquatic Hydrogen Su Oxidized Rhi Presence of	na (B13) Plants (l Ilfide Odo zosphere Reduced	B14) or (C1) os on Living   Iron (C4)		Secondary In Surface S Drainage Dry Seasc Crayfish E Saturation Stunted o	dicators (r Dil Cracks Patterns ( In Water <sup>1</sup> urrows (C In Visible o r Stressec	ninimum (B6) (B10) Fable (C2 C8) n Aerial I	of two required ) magery (C9)
Depth (inclemants: e criterion  YDROLC  etland Hyd rimary Indica  Surface W High Wate Saturation Water Ma Sediment Drift Depo	for hydric so DGY Irology India ators (minimuman) Vater (A1) er Table (A2) in (A3) irks (B1) Deposits (B2) osits (B3) or Crust (B4)	cators: im of one		V   A   T   H   C   P	Vater-Staine Aquatic Faur Frue Aquatic Hydrogen Su Dxidized Rhi. Presence of Recent Iron	na (B13) Plants (lulfide Odo zosphere Reduced	B14) or (C1) s on Living I Iron (C4) n in Tilled S		Secondary Inc Surface S Drainage Dry Seaso Crayfish E Saturation Stunted o	dicators (r oil Cracks Patterns ( n Water I urrows (C n Visible o r Stressec nic Positio	minimum (B6) (B10) Fable (C2 (S8) n Aerial I I Plants (I n (D2)	of two required ) magery (C9)
Pepth (included in the control of th	for hydric so DGY Irology India ators (minimuman) Vater (A1) er Table (A2) in (A3) irks (B1) Deposits (B2) osits (B3) or Crust (B4)	cators: im of one		V	Vater-Staine Aquatic Faur True Aquatic Hydrogen Su Oxidized Rhi Presence of Recent Iron Thin Muck St	na (B13) Plants (I Ilfide Odd zosphere Reduced Reduction urface (C	B14) or (C1) os on Living l Iron (C4) on in Tilled S		Secondary In Surface S Drainage Dry Seasc Crayfish E Saturation Stunted o	dicators (r oil Cracks Patterns ( n Water I urrows (C n Visible o r Stressec nic Positio	minimum (B6) (B10) Fable (C2 (S8) n Aerial I I Plants (I n (D2)	of two required ) magery (C9)
Pepth (included in the control of th	OGY Irology Indiators (minimulators (Minimul	cators: Im of one	is required;	V	Vater-Staine Aquatic Faur Frue Aquatic Hydrogen Su Dxidized Rhi. Presence of Recent Iron	na (B13) Plants (I Ilfide Odd zosphere Reduced Reduction urface (C	B14) or (C1) os on Living l Iron (C4) on in Tilled S		Secondary Inc Surface S Drainage Dry Seaso Crayfish E Saturation Stunted o	dicators (r oil Cracks Patterns ( n Water I urrows (C n Visible o r Stressec nic Positio	minimum (B6) (B10) Fable (C2 (S8) n Aerial I I Plants (I n (D2)	of two required ) magery (C9)
Pepth (inclements) Property Pr	or Crust (B4)	cators: Im of one	is required;	V	Vater-Staine Aquatic Faur True Aquatic Hydrogen Su Oxidized Rhi Presence of Recent Iron Thin Muck St	na (B13) Plants (I Ilfide Odo Zosphere Reduced Reduction urface (C	B14) or (C1) s on Living I Iron (C4) n in Tilled S 77)		Secondary Inc Surface S Drainage Dry Seaso Crayfish E Saturation Stunted o	dicators (r oil Cracks Patterns ( n Water I urrows (C n Visible o r Stressec nic Positio	minimum (B6) (B10) Fable (C2 (S8) n Aerial I I Plants (I n (D2)	of two required ) magery (C9)
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Pepth (incident of the content of th	of hydric solutions for hydric solutions (minimulators (mi	cators: Im of one  ) Aerial Imagincave Surf	is required; gery (B7) Face (B8)	V	Vater-Staine Aquatic Faur Frue Aquatic Hydrogen Su Didized Rhi Presence of Recent Iron Thin Muck St Gauge or We Other (Expla	na (B13) Plants (I Ilfide Odd Zosphere Reduced Reductio Refuctio Refuced Refuced Refuced Reductio Refuced Reductio Refuced Refuced Reductio	B14) or (C1) s on Living I Iron (C4) n in Tilled S 77)		Secondary Inc Surface S Drainage Dry Seaso Crayfish E Saturation Stunted o	dicators (r oil Cracks Patterns ( n Water I urrows (C n Visible o r Stressec nic Positio	minimum (B6) (B10) Fable (C2 (S8) n Aerial I I Plants (I n (D2)	of two required ) magery (C9)
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Depth (incleaning property)  Property (incleaning property)  P	of hydric solutions of hydric solutions (minimum vater (A1) er Table (A2) er Table (A2) or (A3) er (A3) or Crust (B4) exists (B5) er Visible on A vegetated Column (A3) er Present?	cators: Im of one  ) Aerial Imagincave Surf	is required; gery (B7) face (B8)	V	Vater-Staine Aquatic Faur Frue Aquatic Hydrogen Su Didized Rhi Presence of Recent Iron Thin Muck St Gauge or We Other (Expla	na (B13) Plants (I Ilfide Odd Zosphere Reduced Reduction urface (C Ell Data ( in in Ren These):	B14) or (C1) s on Living I Iron (C4) n in Tilled S 77)	bils (C6)	Secondary In Surface S Drainage Dry Seasc Crayfish E Saturation Stunted o FAC-Neut	dicators (r bil Cracks Patterns ( in Water <sup>1</sup> urrows (C in Visible o ir Stressec nic Positio ral Test (I	minimum (B6) (B10) Fable (C2 (S8) n Aerial I I Plants (I n (D2) (D5)	of two required ) magery (C9) D1)
Depth (includer includer inclu	of hydric solutions of the hydric solutions (Minimulators (minimulators (minimulators (minimulators (minimulators (minimulators (minimulators (Ma)) and (Ma) (Ma) and (Ma) and (Ma) and (Ma) and (Minimulators (Minimulators) and (Minimulators)	cators: Im of one  Aerial Imagincave Surf	gery (B7) Face (B8)  No	V	Vater-Staine Aquatic Faur Frue Aquatic Hydrogen Su Didized Rhi Presence of Recent Iron Thin Muck So Gauge or We Other (Expla	na (B13) Plants (I Ilfide Odd zosphere Reduced Reduction urface (C Ell Data ( in in Ren  nes):	B14) or (C1) s on Living ( Iron (C4) n in Tilled S 7) D9) narks)	bils (C6)	Secondary Inc Surface S Drainage Dry Seaso Crayfish E Saturation Stunted o	dicators (r bil Cracks Patterns ( in Water <sup>1</sup> urrows (C in Visible o ir Stressec nic Positio ral Test (I	minimum (B6) (B10) Fable (C2 (S8) n Aerial I I Plants (I n (D2)	of two required ) magery (C9)
Depth (inclements: Demarks: De	of hydric solutions for hydric solutions:  Tresent?  Tresent of the hydric solution (A3)  Tricks (B1)  Deposits (B2)  Tricks (B3)  Tricks (B4)  Tricks (B5)	cators: Im of one  Verial Imaginates Surfaces Su	gery (B7) Face (B8)  No (1) No (2) No (3)	V	Vater-Staine Aquatic Faur Frue Aquatic Hydrogen Su Didized Rhi Presence of Recent Iron Thin Muck So Gauge or We Dither (Expla  Depth (incl  Depth (incl	na (B13) Plants (I Ilfide Odd Zosphere Reduced Reduction urface (C Ell Data ( in in Ren Enes): Enes	B14) or (C1) s on Living I Iron (C4) n in Tilled S 77) D9) narks)	oils (C6)	Secondary In Surface S Drainage Dry Seasc Crayfish E Saturation Stunted o FAC-Neut	dicators (r bil Cracks Patterns ( in Water <sup>1</sup> urrows (C in Visible o ir Stressec nic Positio ral Test (I	minimum (B6) (B10) Fable (C2 (S8) n Aerial I I Plants (I n (D2) (D5)	of two required ) magery (C9) D1)
Depth (includes capillescribe Rec	of hydric solutions for hydric solutions:  Tresent?  Tresent of the hydric solution (A3)  Tricks (B1)  Deposits (B2)  Tricks (B3)  Tricks (B4)  Tricks (B5)	cators: Im of one  Aerial Imag ncave Surf  Yes  Yes  (stream	gery (B7) Face (B8)  No No gauge, mo	V	Vater-Staine Aquatic Faur Frue Aquatic Hydrogen Su Dividized Rhi Presence of Recent Iron Thin Muck Si Gauge or We Other (Expla Depth (incl Depth (incl Depth (incl Present Iron	na (B13) Plants (I Ilfide Odd zosphere Reduced Reduction urface (C Ell Data ( in in Ren Enes): Enes)	B14) or (C1) s on Living I Iron (C4) n in Tilled S 77) D9) narks)	oils (C6)	Secondary Inc Surface S Drainage Dry Seasc Crayfish E Saturation Stunted o FAC-Neut	dicators (r bil Cracks Patterns ( in Water <sup>1</sup> urrows (C in Visible o ir Stressec nic Positio ral Test (I	minimum (B6) (B10) Fable (C2 (S8) n Aerial I I Plants (I n (D2) (D5)	of two required ) magery (C9) D1)
Depth (includes capillescribe Rec	or hydric solutions of the state of the stat	cators: Im of one  Aerial Imag ncave Surf  Yes  Yes  (stream	gery (B7) Face (B8)  No No gauge, mo	V	Vater-Staine Aquatic Faur Frue Aquatic Hydrogen Su Dividized Rhi Presence of Recent Iron Thin Muck Si Gauge or We Other (Expla Depth (incl Depth (incl Depth (incl Present Iron	na (B13) Plants (I Ilfide Odd zosphere Reduced Reduction urface (C Ell Data ( in in Ren Enes): Enes)	B14) or (C1) s on Living I Iron (C4) n in Tilled S 77) D9) narks)	oils (C6)	Secondary Inc Surface S Drainage Dry Seasc Crayfish E Saturation Stunted o FAC-Neut	dicators (r bil Cracks Patterns ( in Water <sup>1</sup> urrows (C in Visible o ir Stressec nic Positio ral Test (I	minimum (B6) (B10) Fable (C2 (S8) n Aerial I I Plants (I n (D2) (D5)	of two required ) magery (C9) D1)

Project/Site: Carlisle Interconnect	City/County:	Franklin / Mi	ilwaukee	Sampling Date: _	11-May-16
Applicant/Owner: Carlisle Interconnect / JP Cullen		State:		mpling Point:	
Investigator(s): Ron Londré, Amanda Larsen		ownship, Range	: S 26 T 5N	R 21E	
Landform (hillslope, terrace, etc.): Shoulder slope		Local relief (d	concave, convex, none)	: convex	
Slope: 6.0% 3.4 ° Lat.:	Long.	.:		Datum:	
Soil Map Unit Name: Ashkum silty clay loam (AsA)					
Are climatic/hydrologic conditions on the site typical for this time of y	vear? Yes  No C	(If no, e:	xplain in Remarks.)	NOTIC	
	ignificantly disturbed?		ormal Circumstances" p	resent? Yes	○ No ●
	aturally problematic?		eded, explain any answe	reserre.	
SUMMARY OF FINDINGS - Attach site map show	• •				s, etc.
Hydrophytic Vegetation Present? Yes No				<u>·</u>	·
Hydric Soil Present? Yes No •		the Sampled A		_	
Wetland Hydrology Present? Yes ○ No ●	wi	ithin a Wetland	d? Yes O No 🤄	9	
Remarks:				_	
Remarks:  Circumstances are not normal due to mowing of vegetation	n Based on the abse	ence of all thre	ee narameters, this n	ooint is located in an	unland
official stations are not normal add to maning or regiment	I. Dusou on the acti	51100 Or a.i	o paramotors, the p	offic is roodtod a	иріана.
<b>VEGETATION</b> - Use scientific names of plan	nts. Domina Species				
- 0. /Dist size, 15' v 150'	Absolute Rel.Stra	at. Indicator	Dominance Test w	orksheet:	
	% Cover Cover 0 0.09		Number of Dominant		4
1. 2.			That are OBL, FACW	, or FAC:	(A)
3			Total Number of Dor		C (D)
4			Species Across All St	rata:	(B)
5	0 0.09		Percent of domina		(4/D)
	= Total C		That Are OBL, FAC	CW, or FAC:	0.0% (A/B)
_Sapling/Shrub_Stratum (Plot size: 15' x 50' )			Prevalence Index v	worksheet:	
1	0 0.0%	%	Total % Cov		ογ:
2.		%	OBL species	0 x 1 =	0
3	0 0.09	%	FACW species	0 x 2 =	0
4	0 0.09	%	FAC species	35 x 3 =	105
5	0 0.09	%	FACU species	53 x 4 =	212
<u>Herb Stratum</u> (Plot size: 5' r )	0 = Total C	Cover	UPL species	<u>10</u> x 5 =	50
1. Poa compressa	40 40.89	%FACU	Column Totals:	98(A)	367 (B)
2. Poa pratensis	30 🗸 30.69	% FAC	Prevalence Inc	$dov = R/\Delta = 3$	3.745_
3. Daucus carota	10 10.29	% UPL			1.745
4. Medicago sativa	5 5.1%	% FACU	Hydrophytic Veget	ation Indicators: for Hydrophytic Vege	tation
5. Plantago major	5 5.19	% FAC	2 - Dominance	, , , ,	tation
6. Trifolium repens	5 5.19		3 - Prevalence		
7. Sonchus arvensis	3 3.19			cal Adaptations <sup>1</sup> (Pro	ovide supporting
8 9.	0 0.09		data in Remark	s or on a separate sh	neet)
10.	0 0.09		Problematic Hy	drophytic Vegetation	າ <sup>1</sup> (Explain)
10	98 = Total C		1 Indicators of hyd	dric soil and wetland	hydrology must
Woody Vine Stratu (Plot size: 15' x 150' )	= 10tai ∪	,over		disturbed or problen	
1	0 0.09	%	l ,.		
2	0 0.09	%	Hydrophytic Vegetation		
	0 = Total C	Cover	Present? Ye	es O No 💿	
			<u>t</u>		
Remarks: (Include photo numbers here or on a separate sh	•				
Vegetation significantly disturbed due to recent mowing. A	Although mowed, veg	getation is still	identifiable. The cri-	terion for hydrophytic	c vegetation is
not met.					

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

Profile Desc	ription: (Des	scribe to	the depth n	eeded to	documen	it the ind	icator or c	onfirm th	e absence of indicators.)	
Depth		Matrix			Rec	dox Featu			_	
(inches)	Color (r	noist)	<u>%</u>	Color (r	moist)	_%	Type 1	Loc2	Texture	Remarks
0-12	10YR	4/3	60						Sandy Clay Loam	
	10YR	5/3	40							
12-20	10YR	5/4	96	10YR	4/2	2	D	М	Sandy Clay	
				10YR	5/6	2	C	M		
						-				
						- —				
						- ——				
<sup>1</sup> Type: C=Con	centration, D	=Depletio	n, RM=Reduc	ed Matrix,	CS=Cover	ed or Coa	ted Sand Gr	rains.	<sup>2</sup> Location: PL=Pore Lining	. M=Matrix.
Hydric Soil				_					Indicators for Proble	ematic Hydric Soils 3:
Histosol (						d Matrix (S	.4)		Coast Prairie Redox	(A16)
	ipedon (A2)				ndy Redox				Dark Surface (S7)	· (viie)
Black His	n Sulfide (A4)			'	ipped Matr	` '			☐ Iron Manganese Ma	asses (F12)
	Layers (A5)					y Mineral (I			Very Shallow Dark	
2 cm Muc						d Matrix (F	<del>-</del> 2)		Other (Explain in R	
	Below Dark S	Surface (A	11)	= '	pleted Mati	` ,	-		Outer (Explain	emarks,
	rk Surface (A1	•	,			Surface (F6	,		2	
	uck Mineral (S	•				k Surface			3 Indicators of hydroph	hytic vegetation and y must be present,
l —	cky Peat or Pe	•		∟. кеа	ox Depres	ssions (F8)	)		wetiand hydrology unless disturbed	
Restrictive L										<u> </u>
Type: N	•									
Depth (inc									Hydric Soil Present?	Yes O No 💿
Remarks:										
	to be fill m	atorial fro	om whon ar	· adiacont	t narkinal	lot was c	onstructed	The crit	terion for hydric soil is no	t mot
Julia appeara	) (O De IIII 1111	alciiai ii c	JIII WIICII GII	aujacem	parkingi	Ut was co	JIISHUGICA	. IIIc cin	teriori ioi riyuno son is no	t met.
HYDROLO	)GY									_
-		-1								
Wetland Hyd	•••		is required; (	th sale all	at apply)				Secondary Indica	ators (minimum of two required
	ators (minimu	TUI OI OIIE	IS required, c				(00)			
	Nater (A1)					ned Leaves	s (B9)		Surface Soil (	
	ter Table (A2)			_	quatic Fau		D14)		☐ Drainage Pat	• •
Saturatio						ic Plants (E			☐ Dry Season v	Vater Table (C2)
Water Ma				`		Sulfide Odd		Daata (C2)		• •
	t Deposits (B2	.)				-	es on Living	Roots (Us)		sible on Aerial Imagery (C9)
	oosits (B3) t or Crust (B4)	<b>\</b>				f Reduced		alla (C4)	Geomorphic I	tressed Plants (D1)
	osits (B5)	,					n in Tilled S	Olis (Co)	FAC-Neutral	• •
	osits (65) on Visible on A	Agrial Ima	gary (R7)			Surface (C Vell Data (I	•		I AG-Neutiai	Test (D3)
	Vegetated Co				Ü					
Sparsery	Vegetated 66	IILave Jui	Idle (Do)	<u> </u>	ther (Expi	lain in Rem	narks)			
Field Observ	rations:									
Surface Water		Yes	○ No ●	)	Depth (inc	ches):				
		Yes		)				_		
Water Table F					Depth (inc	ches):		_   Wet	land Hydrology Present?	Yes ○ No •
Saturation Pre (includes capi		Yes (	O No •		Depth (inc	ches):		_		
		(stream	gauge, mor	itoring we	ell, aerial	photos,	previous in	nspection	s), if available:	
WETS analys	sis, WWI ma	ap, Soils i	map, aerial	imagery,	prior deli	neation				
Remarks:		-								
Based on a V	WETS analys	sis, antec	cedent hydro	ologic con	ditions w	ere withi	in a norma	l range.	The criterion for wetland	hydrology is not met.
			=	ŭ				-		

Section   Sect	Project/Site: Carlisle Interconnect	City/County:	Franklin / Mi	ilwaukee Sampling Date:11-May-16
Section   Countries   Ranger   S   26   T   5N   R   21E	Applicant/Owner: Carlisle Interconnect / JP Cullen		State:	WI Sampling Point: SP-3
Content   Design   Content   D				
Solid   Description   Descri	andform (hillogon torross ata). Taralara			
Note   Continue   Self Map Unit Name   Ashkum sitiv clav   Ioann (Ask)	· · ·			
The climatic hydrologic conditions on the site typical for this time of year? Yes ♥ No ○    No	Slope: 0.0% 0.0 ° Lat.:	Long.:		
Ver Vegetation   Soil   or Hydrology   significantly disturbed?   Ace "Normal Circumstances' present?   Yes				NWI classification: T3/E2K
Ver Vegetation   Soil	Are climatic/hydrologic conditions on the site typical for this time of	<sub>of year?</sub> Yes ● No ○	(If no, ex	xplain in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present?  Yes No No within a Wetland?  Yes No No No within a Wetland?  Yes No			Are "No	ormal Circumstances" present? Yes   No
Hydrophytic Vegetation Present?   Yes	Are Vegetation , Soil , or Hydrology	naturally problematic?	(If nee	ded, explain any answers in Remarks.)
Is the Sampled Area within a Wetland?   Yes   No   Yes   No   No   Yes   No   No   No   No   No   No   No   N	SUMMARY OF FINDINGS - Attach site map sho	owing sampling poi	nt locatio	ns, transects, important features, etc.
Within a Wetland?   Ves	Hydrophytic Vegetation Present? Yes No	T		·
Ves	Hydric Soil Present? Yes  No O			
Number of Dominant Species   Number of Domi		with	in a Wetland	d? Yes ● No ○
VEGETATION - Use scientific names of plants.				_
Absolute   Rel. Stratum   Plot size: 30' r		ants. Dominant	t	
1. Fraxinus pennsylvanica   5		Absolute Rel.Strat	Indicator	Dominance Test worksheet:
2.		% Cover Cover	Status	Number of Dominant Species
3.			FACW	That are OBL, FACW, or FAC:6(A)
3.         0         0.0%         Species Across All Strata:         6         (B)           4.         0         0.0%         Percent of dominant Species That Are OBL, FACW, or FAC:         100.0%         (A/B)           5.         1. Fraxinus pennsylvanica         5         ✓ 45.5%         FACW         Percent of dominant Species That Are OBL, FACW, or FAC:         100.0%         (A/B)           2. Acer negundo         3         ✓ 27.3%         FAC         OBL species         110         x 1 = 110         FAC Species         6         x 2 = 52         FAC Species         6         x 2 = 52         FAC Species         6         x 2 = 52         FAC Species         6         x 3 = 18         FAC Species         6         x 4 = 24         UPL Species         6         x 4 = 24         UPL Species         6         x 4 = 24         UPL Species         5         x 5 = 25         Species Across All Strata:         6         X 4 = 54         X 4         X 5 = 5         Across All Strata:         6         X 4 = 54         X 4         X 5 = 5         X 5 = 10         <	2	_ 0		Total Number of Dominant
Sabilino/Shrub Stratum (Plot size: 15' r   )				
Sablina/Shrub Stratum (Plot size: 15' r   )				Percent of deminant Charles
Sapilino/Shrub Stratum (Plot size: 15' r   )	5			
1. Fraxinus pennsylvanica 2. Acer negundo 3.	Capling/Chruh Stratum (Plot size: 15' r	= Total Cov	/er	
2. Acer negundo 3.		5 A5 50/	E A C) A /	
3. Salix bebbiana  3.	_			
4.				<u> </u>
Description	1	0 000		
Herb Stratum (Plot size: 5' r   )				<u> </u>
1. Typha angustifolia				
2. Carex stricta       40       ✓ 29.2%       OBL       Prevalence Index = B/A = 1.497         3. Symphyotrichum puniceum       10       7.3%       OBL       Hydrophytic Vegetation Indicators:         4. Euthamia graminifolia       8       5.8%       FACW         5. Daucus carota       5       3.6%       UPL         6. Solidago gigantea       5       3.6%       FACW         7. Barbarea vulgaris       3       2.2%       FACU         8. Cirsium vulgare       3       2.2%       FACU         9. Sonchus arvensis       3       2.2%       FACU         10.       0       0.0%       Provide supporting data in Remarks or on a separate sheet)         Woody Vine Stratu       (Plot size: 30' r       )       137       = Total Cover       Provide supporting data in Remarks or on a separate sheet)         1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.       Hydrophytic Vegetation         2.       0       0.0%       Hydrophytic Vegetation	<u>Herb Stratum</u> (Plot size: 5' r )		701	
3. Symphyotrichum puniceum  4. Euthamia graminifolia  5. Daucus carota  6. Solidago gigantea  7. Barbarea vulgaris  8. Cirsium vulgare  9. Sonchus arvensis  10.  10.  10.  10.  10.  10.  10.  10	1. Typha angustifolia		OBL	Column Totals: <u>153</u> (A) <u>229</u> (B)
4. Euthamia graminifolia  8	2. Carex stricta	40 29.2%	OBL	Prevalence Index = B/A =1.497
4. Euthamia graminifolia  5. Daucus carota  6. Solidago gigantea  7. Barbarea vulgaris  8. Cirsium vulgare  9. Sonchus arvensis  10.  0 0 0.0%  Woody Vine Stratu (Plot size: 30' r )  1. Q 0 0.0%  2. Dominance Test for Hydrophytic Vegetation  1. April Test for Hydrophytic Vegetation  2. Dominance Test is > 50%  3. Aprevalence Index is ≤ 3.0¹  4. Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)  1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Hydrophytic Vegetation  1. Hydrophytic Vegetation  4. Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Hydrophytic Vegetation  Vegetation	3. Symphyotrichum puniceum	10	OBL	Hydrophytic Vegetation Indicators:
5. Daucus carota       5       3.6%       UPL         6. Solidago gigantea       5       3.6%       FACW         7. Barbarea vulgaris       3       2.2%       FACU         8. Cirsium vulgare       3       2.2%       FACU         9. Sonchus arvensis       3       2.2%       FACU         10.       0       0.0%         Woody Vine Stratu       (Plot size: 30' r       )         1.       0       0.0%         2.       0       0.0%         Hydrophytic       Vegetation         Value       Vegetation	-	85.8%_	FACW	
6. Solidago gigantea  7. Barbarea vulgaris  8. Cirsium vulgare  9. Sonchus arvensis  10.  0  137  ■ Total Cover  1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Hydrophytic Vegetation  1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
8. Cirsium vulgare 9. Sonchus arvensis 10.  0 0 0.0%  Woody Vine Stratu (Plot size: 30' r ) 1.  0 0 0.0%  137 = Total Cover  0 0.0%  1 1				
9. Sonchus arvensis  10.  0 0.0%  Woody Vine Stratu (Plot size: 30' r )  1.  0 0.0%  137 = Total Cover  1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  1 Hydrophytic Vegetation  Hydrophytic Vegetation  Hydrophytic Vegetation  Vegetation  Vegetation  Vegetation	_			
10.    O				data in Remarks or on a separate sheet)
Woody Vine Stratu (Plot size: 30' r )  137 = Total Cover be present, unless disturbed or problematic.  1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  1 Hydrophytic Vegetation			FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratu (Plot size: 30' r )	10.			1 Indicators of hydric soil and wetland hydrology must
2. Hydrophytic Vegetation	Woody Vine Stratu (Plot size: 30' r )	= Total Cov	/er	
2. Hydrophytic Vegetation	<del></del>	0 0.0%		
		0 0.0%		Vanatation
0 = Total Cover Present? Tes C NO C		0 = Total Cov	/er	Present? Yes No
Remarks: (Include photo numbers here or on a separate sheet.)	Remarks: (Include photo numbers here or on a separate	sheet.)		
The criterion for hydrophytic vegetation is met. Shallow marsh / sedge meadow plant community.			nlant commi	unity
The state of the s	The criterion for hydrophytic vedetation is met. Shallow	marsh / Seque meadow i	יייוווווו נטוווווווו	
	The criterion for hydrophytic vegetation is met. Shallow	marsn / seuge meadow ,	piarit commi	anty.

Profile Desc	ription: (De		the depth n	eeded to docu			onfirm th	ne absence of indicators.)
Depth (inches)	Color (	Matrix moist)	%	Color (mois	Redox Feat	ures Type <sup>1</sup>	Loc2	
0-7	10YR	3/1	95		1/6 5	C	_ <u>LOC</u>	Sandy Clay Loam
7-11	10YR	2/1	90		5/6 10		M	
	-							Sandy Clay
11-23	10YR	4/1		10YR 5	5/6 30	C	M	Sandy Clay
	-							
1 T 0 . 0	tti F							21tion Di Done Linion M Matrix
٠,	Indicators:	epietio	n, Rivi=Reduc	ed Matrix, CS=	covered of Coa	iteu Sanu Gr	airis.	<sup>2</sup> Location: PL=Pore Lining. M=Matrix.
Histosol				Sandy G	leyed Matrix (S	(A)		Indicators for Problematic Hydric Soils <sup>3</sup> :
	ipedon (A2)				edox (S5)	) <del>4</del> )		Coast Prairie Redox (A16)
Black His					Matrix (S6)			Dark Surface (S7)
Hydroge	n Sulfide (A4)				Mucky Mineral (	′F1)		Iron Manganese Masses (F12)
Stratified	Layers (A5)				Gleyed Matrix (			☐ Very Shallow Dark Surface (TF12)
2 cm Mu	ck (A10)			_	d Matrix (F3)	/		Other (Explain in Remarks)
<b>✓</b> Depleted	Below Dark	Surface (A	11)		ark Surface (F	6)		
	rk Surface (A	•		_	d Dark Surface	-		<sup>3</sup> Indicators of hydrophytic vegetation and
	uck Mineral (			Redox D	epressions (F8	)		wetland hydrology must be present,
5 cm Mu	cky Peat or P	eat (S3)						unless disturbed or problematic.
Restrictive	ayer (if obs	erved):						
Type: _ <u>I</u>	lone							Hydric Soil Present? Yes ● No ○
Depth (in	ches): <u>NA</u>							Hydric Soil Present? Yes S NO
Remarks:								
The criterior	for hydric s	oil is met	t.					
HYDROL	OGY							
Wetland Hy	drology Ind	icators:						
Primary Indi	cators (minim	um of one	is required; o	heck all that ap	ply)			Secondary Indicators (minimum of two required
Surface	Water (A1)			Water	-Stained Leave	s (B9)		Surface Soil Cracks (B6)
High Wa	ter Table (A2)	)		Aquati	c Fauna (B13)			Drainage Patterns (B10)
✓ Saturation	on (A3)			True A	Aquatic Plants (	B14)		Dry Season Water Table (C2)
Water M	arks (B1)			Hydro	gen Sulfide Od	or (C1)		Crayfish Burrows (C8)
Sedimen	t Deposits (B	2)		Oxidiz	ed Rhizosphere	es on Living I	Roots (C3)	) Saturation Visible on Aerial Imagery (C9)
Drift De	oosits (B3)			Preser	nce of Reduced	Iron (C4)		Stunted or Stressed Plants (D1)
Algal Ma	t or Crust (B4	)		Recen	t Iron Reductio	n in Tilled So	oils (C6)	Geomorphic Position (D2)
Iron Dep	osits (B5)			Thin M	Muck Surface (0	27)		FAC-Neutral Test (D5)
Inundati	on Visible on	Aerial Imag	gery (B7)	Gauge	or Well Data (	(D9)		
Sparsely	Vegetated Co	oncave Sur	face (B8)	Other	(Explain in Rer	marks)		
Field Obser		Yes	○ No ●	)	.l. (!			
Surface Wate	r Present?				h (inches):		-	
Water Table	Present?	Yes	No C	Dept Dept	h (inches):	14	_ \	tland Hydrology Present? Yes  No
Saturation Pr		Yes	● No ○	Dept	h (inches):	3	wet	tland Hydrology Present? Yes ♥ No 🔾
(includes cap Describe Re				itoring well. a	erial photos.	previous ir	nspection	ns), if available:
				imagery, prioi	-		1	,
Remarks:			ap, aoriai		200011011			
	WFTS analy	cic anton	adent hydr	logic conditio	ns wara with	in a norma	l rango	The criterion for wetland hydrology is met. Sample poir
	n elevation t			nogic conuntio	TIS ANCIE ANIIII	a 11011111	i range.	The attendition wettand frydrology is thet. Sample poli
		_						

Project/Site: Carlisle Interconnect	City/County:	Franklin / Mi	lwaukee s	Sampling Date:11-May-16
Applicant/Owner: _Carlisle Interconnect / JP Cullen		State:		Point: SP-4
Investigator(s): Ron Londré, Amanda Larsen				-
			oncave, convex, none): con	
· · · · · · · · · · · · · · · · · · ·				
Slope: <u>3.0%</u> <u>1.7</u> ° Lat.:	Long.:			Datum:
Soil Map Unit Name: Ashkum silty clay loam (AsA)			NWI classification	: <u>T3K</u>
Are climatic/hydrologic conditions on the site typical for this time of	<sub>year?</sub> Yes ♥ No ♡	(If no, ex	plain in Remarks.)	
	ignificantly disturbed?		rmal Circumstances" present	? Yes ● No ○
Are Vegetation, Soil, or Hydrology n	aturally problematic?	(If nee	ded, explain any answers in R	Remarks.)
SUMMARY OF FINDINGS - Attach site map show	wing sampling po	int locatio	ns, transects, import	ant features, etc.
Hydrophytic Vegetation Present? Yes No •				
Hydric Soil Present? Yes ● No ○		he Sampled <i>F</i> hin a Wetland		
Wetland Hydrology Present? Yes ○ No ●	With	iiii a vvetiaiit	·· Yes ∪ No ●	
Remarks:				
Based on the absence of two of three parameters, this point	nt is located in an upla	and.		
based on the absence of two of three parameters, this pen	in is located in an apic	iiia.		
<b>VEGETATION</b> - Use scientific names of plan				
	Absolute Rel.Strat		Dominance Test worksh	eet:
<u>Tree Stratum</u> (Plot size: <u>30' r</u> )	% Cover Cover	Status	Number of Dominant Speci	es
1. Quercus alba	30 66.7%	FACU	That are OBL, FACW, or FA	
2. Ostrya virginiana	10 22.2%	FACU	Total Number of Dominant	
3. Fraxinus pennsylvanica		FACW	Species Across All Strata:	
4	0 0.0%			
5	0 0.0%		Percent of dominant Spe That Are OBL, FACW, or	
	45 = Total Co	ver	That are OBL, FACW, or	FAC:
_Sapling/Shrub Stratum (Plot size: 15' r )			Prevalence Index works	heet:
1. Prunus virginiana		FACU	Total % Cover of:	Multiply by:
2. Rhamnus cathartica			OBL species 0	x 1 =0
3. Ostrya virginiana			FACW species 8	x 2 = <u>16</u>
4. Lonicera morrowii			FAC species 21	x 3 = <u>63</u>
5	0 .0%		FACU species 114	4
<u>Herb Stratum</u> (Plot size: 5' r )	= Total Co	ver	UPL species 6	x 5 = <u>30</u>
1. Prunus virginiana	15 🗹 32.6%	FACU	Column Totals: 149	9 (A) <u>565</u> (B)
2. Taraxacum officinale	10 🗹 21.7%	FACU	Prevalence Index =	B/A = 3.792
3. Carex blanda	3 6.5%	FAC		
4. Carex pensylvanica	3 6.5%	UPL	Hydrophytic Vegetation	
5. Drymocallis arguta	3 6.5%	FACU		drophytic Vegetation
6. Phalaris arundinacea	3 6.5%	FACW	2 - Dominance Test is	
7. Ribes cynosbati	3 6.5%	FAC	3 - Prevalence Index	
8. Rosa multiflora	3 6.5%	FACU	4 - Morphological Addata in Remarks or o	aptations 1 (Provide supporting n a separate sheet)
9. Aster cordifolius	3 6.5%	UPL	_	nytic Vegetation <sup>1</sup> (Explain)
10	0 0.0%			
	46 = Total Co	ver	† Indicators of hydric so be present, unless distur	oil and wetland hydrology must
	0		be present, unless distal	ibed of problematic.
1	0 0.0%		Hydrophytic	
2	0 0.0%		Vegetation	No •
	0 = Total Co	ver	Present? Yes	NO C
Remarks: (Include photo numbers here or on a separate sl	neet.)			
The criterion for hydrophytic vegetation is not met.				

Depth (inches)  0-5  5-24	NA.	atrix	•		dox Featu		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	e absence of indicators.)	
	Color (mo		Colo	r (moist)	<u>%</u>	Type 1	Loc2	Texture	Remarks
5-24	10YR	3/1 100	1		-	-		Sandy Loam	
	10YR	4/2 70	10YR	4/1	20		М	Sandy Clay	
			10YR	5/6	10	С	M		
	-						IVI		
		<del></del>			-				
1 Type: C=Cor	ncentration, D=E	Denletion PM-	Poducod Matr	iv CS-Cover	ed or Coa	ted Sand Gr	aine	<sup>2</sup> Location: PL=Pore Lining.	M-Matriy
Hydric Soil		repletion, Kivi-	Reduced Mati	ix, c3=cover	ed or coa	teu Sanu Gi	airis.	<del>-</del>	
Histosol (				Sandy Gleyed	Matriy (S	4)		Indicators for Problem	natic Hydric Soils 3:
	ipedon (A2)			Sandy Redox		٦)		Coast Prairie Redox (	A16)
Black His				Stripped Matr				Dark Surface (S7)	
Hydroger	n Sulfide (A4)			Loamy Mucky		F1)		☐ Iron Manganese Mas	ses (F12)
Stratified	Layers (A5)			Loamy Gleyed				Very Shallow Dark Su	urface (TF12)
2 cm Mu	ck (A10)			Depleted Mat		-)		Other (Explain in Rer	marks)
<b>✓</b> Depleted	l Below Dark Sur	face (A11)		Redox Dark S		5)			
Thick Da	rk Surface (A12)			Depleted Dar	•	•		<sup>3</sup> Indicators of hydrophy	tio vometation
Sandy Mi	uck Mineral (S1)			Redox Depres				wetland hydrology	ric vegetation and must be present.
5 cm Mu	cky Peat or Peat	(S3)		rodon Bopro	33.01.3 (1 0)	<b>,</b>		unless disturbed o	
Restrictive L	_ayer (if obser	ved):							
Type: _N	lone								
Depth (inc	ches): <u>NA</u>							Hydric Soil Present?	Yes   No
Remarks:									
HYDROL	OGY								
	drology Indica								
Wetland Hyd		tors:							
_	cators (minimum		ired; check all	I that apply)				Secondary Indicato	ors (minimum of two required
Primary Indic	cators (minimum Water (A1)		ired; check al	that apply)  Water-Stair	ed Leaves	s (B9)		Secondary Indicate	
Primary Indic			ired; check al	1		s (B9)			acks (B6)
Primary Indic	Water (A1) ter Table (A2)		ired; check al	Water-Stair	na (B13)			Surface Soil Cr	acks (B6) rns (B10)
Primary Indic	Water (A1) ter Table (A2) on (A3)		ired; check all	Water-Stair Aquatic Fau	ina (B13) c Plants (I	B14)		Surface Soil Cr Drainage Patte	acks (B6) rns (B10) ater Table (C2)
Primary Indic  Surface V  High Wat  Saturatio  Water Ma	Water (A1) ter Table (A2) on (A3)		ired; check all	Water-Stair Aquatic Fau True Aquati	na (B13) c Plants (l ulfide Odo	B14) or (C1)	Roots (C3)	Surface Soil Cr Drainage Patte Dry Season Wa	acks (B6) rns (B10) ater Table (C2)
Primary Indic	Water (A1) ter Table (A2) on (A3) arks (B1)		ired; check all	Water-Stair Aquatic Fau True Aquati Hydrogen S	ina (B13) c Plants (I ulfide Odo iizosphere	B14) or (C1) s on Living	Roots (C3)	Surface Soil Cr Drainage Patte Dry Season Wa Crayfish Burrov Saturation Visil	acks (B6) rns (B10) ater Table (C2) vs (C8)
Primary Indic	Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2)		ired; check al	Water-Stair Aquatic Fau True Aquati Hydrogen S Oxidized Rr	na (B13) c Plants (I ulfide Odo izosphere Reduced	B14) or (C1) s on Living l Iron (C4)		Surface Soil Cr Drainage Patte Dry Season Wa Crayfish Burrov Saturation Visil	acks (B6) rns (B10) ster Table (C2) svs (C8) sole on Aerial Imagery (C9) sessed Plants (D1)
Primary Indic	Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) oosits (B3)		ired; check al	Water-Stair Aquatic Fau True Aquati Hydrogen S Oxidized Rh	na (B13) c Plants (I ulfide Odd izosphere Reduced Reduction	B14) or (C1) s on Living   Iron (C4) n in Tilled S		Surface Soil Cr Drainage Patte Dry Season Wa Crayfish Burrov Saturation Visil	acks (B6) rns (B10) ster Table (C2) vs (C8) ole on Aerial Imagery (C9) essed Plants (D1) sition (D2)
Primary Indic	Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) posits (B3) t or Crust (B4)	of one is requi		Water-Stair Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iror	na (B13) c Plants (I ulfide Odd izosphere Reduced Reduction Surface (C	B14) or (C1) s on Living l Iron (C4) n in Tilled S 7)		Surface Soil Cr Drainage Patte Dry Season Wa Crayfish Burrov Saturation Visil Stunted or Stre	acks (B6) rns (B10) ster Table (C2) vs (C8) ole on Aerial Imagery (C9) essed Plants (D1) sition (D2)
Primary Indic	Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) posits (B3) t or Crust (B4) posits (B5)	of one is requi		Water-Stair Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iror	na (B13) c Plants (I ulfide Odo izosphere Reduced Reduction Surface (C	B14) or (C1) s on Living l Iron (C4) n in Tilled S 7)		Surface Soil Cr Drainage Patte Dry Season Wa Crayfish Burrov Saturation Visil Stunted or Stre	acks (B6) rns (B10) ster Table (C2) vs (C8) ole on Aerial Imagery (C9) essed Plants (D1) sition (D2)
Primary Indice Surface N High Wat Saturatio Water Ma Sediment Drift Dep Algal Mat Iron Dep Inundatio Sparsely	Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) posits (B3) t or Crust (B4) posits (B5) on Visible on Aer Vegetated Conc	of one is requi		Water-Stair Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W	na (B13) c Plants (I ulfide Odo izosphere Reduced Reduction Surface (C	B14) or (C1) s on Living l Iron (C4) n in Tilled S 7)		Surface Soil Cr Drainage Patte Dry Season Wa Crayfish Burrov Saturation Visil Stunted or Stre	acks (B6) rns (B10) ster Table (C2) vs (C8) ole on Aerial Imagery (C9) essed Plants (D1) sition (D2)
Primary Indice Surface V High Wat Saturatio Water Ma Sediment Drift Dep Algal Mat Iron Dep Inundatic Sparsely	Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) oosits (B3) t or Crust (B4) oosits (B5) on Visible on Aer Vegetated Conc	of one is required in the second of the seco	77)	Water-Stair Aquatic Fau True Aquati Hydrogen S Oxidized Rr Presence of Recent Iron Thin Muck S Gauge or W Other (Expl	na (B13) c Plants (I ulfide Odc izosphere Reduced Reduction Surface (C /ell Data (I ain in Rem	B14) or (C1) s on Living I Iron (C4) n in Tilled S 7) D9) narks)	pils (C6)	Surface Soil Cr Drainage Patte Dry Season Wa Crayfish Burrov Saturation Visil Stunted or Stre	acks (B6) rns (B10) ster Table (C2) vs (C8) ole on Aerial Imagery (C9) essed Plants (D1) sition (D2)
Primary Indice Surface V High Wat Saturatio Water Ma Sediment Drift Dep Algal Mat Iron Dep Inundatic Sparsely  Field Observ Surface Water	Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) cosits (B3) t or Crust (B4) cosits (B5) on Visible on Aer Vegetated Conc	of one is required in the second of the seco	77)	Water-Stair Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Expl	na (B13) c Plants (I ulfide Odd izosphere Reduced Reduction Surface (C /ell Data (i ain in Rem	B14) or (C1) s on Living ( Iron (C4) n in Tilled S 7) D9) narks)	bils (C6)	Surface Soil Cr Drainage Patte Dry Season Wa Crayfish Burrov Saturation Visil Stunted or Stre	acks (B6) rns (B10) ster Table (C2) vs (C8) ole on Aerial Imagery (C9) essed Plants (D1) sition (D2)
Primary Indic  Surface N High Wat Saturatio Water Ma Sediment Drift Dep Algal Mat Iron Dep Inundatic Sparsely  Field Observ Surface Water Water Table F	Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) cosits (B3) t or Crust (B4) cosits (B5) on Visible on Aer Vegetated Conc vations: or Present? Present?	rial Imagery (B'ave Surface (B'ave S	77)	Water-Stair Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Expl	na (B13) c Plants (I ulfide Odd izosphere Reduced Reduction Surface (C /ell Data (i ain in Rem	B14) or (C1) s on Living I Iron (C4) n in Tilled S 7) D9) narks)	bils (C6)	Surface Soil Cr Drainage Patte Dry Season Wa Crayfish Burrov Saturation Visil Stunted or Stra Geomorphic Pc FAC-Neutral Te	acks (B6) rns (B10) ater Table (C2) ws (C8) ole on Aerial Imagery (C9) essed Plants (D1) est (D5)
Primary Indic  Surface V High Wat Saturatio Water Ma Sediment Drift Dep Algal Mat Iron Dep Inundatic Sparsely  Field Observ Surface Water Water Table F Saturation Pre	Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) posits (B3) t or Crust (B4) posits (B5) on Visible on Aer Vegetated Conc  vations: or Present? Present?	rial Imagery (B'ave Surface (B'ave S	77)	Water-Stair Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Expl	na (B13) c Plants (I ulfide Odc izosphere Reduced Reduction Surface (C /ell Data (i ain in Ren ches):	B14) or (C1) s on Living ( Iron (C4) n in Tilled S 7) D9) narks)	bils (C6)	Surface Soil Cr Drainage Patte Dry Season Wa Crayfish Burrov Saturation Visil Stunted or Stre	acks (B6) rns (B10) ster Table (C2) vs (C8) ole on Aerial Imagery (C9) essed Plants (D1) sition (D2)
Primary Indice Surface N High Wat Saturatio Water Ma Sediment Drift Dep Algal Mat Iron Dep Inundatic Sparsely  Field Observ Surface Water Water Table F Saturation Procincludes capit	Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) oosits (B3) t or Crust (B4) oosits (B5) on Visible on Aer Vegetated Conc  vations: or Present? Present? esent?	rial Imagery (Bave Surface (Ba	7)	Water-Stair Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Expl	na (B13) c Plants (I ulfide Odd izosphere Reduced Reduction Surface (C /ell Data (I ain in Ren ches):	B14) or (C1) s on Living ( Iron (C4) n in Tilled S 7) D9) narks)	oils (C6)	Surface Soil Cr Drainage Patte Dry Season Wa Crayfish Burrov Saturation Visil Stunted or Stra Geomorphic Pc FAC-Neutral Te	acks (B6) rns (B10) ater Table (C2) ws (C8) ole on Aerial Imagery (C9) essed Plants (D1) est (D5)
Primary Indic  Surface V High Wat Saturatio Water Ma Sediment Drift Dep Algal Mat Iron Dep Inundatio Sparsely  Field Observ Surface Water Water Table F Saturation Pre (includes capi	Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) oosits (B3) t or Crust (B4) oosits (B5) on Visible on Aer Vegetated Conc  vations: or Present? Present? esent?	rial Imagery (B'ave Surface (Biave S	77)	Water-Stair Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Expl	na (B13) c Plants (I ulfide Odd izosphere Reduced Reduction Surface (C /ell Data (I ain in Rem ches): ches): photos,	B14) or (C1) s on Living ( Iron (C4) n in Tilled S 7) D9) narks)	oils (C6)	Surface Soil Cr Drainage Patte Dry Season Wa Crayfish Burrov Saturation Visil Stunted or Stre Geomorphic Po FAC-Neutral Te	acks (B6) rns (B10) ater Table (C2) ws (C8) ole on Aerial Imagery (C9) essed Plants (D1) est (D5)
Primary Indic  Surface V High Wat Saturatio Water Ma Sediment Drift Dep Algal Mat Iron Dep Inundatio Sparsely  Field Observ Surface Water Water Table F Saturation Pre (includes capi	Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) cosits (B3) t or Crust (B4) cosits (B5) on Visible on Aer Vegetated Conc  vations: or Present? Present? esent? illary fringe) corded Data (se	rial Imagery (B'ave Surface (Biave S	77)	Water-Stair Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Gauge or W Other (Expl	na (B13) c Plants (I ulfide Odd izosphere Reduced Reduction Surface (C //ell Data (I ain in Rem ches): ches): photos,	B14) or (C1) s on Living ( Iron (C4) n in Tilled S 7) D9) narks)	oils (C6)	Surface Soil Cr Drainage Patte Dry Season Wa Crayfish Burrov Saturation Visil Stunted or Stre Geomorphic Po FAC-Neutral Te	acks (B6) rns (B10) ater Table (C2) ws (C8) ole on Aerial Imagery (C9) essed Plants (D1) est (D5)
Primary Indic  Surface N High Wat Saturatio Water Ma Sediment Drift Dep Algal Mat Iron Dep Inundatio Sparsely  Field Observ Surface Water Water Table F Saturation Pro (includes capi Describe Rec WETS analys	Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) posits (B3) t or Crust (B4) posits (B5) on Visible on Aer Vegetated Conc  vations: er Present? Present? ersent? ersent? illary fringe) corded Data (ssis, WWI map	rial Imagery (Base Surface (Ba	7) (S) (S) (S) (S) (S) (S) (S) (S) (S) (S	Water-Stair Aquatic Fau Aquatic Fau True Aquati Hydrogen S Oxidized Rh Presence of Recent Iror Thin Muck S Gauge or W Other (Expl  Depth (inc Depth (inc Depth (inc) Well, aerial ry, prior deli	na (B13) c Plants (I ulfide Odc izosphere Reduced Reduction Surface (C /ell Data (I ain in Ren ches): ches): photos, neation	B14) or (C1) s on Living I Iron (C4) n in Tilled Si 7) D9) narks)	- Wet	Surface Soil Cr Drainage Patte Dry Season Wa Crayfish Burrov Saturation Visil Stunted or Stre Geomorphic Po FAC-Neutral Te	acks (B6) rns (B10) ater Table (C2) ws (C8) ole on Aerial Imagery (C9) essed Plants (D1) esition (D2) est (D5)  Yes No

re Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)  SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.	Project/Site: Carlisle Interconnect		Ci	ity/County:	Franklin / Mi	lwaukee	Sampling Date:	11-May-16
Section, Township, Range: S   26   1   5N   R   21E	Applicant/Owner: Carlisle Interconnect	' JP Cullen			State:	WI	Sampling Point:	SP-5
Local relief (concave, convex, none)   Concave   Concave   Conceve   Conce	Investigator(s): Ron Londré, Amanda La				vnship, Range:	S 26 T	5N R 21E	
Designation   Continue   Contin		lono					one): concave	_
all Map Unit Name: Achieum sitity clav from (AsA)  re dimaticitypticogic condition on the site bytical or this time of year? Yes  No  (If no, explain in hematics.)  re Vegetation		•						
re clientic/hydrologic conditions on the site typical for this time of year? Yes ● No	Slope:0.0%0.0_			Long.:				
A compared a compared to compare the second of the presence of all three parameters, this point is located within a wetland?				0 0		NWI cl	assification: T3K	
A compared a compared to compare the second of the presence of all three parameters, this point is located within a wetland?	Are climatic/hydrologic conditions on the	site typical for this time of	<sub>year?</sub> Yes	● No ○	(If no, ex	plain in Remarks.)		
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.  Production of Prosent? Yes No					Are "No	ormal Circumstance	s" present? Yes	No
Is the Sampled Area within a Wetland?  VEGETATION - Use scientific names of plants.  Dominant Species?  Ires Stratum (Plot size: 30' r )  Absolute Rel Stratu (P	Are Vegetation , Soil	, or Hydrology n	aturally prob	lematic?	(If nee	ded, explain any ai	nswers in Remarks.)	
Is the Sampled Area   Ves   No   No   within a Wetland?   Ves   No   No   Wetland Hydrotoxy Present?   Ves   We	SUMMARY OF FINDINGS - A	ttach site map show	wing sam	pling poi	nt locatio	ns, transects	, important feature	es, etc.
Within a Wetland?   Yes	Hydrophytic Vegetation Present?	Yes ● No ○						
VecETATION - Use scientific names of plants   Species	Hydric Soil Present?							
Note				with	nin a Wetland	¹? Yes ● N	10 🔾	
Tree Stratum (Plot size: 30' r   )   Absolute   Species? Rel. Strat.   Indicator   Species?   Species.   Speci	3 03	103 0 110 0						
Absolute   Species   Species   Species   Status   Indicator   Cover   Status   Sta		parameters, this point i	s located wi	ithin a wetla	and.			
Absolute   Species   Species   Species   Status   Indicator   Cover   Status   Sta								
Absolute   Species   Species   Species   Status   Indicator   Cover   Status   Sta	VECETATION - Use scie	ntific names of plan	ntc	D i				
Tree Stratum (Plot size: 30 r	VEGETATION - Use scie	——————————————————————————————————————		Species?		<del></del>		
1. Fraxinus pennsylvanica 2. Quercus alba 10	Tree Stratum (Plot size: 30' r	)				Dominance Tes	st worksheet:	
2. Ouerous alba 3. Carpinus caroliniana 4. Carya ovata 5.	1 5	<u> </u>	0.5					5 (A)
3. Carpinus caroliniana 4. Carya ovata 5						That are ODE, Th		
4. Carya ovata 5.	3. Carpinus caroliniana		5					6 (B)
Add   Factor   Fac	4. Carya ovata		5	11.1%	FACU	Species Across A	iii Strata.	<u> </u>
45	5		0	0.0%				02 20/ (A/P)
1. Rhamnus cathartica  60			45	= Total Co	ver	That Are OBL,	FACW, or FAC:	83.3% (A/B)
2. Ostrya virginiana 3. Crataegus crus-galli 4. Carya ovata 5.	<u>Sapling/Shrub Stratum (</u> Plot size: 15	'r )				Prevalence Ind	ex worksheet:	
3. Crataegus crus-galli 4. Carya ovata 3. □ 3.6% FACU 4. Carya ovata 3. □ 3.6% FACU 5. □ 0 □ 0.0%  Herb Stratum (Plot size: 5' r )   83 = Total Cover  1. Carex bromoides 2.0 ☑ 35.1% FACU 2. Ribes crynosbati 3. □ 10 ☑ 17.5% FAC 4. Fraxinus pennsylvanica 5. □ 8.8% FACU 5. Drymocallis arguta 6. Geum canadense 7. Lonicera morrowii 8. Prunus virginiana 9. □ 0 □ 0.0% 10. □ 0 □ 0.0% 10. □ 0 □ 0.0% 10. □ 0 □ 0.0% 10. □ 0 □ 0.0%  Woody Vine Stratu (Plot size: 30' r )   57 = Total Cover  1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Hydrophytic Vegetation 1  □ 1. Rapid Test for Hydrophytic Vegetation 2  □ 0.0% 2  □ 1. Rapid Test for Hydrophytic Vegetation 3  □ 5.3% FACU 4  □ 4  □ 4  □ 4  □ 4  □ 4  □ 4  □ 4	1. Rhamnus cathartica		60	72.3%	FAC	Total %	Cover of: Multiply	by:
4. Carya ovata  3	2. Ostrya virginiana		15	18.1%	FACU	OBL species	0 x 1 =	0
5.	3. Crataegus crus-galli		5	6.0%	FAC	FACW species	s <u>50</u> x 2 =	100
Herb Stratum (Plot size: 5' r   )			3	3.6%	FACU	FAC species	<u>93</u> x 3 =	279
1 Carex bromoides 20	5					FACU species	42 x 4 =	168
2. Ribes cynosbati 3. Rhamnus cathartica 4. Fraxinus pennsylvanica 5. Drymocallis arguta 6. Geum canadense 7. Lonicera morrowii 8. Prunus virginiana 9.  10.  10.  10.  11.  10.  11.  11.	<u>Herb Stratum</u> (Plot size: 5' r	)	83	= Total Co	ver	UPL species	x 5 =	0
3. Rhamnus cathartica 4. Fraxinus pennsylvanica 5. Drymocallis arguta 6. Geum canadense 7. Lonicera morrowii 8. Prunus virginiana 9.  10.  10.  10.  10.  11.  10.  11.  10.  11.  10.  12.  13.  15.3% FACU 2. Dominance Test is > 50%  11.  12.  13.  14. Mydrophytic Vegetation Indicators:  15. Agaid Test for Hydrophytic Vegetation  16. Agaid Test for Hydrophytic Vegetation  16. Agaid Test for Hydrophytic Vegetation  16. Agaid Test for Hydrophytic Vegetation  17. Agaid Test for Hydrophytic Vegetation  18. Agaid Test for Hydrophytic Vegetation  18. Agaid Test for Hydrophytic Vegetation  15. Agaid Test for Hydrophytic Vegetation  16. Agaid Test for Hydrophytic Vegetation  16. Agaid Test for Hydrophytic Vegetation  16. Agaid Test for Hydrophytic Vegetation  17. Agaid Test for Hydrophytic Vegeta	1. Carex bromoides		20	<b>✓</b> 35.1%	FACW	Column Total	s: <u>185</u> (A)	<u>547</u> (B)
3. Rhamnus cathartica 4. Fraxinus pennsylvanica 5. Drymocallis arguta 6. Geum canadense 7. Lonicera morrowii 8. Prunus virginiana 9.  10.  10.  10.  10.  10.  10.  10.	2. Ribes cynosbati		10	<b>✓</b> 17.5%	FAC	Prevalence	- Index = R/Δ =	2 057
4. Fraxinus pennsylvanica  5. Drymocallis arguta  6. Geum canadense  7. Lonicera morrowii  8. Prunus virginiana  9. 0 0.0%  10. 0 0.0%  Woody Vine Stratu (Plot size: 30' r )  1. Q 0 0.0%  2. Dominance Test is > 50%  2. Dominance Test is > 50%  3. FACU  4. Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation  1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Hydrophytic Vegetation  1. Hydrophytic Vegetation  Present?  Present?  Hydrophytic Vegetation  Yes No No	3. Rhamnus cathartica		10	<b>✓</b> 17.5%	FAC			2.731
S. Drymocallis arguta  6. Geum canadense  7. Lonicera morrowii  8. Prunus virginiana  9.  10.  Woody Vine Stratu (Plot size: 30' r  1.  2. Dominance Test is > 50%  2 - Dominance Test is > 50%  3 - Prevalence Index is ≤ 3.0 ¹  4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation ¹ (Explain)  1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Hydrophytic Vegetation  Yes No  No	4. Fraxinus pennsylvanica		5	8.8%	FACW			atation.
6. Geum canadense 7. Lonicera morrowii 8. Prunus virginiana 9. 10.  Woody Vine Stratu (Plot size: 30' r )  1. 2.  Remarks: (Include photo numbers here or on a separate sheet.)  3	5. Drymocallis arguta		3	5.3%	FACU			etation
8. Prunus virginiana 9. 0 0.0% 10. 0 0.0% Woody Vine Stratu (Plot size: 30' r ) 1. 0 0.0% 2. 0 0.0% Remarks: (Include photo numbers here or on a separate sheet.)  4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Hydrophytic Vegetation Present?  Yes No			3	5.3%	FAC			
9.								trovido supportina
10.					FACU	data in Ren	narks or on a separate s	heet)
Woody Vine Stratu (Plot size: 30' r )  1.						Problematic	: Hydrophytic Vegetatic	on <sup>1</sup> (Explain)
Woody Vine Stratu (Plot size: 30' r )	10.					1 Indicators of	hydric soil and wetlan	d hydrology must
1	Woody Vine Stratu (Plot size: 30' I	·)	57	= Total Co	ver	. Illulcators of		
2			0	0.0%				
= Total Cover			0	0.0%				
Remarks: (Include photo numbers here or on a separate sheet.)			0	= Total Co	ver		Yes   No	
	Remarks: (Include photo numbers	here or on a separate s	heet.)					
	•	-		mp / Shruh	carr plant co	ommunity		
	sittement for flydrophlytte veget	and is more winder that		p , oiliub	san plant of	idiney.		

Profile Desc	-		the depth n	eeded to				onfirm th	e absence of indicators.)	
Depth (inches)	N	Matrix	%	Color (		lox Featu _%_	res Type <sup>1</sup>	Loc2		
(inches) 0-10	10YR	2/1	_ <del></del>	10YR	5/8	15	C	_ <u>LUC-</u>	Sandy Clay Loam	
		2/1		101R 10YR	5/2	10	D	M	Sundy Stay Estatis	
	40)/D								0 1 0	
10-24	10YR	5/1		10YR	5/8	20	C	M	Sandy Clay	
	10YR	2/1		10YR	4/2	10	D	M		
	-				-			-		
1 Typo: C-Co	ncentration, D=	Doplotion		ad Matrix	CS-Cover	od or Coa	tod Sand Cr	ninc	<sup>2</sup> Location: PL=Pore Lining. M=Matrix.	
	Indicators:	Depletio	i, Kivi=Reduc	eu iviati ix,	C3=C0ver	eu oi coa	teu Sanu Gi	allis.	<u> </u>	
Histosol				San	idy Gleyed	Matrix (S	.4)		Indicators for Problematic Hydric Soils <sup>3</sup> :	
	ipedon (A2)				ndy Redox		( <del>-1</del> )		Coast Prairie Redox (A16)	
Black His					pped Matri				Dark Surface (S7)	
Hydroge	n Sulfide (A4)				my Mucky		F1)		Iron Manganese Masses (F12)	
Stratified	l Layers (A5)				my Gleyed				Very Shallow Dark Surface (TF12)	
2 cm Mu	ck (A10)				oleted Matr		,		Other (Explain in Remarks)	
_ '	l Below Dark Su	•	11)	_ ·	lox Dark S		5)			
	rk Surface (A12	•		Dep	oleted Dark	Surface	(F7)		<sup>3</sup> Indicators of hydrophytic vegetation and	
	uck Mineral (S1			Rec	lox Depres	sions (F8)	)		wetland hydrology must be present,	
	cky Peat or Pea								unless disturbed or problematic.	
	Layer (if obse	rved):								
Type: _ <u>I</u>									Hydric Soil Present? Yes  No	
Depth (in	ches): <u>NA</u>								Tryune son resent. Tes C 140 C	
HYDROL	OGY									
Wetland Hy	drology Indic	ators:								
Primary Indi	cators (minimur	n of one	is required; c	neck all th	at apply)				Secondary Indicators (minimum of two requir	ed
Surface	Water (A1)			<b>✓</b> W	/ater-Stain	ed Leaves	s (B9)		Surface Soil Cracks (B6)	
High Wa	ter Table (A2)				quatic Fau				Drainage Patterns (B10)	
✓ Saturation	on (A3)			т	rue Aquati	c Plants (I	B14)		Dry Season Water Table (C2)	
<b>✓</b> Water M	arks (B1)			_ н	ydrogen S	ulfide Odd	or (C1)		Crayfish Burrows (C8)	
	t Deposits (B2)					-	s on Living	Roots (C3)		
	oosits (B3)				resence of				Stunted or Stressed Plants (D1)	
	t or Crust (B4)						n in Tilled S	oils (C6)	✓ Geomorphic Position (D2)	
	oosits (B5)		(0.0)	=	hin Muck S	•	•		FAC-Neutral Test (D5)	
	on Visible on A	-			auge or W					
	Vegetated Con	cave Suri	face (B8)	□ 0	ther (Expla	ain in Ren	narks)			
Field Obser	vations:									
Surface Water		Yes	O No €		Depth (inc	:hes):				
Water Table	Present?	Yes	<ul><li>No C</li></ul>		Depth (inc		0	_		
Saturation Pr						_		Wet	land Hydrology Present? Yes   No	
(includes cap		Yes <sup>(</sup>	● No ○		Depth (inc	:hes):	0	_		
				-		-	previous ii	nspection	s), if available:	
WETS analy	rsis, WWI ma	o, Soils r	map, aerial	magery,	prior delii	neation				
Remarks:										
									The criterion for wetland hydrology is met. Sample	point
~ 2' lower i	n eievation th	an SP-4	. Saturation	/ possible	e innunda	ition visi	bie on 201	4 leat-off	aerial imagery.	

Project/Site: Carlisle Interconnect	City/County:	Franklin / Milw	vaukee	Sampling Date:	13-May-16
Applicant/Owner: Carlisle Interconnect / JP Cullen		State:	WI Samp	ling Point:	SP-6
Investigator(s): Ron Londré, Amanda Larsen	Section, To	ownship, Range:	s 26 T <u>5N</u>	R 21E	
Landform (hillslope, terrace, etc.): Shoulder slope		Local relief (co	incave, convex, none):	convex	
Slope: 6.0% 3.4 ° Lat.:	Long.	- .:	•	Datum:	
Soil Map Unit Name: Blount silt loam (BIA)			NWI classifica		
Are climatic/hydrologic conditions on the site typical for this	s time of year? Yes No C	(If no. exp	plain in Remarks.)	THORIE	
Are Vegetation, Soil, or Hydrology	significantly disturbed?		mal Circumstances" pre	sent? Yes •	No O
			•	30111.	110
Are Vegetation	naturally problematic?	•	ed, explain any answers	•	etc
			s, transcots, imp	ortant reatures	
		the Sampled Ar			
	wi	thin a Wetland?			
Remarks: Based on the absence all three parameters, this position  VEGETATION - Use scientific names	of plants. Domina				
	Absolute Rel.Stra		Dominance Test wor	rksheet:	
<u>Tree Stratum</u> (Plot size: 30' r )	% Cover Cover		Number of Dominant S		
1. Quercus rubra			That are OBL, FACW, of	or FAC:	3 (A)
2. Carya ovata			Total Number of Domi		
34.			Species Across All Stra	ta:	6 (B)
5.	0 0.09		Percent of dominant	t Species	
J			That Are OBL, FACV		.0% (A/B)
_Sapling/Shrub Stratum (Plot size: 15' r )		<b> -</b>	Prevalence Index wo	orkshoot.	
1. Cornus racemosa	40 🗸 80.0		Total % Cover		ı·
2. Rhamnus cathartica	10 1		OBL species	0 x 1 =	0
3.			FACW species	0 x 2 =	0
4.		%		85 x 3 =	255
5.	0 0.09	%	FACU species	80 x 4 =	320
<u>Herb Stratum</u> (Plot size: 5' r )	= Total C	Cover	UPL species	0 x 5 =	0
1 Bromus inermis	60 🗹 60.0	% FACU	Column Totals:	165 (A)	575 (B)
2. Poa pratensis	30 🛂 30.0		_		
3. Cornus racemosa	5 5.09	% FAC	Prevalence Inde		485_
4. Fragaria virginiana	5 5.09		Hydrophytic Vegetat		
5	0 0.09	%		r Hydrophytic Vegeta	ation
6	0 0.09	%I	2 - Dominance Te		
7	0 0.09	% [	3 - Prevalence In		
8	0	%l	4 - Morphologica data in Remarks	I Adaptations 1 (Proform or on a separate she	vide supporting et)
9.	0	<u>~</u> [		rophytic Vegetation	
10	00.0%			ic soil and wetland h	• • •
Woody Vine Stratu (Plot size: 30' r )	= Total C	Cover		isturbed or problema	
1.	0 0.09	%			
2.	0 0.09		Hydrophytic		
	0 = Total C	Cover	Vegetation Present? Yes	O No 💿	
Remarks: (Include photo numbers here or on a se The criterion for hydrophytic vegetation is not met	'				

Profile Desc	-		the depth n	eeded to d	ocumen	t the indi	icator or c	onfirm th	e absence of indicators.)	
Depth		Matrix		Calas (m		dox Featu	res Type <sup>1</sup>	12	- Tautuma	Domonico
(inches) 0-8	Color (r 10YR	4/3	<u>%</u> _	Color (n	10151)	<u>%</u>	Type	Loc <sup>2</sup>	Texture Sandy Clay Loam	Remarks
0-8										
	10YR	2/1						-		
8-14	10YR	5/3	65	10YR	5/6	20	C	M	Sandy Clay	
				10YR	5/2	15	D	M		
								-		
J.	ncentration, D	=Depletio	n, RM=Reduc	ed Matrix, C	S=Cover	ed or Coat	ted Sand Gr	rains.	<sup>2</sup> Location: PL=Pore Lining. M=	Matrix.
	Indicators:								Indicators for Problemat	ic Hydric Soils <sup>3</sup> :
Histosol					-	Matrix (S	4)		Coast Prairie Redox (A16	5)
Black Hi	oipedon (A2)				ly Redox				Dark Surface (S7)	
	n Sulfide (A4)				ped Matr		-4)		☐ Iron Manganese Masses	(F12)
_	d Layers (A5)				-	Mineral (F			Very Shallow Dark Surfa	ce (TF12)
	ıck (A10)				-	d Matrix (F	۷)		Other (Explain in Remar	
Depleted	d Below Dark S	Surface (A	11)		eted Mat	rıx (F3) Jurface (F6			. ,	
Thick Da	ark Surface (A1	2)				ыгтасе (F6 k Surface (	•		3	
☐ Sandy M	luck Mineral (S	51)		= '		ssions (F8)	. ,		Indicators of hydrophytic wetland hydrology must	vegetation and st be present
5 cm Mu	icky Peat or Pe	at (S3)		Keuc	ox Depies	3310113 (1 0)	'		unless disturbed or pr	
Restrictive	Layer (if obs	erved):								
Type:	None									
Depth (in	ches):_NA								Hydric Soil Present? Yo	es O No 🗨
Remarks:										
HYDROL	OGY									
Wetland Hy	drology Indi	cators:								
Primary Indi	cators (minimu	ım of one	is required; o	heck all tha	t apply)				Secondary Indicators	(minimum of two required
Surface	Water (A1)			☐ Wa	ater-Stain	ed Leaves	(B9)		Surface Soil Crack	s (B6)
High Wa	ter Table (A2)			☐ Aq	uatic Fau	ına (B13)			☐ Drainage Patterns	(B10)
Saturation	on (A3)			Tru	ue Aquati	ic Plants (E	314)		☐ Dry Season Water	Table (C2)
☐ Water M	larks (B1)			□ Ну	drogen S	ulfide Odd	or (C1)		Crayfish Burrows	(C8)
Sedimer	nt Deposits (B2	)		Ox	idized Rh	nizospheres	s on Living	Roots (C3)	Saturation Visible	on Aerial Imagery (C9)
Drift De	posits (B3)			Pre	esence of	Reduced	Iron (C4)		Stunted or Stresse	d Plants (D1)
Algal Ma	t or Crust (B4)	)		Re	cent Iron	Reduction	n in Tilled S	oils (C6)	Geomorphic Positi	on (D2)
Iron De	oosits (B5)			Th	in Muck S	Surface (C	7)		FAC-Neutral Test	(D5)
Inundati	on Visible on A	Aerial Imag	gery (B7)	Ga	uge or W	/ell Data (I	D9)			
Sparsely	Vegetated Co	ncave Sur	face (B8)	Ot	her (Expl	ain in Rem	narks)			
F: 115:										
Field Obser		Yes	O No @	) -	anth (in	abas).				
Surface Wate				١	epth (ind			-		
Water Table	Present?	Yes	No C	, .	epth (inc	ches):	22	_	lond Unductomy Duccout?	Yes O No 💿
Saturation Pr (includes cap		Yes	● No ○	' C	epth (inc	ches):	18	_ wet	land Hydrology Present?	169 ~ INO @
		(stream	gauge, mor	itorina we	II. aerial	photos.	previous i	nspection	s), if available:	
	ysis, WWI ma			_		-			•	
Remarks:	,	,,	. 1	. 3 7 , P						
	WFTS analys	sis, anter	edent hydro	ologic cond	litions w	ere withi	n a norma	l range	The criterion for wetland hydr	ology is not met
	o unuly	, amou							sittorion for working frydr	3/ 10 1101 111011

Project/Site: Carlisle Interconnect		Ci	ty/County:	Franklin / Mi	lwaukee	Sampling Date:	13-May-16
Applicant/Owner: Carlisle Interconnect / J	P Cullen			State:	WI Sar	mpling Point:	SP-7
Investigator(s): Ron Londré, Amanda Lars	sen		Section, Tov	vnship, Range:	s 26 T 5N	N R 21E	
Landform (hillslope, terrace, etc.): Backslo	ano.			Local relief (d	concave, convex, none)	): concave	_
Slone: 2.00/ 1.7 ° Lat							
Slope: 3.0% 1.7 ° Lat.:			Long		NIVA/I -1		
Soil Map Unit Name: Blount silt loam (		Voc	● No ○	(16		fication: None	
Are climatic/hydrologic conditions on the si					cplain in Remarks.)	oresent? Yes	<b>a N</b> O
Are Vegetation  , Soil ,	or Hydrology	significantly di	sturbed?	Are "No	ormal Circumstances" p	oresent? Yes	● No ○
		naturally probl			ded, explain any answ		
SUMMARY OF FINDINGS - Att		wing sam	piirig po	int locatio	iis, transects, iii	iportant reature:	s, etc.
* ' * *	Yes No No		le ti	he Sampled <i>I</i>	lroa.		
J	Yes No No			hin a Wetland		C	
Wetland Hydrology Present?	Yes   No						
Remarks:  Based on the presence of all three p  VEGETATION - Use scient			thin a wetl  Dominan  Species?	ıt			
(Dist size 20) r	`	Absolute	Rel.Strat	t. Indicator	Dominance Test w	vorksheet:	
Tree Stratum (Plot size: 30' r		% Cover		Status	Number of Dominar		
-			✓ 41.7% ✓ 41.7%		That are OBL, FACW	/, or FAC:	(A)
Fraxinus pennsylvanica     Quercus rubra			41.7%		Total Number of Do		_
1			0.0%		Species Across All S	trata:	
5			0.0%		Percent of domina	ant Species	
·		60	= Total Co		That Are OBL, FA	CW, or FAC:7	1.4% (A/B)
_Sapling/Shrub Stratum (Plot size: 15' r	)				Prevalence Index	worksheet:	
1. Rhamnus cathartica		40	61.5%	FAC	Total % Cov		ov:
2. Ostrya virginiana			30.8%	FACU	OBL species		0
3. Fraxinus pennsylvanica		5	7.7%	FACW	FACW species	x 2 =	110
4		0	0.0%		FAC species	x 3 =	180
5		0	0.0%		FACU species	66 x 4 =	264
Herb Stratum (Plot size: 5' r	)	65	= Total Co	ver	UPL species	0 x 5 =	0
1. Carex bromoides	_	25	<b>4</b> 4.6%	FACW	Column Totals:	181 (A)	554 (B)
Ribes cynosbati		10	17.9%		Prevalence In		
3. Rhamnus cathartica		10	17.9%				3.061_
4. Prunus virginiana		5	8.9%	FACU	Hydrophytic Veget		
5. Rosa multiflora		3	5.4%	FACU	l —	for Hydrophytic Vege	tation
6. Trillium recurvatum		3	5.4%	FACU	2 - Dominance	Test is > 50% Index is ≤3.0 <sup>1</sup>	
7			0.0%			index is ≤3.0 <sup>-</sup> ical Adaptations <sup>1</sup> (Pr	ovido supportina
8		0	0.0%		data in Remark	ks or on a separate sh	ieet)
9. 10.		0_	0.0%		Problematic Hy	ydrophytic Vegetatior	າ <sup>1</sup> (Explain)
10.			0.0%		1 Indicators of hy	dric soil and wetland	hydrology must
<u>Woody Vine Stratu</u> (Plot size: <u>30'</u> r	)	56	= Total Co	ver		s disturbed or probler	
1.		0	0.0%				
2		0	0.0%		Hydrophytic Vegetation		
		0	= Total Co	ver	Present? Y	'es ● No ○	
					l		
Remarks: (Include photo numbers h The criterion for hydrophytic vegeta	•	•	mp / Shrub	carr plant co	ommunity.		

Profile Desc	ription: (De	scribe to	the depth r	eeded to doc	ument the	indicat	tor or co	onfirm the	e absence of indicators.)
Depth	Color (	Matrix		Color (moi	Redox Fe		s Γγρе <sup>1</sup>	Loo?	
(inches) 0-3	Color ( 10YR	2/1	<u>%</u> 100	COIOI (IIIOI	51) _7	<u>6</u> <u>T</u>	ype	Loc <sup>2</sup>	Sandy Clay Loam
3-6	101R	2/1	90		5/8 1	10	·		
	-								Sandy Clay Loam
6-12	10YR	3/1	85			15		M	Sandy Clay
12-20	10YR	4/2				25		M	Sandy Clay
				10YR	5/8 1	15		М	
								-	
								-	
_ ·		=Depletio	n, RM=Redu	ced Matrix, CS=	Covered or	Coated :	Sand Gra	ains.	<sup>2</sup> Location: PL=Pore Lining. M=Matrix.
Hydric Soil									Indicators for Problematic Hydric Soils $^{3}$ :
Histosol					Gleyed Matri	x (S4)			Coast Prairie Redox (A16)
Black His	ipedon (A2)				Redox (S5)				Dark Surface (S7)
	n Sulfide (A4)				d Matrix (S6)				☐ Iron Manganese Masses (F12)
	Layers (A5)			_	Mucky Miner				Very Shallow Dark Surface (TF12)
2 cm Mu	-				Gleyed Matri				Other (Explain in Remarks)
	Below Dark	Surface (A	11)		ed Matrix (F3	•			Other (Explain in Kemarks)
	rk Surface (A	-	11)		Dark Surface				
	uck Mineral (	•			ed Dark Surfa	. ,	)		<sup>3</sup> Indicators of hydrophytic vegetation and
	cky Peat or Pe			Redox	Depressions	(F8)			wetland hydrology must be present, unless disturbed or problematic.
Restrictive I	Layer (if obs	erved):							i i
Type: _ <u>N</u>	lone								
Depth (in	ches):_NA								Hydric Soil Present? Yes ● No ○
Remarks:									•
HYDROL	OGY								
Wetland Hy	drology Ind	icators:							
Primary India	cators (minim	um of one	is required;	check all that a	pply)				Secondary Indicators (minimum of two required
Surface \	Water (A1)			☐ Wate	r-Stained Lea	aves (B9	9)		Surface Soil Cracks (B6)
✓ High Wa	ter Table (A2)	)		Aqua	tic Fauna (B	13)			Drainage Patterns (B10)
✓ Saturatio	on (A3)			True	Aquatic Plan	its (B14)	)		Dry Season Water Table (C2)
☐ Water M	arks (B1)			Hydro	ogen Sulfide	Odor (C	01)		Crayfish Burrows (C8)
Sedimen	t Deposits (B	2)		Oxidi	zed Rhizosph	neres on	n Living F	Roots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Dep	osits (B3)			Prese	nce of Redu	ced Iron	n (C4)		Stunted or Stressed Plants (D1)
Algal Ma	t or Crust (B4	)		Recei	nt Iron Redu	ction in	Tilled So	ils (C6)	Geomorphic Position (D2)
Iron Dep	osits (B5)			Thin	Muck Surface	e (C7)			FAC-Neutral Test (D5)
Inundati	on Visible on	Aerial Imag	gery (B7)	☐ Gaug	e or Well Da	ta (D9)			
Sparsely	Vegetated Co	oncave Sur	face (B8)	Other	(Explain in	Remark	(s)		
Field Observ Surface Wate		Yes	O No @	Der	oth (inches):				
Water Table		Yes					5		
Saturation Pr				- 1	oth (inches):	_		Wetl	iland Hydrology Present? Yes   No
(includes cap	illary fringe)	Yes			oth (inches):		0		
				_	•	-	evious in	spections	s), if available:
WETS analy	sis, WWI m	ap, Soils i	map, aerial	imagery, pric	or delineation	on			
Remarks:									
									The criterion for wetland hydrology is met. Sample point
~ Z lower II	i elevation t	.11a11 3P-0	. saturatioi	i i hossinie ili	nunualiun	visible (	UII 2014	r icai-Uil	aerial imagery.

Project/Site: Carlisle Interconnect	City/County:	Franklin / Mi	lwaukee	Sampling Date	:13-May-16
Applicant/Owner: Carlisle Interconnect / JP Cullen		State:	WI	Sampling Point:	SP-8
Investigator(s): Ron Londré, Amanda Larsen	Section, To	wnship, Range:	s 26 T	5N R 21E	
Landform (hillslope, terrace, etc.): Backslope		Local relief (c	concave, convex, n	one): Convex	
	Long.	_			
	Long.	·			
Soil Map Unit Name: Morley silt loam (MzdB)	Vac 🔎 Na C	) (15		assification: None	
Are climatic/hydrologic conditions on the site typical for this time			plain in Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "No	ormal Circumstance	es" present? Yes	, ● No ○
Are Vegetation , Soil , or Hydrology	naturally problematic?	(If nee	ded, explain any ar	nswers in Remarks.)	
SUMMARY OF FINDINGS - Attach site map sh	owing sampling po	int location	ns, transects	, important featur	es, etc.
Hydrophytic Vegetation Present? Yes No •					
Hydric Soil Present? Yes No •		the Sampled A			
Wetland Hydrology Present? Yes No •	Wif	thin a Wetland	d? Yes ○ N	lo •	
Remarks:					
Based on the absence of all three parameters, this point	t is located in an unland				
based on the absence of all three parameters, this point	i is located in an upland.	•			
<b>VEGETATION</b> - Use scientific names of pl					
(5)	Absolute Rel.Stra		Dominance Tes	st worksheet:	
<u>Tree Stratum</u> (Plot size: 30' r )	% Cover Cover		Number of Dom		
1. Carya ovata			That are OBL, F	ACW, or FAC:	1(A)
2	0 0.0%		Total Number of	Dominant	
3 4.			Species Across A	All Strata:	4(B)
5.	0		Percent of don	ninant Species	
J	15 = Total C			FACW, or FAC:	25.0% (A/B)
_Sapling/Shrub Stratum (Plot size: 15' r )		ovei	Prevalence Ind	ev worksheet	
1. Ostrya virginiana	60 🗸 60.09	% FACU		Cover of: Multipl	v hv·
2. Rhamnus cathartica	15 0		OBL species	x 1 =	
3. Cornus racemosa		% FAC	FACW species		
4. Zanthoxylum americanum	10 10.09	% FACU	FAC species	x 3 =	105
5. Prunus virginiana	55.0%	6 FACU	FACU species		444
_Herb Stratum (Plot size: 5' r )	= Total C	over	UPL species	0 x 5 =	0
1 Rhamnus cathartica	10 🗹 32.39	% FAC	Column Total	s: <u>146</u> (A)	549(B)
2. Prunus virginiana	10 🗹 32.39				
3. Trillium recurvatum	5 16.19				3.760_
4. Taraxacum officinale	3 9.7%	6 FACU		egetation Indicators:	
5. Zanthoxylum americanum	3 9.7%	6 FACU	l — ·	est for Hydrophytic Ve	getation
6	0 0.0%	6		nce Test is > 50% nce Index is ≤3.0 <sup>1</sup>	
7	00.0%	6			Durantida anno antica
8	00.0%	6	data in Ren	logical Adaptations <sup>1</sup> ( narks or on a separate	sheet)
9	0		Problemation	: Hydrophytic Vegetat	ion <sup>1</sup> (Explain)
10	0 0.0%		<sup>1</sup> Indicators of	hydric soil and wetlar	nd hydrology must
Woody Vine Stratu (Plot size: 30' r )	31 = Total C	over		less disturbed or probl	
1.	0 0.0%	, 6			
2.	0 0.0%	, 6	Hydrophytic Vegetation		
·	0 = Total C	over	Present?	Yes O No 💿	
Remarks: (Include photo numbers here or on a separate	e sheet.)				
The criterion for hydrophytic vegetation is not met.					
, and the second					

Profile Desci	ription: (Des	scribe to	the depth n	eeded to doc	ument the in	dicator or c	onfirm th	e absence of indicators.)	
Depth		Matrix			Redox Feat			_	
(inches)	Color (r		<u>%</u>	Color (moi	<u>%</u>	_Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-5	10YR	2/2						Silty Clay Loam	
5-8	10YR	5/2	90	10YR	5/6 10	C	M	Silty Clay	
8-24	10YR	5/3	80	10YR	5/6 20	C	M	Silty Clay	
_ ·		=Depletio	n, RM=Reduc	ed Matrix, CS=	=Covered or Co	ated Sand Gr	rains.	<sup>2</sup> Location: PL=Pore Lining	g. M=Matrix.
Hydric Soil								Indicators for Probl	ematic Hydric Soils <sup>3</sup> :
Histosol (	•			-	Gleyed Matrix (	(S4)		Coast Prairie Redo	x (A16)
Black Hist	pedon (A2)				Redox (S5)			Dark Surface (S7)	,
	Sulfide (A4)				d Matrix (S6)	(=4)		☐ Iron Manganese M	lasses (F12)
	Layers (A5)				Mucky Mineral			Very Shallow Dark	Surface (TF12)
2 cm Muc	-				Gleyed Matrix ( ed Matrix (F3)	(F2)		Other (Explain in F	
☐ Depleted	Below Dark S	Surface (A	11)		ed Matrix (F3) Dark Surface (F	۲4۱		•	•
☐ Thick Dar	k Surface (A1	12)		_	ed Dark Surface (F	,		3	
Sandy Mu	ıck Mineral (S	§1)			Depressions (F8			Indicators of hydrop wetland hydrolog	hytic vegetation and y must be present,
5 cm Muc	ky Peat or Pe	eat (S3)							d or problematic.
Restrictive L	ayer (if obs	erved):							
Type: <u>N</u>	one								O O
Depth (inc	hes): <u>NA</u>							Hydric Soil Present?	Yes O No 💿
Remarks:									
The criterion	for hydric s	oil is not	met.						
HYDROLO	)GY								
Wetland Hyd	lrology Indi	cators:							
_			is required; c	heck all that a	pply)			Secondary Indica	ators (minimum of two required
Surface V	Vater (A1)			Water	r-Stained Leave	es (B9)		Surface Soil	Cracks (B6)
☐ High Wat	er Table (A2)	j		Aquat	tic Fauna (B13)	)		☐ Drainage Pat	tterns (B10)
Saturation	n (A3)			True	Aquatic Plants	(B14)		Dry Season	Water Table (C2)
☐ Water Ma	rks (B1)			Hydro	ogen Sulfide Oc	dor (C1)		Crayfish Burn	rows (C8)
Sediment	Deposits (B2	<u>?</u> )		Oxidiz	zed Rhizospher	es on Living	Roots (C3)	Saturation V	isible on Aerial Imagery (C9)
Drift Dep	osits (B3)			Prese	ence of Reduced	d Iron (C4)		Stunted or S	tressed Plants (D1)
Algal Mat	or Crust (B4)	)		Recer	nt Iron Reduction	on in Tilled S	oils (C6)	Geomorphic	Position (D2)
Iron Depo	osits (B5)			Thin I	Muck Surface (	(C7)		FAC-Neutral	Test (D5)
	n Visible on A			Gaug	e or Well Data	(D9)			
Sparsely '	Vegetated Co	ncave Sur	face (B8)	Other	r (Explain in Re	marks)			
Field Observ		Vac	∩ No (€	, -					
Surface Water	Present?	Yes			oth (inches): _		-		
Water Table P	resent?	Yes	○ No ●	) Dep	oth (inches): _		_		Yes ○ No •
Saturation Pre		Yes (	O No 💿	) Dep	oth (inches):		Wet	land Hydrology Present?	Yes ○ No •
(includes capi						nrevious i	nspection	s), if available:	
				_	or delineation	-	Пэрсской	5), ii avaliabic.	
Remarks:	13, VV VV 1 111c	1μ, Jons .	IIIap, acriar	illiagory, prio	II UCIIIICALIO				
	METS analy	oic antoc	and ant hydro	alagia conditio	one wore with	hin a norma	l rongo	The criterian for wetland	hudrology is not mot
Baseu on a v	VETS attacy:	SIS, arnec	ædent nyard	Mogic conuni	ons were with	חורו מ רוטו ווומ	il range.	The criterion for wetland	nyarology is not met.

Project/Site: Carlisle Interconnect	c	ity/County:	Franklin / Mi	lwaukee	Samp	oling Date:	13-May-16
Applicant/Owner: Carlisle Interconnect / JP Cullen			State:	S	ampling Point	:	SP-9
Investigator(s): Ron Londré, Amanda Larsen		Section, Town	nship, Range:	S 26 T 5	SN R	21E	
Landform (hillslope, terrace, etc.): Backslope			Local relief (d	concave, convex, non	e): concave	<del></del>	
Slope: 3.0% 1.7 ° Lat.:						atum:	
		Long					
Soil Map Unit Name: Blount silt loam (BIA)	Van	● No ○	(15		sification: No	one	
Are climatic/hydrologic conditions on the site typica			•	plain in Remarks.)		Yes	N. O
Are Vegetation U , Soil U , or Hydro	ology significantly d	isturbed?	Are "No	ormal Circumstances"	present?	Yes 🕓	No O
Are Vegetation , Soil , or Hydro				ded, explain any ans			
SUMMARY OF FINDINGS - Attach si		ipling poli	nt locatio	ns, transects, i	mportant	reatures,	etc.
Hydrophytic Vegetation Present? Yes •	_						
Hydric Soil Present? Yes •			e Sampled <i>I</i> in a Wetland		0		
Wetland Hydrology Present? Yes •	No O			105 - 110			
Remarks: Based on the presence of all three parameter  VEGETATION - Use scientific na		ithin a wetla					
	·	Species? Rel.Strat.		Dominance Test	worksheet:		
<u>Tree Stratum</u> (Plot size: 30' r	% Cover		Status				
1. Quercus rubra	40	<b>✓</b> 66.7%	FACU	Number of Domina That are OBL, FAC		6	(A)
2. Quercus bicolor	20	33.3%	FACW	Total Number of D	o maim o m t		
3	0	0.0%		Total Number of D Species Across All		8	(B)
4	0	0.0%					
5	0	0.0%	0.0%  Percent of dominant Species  That Are OBL FACW or FAC:				
	60	= Total Cov	er	That Are OBL, FACW, or FAC:75.0%(A			
Sapling/Shrub Stratum (Plot size: 15' r	)			Prevalence Index	worksheet	:	
1. Carpinus caroliniana	30	46.2%	FAC	Total % Co	over of:	Multiply by:	<u> </u>
2. Rhamnus cathartica		46.2%	FAC	OBL species	0	x 1 =	0
3. Ostrya virginiana			FACU	FACW species	20	x 2 =	40
4		0.0%		FAC species	108		324
5		0.0%		FACU species	58		232
<u>Herb Stratum</u> (Plot size: 5' r )	65	= Total Cov	er	UPL species	0	x 5 =	0
1 <sub>.</sub> Ribes cynosbati		<b>✓</b> 32.8%	FAC	Column Totals:	186	(A)	<u>596</u> (B)
2. Carpinus caroliniana	10	16.4%	FAC	Prevalence I	ndex = B/A	= _3.2	04_
3. Prunus virginiana	10	16.4%	FACU	Hydrophytic Vege	etation Indic	cators:	
4. Rhamnus cathartica		16.4%	FAC	1 - Rapid Tes			tion
5. Cornus racemosa		8.2%	FAC	✓ 2 - Dominanc			
6. Carex blanda	3	4.9%	FAC	3 - Prevalence			
7. Trillium recurvatum		4.9%	FACU				ide supporting
8 9.		0.0%		data in Rema	rks or on a s	eparate shee	et)
10.		0.0%		Problematic H	Hydrophytic	Vegetation 1	(Explain)
				<sup>1</sup> Indicators of h	ydric soil an	ıd wetland hy	drology must
Woody Vine Stratu (Plot size: 30' r	_)	= TOTAL COV	CI	be present, unle	ss disturbed	or problema	tic.
1		0.0%		l			
2	0	0.0%		Hydrophytic Vegetation			
	0	= Total Cov	rer	Present?	Yes 💿 N	lo O	
				<u> </u>			
Remarks: (Include photo numbers here or o	on a separate sheet.)						
The criterion for hydrophytic vegetation is n exhibiting adaptations to saturated conditio meet the Dominance Test.							

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

Profile Desc	ription: (De	scribe to	the depth n	eeded to documen	t the ind	icator or co	onfirm th	e absence of indicators.)	
Depth	Color (	Matrix			dox Featu	res Type <sup>1</sup>	Loo?	_ Texture	Remarks
(inches) 0-6	Color (	2/1	<u>%</u> _	Color (moist)	<u>%</u>	Type	Loc <sup>2</sup>	Silty Clay Loam	Remarks
				10VD F//					
6-24	10YR	5/2		10YR 5/6	20	_ <u>C</u>	M	Silty Clay	
	10YR	5/3							
				-					
- · ·		=Depletio	n, RM=Reduc	ed Matrix, CS=Cover	ed or Coa	ted Sand Gr	ains.	<sup>2</sup> Location: PL=Pore Lining. M	=Matrix.
	Indicators:							Indicators for Problema	atic Hydric Soils <sup>3</sup> :
Histosol				Sandy Gleyed		4)		Coast Prairie Redox (A	16)
Black His	ipedon (A2)			Sandy Redox				Dark Surface (S7)	
	n Sulfide (A4)			Stripped Matr				Iron Manganese Masse	es (F12)
_ , ,	l Layers (A5)			Loamy Mucky				Very Shallow Dark Sur	
2 cm Mu				Loamy Gleyed		2)		Other (Explain in Rema	
✓ Depleted	Below Dark S	Surface (A	11)	✓ Depleted Mat					,
Thick Da	rk Surface (A	12)	,	Redox Dark S	•	•		2	
☐ Sandy M	uck Mineral (S	S1)		Depleted Dar				Indicators of hydrophytic wetland hydrology m	c vegetation and
5 cm Mu	cky Peat or Pe	eat (S3)		Redux Depres	5510115 (FO)	)		unless disturbed or	
Restrictive	Layer (if obs	erved):							
Type: _ <u>N</u>	lone								
Depth (in	ches):_NA							Hydric Soil Present?	Yes ● No ○
Remarks:								•	
HYDROL	OGY								
Wetland Hy	drology Indi	icators:							
Primary India	cators (minim	um of one	is required; o	check all that apply)				Secondary Indicators	s (minimum of two required
Surface 1	Water (A1)			☐ Water-Stair	ed Leaves	s (B9)		Surface Soil Crac	cks (B6)
✓ High Wa	ter Table (A2)	)		Aquatic Fau	ına (B13)			☐ Drainage Patterr	ns (B10)
<b>✓</b> Saturation	on (A3)			True Aquati	ic Plants (l	B14)		☐ Dry Season Wate	er Table (C2)
☐ Water M	arks (B1)			Hydrogen S	ulfide Odd	or (C1)		Crayfish Burrows	s (C8)
Sedimen	t Deposits (B2	2)		Oxidized Rh	izosphere	s on Living I	Roots (C3)	Saturation Visible	e on Aerial Imagery (C9)
Drift Dep	oosits (B3)			Presence of	Reduced	Iron (C4)		Stunted or Stres	sed Plants (D1)
Algal Ma	t or Crust (B4	)		Recent Iron	Reduction	n in Tilled S	oils (C6)	✓ Geomorphic Posi	ition (D2)
Iron Dep	osits (B5)			Thin Muck S	Surface (C	7)		FAC-Neutral Tes	t (D5)
	on Visible on			Gauge or W	/ell Data (	D9)			
Sparsely	Vegetated Co	ncave Sur	face (B8)	Other (Expl	ain in Rem	narks)			
Field Obser	votions						1		
Surface Water		Yes	O No @	Depth (inc	ches):				
		Yes		, ,		10	-		
Water Table				-1 (	ches):	10	Wet	land Hydrology Present?	Yes   No
Saturation Pr (includes cap		Yes	● No ○	Depth (inc	ches):	6	-		
		(stream	gauge, mor	nitoring well, aerial	photos,	previous ir	spection	s), if available:	
WETS analy	sis, WWI m	ap, Soils i	map, aerial	imagery, prior deli	neation				
Remarks:									
Based on a	WETS analy	sis, antec	edent hydro	ologic conditions w	ere withi	n a norma	I range.	The criterion for wetland hyd	drology is met. Sample poin
~ 2' lower i	n elevation t	han SP-8	. Saturation	/ possible innunda	ation visil	ble on 201	4 leaf-off	aerial imagery.	

Project/Site: Carlisle Interconnect	Cit	ty/County:	Franklin / Mil	waukee	Samplin	g Date:	13-May-16
Applicant/Owner: Carlisle Interconnect / JP Cullen			State:	_WI S	Sampling Point:	S	P-10
Investigator(s): _Ron Londré, Amanda Larsen	Ş	Section, Tov	wnship, Range:	S 26 T	5N R 2	1E	
Landform (hillslope, terrace, etc.): Shoulder slope			Local relief (c	oncave, convex, nor	ne): convex		
<del></del>		Long.:				ım·	
		Long					
Soil Map Unit Name: Blount silt loam (BIA)		■ No ○	/16		ssification: None	3	
Are climatic/hydrologic conditions on the site typical fo				plain in Remarks.)		(2)	
Are Vegetation 🔲 , Soil 🔲 , or Hydrolo	ogy Significantly dis	sturbed?	Are "No	ormal Circumstances	" present?	Yes	No O
Are Vegetation 🔲 , Soil 🗌 , or Hydrolo	ogy naturally proble	ematic?	(If need	ded, explain any ans	swers in Remarks	.)	
SUMMARY OF FINDINGS - Attach site	e map showing sam	pling po	int location	ns, transects,	important fe	eatures, e	etc.
Hydrophytic Vegetation Present? Yes	No •						
Hydric Soil Present? Yes	No •		he Sampled A				
Wetland Hydrology Present? Yes	No ●	With	hin a Wetland	l? Yes ○ No	, •		
Remarks:							
Based on the absence of all three parameters	s this point is located in a	an unland					
Dadda on the absence of an imperparameters	, and point to tooatou in a	apiana					
<b>VEGETATION</b> - Use scientific nan	nes of plants.	Dominan					
201	Absolute	<ul><li>Species?</li><li>Rel.Strat</li></ul>		Dominance Test	t worksheet:		
<u>Tree Stratum</u> (Plot size: 30' r	% Cover		Status	Number of Domin			
1. Quercus alba		53.3%		That are OBL, FAC	CW, or FAC:	0	(A)
2. Quercus rubra		26.7%		Total Number of D	Dominant		
3. Acer rubrum		13.3%		Species Across All	Strata:	5	(B)
4. Acer saccharinum 5.		6.7%		Percent of domi	inant Species		
5				That Are OBL, F		0.09	6 (A/B)
_Sapling/Shrub Stratum (Plot size: 15' r		= Total Co	vei	December 20 Indo	····alrahaat.		
	′ 25	<b>✓</b> 44.6%	6 FACU	Prevalence Inde		Aultinly by:	
2 1		<b>✓</b> 44.6%		Total % C OBL species		Multiply by: x 1 =	0
3. Carpinus caroliniana		14.3%		FACW species		_	10
4. Prunus virginiana	8	14.3%		FAC species		_	129
5. Cornus racemosa	5	8.9%		FACU species			144
	56	= Total Co		UPL species		_	250
<u>Herb Stratum</u> (Plot size: <u>5' r</u> )		<b>a</b>		Column Totals			
1. Carex pensylvanica		64.1%		COMMITTE FOLIAIS	209	(A) <u>8</u>	333 (B)
2. Cornus racemosa		19.2%		Prevalence	Index = B/A =	_3.98	6
Ostrya virginiana     Ribes cynosbati		6.4%		Hydrophytic Veg	getation Indicat	tors:	
Ribes cyriospati     Drymocallis arguta	3	3.8%		1 - Rapid Tes	st for Hydrophy	tic Vegetati	on
6.		0.0%		2 - Dominano	ce Test is > 509	%	
7.		0.0%		3 - Prevalenc	ce Index is ≤3.0	<b>)</b> 1	
8.		0.0%		4 - Morpholo	ogical Adaptatio	ns <sup>1</sup> (Provid	le supporting
9.	0	0.0%			arks or on a sep		
10.	0	0.0%		Problematic	Hydrophytic Ve	getation + (	(Explain)
/DI 201 r	78	= Total Co	ver	1 Indicators of h	hydric soil and v		
Woody Vine Stratu (Plot size: 30' r			ŀ	be present, unie	ess disturbed of	problemau	C.
1,		0.0%		Hydrophytic			
2		0.0%		Vegetation	Yes O No	•	
	0	= Total Co	ver	Present?	res C No	•	
Remarks: (Include photo numbers here or on	a separate sheet.)						
The criterion for hydrophytic vegetation is not	t met.						

Depth	ription: (Dese	/latrix			Red	ox Feati	ures		_			
(inches)	Color (m		%	Color (r		%	Type 1	Loc2	Texture		Re	emarks
0-5	10YR	3/2	100						Silty Clay Loam			
5-16	10YR	6/4	98	10YR	5/8	2	С	М	Silty Clay			
16-24	10YR	6/4	90	10YR	5/8	10		М	Silty Clay			
						-			-			
Type: C=Con	centration, D=	Depletion	n, RM=Reduc	ced Matrix,	CS=Covere	ed or Coa	ted Sand Gr	ains.	<sup>2</sup> Location: PL=Pore Li	ning. M=l	Matrix.	
Hydric Soil	Indicators:								Indicators for Pr	oblemat	ic Hydric	Soils <sup>3</sup> :
Histosol (	A1)			San	dy Gleyed	Matrix (S	4)		Coast Prairie Re			
	pedon (A2)			San	dy Redox (	(S5)			Dark Surface (\$	•	)	
Black Hist				Strip	pped Matri	x (S6)				•	(F10)	
_ , ,	Sulfide (A4)			Loa	my Mucky	Mineral (	F1)		☐ Iron Manganes			
_	Layers (A5)				my Gleyed				☐ Very Shallow D			
2 cm Mud					oleted Matr				Other (Explain	n Remar	ks)	
Depleted	Below Dark Su	urface (A1	11)		lox Dark Su		5)					
Thick Dar	k Surface (A12	2)			oleted Dark	-	•		<sup>3</sup> Indicators of hyd	rophytic	vogotation	and
∐ Sandy Mu	uck Mineral (S1	1)			lox Depres				wetland hydro	logy mus	st be prese	ent,
☐ 5 cm Mud	cky Peat or Pea	nt (S3)		u		(. 5	•		unless distur			
estrictive L	ayer (if obse	rved):										
											_	
Type: <u>N</u>	one								Hydric Soil Procon	·2 V	a ( )	No 📵
Depth (inc		il is not	met.						Hydric Soil Presen	:? Y€	es ()	No •
Depth (inc	:hes): <u>NA</u>	il is not	met.						Hydric Soil Presen	? үе	es O	No •
Depth (inc Remarks: ne criterion	hes): <u>NA</u> for hydric so	il is not	met.						Hydric Soil Presen	:? <b>Υ</b> ε	es O	No <b>●</b>
Depth (inc Remarks: the criterion YDROLO	for hydric so	ators:										
Depth (inc Remarks: he criterion YDROLO Vetland Hyc	for hydric so  OGY  drology Indicators (minimum	ators:							Secondary In	dicators (	(minimum	No  of two required
Depth (inc Remarks: The criterion  YDROLO  Vetland Hyd Primary Indic  Surface V	for hydric so  OGY  drology Indic ators (minimum Vater (A1)	ators:		□ w	/ater-Staine		s (B9)		Secondary In	dicators (	(minimum s (B6)	
Depth (incomments)  Permarks: The criterion  YDROLO  Vetland Hydrimary Indica  Surface V	for hydric so  OGY  drology Indicators (minimum	ators:		□ w			s (B9)		Secondary In	dicators (	(minimum s (B6)	
Depth (incomments)  Permarks: The criterion  YDROLO  Vetland Hydrimary Indica  Surface V	for hydric so  OGY  Irology Indicators (minimum Vater (A1) er Table (A2)	ators:		W	/ater-Staine quatic Faur rue Aquatio	na (B13) : Plants (	B14)		Secondary In  Surface S  Drainage  Dry Seas	dicators ( oil Crack: Patterns on Water	(minimum s (B6) (B10) Table (C2	of two required
Depth (incomments)  Primary Indicomments  Surface V High Wat Saturation  Water Ma	for hydric so  OGY  Irology Indicators (minimur Vater (A1) er Table (A2) n (A3) urks (B1)	ators: m of one		W Ac	/ater-Staine quatic Faur rue Aquatic ydrogen Sc	na (B13) : Plants ( ulfide Odd	B14) or (C1)		Secondary In  Surface S  Drainage  Dry Seas  Crayfish	dicators ( oil Crack: Patterns on Water Burrows (	(minimum s (B6) (B10) Table (C2	of two required
Pepth (included in the content of th	for hydric so  OGY  drology Indicators (minimur Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2)	ators: m of one		W	/ater-Staine quatic Faur rue Aquatio ydrogen Su xidized Rhi	na (B13) : Plants ( ulfide Odo zosphere	B14) or (C1) s on Living I	Roots (C3)	Secondary In Surface S Drainage Dry Sease Crayfish	dicators ( oil Crack: Patterns on Water Burrows ( n Visible (	(minimum s (B6) (B10) Table (C2 (C8) on Aerial I	of two required ) magery (C9)
Pepth (included in the content of th	for hydric so  OGY  Irology Indicators (minimur Vater (A1) er Table (A2) n (A3) irks (B1) Deposits (B2) osits (B3)	ators: m of one		W Ad Tr Hy	later-Staine quatic Faur rue Aquatic ydrogen Su xidized Rhi resence of	na (B13) : Plants (l ulfide Odo zosphere Reduced	B14) or (C1) os on Living I Iron (C4)		Secondary In Surface S Drainage Dry Seas Crayfish Saturatio Stunted of	dicators ( oil Crack: Patterns on Water Burrows ( n Visible ( or Stresse	(minimum s (B6) (B10) Table (C2 (C8) on Aerial I	of two required ) magery (C9)
Pepth (included in the content of th	for hydric so  OGY  drology Indicators (minimur Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2)	ators: m of one		W Ad Tr Hy	later-Staine quatic Faur rue Aquatic ydrogen Su xidized Rhi resence of	na (B13) : Plants (l ulfide Odo zosphere Reduced	B14) or (C1) s on Living I		Secondary In Surface S Drainage Dry Sease Crayfish	dicators ( oil Crack: Patterns on Water Burrows ( n Visible ( or Stresse	(minimum s (B6) (B10) Table (C2 (C8) on Aerial I	of two required ) magery (C9)
Pepth (included in the content of th	for hydric so  OGY  drology Indicators (minimum Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) osits (B3) or Crust (B4)	ators: m of one		W AG Tr Hy	later-Staine quatic Faur rue Aquatic ydrogen Su xidized Rhi resence of	na (B13) : Plants (i ulfide Odo zosphere Reduced Reductio	B14) or (C1) s on Living I Iron (C4) n in Tilled So		Secondary In Surface S Drainage Dry Seas Crayfish Saturatio Stunted of	dicators ( oil Crack: Patterns on Water Burrows ( on Visible ( or Stresse hic Positio	(minimum s (B6) (B10) Table (C2 (C8) on Aerial I ed Plants (i	of two required ) magery (C9)
Pepth (income Pe	for hydric so  OGY  drology Indicators (minimum Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) osits (B3) or Crust (B4)	ators: m of one	is required; (	WAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	Vater-Staine quatic Faur rue Aquatic ydrogen Su xidized Rhi resence of ecent Iron	na (B13) c Plants (i ulfide Odd zosphere Reduced Reductio urface (C	B14) or (C1) os on Living I Iron (C4) on in Tilled So		Secondary In Surface S Drainage Dry Seas Crayfish I Saturatio Stunted o	dicators ( oil Crack: Patterns on Water Burrows ( on Visible ( or Stresse hic Positio	(minimum s (B6) (B10) Table (C2 (C8) on Aerial I ed Plants (i	of two required ) magery (C9)
Pepth (incomments)  YDROLO  Yetland Hyce  Frimary Indica  Surface V  High Wat  Saturation  Water Ma  Sediment  Drift Depo  Algal Mat  Iron Depo  Inundation	for hydric so  OGY  Irology Indic ators (minimum Vater (A1) er Table (A2) n (A3) nrks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5)	ators: m of one	is required; (	W   W   Ac   Ac   Tr     Hy   Pr   Rc   Tr     G   G	Vater-Stained quatic Faur rue Aquatic ydrogen Suxidized Rhi resence of ecent Iron hin Muck S	na (B13) c Plants (i ulfide Odd zosphere Reduced Reductio urface (C ell Data (	B14) or (C1) s on Living I Iron (C4) n in Tilled So (77)		Secondary In Surface S Drainage Dry Seas Crayfish I Saturatio Stunted o	dicators ( oil Crack: Patterns on Water Burrows ( on Visible ( or Stresse hic Positio	(minimum s (B6) (B10) Table (C2 (C8) on Aerial I ed Plants (i	of two required ) magery (C9)
Primary Indicated Water May Sediment Drift Deput Algal Mater May Iron Deput Inundation Sparsely	for hydric so DGY  Irology Indicators (minimur Vater (A1) er Table (A2) n (A3) nrks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) on Visible on Advegetated Con	ators: m of one erial Imag cave Surf	is required; of the second sec	W   W   Ac   Ac   Tr     Hy   Co   Co   Tr     Rc   Tr     Gc   Gc   Co   Co   Co   Co   Co   Co   Co   C	Vater-Stained quatic Faur rue Aquatic ydrogen Su xidized Rhi resence of ecent Iron hin Muck Sauge or Water Faur Faur Faur Faur Faur Faur Faur Fau	na (B13) c Plants (i ulfide Odd zosphere Reduced Reductio urface (C ell Data (	B14) or (C1) s on Living I Iron (C4) n in Tilled So (77)		Secondary In Surface S Drainage Dry Seas Crayfish I Saturatio Stunted o	dicators ( oil Crack: Patterns on Water Burrows ( on Visible ( or Stresse hic Positio	(minimum s (B6) (B10) Table (C2 (C8) on Aerial I ed Plants (i	of two required ) magery (C9)
Depth (incomments)  YDROLO  Yetland Hycomments  Surface V High Water Ma Sediment Drift Depo Algal Mat Iron Dept Inundation Sparsely	for hydric so OGY  drology Indicators (minimur Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) on Visible on Adversal (B4) vegetated Contrations:	ators: m of one	is required; of the second sec	W   W   A6   A6   A7   A7   A7   A7   A7   A7	Vater-Stained quatic Faur rue Aquatic ydrogen Su xidized Rhi resence of ecent Iron hin Muck Sauge or Water Faur Faur Faur Faur Faur Faur Faur Fau	na (B13)  Plants (i  Ilfide Odd  Zosphere  Reduced  Reductio  urface (C  ell Data (  in Ren	B14) or (C1) s on Living I Iron (C4) n in Tilled So (77)		Secondary In Surface S Drainage Dry Seas Crayfish I Saturatio Stunted o	dicators ( oil Crack: Patterns on Water Burrows ( on Visible ( or Stresse hic Positio	(minimum s (B6) (B10) Table (C2 (C8) on Aerial I ed Plants (i	of two required ) magery (C9)
Depth (incomments)  PVDROLO  Vetland Hyc  Surface V  High Wat  Saturation  Water Ma  Sediment  Drift Depth Algal Mat  Iron Depth	for hydric so  OGY  Irology Indicators (minimum Vater (A1) er Table (A2) n (A3) nrks (B1) Deposits (B2) or Crust (B4) osits (B5) on Visible on An Vegetated Con  Irations:	ators: m of one erial Imag cave Surf	is required; of gery (B7) Face (B8)	W   W   Ac   Ac   Tr     Hy   C   C   C   C   C   C   C   C   C	/ater-Staine quatic Faur rue Aquatic ydrogen Su xidized Rhi resence of ecent Iron hin Muck S auge or We ther (Expla	na (B13)  Plants (iulfide Odd zosphere Reduced Reductio urface (Cell Data (in Ren in Ren hes):	B14) or (C1) s on Living I Iron (C4) n in Tilled So (77)	poils (C6)	Secondary In Surface S Drainage Dry Sease Crayfish Saturatio Stunted of Geomorp FAC-Neur	dicators ( oil Crack: Patterns on Water Burrows ( n Visible or Stresse hic Position	(minimum s (B6) (B10) Table (C2 (C8) on Aerial I dd Plants (i on (D2)	of two required ) magery (C9) D1)
Depth (incomments)  Primary Indication  Surface V High Water Ma Sediment Drift Depth Algal Mat Iron Depth Inundation Sparsely  Field Observ	for hydric so  OGY  Irology Indicators (minimum Vater (A1) er Table (A2) n (A3) nrks (B1) Deposits (B3) or Crust (B4) posits (B5) on Visible on An Vegetated Con Vations: Present?	ators: m of one erial Imag icave Surf	gery (B7) Face (B8)  No	W   A6   A7   A7   A7   A7   A7   A7   A7	dater-Stained quatic Faurrue Aquatic ydrogen Suxidized Rhi resence of ecent Iron hin Muck Sauge or Wither (Explain Depth (inc.)	na (B13)  Plants (iulfide Odd zosphere Reduced Reductio urface (Cell Data (in in Ren hes): hes):	B14) or (C1) s on Living I Iron (C4) n in Tilled So 77) D9) narks)	poils (C6)	Secondary In Surface S Drainage Dry Seas Crayfish I Saturatio Stunted o	dicators ( oil Crack: Patterns on Water Burrows ( n Visible or Stresse hic Position	(minimum s (B6) (B10) Table (C2 (C8) on Aerial I ed Plants (i	of two required ) magery (C9)
Pepth (incomments)  YDROLO  Yetland Hyce  Frimary Indication  Surface V  High Water Ma  Sediment  Drift Depo Algal Mat Iron Depot Inundation Sparsely  ield Observer of the service of the	for hydric so  DGY  Irology Indic ators (minimur Vater (A1) er Table (A2) n (A3) nrks (B1) Deposits (B2) or Crust (B4) osits (B5) on Visible on Ac Vegetated Con  rations: Present? esent? ellary fringe)	ators: m of one erial Imagicave Surf  Yes Yes Yes	gery (B7) Face (B8)  No No No No	W   W   Ac   Fr   Fr   Fr   Fr   Fr   Fr   Fr   F	dater-Stained quatic Faurrue Aquatic ydrogen Suxidized Rhi resence of ecent Iron hin Muck Sauge or Wither (Explain Depth (inc.)	na (B13)  Plants (iulfide Odd zosphere Reduced Reductio urface (Cell Data (inin in Ren hes): hes): hes):	B14) or (C1) s on Living I Iron (C4) n in Tilled So 77) D9) narks)	oils (C6)	Secondary In Surface S Drainage Dry Sease Crayfish Saturatio Stunted of Geomorp FAC-Neur	dicators ( oil Crack: Patterns on Water Burrows ( n Visible or Stresse hic Position	(minimum s (B6) (B10) Table (C2 (C8) on Aerial I dd Plants (i on (D2)	of two required ) magery (C9) D1)
Pepth (incomments)  Popth	for hydric so  DGY  Irology Indic ators (minimur Vater (A1) er Table (A2) n (A3) nrks (B1) Deposits (B2) or Crust (B4) osits (B5) on Visible on Ac Vegetated Con  rations: Present? esent? ellary fringe)	ators: m of one erial Imagicave Surf Yes Yes (stream (	gery (B7) Face (B8)  No No gauge, mol	W W Ad	dater-Staine quatic Faur rue Aquatic ydrogen Su xidized Rhi resence of ecent Iron hin Muck S auge or We ther (Expla  Depth (inc Depth (inc	na (B13)  Plants (iulfide Odd zosphere Reduced Reductio urface (Cell Data (in in Ren hes): hes): photos,	B14) or (C1) s on Living I Iron (C4) n in Tilled So 77) D9) narks)	oils (C6)	Secondary In Surface S Drainage Dry Sease Crayfish Saturatio Stunted of Geomorp FAC-Neur	dicators ( oil Crack: Patterns on Water Burrows ( n Visible or Stresse hic Position	(minimum s (B6) (B10) Table (C2 (C8) on Aerial I dd Plants (i on (D2)	of two required ) magery (C9) D1)
Pepth (incomments)  Popth	for hydric so  OGY  Irology Indicators (minimum Vater (A1) er Table (A2) in (A3) inks (B1) Deposits (B3) or Crust (B4) posits (B5) in Visible on Aid Vegetated Con Vegetat	ators: m of one erial Imagicave Surf Yes Yes (stream (	gery (B7) Face (B8)  No No gauge, mol	W W Ad	dater-Staine quatic Faur rue Aquatic ydrogen Su xidized Rhi resence of ecent Iron hin Muck S auge or We ther (Expla  Depth (inc Depth (inc	na (B13)  Plants (iulfide Odd zosphere Reduced Reductio urface (Cell Data (in in Ren hes): hes): photos,	B14) or (C1) s on Living I Iron (C4) n in Tilled So 77) D9) narks)	oils (C6)	Secondary In Surface S Drainage Dry Sease Crayfish Saturatio Stunted of Geomorp FAC-Neur	dicators ( oil Crack: Patterns on Water Burrows ( n Visible or Stresse hic Position	(minimum s (B6) (B10) Table (C2 (C8) on Aerial I dd Plants (i on (D2)	of two required ) magery (C9) D1)

oplicant/Owner: Carlisle Interconnect / JP Cullen vestigator(s): Ron Londré, Amanda Larsen undform (hillslope, terrace, etc.): Toeslope			Sampling Point: SP-11
•	Section, To	washin Dongo	C 2/ T EN D 21E
•		wiisiiip, kaiige	: S 26 T 5N R 21E
natorni (misiope, terrace, etc.). Tuestube			concave, convex, none): Concave
	Long.	-	Datum:
	Long.		
iil Map Unit Name: Blount silt loam (BIA)	- Vos ( No	) /15	NWI classification: T3K
e climatic/hydrologic conditions on the site typical for this time of			xplain in Remarks.)  ormal Circumstances" present?  Yes  No  No
e Vegetation	significantly disturbed?	Are "No	ormal Circumstances" present? Yes Vo No
	naturally problematic?		eded, explain any answers in Remarks.)
UMMARY OF FINDINGS - Attach site map sho	wing sampling po	int locatio	ons, transects, important features, etc.
lydrophytic Vegetation Present? Yes   No			_
lydric Soil Present? Yes   No		the Sampled <i>I</i> thin a Wetland	
Vetland Hydrology Present? Yes   No ○			103 9 110 9
Remarks:			
Based on the presence of all three parameters, this point is	is located within a wet	land.	
<b>VEGETATION</b> - Use scientific names of plan			
(5)		t. Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: 30' r	% Cover Cover		Number of Dominant Species
1. Carya ovata			That are OBL, FACW, or FAC:5(A)
2. <u>Tilia americana</u>	30 42.99		Total Number of Dominant
3			Species Across All Strata: 5 (B)
45.	0		Percent of dominant Species
5	70 = Total C		That Are OBL, FACW, or FAC: 100.0% (A/E
_Sapling/Shrub Stratum (Plot size: 15' r )	= Total C	ovei	Prevalence Index worksheet:
1. Carpinus caroliniana	40 🗸 80.09	% FAC	Total % Cover of: Multiply by:
Ostrya virginiana			OBL species 0 x 1 = 0
3.			FACW species $10 \times 2 = 20$
4.			FAC species 158 x 3 = 474
5.	0 0.0%	<u> </u>	FACU species $5 \times 4 = 20$
	50 = Total C	over	UPL species 0 x 5 = 0
	30 🗹 56.69	/ ΕΛC	Column Totals: <u>173</u> (A) <u>514</u> (B)
1_Carpinus caroliniana 2. Carex bromoides	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
3. Cornus racemosa	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		Prevalence Index = B/A = 2.971
4. Trillium recurvatum	5 9.4%		Hydrophytic Vegetation Indicators:
5. Ribes cynosbati	3 5.7%		1 - Rapid Test for Hydrophytic Vegetation
6.	0 0.0%		✓ 2 - Dominance Test is > 50%
7	0 0.0%	ó	✓ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
8.	0 0.0%	6	4 - Morphological Adaptations <sup>1</sup> (Provide supporti data in Remarks or on a separate sheet)
9	0 0.0%	6	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
10	0 0.0%	6	
	53 = Total C	over	1 Indicators of hydric soil and wetland hydrology mu be present, unless disturbed or problematic.
1	0 0.0%	, ,	
2.	0 0.0%		Hydrophytic
	0 = Total C		Vegetation Present? Yes No No
Remarks: (Include photo numbers here or on a separate s	choot )		

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

Profile Desci	ription: (De	scribe to	the depth n	eeded to doo	ument the	indicat	tor or co	onfirm the	e absence of indicators.)	
Depth		Matrix			Redox Fe				-	
(inches)	Color (		<u>%</u>	Color (mo	ist) 9	<u>6 T</u>	Type 1	Loc <sup>2</sup>	Texture	Remarks
0-5	10YR	3/2							Silt Loam	
5-13	10YR	3/1	90 -	10YR	5/6 1	0		М	Silty Clay	
13-20	10YR	5/2	85	10YR	5/6 1	5	С	М	Silty Clay	
								-	·	
<sup>1</sup> Type: C=Con	centration, D	=Depletio	n, RM=Reduc	ced Matrix, CS=	Covered or	Coated	Sand Gra	ains.	<sup>2</sup> Location: PL=Pore Lining	g. M=Matrix.
Hydric Soil									Indicators for Proble	ematic Hydric Soils <sup>3</sup> :
Histosol (	-			-	Gleyed Matri:	x (S4)			Coast Prairie Redox	k (A16)
Black Hist	pedon (A2)				Redox (S5)				☐ Dark Surface (S7)	
	Sulfide (A4)				d Matrix (S6)				☐ Iron Manganese M	asses (F12)
	Layers (A5)				Mucky Miner				Very Shallow Dark	Surface (TF12)
2 cm Muc				_	Gleyed Matri				Other (Explain in R	
☐ Depleted	Below Dark S	Surface (A	11)		ed Matrix (F3 Dark Surface	•			、.	,
☐ Thick Dar	k Surface (A	12)			ed Dark Surface		`		3	
Sandy Mu	ıck Mineral (S	S1)			Depressions		)		<sup>3</sup> Indicators of hydrop wetland hydrolog	hytic vegetation and y must be present,
5 cm Muc	ky Peat or Pe	eat (S3)		Redox	Бергеззіонз	(10)			unless disturbed	
Restrictive L	ayer (if obs	erved):								
Type: <u>N</u>	one									
Depth (inc	hes): <u>NA</u>								Hydric Soil Present?	Yes ● No ○
Remarks:										
The criterion	for hydric s	oil is met								
HYDROLO	)GY									
Wetland Hyd	lrology Indi	icators:								
_			is required; o	check all that a	pply)				Secondary Indica	ators (minimum of two required_
Surface V	Vater (A1)			<b>✓</b> Wate	r-Stained Lea	aves (B9	9)		Surface Soil	Cracks (B6)
✓ High Wat	er Table (A2)	)		Aqua	tic Fauna (B´	13)			☐ Drainage Pat	terns (B10)
✓ Saturation	n (A3)			True	Aquatic Plan	ts (B14)	)		☐ Dry Season \	Nater Table (C2)
☐ Water Ma	rks (B1)			Hydr	ogen Sulfide	Odor (C	C1)		Crayfish Burr	rows (C8)
Sediment	Deposits (B2	2)		Oxidi	zed Rhizosph	neres on	n Living F	Roots (C3)	Saturation Vi	sible on Aerial Imagery (C9)
Drift Dep	osits (B3)			Prese	ence of Redu	ced Iror	n (C4)		Stunted or S	tressed Plants (D1)
Algal Mat	or Crust (B4	)		Rece	nt Iron Redu	ction in	Tilled So	oils (C6)	<b>✓</b> Geomorphic	Position (D2)
Iron Depo	osits (B5)			Thin	Muck Surface	e (C7)			FAC-Neutral	Test (D5)
Inundatio	n Visible on	Aerial Imag	gery (B7)	Gaug	e or Well Da	ta (D9)				
Sparsely '	Vegetated Co	ncave Sur	face (B8)	Othe	r (Explain in	Remark	(s)			
Field Observ		Yes	O No @	) -						
Surface Water	Present?			•	oth (inches):			-		
Water Table P	resent?	Yes	● No ○	) Dep	oth (inches):		2	-		Yes ● No ○
Saturation Pre		Yes	No ○	) Dep	oth (inches):		0	weti	land Hydrology Present?	res S No C
(includes capil		(stream	gauge, mor	nitorina well.	aerial phot	os, pre	evious in	spections	s), if available:	
WETS analys				_		-			-,,	
Remarks:	2, 2000 1111	٠ -, حمانه ۱			23					
	VFTS analy	sis, anter	edent hydr	ologic conditi	ons were w	/ithin a	normal	range -	The criterion for wetland	hydrology is met. Sample point
									f aerial imagery.	J
I										

anlicent/Owner, Carliele Interconnect / ID Cullen			Sampling Date: 13-May-16
pplicant/Owner: Carlisle Interconnect / JP Cullen		State: WI S	Sampling Point: SP-12
nvestigator(s): Ron Londré, Amanda Larsen	Section, Townsh	hip, Range: S 26 T	5N R 21E
andform (hillslope, terrace, etc.): Toeslope		ocal relief (concave, convex, nor	ne): concave
lope: 0.0% 0.0 ° Lat.:	l and :		Datum:
	Long	NIMI do	
oil Map Unit Name: Ashkum silty clay loam (AsA)	a Vos ( No (	(If no, explain in Remarks.)	ssification: T3/E2K
re climatic/hydrologic conditions on the site typical for this time of			" nresent? Yes  No
	ignificantly disturbed?	Are "Normal Circumstances"	" present? Yes S No C
re Vegetation 🗹 , Soil 🗌 , or Hydrology 📙 n	aturally problematic?	(If needed, explain any ans	swers in Remarks.)
SUMMARY OF FINDINGS - Attach site map show	wing sampling point	locations, transects,	important features, etc.
Hydrophytic Vegetation Present? Yes  No			
Hydric Soil Present? Yes  No		Sampled Area	
Wetland Hydrology Present? Yes   No	Within	a Wetland? Yes   No	, O
Remarks:			
Based on the presence of all three parameters, this point is	s located within a wetland	1	
Dased Off the presence of all three parameters, this point is	) located within a wettane		
<b>VEGETATION</b> - Use scientific names of plan			
	Absolute Rel.Strat. I	Indicator Dominance Test	: worksheet:
<u>Tree Stratum</u> (Plot size: 30' r )	% Cover Cover	Status Number of Domin	ant Species
1. Quercus rubra	25 25 36.8%	FACU That are OBL, FAC	
2. Quercus bicolor	20 29.4%	FACW Total Number of D	Dominant
3. Acer saccharinum		FACW Species Across All	
4. Acer rubrum		FAC	
5. Tilia americana	3 4.4%	FACU Percent of domi That Are OBL, F	
(5)	68 = Total Cover	That his obe, i	ACW, OI TAG.
Sapling/Shrub Stratum (Plot size: 155 )		Prevalence Inde	x worksheet:
1. Carpinus caroliniana		FAC Total % C	
2. Ostrya virginiana		FAC OBL species	<u>3</u> x 1 = <u>3</u>
3		FACW species	
4	0 0.0%	FAC species	28
-	0 0.0% 10 = Total Cover	FACU species	28   x 4 = 112
Herb Stratum (Plot size: 5' r )		Oi E species	
1. Carex pensylvanica	50 🗹 61.7%	UPL Column Totals:	: <u>159</u> (A) <u>549</u> (B)
2. Carex bromoides	15 18.5%	FACW Prevalence	Index = $B/A = 3.453$
3. Carex blanda	10	FAC Hydrophytic Veg	getation Indicators:
4. Cornus racemosa		FAC 1 - Rapid Tes	st for Hydrophytic Vegetation
5. Sagittaria latifolia	3	OBL 2 - Dominano	
6	0		ce Index is ≤3.0 <sup>1</sup>
7	0 0.0%	✓ 4 - Morpholo	gical Adaptations <sup>1</sup> (Provide supporting
8	0 0.0%		arks or on a separate sheet)
10.	0 0.0%	Problematic	Hydrophytic Vegetation <sup>1</sup> (Explain)
10.	0 0.0% 81 = Total Cover	1 Indicators of I	hydric soil and wetland hydrology must
Woody Vine Stratu (Plot size: 30' r )		be present, unle	ess disturbed or problematic.
1	0 0.0%		
2	0 0.0%	Hydrophytic Vegetation	
	0 = Total Cover	Present?	Yes ● No ○
	= Total Cover		

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

	ription: (Desc	TIDE TO T	ne deptn ne	eaea to aocu	ment the ind	icator or co	nfirm th	e absence of indicators.)	
Depth	M Color (me	latrix	%	Color (mois	Redox Featut) %	res Type <sup>1</sup>	Loc2	_ Texture	Remarks
(inches) 0-5	10YR	3/2	100	COIOI (IIIOIS	<u> 78</u>	TYPE	LUC	Silt Loam	Remarks
5-14	10YR	4/2	60	10YR 5	/8 20		M		
5-14					<del></del>			Silty Clay	
				10YR 4	/1 20	D	М		
14-22	10YR	5/2	85	10YR 6	/8 15	C	М	Silty Clay	
1 Typo: C-Cor	ncentration, D=I		DM-Poduce	d Matrix CS_C	Covered or Coa	tod Sand Cra	inc	<sup>2</sup> Location: PL=Pore Lining. M	-Matrix
J.	Indicators:	Jepietion	, KIVI=Reduct	eu Matrix, C3=C	overed or coa	teu Sanu Gra	1115.	<del>-</del>	
Histosol				Sandy G	eyed Matrix (S	4)		Indicators for Problem	atic Hydric Soils 3:
	ipedon (A2)				edox (S5)	4)		Coast Prairie Redox (A	16)
Black His	•				Matrix (S6)			Dark Surface (S7)	
Hydroge	n Sulfide (A4)				lucky Mineral (	F1)		Iron Manganese Mass	es (F12)
Stratified	d Layers (A5)				leyed Matrix (F			Very Shallow Dark Sur	face (TF12)
2 cm Mu	.ck (A10)			_	Matrix (F3)	,		Other (Explain in Rem	arks)
	d Below Dark Su	•	1)		ark Surface (F6	<b>5</b> )			
	ark Surface (A12)			Depleted	Dark Surface	(F7)		<sup>3</sup> Indicators of hydrophyt	c vegetation and
l — ´	luck Mineral (S1)			Redox D	epressions (F8)	)		wetland hydrology m	ust be present,
	icky Peat or Peat							unless disturbed or	problematic.
	Layer (if obser	ved):							
Type: _N								Hydric Soil Present?	Yes ● No ○
Depth (in	ches): <u>NA</u>							Tryune John resent.	
Remarks:									
The criterion	n for hydric soi	I is met.							
LIVERGLA									
HYDROL	JGY								
_	drology Indica								
	cators (minimum	of one is	s required; cl						s (minimum of two required
	Water (A1)				Stained Leaves	s (B9)		Surface Soil Cra	
	ter Table (A2)			= .	Fauna (B13)			☐ Drainage Patter	• •
✓ Saturatio					quatic Plants (I			☐ Dry Season Wat	
Water Max	larks (B1)			Hydroc	jen Sulfide Odo	or (C.1)			
								Crayfish Burrow	• •
	t Deposits (B2)			Oxidize	ed Rhizosphere	s on Living R	oots (C3)	Saturation Visible	e on Aerial Imagery (C9)
Drift Dep	oosits (B3)			Oxidize	ce of Reduced	s on Living R Iron (C4)		Saturation Visible Stunted or Stres	e on Aerial Imagery (C9) sed Plants (D1)
Drift Dep	posits (B3) at or Crust (B4)			Oxidize Present	ce of Reduced Iron Reduction	s on Living R Iron (C4) n in Tilled So		Saturation Visibl Stunted or Stres  Geomorphic Pos	e on Aerial Imagery (C9) sed Plants (D1) ition (D2)
Drift Dep Algal Ma	oosits (B3) at or Crust (B4) posits (B5)	riol Image	oru (DZ)	Oxidize Presen Recent Thin M	ce of Reduced Iron Reduction uck Surface (C	s on Living R Iron (C4) n in Tilled So 7)		Saturation Visible Stunted or Stres	e on Aerial Imagery (C9) sed Plants (D1) ition (D2)
Drift Dep Algal Ma Iron Dep Inundation	posits (B3) at or Crust (B4) posits (B5) on Visible on Ae	· ·		Oxidize Present Recent Thin M Gauge	ce of Reduced Iron Reduction uck Surface (C or Well Data (	s on Living R Iron (C4) n in Tilled So 7) D9)		Saturation Visibl Stunted or Stres  Geomorphic Pos	e on Aerial Imagery (C9) sed Plants (D1) ition (D2)
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# APPENDIX F: PROFESSIONAL OPINION ON WETLAND SUSCEPTIBILITY



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

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

Matland Area	<u>Least</u>	<u>Moderately</u>	<u>Highly</u>
Wetland Area	<u>Susceptible</u>	<u>Susceptible</u>	<u>Susceptible</u>
Shallow Marsh	x		
Shrub-carr		x	
Hardwood		v	
Swamp		^	

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

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

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

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

# **APPENDIX C**

**Table 15-3.0503 Table 15-30504 NRPP Checklist** 

# Table 15-3.0505 WORKSHEET FOR THE CALCULATION OF SITE INTENSITY AND CAPACITY FOR NONRESIDENTIAL DEVELOPMENT

STEP 1:	CALCULATE MINIMUM REQUIRED LANDSCAPE SURFACE:	
0.2	Talas Bass Cita Assa (fases Otas 5 in Table 45 0 0500): 40 05 assas	
	Take Base Site Area (from Step 5 in Table 15-3.0502): 12.95 acres	
	Multiple by Minimum Landscape Surface Ratio (LSR)	
	(see specific zoning district LSR standard): X 0.45	5.83 acres
	Equals MINIMUM REQUIRED ON-SITE LANDSCAPE SURFACE =	0.00 00.00
STEP 2:	CALCULATE NET BUILDABLE SITE AREA:	
OILI Z.		
	Take Base Site Area (from Step 5 in Table 15-3.0502): 12.95 acres	
	Subtract <i>Total Resource Protection Land</i> from Table 15-3.0503)	
	or <i>Minimum Required Landscape Surface</i> (from Step 1 above),	
	whichever is greater: - 6.43 acres	
	- 0.43 acres	
	Equals NET BUILDABLE SITE AREA =	6.52 acres
STEP 3:	CALCULATE MAXIMUM NET FLOOR AREA YIELD OF SITE:	
	Take Net Buildable Site Area (from Step 2 above): 6.52 acres	
	Multiple by Maximum Net Floor Area Ratio (NFAR)	
	(see specific nonresidential zoning district NFAR standard): X 0.85	5.54 acres
	Founds MAYIMLIM NET ELOOP AREA VIELD OF SITE	5.54 acres
STEP 4:	Equals MAXIMUM NET FLOOR AREA YIELD OF SITE =  CALCULATE MAXIMUM GROSS FLOOR AREA YIELD OF SITE:	
31EP 4:		
	Take Base Site Area (from Step 5 of Table 15-3.0502): 12.95 acres	
	Multiple by Maximum Gross Floor Area Ratio (GFAR)	
	(see specific nonresidential zoning district GFAR standard): X 0.55	7.12 acres
	Equals MAXIMUM GROSS FLOOR AREA YIELD OF SITE =	7.12 doies
STEP 5:	DETERMINE MAXIMUM PERMITTED FLOOR AREA OF SITE:	
JILF J.		5.54 acres
	Take the <i>lowest</i> of Maximum Net Floor Area Yield of Site (from Step 3 above) or Maximum Gross Floor Area Yield of Site (from Step 4 above):	(241,322 square
	above, or maximum Gross riour Area Freid or Site (norm Step 4 above).	feet)
	(Multiple results by 43,560 for maximum floor area in square feet):	

Table 15-3.0503 Worksheet for the Calculation of Natural Resource Protection Land

Natural Resource Feature	Zoning District Type: Non- Residential (b) Protection Standard (%)	Area of Resource in Study Area (acres)	Protection Requirement (acres)	Area of Proposed Disturbance in Study Area (acres)
Steep Slopes:				
10 - 19%	40%	0.00	0.00	0.00
20 - 30%	70%	0.00	0.00	0.00
> 30%	80%	0.00	0.00	0.00
Woodlands & Forests:				
Mature	70%	5.30	3.71	0.34
Young	50%	0.00	0.00	0.00
Lakes & Ponds	100%	0.09	0.09	0.00
Streams	100%	0.00	0.00	0.00
Shore Buffer	100%	0.56	0.56	0.00
Floodplains/Floodlands	100%	0.00	0.00	0.00
Wetland Buffers (30')	100%	0.63	0.63	0.12
Wetland Setback (50')*	100%	0.75	0.75	0.13
Wetlands & Shoreland Wetlands	100%	6.44	6.44	0.23

<sup>\*</sup> The 50' Wetland Setback also includes the land within the 30' Wetland Buffer.

The total unadjusted natural resource protection land is 13.77 acres; however, the mature woodland, wetland, wetland buffer, wetland setback, pond, and shore buffer overlap covers 7.34 acres. Due to overlapping natural resources, the adjusted natural resource protection land is 6.43 acres.

# **APPENDIX D**

**Site Photographs** 



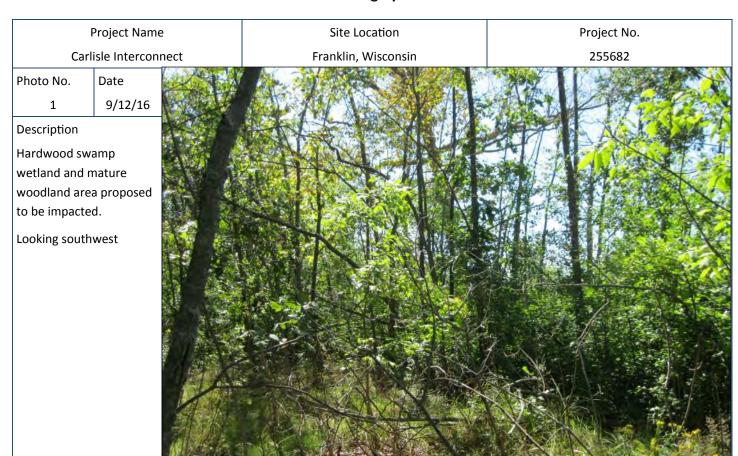


Photo No.

Date

2

9/12/16

Description

Hardwood swamp wetland and mature woodland area proposed to be impacted.

Looking north





Project Name Site Location Project No.

Carlisle Interconnect Franklin, Wisconsin 255682

Photo No. Date

3

9/12/16

Description

Hardwood swamp wetland and mature woodland area proposed to be impacted.

Looking south



Photo No. Date 9/12/16

Description

Hardwood swamp wetland and wetland, mature woodland, and wetland buffer/setback proposed to be impacted.

Looking north





Project Name Site Location Project No.

Carlisle Interconnect Franklin, Wisconsin 255682

Photo No. Date

5 9/12/16

Description

Hardwood swamp wetland, mature woodland, and wetland buffer/setback proposed to be impacted.

Looking east



Photo No. Date

6 5/11/16

Description

Hardwood swamp wetland, mature woodland, and wetland buffer/setback proposed to be impacted.

Looking west from within mature woodland.





Project Name Carlisle Interconnect

Site Location Franklin, Wisconsin Project No. 255682

Photo No. 5

Date

5/11/16

Description

North end of northwest parking lot with where the invasive grass Phragmities occurs. Herbicide treatment and native seeding will be conducted here for mitigation.



Photo No.

Date

6

5/11/16

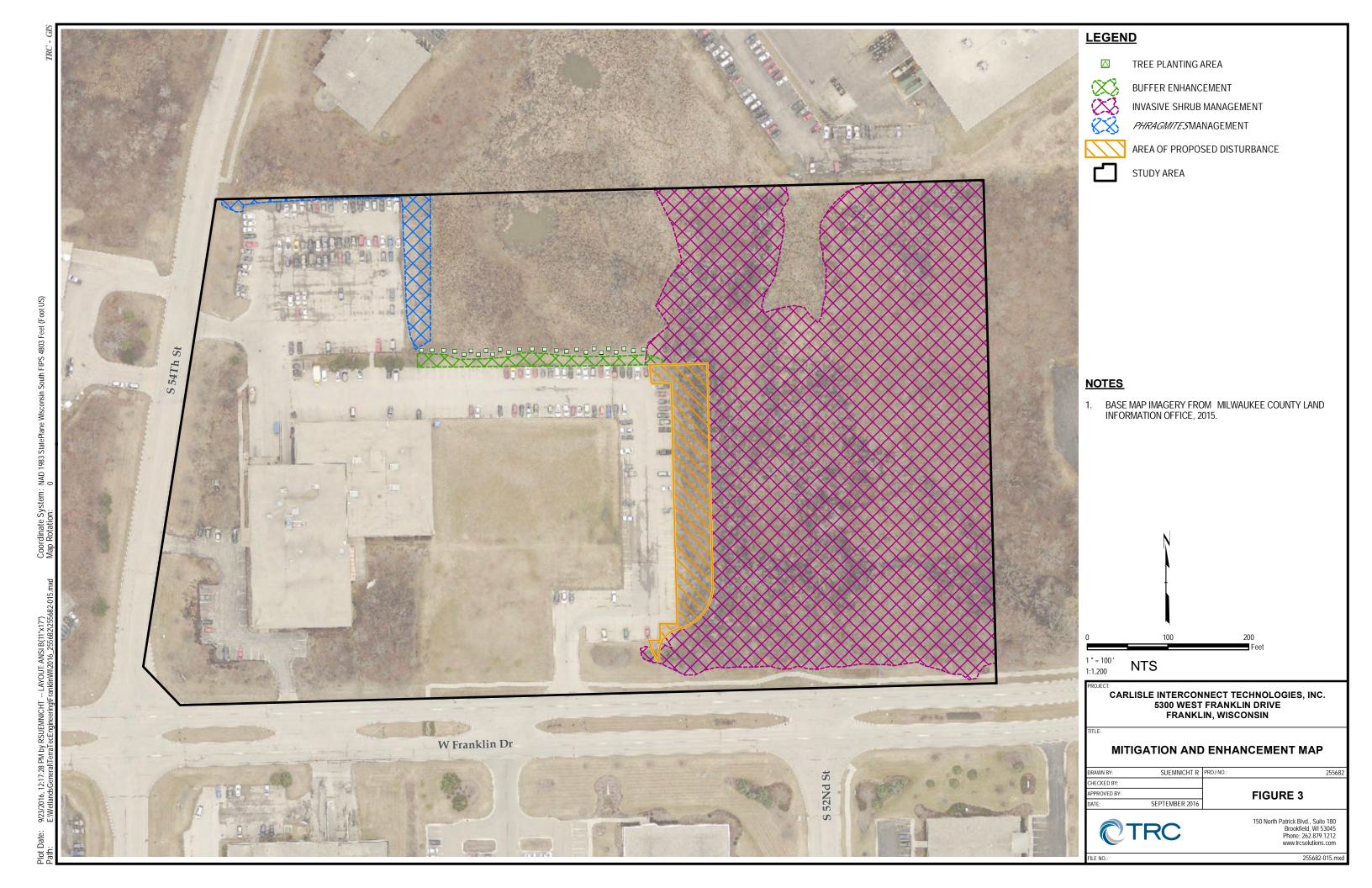
Description

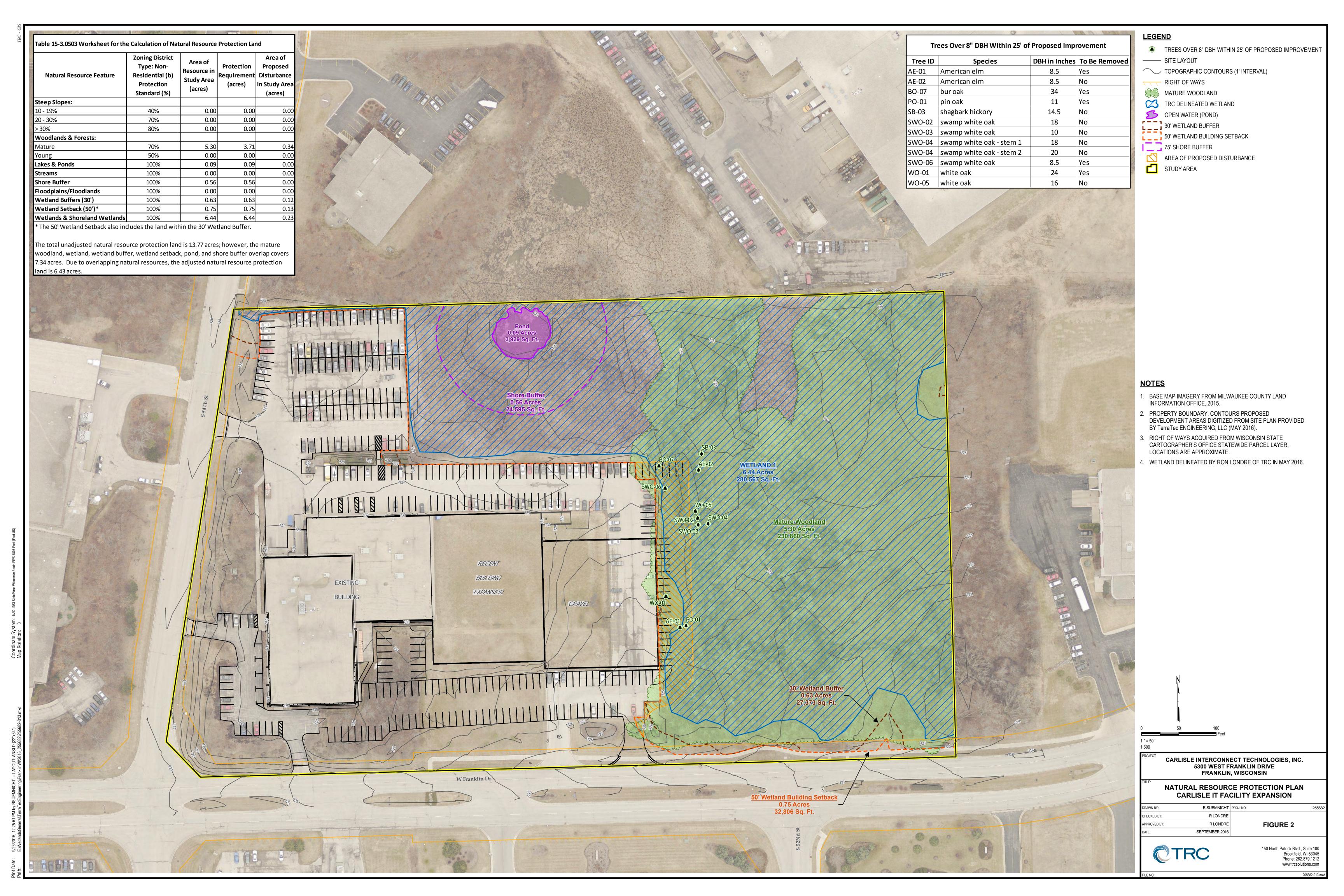
North side of parking where wetland buffer can be enhanced and general area where native tree saplings can be plated for mitigation.



# **APPENDIX E**

Figure 3 – Mitigation Map





# **List and Status of State and Federal Agency Permits**

Permit	Status
State of WI Ch. 30 Wetland Fill General	Application submitted to WDNR on
Permit	September 26, 2016
Clean Water Act Section 404 Wetland Fill	Application submitted to U.S. Army Corps of
General Permit	Engineers on September 26, 2016
WPDES Construction Site Storm Water	To be submitted 2 <sup>nd</sup> or 3 <sup>rd</sup> week of October
Runoff Permit	



## REPORT TO THE PLAN COMMISSION

## Meeting of November 3, 2016

# **Preliminary Plat**

**RECOMMENDATION:** City Development Staff recommends approval of the Preliminary Plat Applications for the development of 12 single-family residential lots, subject to the conditions as noted in the attached draft resolution.

**Project Name:** Evergreen Park Estates Rezoning and Preliminary Plat

**Project Address:** 7501 South 49<sup>th</sup> Street

**Applicant:** Rick Przybyla, Creative Homes, Inc.

Owners (property): Franklin Oasis, LLC

**Current Zoning:** R-6 Suburban Single-Family Residence District and C-1

**Conservancy District** 

**Proposed Zoning:** R-6 Suburban Single-Family Residence District

**Use of Surrounding Properties:** Single-family residential to the north and south, Pleasant

View Elementary School and Pleasant View Neighborhood

Park to the east and single-family and multi-family

residential to the west

**Applicant Action Requested:** Recommendation of approval of the Rezoning and

**Preliminary Plat** 

## **Introduction:**

Please note:

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

On June 20, 2016, the applicant submitted an application for a Rezoning and Preliminary Plat for property located at 7501 South 49<sup>th</sup> Street. The preliminary plat proposed to subdivide the existing 32.67-acre property into six R-6 single-family residential lots and five outlots. At the request of Department of City Development staff, the applicant also submitted a Rezoning Application to rezone a portion of the property from C-1 Conservancy District to R-6 Suburban Single-Family Residence District.

At the July 21, 2016 meeting, the Plan Commission recommended approval of the proposed Rezoning and Preliminary Plat. The Rezoning was approved at the October 4, 2016 Common Council meeting; however, the applicant did not move forward with the preliminary plat at that time. The applicant was waiting for a navigability determination from the Wisconsin Department of Natural Resources and later decided to revise the preliminary plat. The preliminary plat was amended to add a cul-de-sac extending from W. Evergreen Street and a storm water pond to

accommodate six additional lots. As staff considered this to be a significant change to the plat, the applicant, on October 10, 2016, submitted a revised plat for staff and Milwaukee County review.

The revised Evergreen Park Estates subdivision plat includes 12 lots and 4 outlots, which are further described below. Note that a future concept plan for the northern portion of the property has also been provided as a separate exhibit.

## **Project Description/Analysis:**

The subject property is located between West Evergreen Street and the future extension of West Marquette Avenue, east of South 51<sup>st</sup> Street (Taxkey No. 788-9981-001). The property currently contains one single-family home and is approximately 32.67 acres.

The proposed Evergreen Park subdivision layout includes 12 residential lots and 4 outlots. Lot 1 is located south of West Evergreen Street, Lot 2 is located on the north side of W. Evergreen Street opposite Lot 1, eight lots are located on a cul-de-sac extending north from W. Evergreen Street (Lots 3 through 10) and two lots are located east of South 51<sup>st</sup> Street (Lots 11 and 12).

The lots range in size from about 16,724 square feet to approximately 32,349 square feet, all exceeding the R-6 Residence District minimum of 11,000 square feet. The average or mean lot size is about 21,193 square feet. Lots 1 and 2 will be accessible from West Evergreen Street, Lots 3 through 10 will have access from the proposed Evergreen Park Court and Lots 11 and 12 will be provided ingress/egress from South 51<sup>st</sup> Street.

The applicant has included a walking trail between Lot 8 and Lot 9. This trail will be extended at the time of Phase 2 to provide a connection from the future extension of W. Marquette Avenue to Pleasant View Neighborhood Park through this subdivision development. <u>Staff recommends that the applicant shall pave the walking trail between Lots 8 and 9 up to the 50-foot wetland setback line at the same time as construction of the proposed Evergreen Park Court and prior to issuance of an Occupancy Permit for an individual home. Staff suggests this be paved to the lot boundary, as such, a Natural Resource Protection Standards Public Streets, Sidewalks and Trails exemption would be necessary.</u>

Outlot 1 is located south of W. Evergreen Street and mostly consists of protected natural resource features, largely the 100-year and 500-year floodplain. Outlot 2 inlcudes protected natural resource features and the proposed storm water management pond and will be retained by the developer. Outlot 3 is located on the northern portion of the property and will also be retained by the developer for the planned future phase(s) of the subdivision. Lastly, Outlot 4 is located to the east of the proposed Evergreen Park Court. Outlot 4 is approximately 13-feet wide and will be dedicated to the City. This outlot is meant to help ensure that the existing tree line at that location is protected.

A storm water pond exists to the south east of West Evergreen Street and the proposed subdivision development. The storm water pond design anticipated six residential lots abutting West Evergreen Street and was sized and constructed accordingly; therefore, the applicant had to

provide additional storm water facilities to accommodate the additional lots. As mentioned, a pond is proposed within Outlot 2. <u>Note that staff is recommending that any land disturbance and impervious surface within Lots 11 and 12 be made part of and included in the storm water calculations for any future phase of development upon the subject property.</u>

Please be aware that the applicant has indicated and briefly discussed with staff, the possibility of re-sizing and utilizing the existing pond on City property for the proposed subdivision development and converting the area proposed for storm water management into a buildable lot, with a donation to the park as well. This will require additional discussions with the City; however, if this occurs it will require an amendment to the plat, which could potentially be done at the time of Final Plat, if deemed to still substantially conform to the Prelimianry Plat. Staff notes that if the existing pond is utilized, the proposed Evergreen Park Court could be moved further west to greater protect the tree line on that side of the property, as opposed to the creation of an additional buildable lot.

Generally related to the plat, <u>staff is also recommending that the applicant shall submit a revised</u> <u>Preliminary Plat application for Department of City Development review and approval, prior to submittal of a Final Plat, which includes:</u>

- a grading and drainage plan, including the impact upon the existing tree line along the east side of the property;
- a draft Subdivision Development Agreement; and
- storm water management calculations.

Although there is not a second ingress/egress from West Evergreen Street to/from South 51<sup>st</sup> Street, the proposed Evergreen Park Court itself is less than 800-feet in length, which complies with Section 15-5.0103 of the UDO (below). It can also be noted that a public path, wide enough to accommodate emergency vehicles, is envisioned to extend from Evergreen Park Court northward through the future phase of this subdivision to Marquette Avenue.

**Length.** Cul-de-sac streets designed to have one (1) end permanently closed shall not exceed eight hundred (800) feet in length.

## Natural Resource Protection Plan:

A Natural Resource Protection Plan (NRPP) is required as part of the Preliminary Plat Application submittal. According to the project narrative, the site contains wetlands and associated wetland buffers and setbacks, floodplain and young woodlands.

The wetlands were delineated by Dave Meyer of Wetland and Waterway Consulting on November 11, 2015. A full and complete wetland delineation report is on file with the Department of City Development. The cover letter of that report is attached. Dave Meyer is a Wisconsin Department of Natural Resources (WDNR) assured delineator; therefore, Department of City Development staff did not require separate review by a City consultant.

The applicant has identified two wetlands on the property. The wetlands are illustrated on the Preliminary Plat. A large wetland runs through the middle of the property and a smaller wetland exists to the east of the properties located at 7582 and 7610 S. 51<sup>st</sup> Street. The Wisconsin

Department of Natural Resource Features Water Surface Data Viewer identifies the larger wetland as an intermittent stream; however, the WDNR provided a letter, dated October 3, 2016 indicating that the waterway is non-navigable.

The applicant also completed a detailed tree survey of the property, which is attached for review. The NRPP shows approximately 2.888 acres of young woodland present. The applicant is proposing to disturb 1.144 acres or 50% of young woodlands onsite, which meets the protection standard of 50% per Table 15-4.0100 of the UDO.

In review of the applicant's tree survey, staff has determined that a grove exists adjacent to the existing home on the north side of the property. Staff also finds that it is likely a grove exists within the tree line located along the east side of the property as well. <u>Staff recommends that the tree survey be further reviewed by staff and the applicant's consultant or by a third party consultant to be paid for by the applicant, at the Planning Manager's discretion, to verify if additional woodlands, including groves are present onsite and require protection. Any additional woodlands present shall be shown on the Natural Resource Protection Plan and protected in a conservation easement as required by the Unified Development Ordinance.</u>

The applicant has not yet provided a written conservation easement for staff review. <u>Staff recommends that the applicant shall prepare a written conservation easement document for submittal as part of the Final Plat Application for Common Council review and approval. Staff suggests that the conservation easement also include the 50-foot wetland setback.</u>

<u>Staff is also recommending, with agreement from the applicant, that where a conservation easement exists on an individual lot, the applicant shall mark the location of the conservation easement onsite utilizing signage or boulders</u>. As currently proposed, this will apply to Lots 6 through 10.

#### Signage:

The applicant did not provide any signage information for this phase of the development. <u>Staff recommends that any proposed subdivision monument sign(s) shall be subject to review and approval by the Plan Commission and issuance of a Sign Permit from the Inspection Department.</u>

## Comprehensive Master Plan:

The 2025 Future Land Use Map designates the property at 7501 South 49<sup>th</sup> Street as Residential and Areas of Natural Resource Features. The proposed single-family residential use, along with the protection of natural resources features within a conservation easement, is consistent with the City of Franklin 2025 Comprehensive Master Plan.

# **Staff Recommendation:**

City Development Staff recommends approval of the Preliminary Plat Applications for the development of 12 single-family residential lots, subject to the conditions as noted in the attached draft resolution.

MILWAUKEE COUNTY [Draft 10-28-16]

RESOLUTION NO. 2016-\_\_\_\_

A RESOLUTION CONDITIONALLY APPROVING A
PRELIMINARY PLAT FOR EVERGREEN PARK ESTATES SUBDIVISION
(AT APPROXIMATELY 7501 SOUTH 49TH STREET)
(RICK J. PRZYBYLA, PRESIDENT OF CREATIVE HOMES, INC., APPLICANT)

WHEREAS, the City of Franklin, Wisconsin, having received an application for approval of a preliminary plat for Evergreen Park Estates Subdivision, such plat being a part of lands in the Northeast 1/4, Southeast 1/4, Southwest 1/4 and Northwest 1/4 of the Southeast 1/4 of Section 11, Township 5 North, Range 21 East, City of Franklin, Milwaukee County, Wisconsin, more specifically, of the property located at approximately 7501 South 49th Street [The Preliminary Plat includes one lot south of West Evergreen Street (Lot 1), one lot north of West Evergreen Street (Lot 2), two lots east of South 51st Street (Lots 11 and 12), 8 lots on the west side of a cul-de-sac extending north from West Evergreen Street and four outlots, which are reserved for future single-family residential lots, proposed and future storm water management facilities and/or consist of protected natural resource features.], bearing Tax Key No. 788-9981-001, Rick J. Przybyla, President of Creative Homes, Inc., applicant; said revised Preliminary Plat having been reviewed by the City Plan Commission and the Plan Commission having recommended approval thereof at its meeting on July 21, 2016, pursuant to certain conditions; and

WHEREAS, the Common Council having reviewed such application and Plan Commission recommendation and the Common Council having determined that such proposed revised preliminary plat 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 revised Preliminary Plat of Evergreen Park Estates Subdivision, as submitted by Rick J. Przybyla, President of Creative Homes, Inc., 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.
- 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.

# RICK J. PRZYBYLA, PRESIDENT OF CREATIVE HOMES, INC. – PRELIMINARY PLAT RESOLUTION NO. 2016-\_\_\_\_\_ Page 2

- 3. Franklin Oasis, LLC, successors and assigns and any developer of the Evergreen Park Estates 6 lot single-family residential subdivision development 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 Evergreen Park Estates 12 lot single-family residential subdivision development, 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.
- 4. The approval granted hereunder is conditional upon Rick J. Przybyla, President of Creative Homes, Inc. and the Evergreen Park Estates 12 lot single-family residential subdivision development project for the property located at approximately 7501 South 49th Street: (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.
- 5. The Evergreen Park Estates 12 lot single-family residential subdivision development project shall be developed in substantial compliance with the terms and provisions of this Resolution.
- 6. Any land disturbance and impervious surface within Lots 11 and 12 shall be made part of, and included in, the storm water calculations for any future phase of development upon the subject property.
- 7. The applicant shall submit a revised Preliminary Plat application for Department of City Development review and approval, prior to submittal of a Final Plat, which includes:
  - a. A Grading and Drainage Plan, including the impact upon the existing tree line along the east side of the property.
  - b. A draft Subdivision Development Agreement.
  - c. Storm water management calculations.
- 8. All building setback lines shall be a minimum of six feet from conservation easement boundaries when protected groves or woodlands are present.
- 9. Wherever a conservation easement exists on an individual lot, the applicant shall mark the location of the conservation easement onsite utilizing signage or boulders.

RICK J. PRZYBYLA, PRESIDENT OF CREATIVE HOMES, INC. – PRELIMINARY
PLAT
RESOLUTION NO. 2016
Page 3

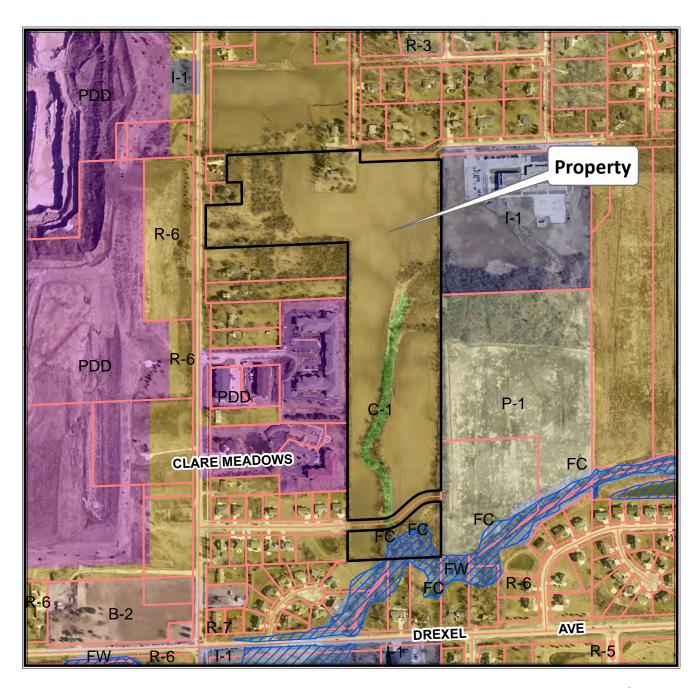
- 10. The applicant shall pave the walking trail between Lots 8 and 9 up to the 50-foot wetland setback line at the same time as construction of the proposed Evergreen Park Court and prior to issuance of an Occupancy Permit for an individual home.
- 11. The tree survey provided by the applicant shall be further reviewed by staff and the applicant's consultant or by a third party consultant to be paid for by the applicant, at the Planning Manager's discretion, to verify if additional woodlands, including groves are present onsite and require protection. Any additional woodlands present shall be shown on the Natural Resource Protection Plan and protected in a conservation easement as required by the Unified Development Ordinance view of tree survey to ensure all woodlands and groves are protected as required by the Unified Development Ordinance
- 12. The applicant shall prepare a written conservation easement document for submittal as part of the Final Plat Application for Common Council review and approval.
- 13. Any proposed subdivision monument sign(s) shall be subject to review and approval by the Plan Commission and issuance of a Sign Permit from the Inspection Department.

Introduced at a regular meeting of the, 2016	Common Council of the City of Franklin this 5.
Passed and adopted at a regular meet Franklin this day of	ting of the Common Council of the City of, 2016.
	APPROVED:
ATTEST:	Stephen R. Olson, Mayor
Sandra L. Wesolowski, City Clerk	

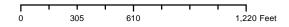
AYES \_\_\_\_\_ NOES \_\_\_\_ ABSENT \_\_\_\_



7501 S. 49th Street TKN: 788 9981 001



Planning Department (414) 425-4024

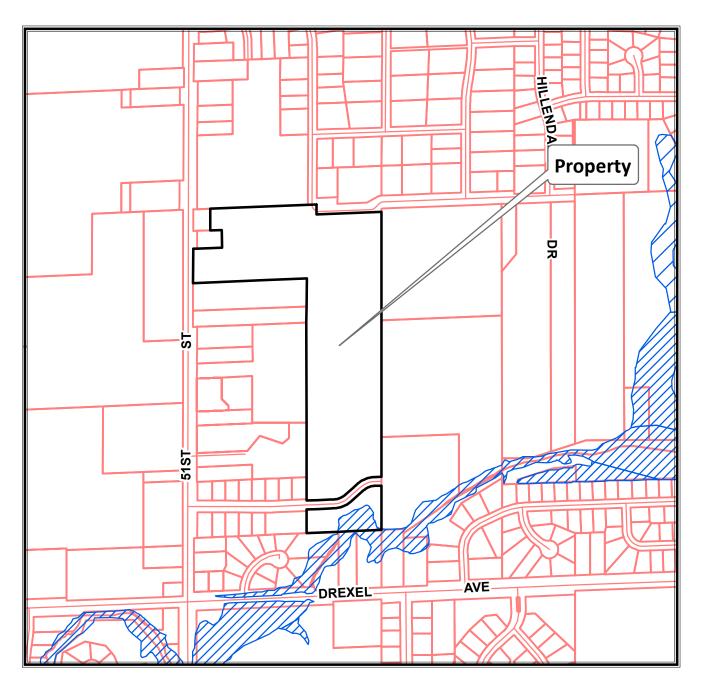


NORTH 2016 Aerial Photo

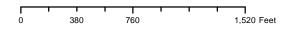
This map shows the approximate relative location of property boundaries but was not prepared by a professional land surveyor. This map is provided for informational purposes only and may not be sufficient or appropriate for legal, engineering, or surveying purposes.



7501 S. 49th Street TKN: 788 9981 001



Planning Department (414) 425-4024



NORTH 2016 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.



Date: 10-26-2016

Mr. Nick Fuchs, City of Franklin

Re: Revised Evergreen Park Estates Preliminary Plat Staff Comments

**Evergreen Park Estates** 

Dear Mr. Fuchs,

Thank you for your prompt review and assistance on the Evergreen Park Estates sub-division. Below are our responses to the comment letter provided on October 19, 2016.

#### **Department of City Development**

- 1. The lot number has been revised to 12 per the comments.
- 2. The conservation easement has been depicted more clearly on the preliminary plat as requested.
- 3. The wetland buffer and wetland setback have been more clearly labeled.
- 4. There are no protected natural resource areas found or indicated on the survey for Lot 1.
- 5. It is the preference of the developer to protect the wetland buffers by the placement of signs and stone markers. The reduction of the lot sizes would negatively impact the character of the proposed development.
  - Lot 2 has been adjusted to be out of the protected woodlands and conservation easement..
  - All building setback lines are greater than a minimum of six feet from the conservation easement.
  - Reducing the lot sizes to exclude the wetland buffers would impact the constructability and value of some of the lots. The UDO currently allows wetland buffers in residential lots and the current plan complies with the ordinance.
  - It is the developer's preference to mark the conservation easement will marked on the properties with signage or boulders.
- 6. By code for a mature woodland an area or strand of trees whose total combined canopy covers an area of one acre or more and at least fifty percent of which is composed of canopies of trees having a diameter of at least 10" at breast height. The eastern area is less than an acre. Therefore it cannot be a mature woodland. To be considered a young woodland, an area or strand of trees whose total combined canopy covers an area of one-half acre or more and at least fifty percent of which is composed of canopies of trees having a diameter of at least 3 inches at breast height. The southeastern area does not have a consistent canopy that is larger than half an acre. Therefore it cannot be considered a young woodland.
  - It is the developer's intent to protect as many trees as reasonable, while preserving the integrity of the development.
  - Options are being contemplated to reduce impacts to the tree line, and we would request to work with staff on those options.

- 7. The report has been revised to include the delineation report by Dave Meyer.
- 8. The NRPP narrative has been modified to say the conservation easement will be owned by the Homeowner's Association when not located on private lots.
- 9. The owner would like to wait to pave the walkway until the water main installation has been completed in future developments. It is our intent to extend the watermain to the limits of the conservation with this development.
- 10. Conversations and an agreement has been made with Nick Fuchs that the conservation easement document does not need to be submitted until the final plat.
- 11. The land to the south of lot 12 is planned for future maintenance access to the outlots.
- 12. A separate exhibit will be provided showing the future phases of the development.
- 13. Understood, an entrance sign is not planned at this time.
- 14. Understood, The length of the cul-de-sac meets current standards within the UDO.
- 15. The calculation worksheet is submitted with this document.
- 16. The Plan Commission meeting has a public hearing portion which we feel would be an appropriate venue for the discussions.

#### **Engineering Department**

- 1. Lots 1 and 2 are considered to be part of this project and will be included in all stormwater management. It is our understanding that the regional detention pond was designed to accommodate a portion of the development.
  - Lots 12 and 13 will be included with the stormwater calculations for the development.
- 2. The basin that was originally depicted was conceptual. However, we have adjusted the stormwater pond to more accurately reflect DNR requirements.
- 3. The area between lots 9 and 10 is part of Outlot 3. A note has been added to clearly identify its purpose on the plans.
- 4. The right of way has been adjusted to 60 feet.
- 5. The stormwater pond has been adjusted to meet City of Franklin requirements.

## **Police Department**

No comments.

#### **Fire Department**

The proposed road shall meet City of Franklin design standards.

## **Milwaukee County**

Thank you for sending the plans to Milwaukee County for review. We will respond to the comments once received.

Thank you for your time and consideration. If you should have any comments or questions, feel free to contact me at 262.402.5040.

Sincerely,

Daniel E. Meier, P.E.

Director of Private Development

www.lynch-engineering.com

State of Wisconsin

<u>DEPARTMENT OF NATURAL</u>

<u>RESOURCES</u>

Waukesha Service Center
141 NW Barstow, Room 180

Waukesha, WI 53188

Scott Walker, Governor Cathy Stepp, Secretary Telephone 608-266-2621 Toll Free 1-888-936-7463 TTY Access via relay - 711



October 3, 2016

Rick Przybyla 9244 W. Grandview Ct Franklin WI 53132

INF-SE-41-03710

Subject: Navigability Determination

Dear Mr. Przybyla:

This letter follows your request to the Department of Natural Resources (Department) to conduct a navigability determination for a waterway which flows through your property with a tax key number 7889981001, City of Franklin, Milwaukee County. Department staff visited the property on September 7<sup>th</sup>, 2016 and determined the waterway to be **non-navigable**.

In Wisconsin, the Supreme Court has defined a navigable waterway as one which has a defined bed and banks and carries enough water to float a canoe or other watercraft during high periods of water. Based on this definition, the waterway is non-navigable. While the waterway did have defined bed and bank much of it was either too narrow or not deep enough to float a watercraft. My assessment of the waterway included reviewing historic Department documentation and database records, USGS topographic maps and aerial photographs. The field investigation was conducted on September 7th, 2016, using standard Department protocol regarding the assessment of physical and biological characteristics.

The waterway in question originates in a wetland complex, flows south through a tree line and under Evergreen Ct. See the attached air photo for the location of the non-navigable waterway.

Please contact me if you have any questions.

Sincerely,

Geri Radermacher

Water Management Specialist

Deu Radermacher

Cc: City of Franklin

ACOE

Mike Doble, Lynch & Associates





Non-Navigable tributary to Root River. Site visit 09/07/2016

The *base site area* shall be calculated as indicated in Table 15-3.0502 for each parcel of land to be used or built upon in the City of Franklin as referenced in Section 15-3.0501 of this Ordinance.

#### Table 15-3.0502

# WORKSHEET FOR THE CALCULATION OF BASE SITE AREA FOR BOTH RESIDENTIAL AND NONRESIDENTIAL DEVELOPMENT

STEP 1:	Indicate the total gross site area (in acres) as determined by an actual on-site boundary survey of the property.	3:	2.13	2 <sub>acres</sub>
STEP 2:	Subtract ( - ) land which constitutes any existing dedicated public street rights-of-way, land located within the ultimate road rights-of-way of existing roads, the rights-of-way of major utilities, and any dedicated public park and/or school site area.		Ø	acres
STEP 3:	Subtract ( - ) land which, as a part of a previously approved development or land division, was reserved for open space.	4	Ø	acres
STEP 4:	In the case of "Site Intensity and Capacity Calculations" for a proposed residential use, subtract (-) the land proposed for nonresidential uses;  or  In the case of "Site Intensity and Capacity Calculations" for a proposed nonresidential use, subtract (-) the land proposed for residential uses.		ø	acres
STEP 5:	Equals "Base Site Area"	= 1	32.13	Zacres 2

# SECTION 15-3.0503 CALCULATION OF THE AREA OF NATURAL RESOURCES TO BE PROTECTED

All land area with those natural resource features as described in Division 15-4.0100 of this Ordinance and as listed in Table 15-3.0503 and lying within the *base site area* (as defined in Section 15-3.0502), shall be measured relative to each natural resource feature present. The actual land area encompassed by each type of resource is then entered into the column of Table 15-3.0503 titled "Acres of Land in Resource Feature." The acreage of each natural resource feature shall be multiplied by its respective *natural resource protection standard* (to be selected from Table 15-4.0100 of this Ordinance for applicable agricultural, residential, or nonresidential zoning district) to determine the amount of resource protection land or area required to be kept in open space in order to protect the resource or feature. The sum total of all resource protection land on the site equals the *total resource protection land*. The *total resource protection land* shall be calculated as indicated in Table 15-3.0503.

#### PROTECTION LAND

Natural Resource Feature	Upon Z (circle app Table 15-4.01	on Standard Foring District licable standa 00 for the typich the parcel	Type rd from e of zoning	Acres of Land in Resource Feature
	Agricultural District	Residential District	Non- Residential District.	
Steep Slopes:	2.00	0.60	2.40	
10-19%	0.00	0.60	0.40	X
20-30%	0.65	0.75	0.70	X
+ 30%	0.90	0.85	0.80	X
Woodlands & Forests:				./
Mature	0.70	0.70	0.70	x Ø
Young	0.50	0.50	0.50	= 1.144
Lakes & Ponds	l	t	1	X
Streams	1	1	t	X Ø
Shore Buffer	1	1	1	X Ø
Floodplains/Floodlands	1	1	1	x <u>1.335</u> = 1.335
Wetland Buffers		1	t	X 2.566 = 2.566
Wetlands & Shoreland Wetlands	1	1	1	x 3.804 = 3.804
TOTAL RESOURCE PROTECT (Total of Acres of Land in Resou		rotected)		8.849

**Note:** In conducting the calculations in Table 15-3.0503, if two or more natural resource features are present on the same area of land, only the most restrictive resource protection standard shall be used. For example, if floodplain and young woodlands occupy the same space on a parcel of land, the resource protection standard would be 1.0 which represents the higher of the two standards.

# CALCULATION OF SITE INTENSITY AND CAPACITY FOR RESIDENTIAL USES

In order to determine the maximum number of dwelling units which may be permitted on a parcel of land zoned in a residential zoning district, the site intensity and capacity calculations set forth in Table 15-3.0504 shall be performed.

#### Table 15-3.0504

# WORKSHEET FOR THE CALCULATION OF SITE INTENSITY AND CAPACITY FOR RESIDENTIAL DEVELOPMENT

	CALCULATE MINIMAL REQUIRED ON-SITE OPEN SPACE	
	Take Base Site Area (from Step 5 in Table 15-3.0502): 32.132	
STEP 1:	Multiple by Minimum <i>Open Space Ratio (OSR)</i> (see specific residential zoning district OSR standard): X	
	Equals MINIMUM REQUIRED ON-SITE OPEN SPACE =	
	CALCULATE NET BUILDABLE SITE AREA:	
	Take Base Site Area (from Step 5 in Table 15-3.0502): 32.132	
STEP 2:	Subtract Total Resource Protection Land from Table 15-3.0503) or Minimum Required On-Site Open Space (from Step 1 above), whichever is greater:	
	Equals NET BUILDABLE SITE AREA =	23.283acres
	CALCULATE MAXIMUM NET DENSITY YIELD OF SITE:	
	Take Net Buildable Site Area (from Step 2 above): 23.283	
STEP 3:	Multiply by Maximum Net Density (ND) (see specific residential zoning district ND standard): X 2972	
	Equals MAXIMUM NET DENSITY YIELD OF SITE =	69.197 D.U.s
	CALCULATE MAXIMUM GROSS DENSITY YIELD OF SITE:	
	Take <i>Base Site Area</i> (from Step 5 of Table 15-3.0502): 32.\32	1
STEP 4:	Multiple by Maximum Gross Density (GD) (see specific residential zoning district GD standard): X 2.972	
	Equals MAXIMUM GROSS DENSITY YIELD OF SITE	95.496 D.U.s
	DETERMINE MAXIMUM PERMITTED D.U.s OF SITE:	
STEP 5:	Take the <i>lowest</i> of Maximum Net Density Yield of Site (from Step 3 above) or Maximum Gross Density Yield of Site (from Step 4 above):	69.197 D.U.s

Part 3: Zoning Districts: District Establishment, Dimensional, and Use Regulations

Evergreen Estates is a planned residential development at 7501 South 51<sup>st</sup> Street within the City of Franklin. The project will be located on a 32.132-acre parcel which is bounded by Evergreen Street, S. 51<sup>st</sup> Street, and S. 49<sup>th</sup> Street. The site generally slopes from the northwest to the southeast. There are two wetland on site. There is a small wetland located along the west property line. There is a larger wetland running down the middle of the site.

This project is being developed by Creative Homes, Inc. under the direction of Rick Przybyla, President (414-529-0958). Creative Homes is located at 9244 W. Grandview Ct, Franklin, WI 53132. The current owner of the property is Christine Beringer, Franklin Oasis, LLC, 9055 W. Allerton Ave. Greenfield, WI 53228.

Survey crews have been out to the site to survey the existing trees and wetlands. The wetlands have then been checked by a natural resource professional to identify the type of wetland. The wetlands have also been delineated. Everything has been done in accordance with Division 15-4.0101 of the City of Franklin Unified Development Ordinance.

The natural resources within this parcel are as summarized in Table 1:

Table 1: Evergreen Estates Natural Reso	ource Feature Summary				
Natural Resource Feature	Protection Standard	Area Present (Acres)	Area Protected (Ac	res) Protection Pe	ercent
Wetlands	100%	3.804	3.804	100%	
Wetland Buffer (30')	100%	2.566	2.566	100%	
Floodplain	100%	1.335	1.335	100%	
Young Woodlands	50%	2.288	1.144	50%	
Streams	100%	0	0	N/A	
Totals		9.993	8.849		

Per Section 15-3.0502, Lynch has calculated the "Base Site Area" for the parcel. The total parcel area equals 32.132 acres. Using the "Calculation of Base Site Area for Residential Development", the site has a "Base Site Area" of 32.132 acres.

Per Section 15-3.0504 Lynch has also calculated the "Site Intensity and Capacity For Residential Uses." Based on using the calculations outlined in Table 15-3.0504, the **Maximum Number of Permitted Development Units for this parcel is 69.197.** 

As noted in Table 1, there are **8.849 acres of natural resource features** which have been designated for protection. These features include Young Woodlands (Attachment 2: Tree Survey), Wetlands (Attachment 5: Wetland Delineation Report), floodplains, and associated buffers. Please see Attachment 3 for a graphic depiction of these areas.

The method of protection for these features will be consolidation of natural resource features into outlots with conservation easements in place to restrict future uses. All conservation easement areas not located on private land will be held in common by the property owner's association for future protection. Conservation easements located on private land will be shown with signs or boulders. A copy of the conservation easement text is attached as Attachment 1.

In accordance with the provisions of the City of Franklin Unified Development Ordinance, a map has been prepared to illustrate the planned natural resource protection plan for the proposed development. This is included as Attachment 3.

Attachment 1: Conservation Easement

Attachment 2: Tree Survey

Attachment 3: Site Map and Development Plan

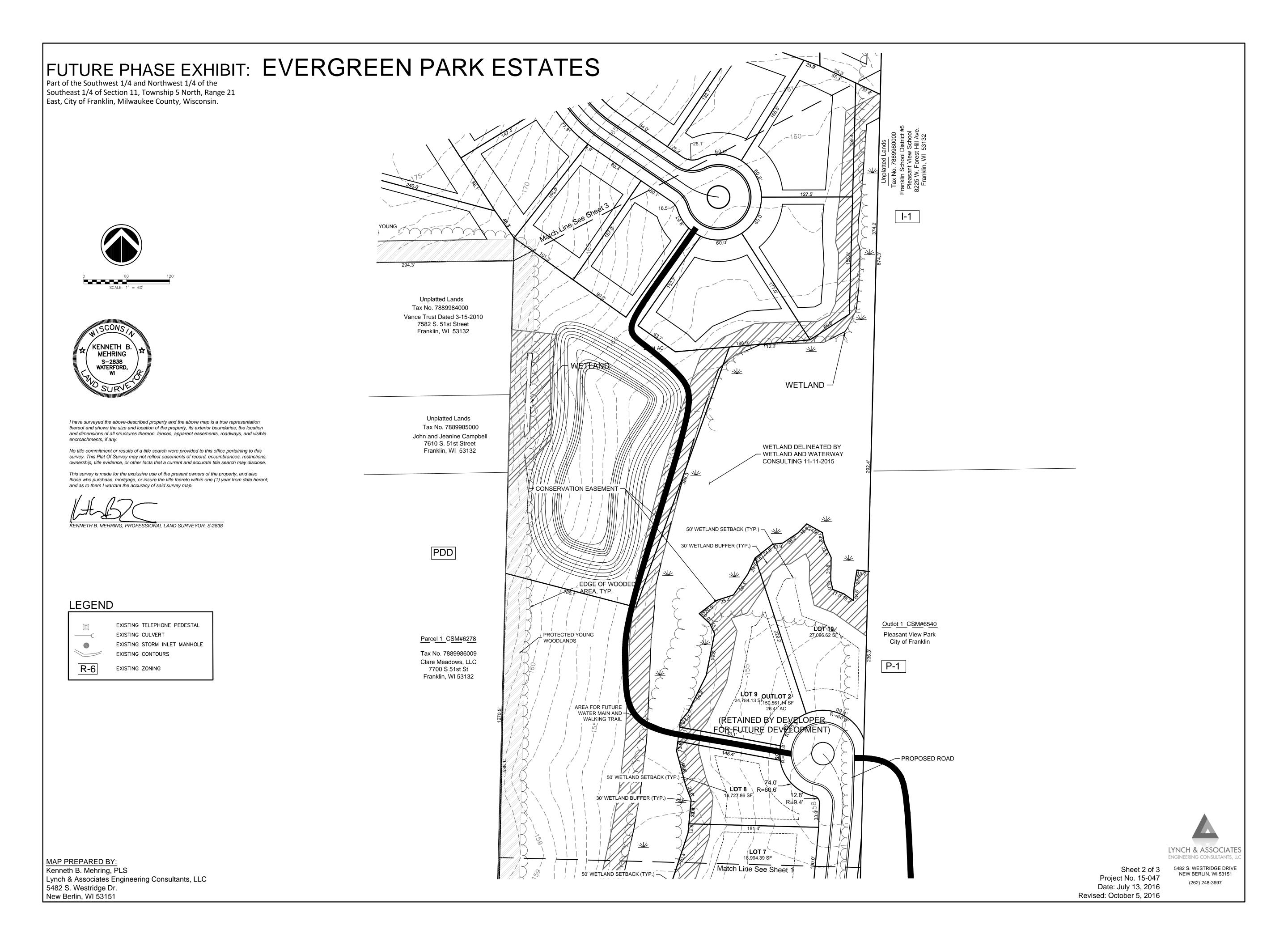
Attachment 4: Site Intensity and Capacity Calculations

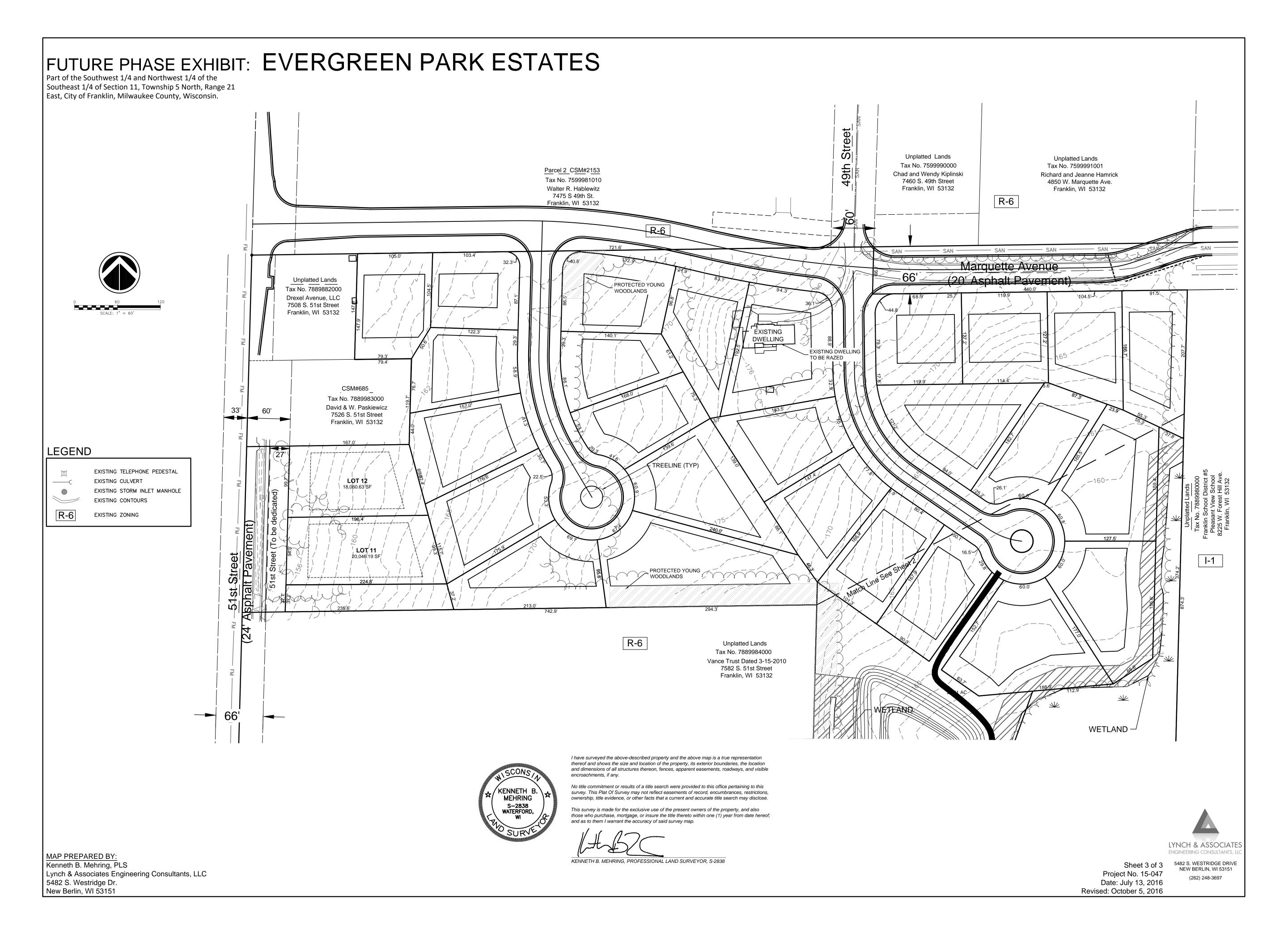
Attachment 5: Wetland Delineation Report

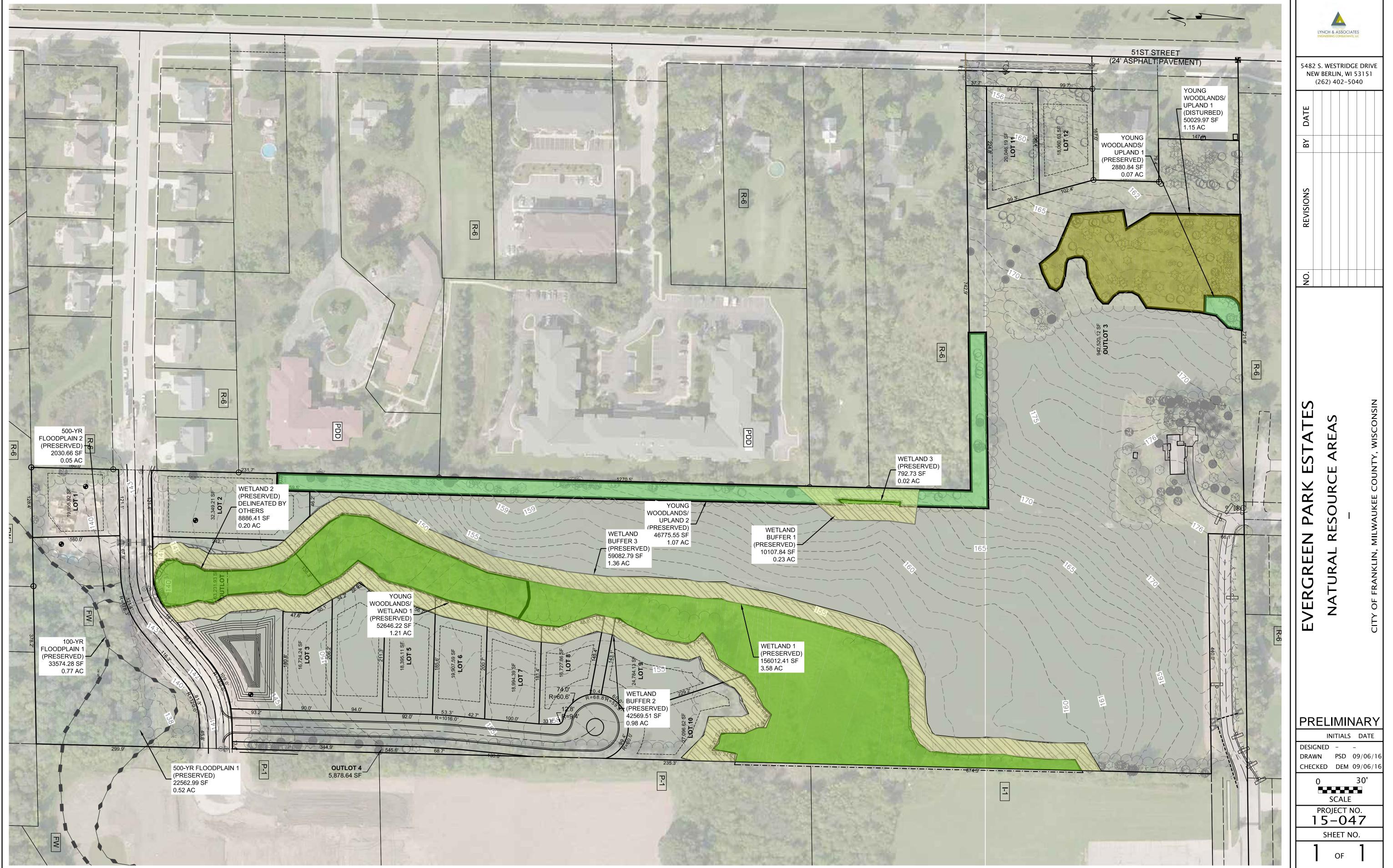
Attachment 6: Navigability Determination communication

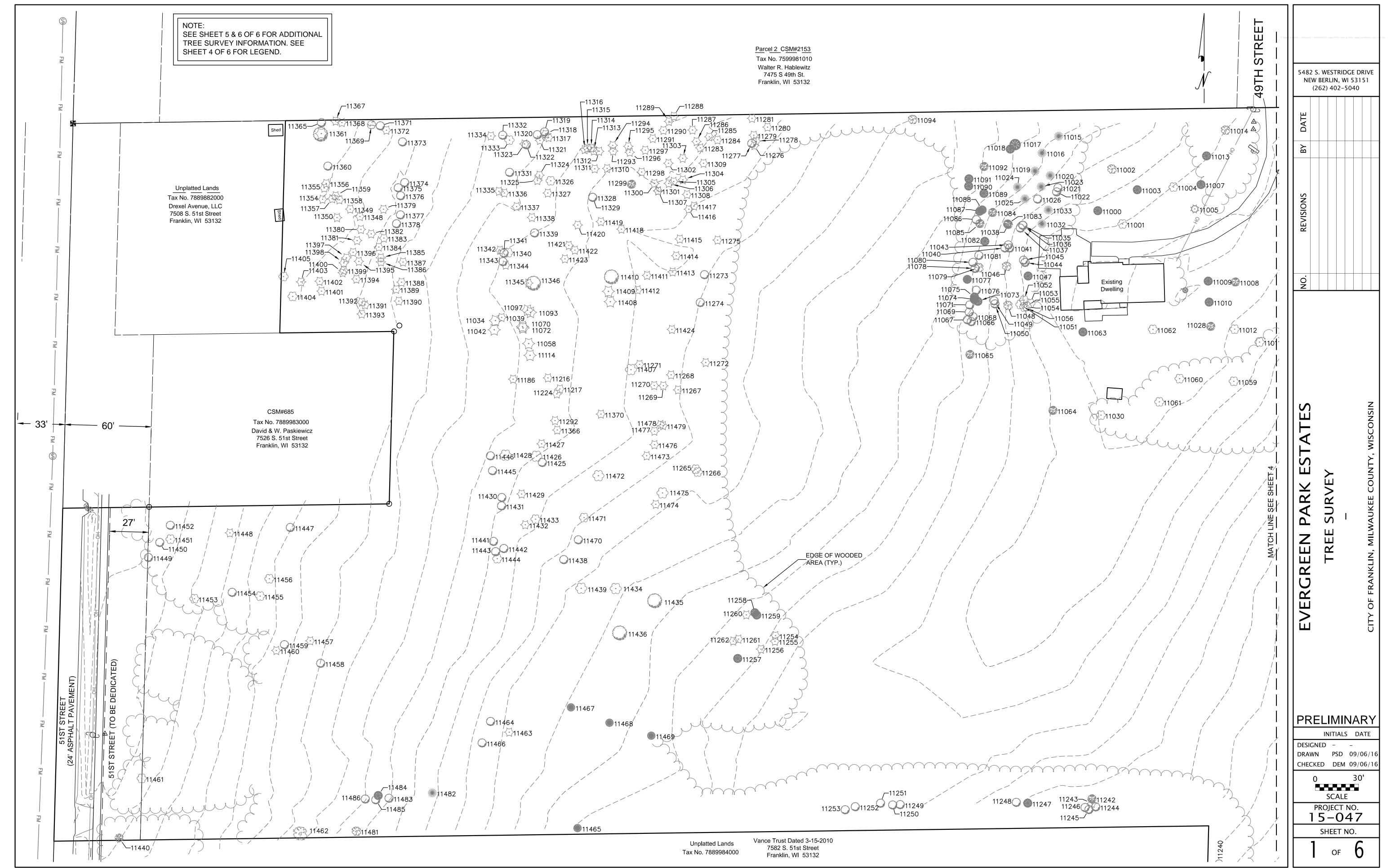
Attachment 7: Natural Resource Features Key

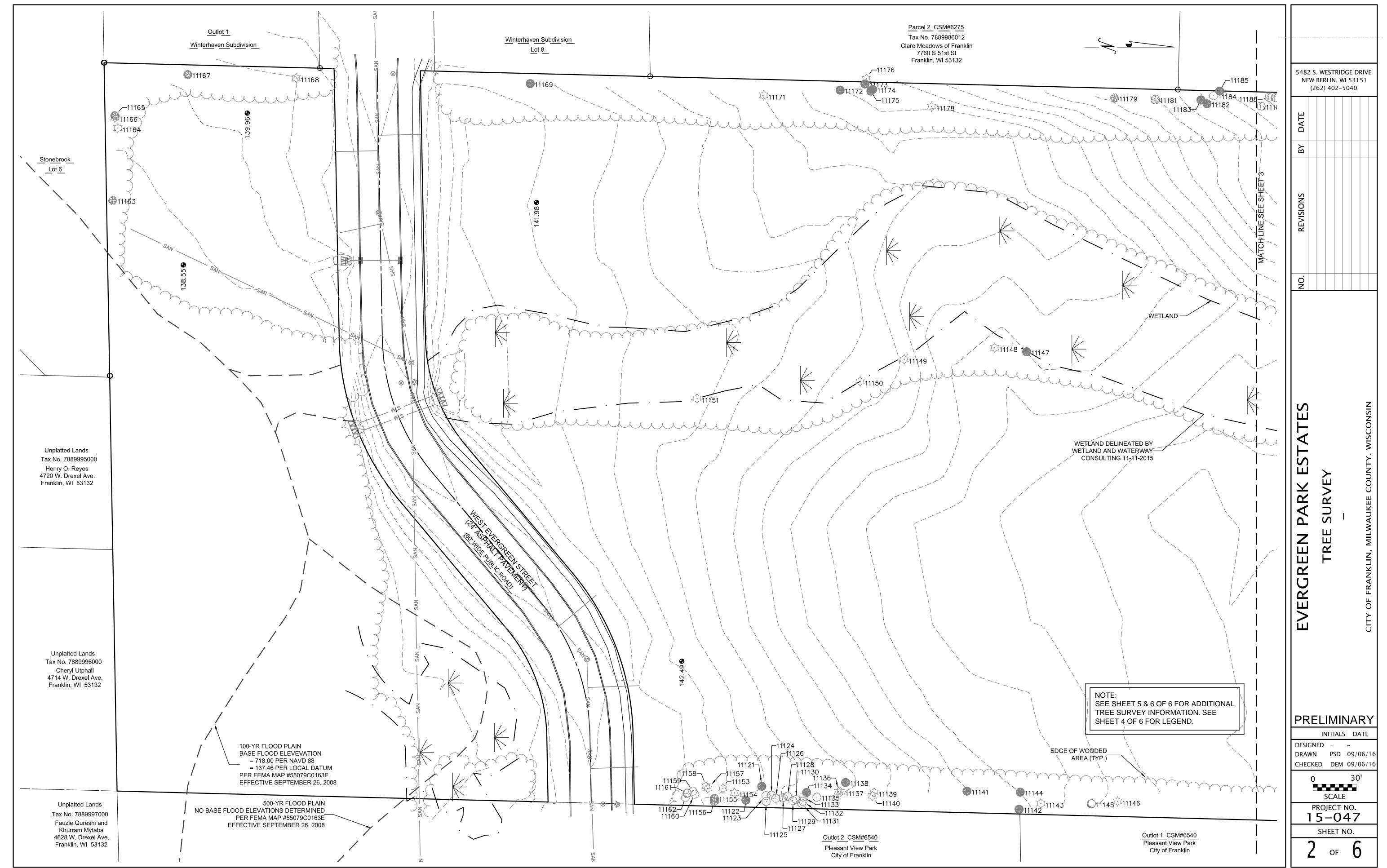
The wetlands and natural resources will be protected in accordance with the City of Franklin Unified Development Ordinance. If you have any questions concerning this Natural Resource Protection Plan, please contact Lynch and Associates via Mr. Dan Meier, 262.751.1873.

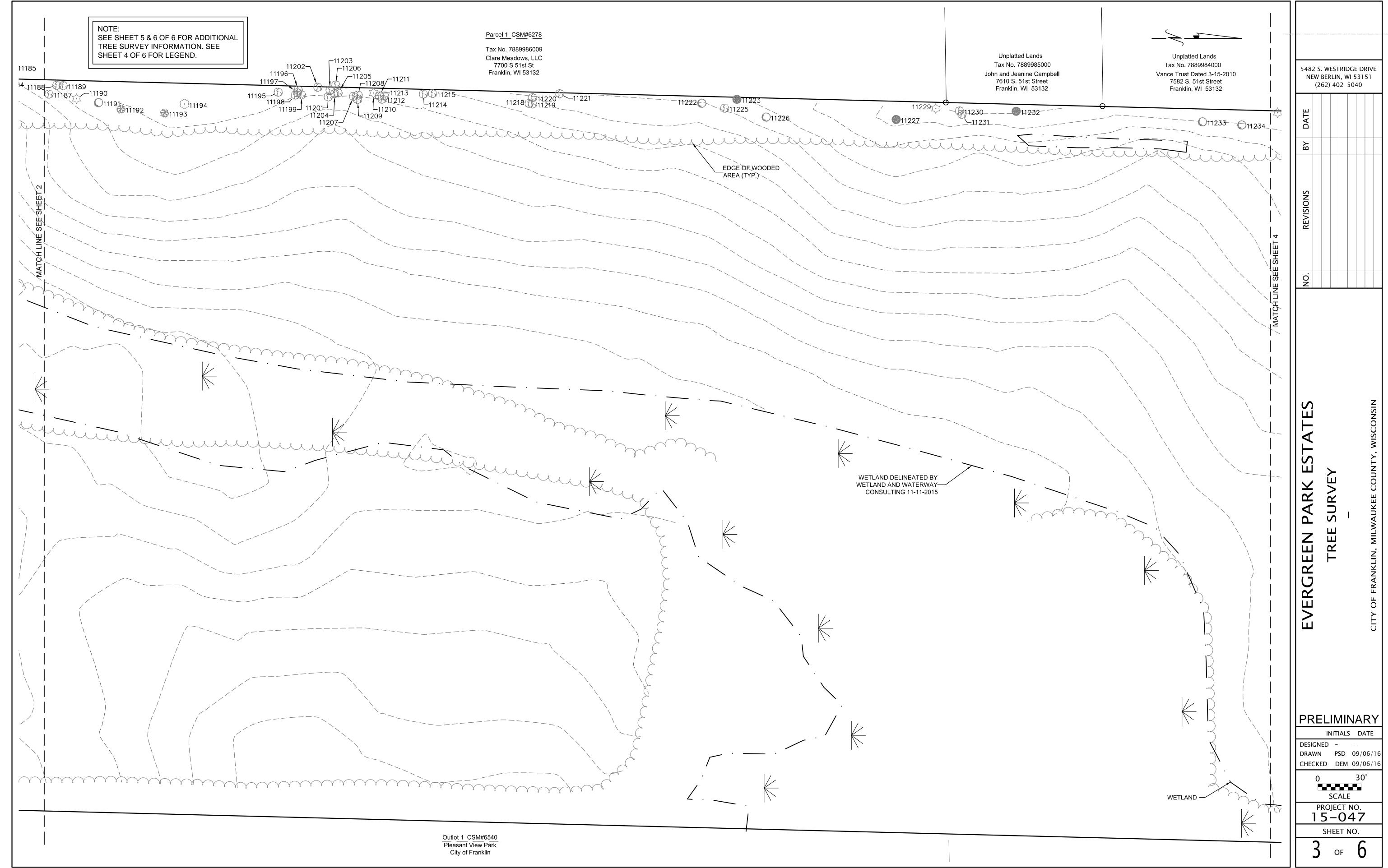


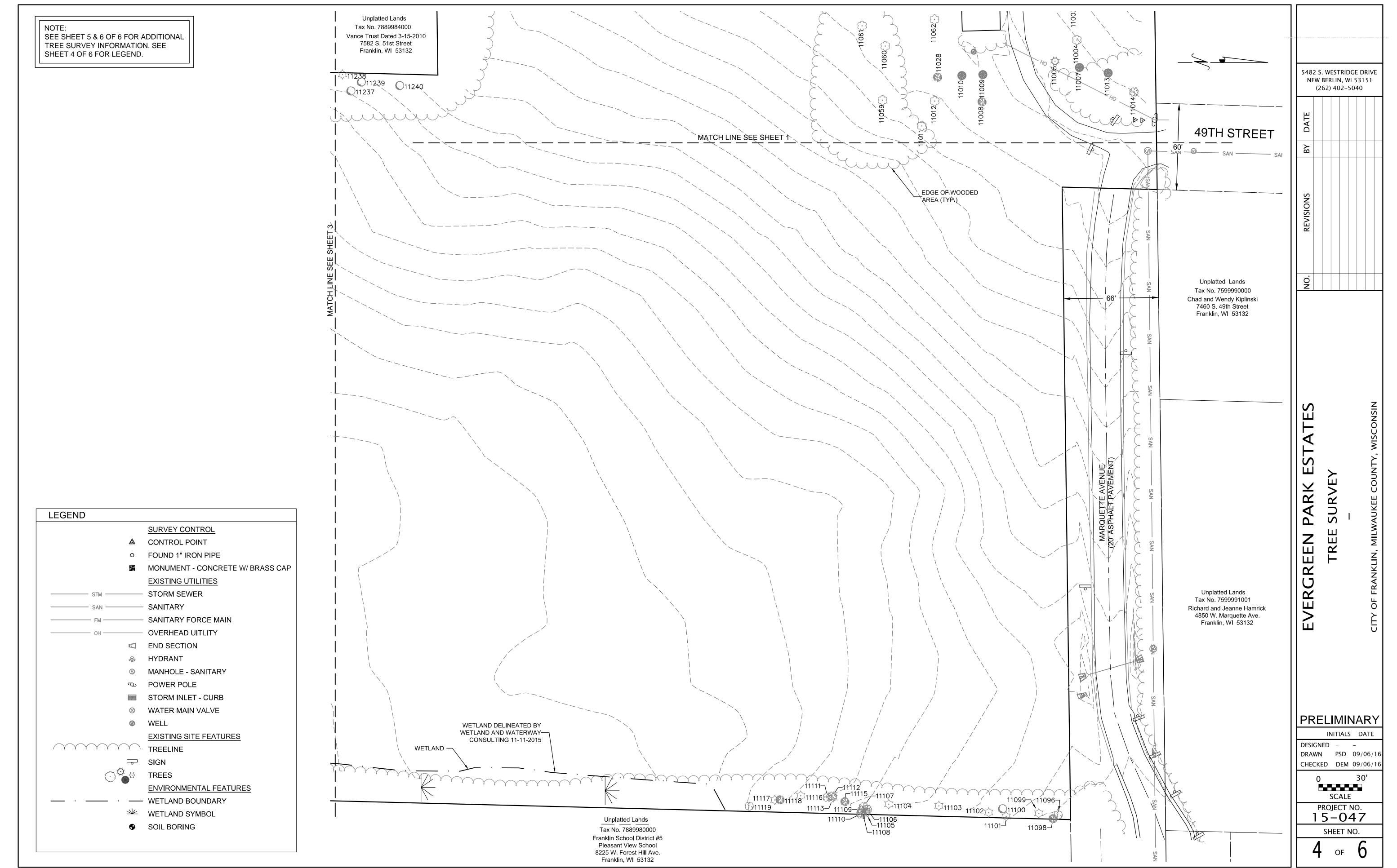












TREE NUMBER	SPECIES	DBH (IN.)	SHEET REFERENCE
11000	CHERRY	18	<u> </u>
11001	APPLE	12	1
11002	HICKORY	10	1
11003	MAPLE	18	1
11004	APPLE	10	1
11005	PINE	6	1
11007	MAPLE	24	1
11008	DEAD	16	1
11009	MAPLE	20	1
11010	MAPLE	14	1
11011	APPLE	12	1
11012	APPLE	6	1
11013	MAPLE	14	 1
11014	HICKORY	22	1
11015	SPRUCE	10	1
11016	SPRUCE	16	1
11017	MAPLE	26	1
11018	MAPLE	16	1
11019	SPRUCE	16	 1
11020	SPRUCE		<u>'</u> 1
		22	
11021	CEDAR	6	1
11022	CEDAR	8	1
11023	SPRUCE	10	1
11024	SPRUCE	12	1
11025	SPRUCE	8	1
11026	CEDAR	14	 1
11028	DEAD	10	1
11030	APPLE	6	1
11032	SPRUCE	18	1
11033	SPRUCE	16	1
11034	ASH	8 & 6 TWIN	1
11035	CEDAR	10	1
			<u>'</u> 1
11036	CEDAR	10	
11037	CEDAR	10	1
11038	DEAD	6	1
11039	ASH	5	1
11040	CEDAR	6	1
11041	CEDAR	8	1
11042	ASH	6	1
11043		10	<u>'</u> 1
	CEDAR		
11044	CEDAR	6	1
11045	CEDAR	6	1
11046	HICKORY	10	1
11047	MAPLE	28	1
11048	HICKORY	10	1
11049	CEDAR	8	1
11050	CEDAR	10	1
11051	APPLE	6	1
11052	APPLE	8	1
11053	APPLE	8	1
11054	APPLE	6	1
11055	APPLE	6	1
11056	APPLE	4	1
11058	ASH	8	1
11059	APPLE	12	1
11060	APPLE	14	1
11061	APPLE	14	1
11062	APPLE	14	1
		16	
11063	MAPLE		1
11064	DEAD	6	1
11065	DEAD	10	1
11066	ELM	8	1
11067	ELM	6	1
11068	ELM	4	1
11069	ELM	6	1
11070	ASH	8	1
11071	ELM	3	1
11071 11072	ELM ASH	8	1

TREE NUMBER	SPECIES	DBH (IN.)	SHEET REFERENCE
11076	ELM	8	1
11077	POPLAR	10	1
11078	ELM	6	1
11079	HICKORY	3	1
11080	ELM	8	1
11081	ELM	8	1
11082	MAPLE	3	1
11083	DEAD	6	1
11084	DEAD	6	1
11085	DEAD	8	1
11086	ELM	3	1
11087	POPLAR	3	1
11088	POPLAR	3	1
11089	MAPLE	6	1
11090	MAPLE	3	1
11091	MAPLE	3	1
11092	DEAD	8	1
11093	ASH	5	1
11094	HICKORY	3	1
11096	HAWTHORN	4	4
11097	ASH	6	1
11098	DEAD	4	4
11099	ASH	6	4
11100	ELM	4	4
11101	ASH	4	4
11102	ASH	10	4
11103	ASH	3	4
11104	ASH	6	4
11105	HICKORY	16	4
11106	HICKORY	6	4
11107	HICKORY	8	4
11108	HICKORY	8	4
11109	HICKORY	6	4
11110	HICKORY	3	4
11111	HICKORY	3	4
11112	HICKORY	4	4
11113	ASH	4	4
11114	ASH	4	1
11115	DEAD	4	4
11116	ASH	8	4
11117	ASH	3	4
11118	DEAD	3	4
11119	HAWTHORN	6	4
11121	CHERRY	4	2
11122	CHERRY	4	2
11123	OAK	3	2
11124	OAK	3	2
11125	OAK	4	2
11126	OAK	4	2
11127	HAWTHORN	4	2
11128	OAK	8	2
11129	OAK	3	2
11130	OAK	12	2
11131	OAK	3	2
11132	OAK	6	2
11133	OAK	10	2
11134	CHERRY	8	2
11135	OAK	14	2
11136	ASH	6	2
11137	ASH	4	2
11138	CHERRY	3	2
11139	ASH	8	2
11140	ASH	4	2
11141	CHERRY	3	2
11142	CHERRY	3	2
11143	ASH	4	2
11144	CHERRY	3	2
11145	ELM	10	2
11146	ASH	6	2
11147	CHERRY	6	2

CHERRY

11147

11148

TREE NUMBER	SPECIES	DBH (IN.)	SHEET REFERENCE	
11149	ASH	3	2	
11150	ASH	3	2	
11151	ASH	6	2	
11153	ASH	3	2	
11154	ASH	10	2	
11155	DEAD	6	2	
11156	DEAD	6	2	
11157	ASH	3	2	
11158	ASH	6	2	
11159	OAK	6	2	
11160	OAK	8	2	
11161	ELM	14	2	
11162	OAK	12	2	
11163	CHESTNUT	5	2	
11164	ASH	3	2	
11165	DEAD	8	2	
11166	ASH	12	2	
11167	DEAD	8 TWIN	2	
11168	ASH	5	2	
11169	CHERRY	6	2	
11171	ASH	6	2	
11172	CHERRY	6	2	
11173	CHERRY	8	2	
11174	CHERRY	10	2	
11175	CHERRY	12	2	
11176	ASH	3	2	
11178	ASH	3	2	
11179	CHESTNUT	40	2	
11181	HICKORY	4	2	
11182	CHERRY	10	2	
11183	CHERRY	8	2	
11184	OAK	4	2	
			2	
11185	CHERRY	4		
11186	ASH	4	1	
11187	HAWTHORN	5	3	
11188	HAWTHORN	4	3	
11189	HAWTHORN	5	3	
11190	ASH	4	3	
11191	ELM	14	3	
11192	MULBERRY	5	3	
11193	MULBERRY	8	3	
11194	APPLE	3	3	
11195	HAWTHORN	10	3	
11196	HAWTHORN	4	3	
11197	HAWTHORN	4	3	
11198	HAWTHORN	6	3	
11199	HAWTHORN	6	3	
11201	HAWTHORN	3	3	
11202	HAWTHORN	6	3	
11203	HAWTHORN	4	3	
11204	HAWTHORN	4	3	
11205	HAWTHORN	6	3	
	HAWTHORN	8	3	
11206				
11207	HAWTHORN	6	3	
11208	HAWTHORN	6	3	
11209	HAWTHORN	6	3	
11210	ASH	4	3	
11211	HAWTHORN	6	3	
11212	HAWTHORN	6	3	
11213	HAWTHORN	6	3	
		3		
11214	HAWTHORN		3	
11215	HAWTHORN	3	3	
11216	ASH	3	1	
11217	ASH	4	1	
11218	HAWTHORN	3	3	
11219	HAWTHORN	3	3	
11220	HAWTHORN	4	3	
11221	HAWTHORN	10	3	
11222	ELM	10	3	
11223	CHERRY	10	3	
11224	ASH	4	1	

11224

TREE NUMBER 11225	SPECIES HAWTHORN	DBH (IN.)	SHEET REFERENCE 3	
11226 11227	ELM CHERRY	3	3	
11227	ASH	3	3	
11230	HAWTHORN	4	3	
11231 11232	HAWTHORN CHERRY	12	3	
11232	ELM	12	3	
11234	ELM	8	3	
11237	ELM	4	4	
11238 11239	ASH ELM	6	4	
11240	ELM	12	4	
11242	DEAD	6	1	
11243 11244	ASH ELM	28	1	
11245	ELM	3	1	
11246	ELM	8	1	
11247 11248	CHERRY	8	1	
11248	ELM	6	1	
11250	ELM	6	1	
11251	ELM	6	1	
11252 11253	ELM ELM	6	1	
11254	ASH	8	1	
11255	ASH	6	1	
11256	ASH CHERRY	4	1	
11257 11258	CHERRY	4	1	
11259	CHERRY	4	1	
11260	ASH	3	1	
11261 11262	ASH ASH	12 14	1	
11265	APPLE	4	1	
11266	APPLE	6	1	
11267 11268	ASH ASH	6	1	
11269	ASH	3	1	
11270	ASH	4	1	
11271	ASH	3	1	
11272 11273	ASH ELM	10	1	
11274	ELM	8	1	
11275	ASH	3	1	
11276 11277	ASH ELM	3	1	
11278	ASH	3	1	
11279	ASH	3	1	
11280 11281	ASH ASH	6	1	
11283	ASH	3	1	
11284	ASH	4	1	
11285	ASH	3	1	
11286 11287	ASH ASH	5	1	
11288	ASH	4	1	
11289	ASH	5	1	
11290 11291	ASH ASH	3	1	
11292	ASH	4	1	
11293	ASH	3	1	
11294	ASH	3	1	
11295 11296	ASH ASH	5	1	
11297	ASH	10	1	
11298	ASH	3	1	
11299 11300	DEAD ASH	6	1	
11301	ASH	5	1	
11302	ASH	4	1	

					e Vange v
EVERGREEN PARK ESTATES	NO.	REVISIONS	BY D	NEW	dheled\2 — Cempany\4 — M
TREE SURVEY				S. WEST BERLIN 262) 40	arketing\4.01 Lagoe\4.0
TREE SPECIES LIST				N, WI 5	1101 Lynch & Assoc. I
CITY OF FRANKLIN, MILWAUKEE COUNTY, WISCONSIN				3151	.ogea\j.ynch&sssec_lo

| PRELIMINARY

INITIALS DATE DESIGNED - -DRAWN PSD 09/06/16 CHECKED DEM 09/06/16

0 30' SCALE PROJECT NO. 15-047

SHEET NO.

3

MAPLE

11075

TREE NUMBER	SPECIES	DBH (IN.)	SHEET REFERENCE
11303	ASH	4	1
11304	ASH	5	1
11305	ASH	3	1
11306	ASH	6	1
11307	ASH	5	1
11308	ASH	5	1
11309	ASH	10 TRIPLE	1
11310	ASH	3	1
11311	ASH	10	1
11312	ASH	4	1
11313	ASH	3	1
11314	ASH	6	1
11315	ASH	4	1
11316	ASH	5	1
11317	ASH	3	1
11318	ASH	4	1
11319	ELM	3	1
11320	ELM	4	1
11321	ASH	4	1
11322	ELM	5	1
11323	ASH	3	1
11324	ASH	6	1
11325	ASH	5	1
11326	APPLE	14	1
11327	ASH	5	1
11328	ELM	10	1
11329	ELM	10	1
11331	ELM	6	1
11332	ELM	5	1
11333	APPLE	10	1
11334	ASH	7	1
11335	ASH	4	1
11336	ASH	8	1
11337	ASH	3	1
11338	ASH	3	1
11339	ELM	6	1
11340	APPLE	3	1
11341	ELM	3	1
11342	ASH	4	1
11343	ELM	4	1
11344	ASH	4	1
11345	ASH	4	1
11346	ELM	6	1
11348	ASH	8	1
11349	ASH	4	1
11350	ASH	3	1
11354	ASH	12	1
11355	ASH	5	1
11356	ASH	4	1
11357	ASH	10	1
11358	ASH	6	1
11359	ASH	8	1
11360	ELM	4	1
11361	ELM & ASH	8 & 6	1
11365	ELM	8	1
11366	ASH	4	1
11367	ASH	14 TWIN	1
11368	ASH	6	1
11369	HAWTHORN	8	1
11370	ASH	3	1
11371	ELM	8	1
11372	ASH	4	1
11373	ELM	8	1
11374	ELM	6	1
	ELM	8	1
11375			
11376	ELM	8	1
11377	ELM	4	1
11378	ELM	6	1
11379	ASH	6	1
	4011	3	1
11380	ASH	3	I

TREE NUMBER	SPECIES	DBH (IN.)	SHEET REFERENCE
11382	ASH	5	1
11383	ASH	6	1
11384	ASH	4	1
11385	ASH	3	1
11386	ASH	5	1
11387	ASH	3	 1
11388	ASH	5	 1
11389	ASH	8	1
11390	ASH	6	1
11391	ASH	5	1
11392	ASH	8	1
11393	ASH	3	1
11394	ASH	4	1
11395	ASH	4	1
11396	ASH	3	1
11397	ASH	5	1
11398	ASH	4	1
11399	ASH	6	1
11400	ASH	3	1
11401	ASH	6	1
11402	ASH	10	1
11403	ASH	8	1
11404	APPLE	12	1
11405	APPLE	4	1
11407	APPLE	8	1
11408	ASH	4	1
11409	ASH	5	1
11410	ELM	6	1
11411	ASH	3	1
11412	ASH	3	1
11413	ASH	4	 1
11414	ASH	5	1
		5	1 1
11415	ASH		
11416	ASH	5	1
11417	ASH	4	1
11418	ASH	4	1
11419	ASH	3	1
11420	ASH	3	1
11421	ASH	3	1
11422	ASH	3	1
11423	ASH	3	1
11424	ASH	4	1
11425	ELM	8	1
11426	APPLE	10	1
11427	ASH	4	1
11428	APPLE	8	1
11429	ASH	10	1
11430	ELM	6	1
11431	ELM	8	1
11432	ASH	6	1
11433	APPLE	4	1
11434	APPLE	12	1
11435	ELM	14	1
11436	ELM	10	1
11438	ELM	12	1
11439	APPLE	10	1
11440	LINDEN	6-8 MULTI	1
11441	ELM	8	 1
11442	ELM	12	 1
11443	ELM	6	1
11444	APPLE	12	1 1
11445	ELM	6	1
11446	ELM	8	1
11447	ELM	3	1
11448	ASH	3	1
11449	ELM	4	1
11450	ELM	6	1
11451	APPLE	3	1
11452	ELM	4	1
11453	APPLE	3	1
11454	FIM	3	1

3

11454

REE NUMBER	SPECIES	DBH (IN.)	SHEET REFERENCE
11455	APPLE	6	1
11456	APPLE	6	1
11457	ASH	4	1
11458	ELM	6	1
11459	ELM	8	1
11460	ASH	4	1
11461	APPLE	16	1
11462	HICKORY	18	1
11463	ASH	3	1
11464	ELM	4	1
11465	WILLOW	55 E SIDE	1
11466	ELM	4	1
11467	WILLOW	4	1
11468	WILLOW	5	1
11469	WILLOW	4	1
11470	ELM	10	1
11471	APPLE	10	1
11472	APPLE	12	1
11473	ASH	4	1
11474	ASH	3	1
11475	APPLE	12	1
11476	ASH	4	1
11477	ASH	12	1
11478	ASH	4	1
11479	ASH	5	1
11481	HICKORY	36 E SIDE	1
11482	SPRUCE	14	1
11483	CEDAR	12	1
11484	MAPLE	34	1
11485	CEDAR	8	1
11486	CEDAR	10	1

TREE SURVEY TREE SPECIES LIST

INITIALS DATE

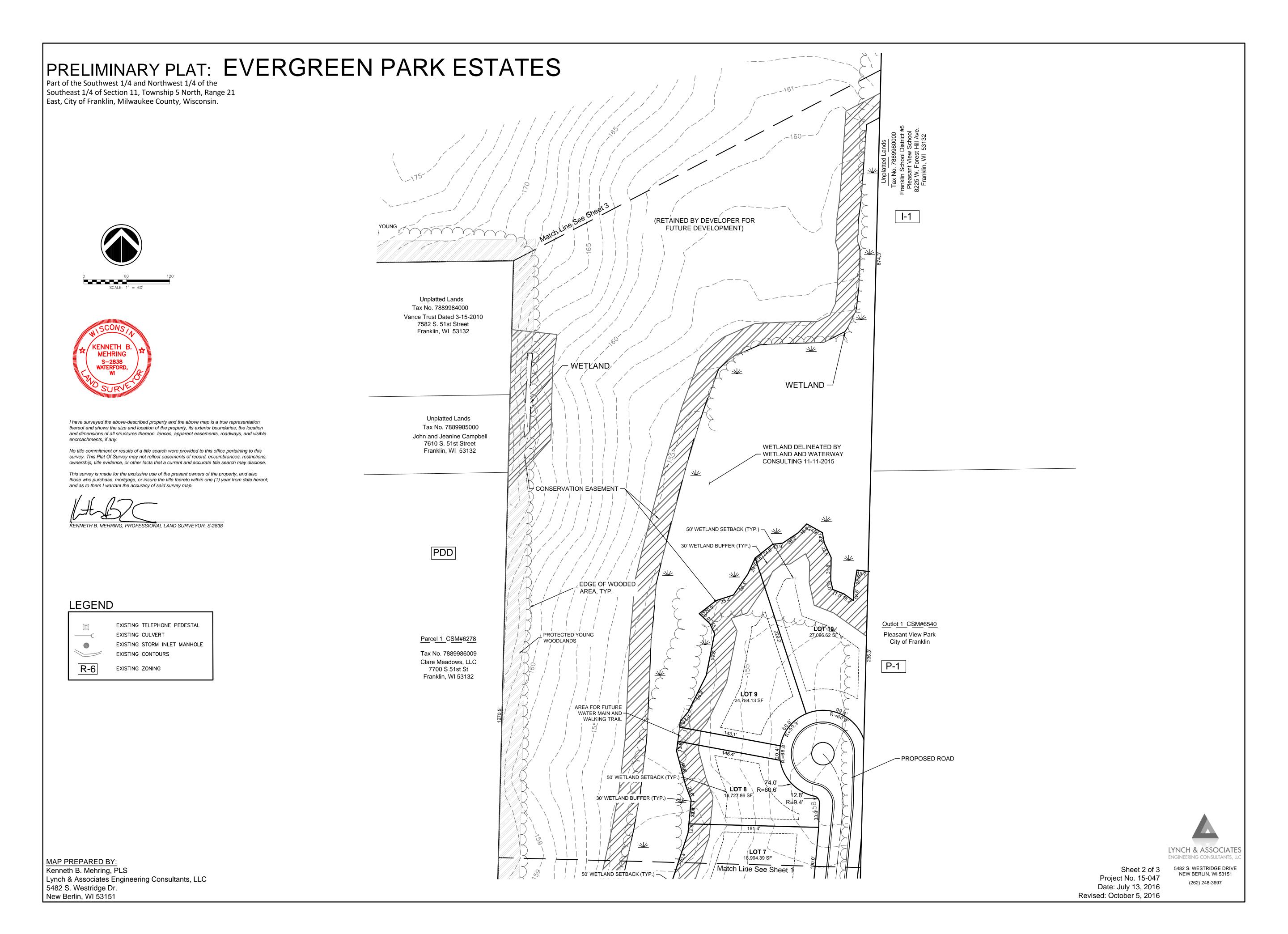
0 30' SCALE

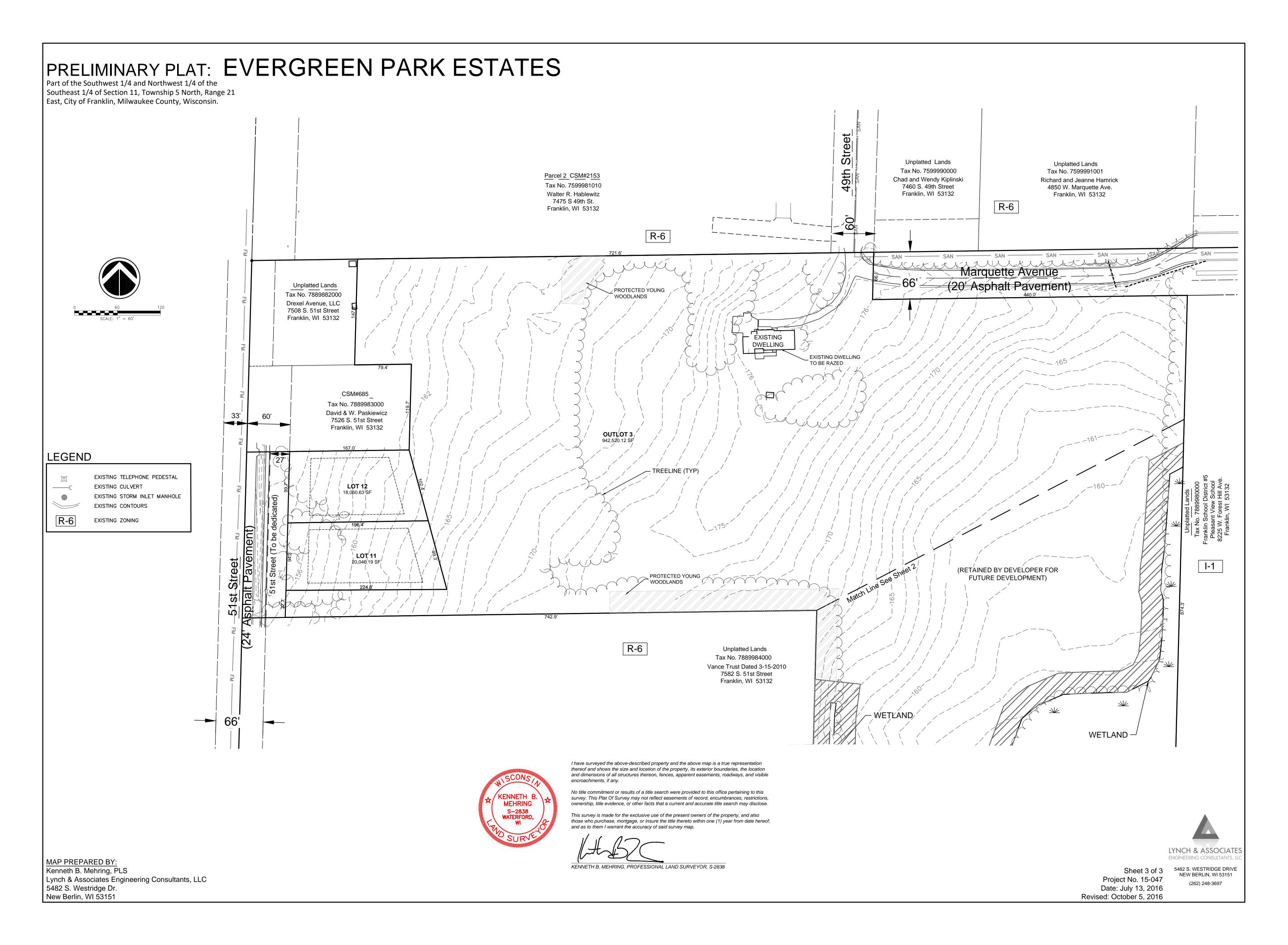
PROJECT NO. 15-047

SHEET NO.

DESIGNED - DRAWN PSD 09/06/16
CHECKED DEM 09/06/16

#### PRELIMINARY PLAT: EVERGREEN PARK ESTATES Part of the Southwest 1/4 and Northwest 1/4 of the Southeast 1/4 of Section 11, Township 5 North, Range 21 East, City of Franklin, Milwaukee County, Wisconsin. 30' WETLAND BUFFER (TYP.) **SE** ½ **SECTION 11, T5N, R21E** OWNER/DEVELOPER/MAP PREPARED FOR: Creative Homes, Inc. Mr. Rick Przybyla 9244 W. Grandview Ct. Franklin, WI 53132 (414) 529-0958 Match Line See Sheet 2 **TYPE OF PLAT:** 50' WETLAND SETBACK (TYP. Single Family Residential 1 1/ 1/1 30' WETLAND BUFFER (TYP.) **SITE DATA:** Proposed Number of Lots = Twelve (12) One Dwelling Unit per Lot WETLAND DELINEATED BY Gross Site Area = 1,423,215 Square Feet (32.67 acres) EDGE OF WOODED WETLAND AND WATERWAY AREA, TYP. CONSULTING 11-11-2015 LOT 6 COURT **ZONING DATA:** 19,907.59 SF **LOCATION DRAWING** Existing Zoning: R-6, FW Proposed Zoning: R-6, Suburban Single-Family Residential, FW CONSERVATION EASEMENT 🚽 Minimum Lot Area=11,000 Sq. Ft. 185.6' PARK Minimum Lot Width at Setback Line = 90 Feet Minimum Lot Width at Setback Line (Corner Lot) = 100 Feet Minimum Front Yard Setback = 30 Feet LOT 5 Z E 18,395.11 SF Minimum Side Yard Setback = 10 Feet/ 19 Feet Corner Minimum Rear Yard Setback = 30 Feet Minimum Wetland Buffer = 30 Feet Minimum Wetland Setback = 50 Feet Minimum Shore Setback = 75 Feet PROTECTED YOUNG WOODLANDS Bearings refer to Grid North of the Wisconsin State Plane Coordinate **OUTLOT 4** System Grid, South Zone per N.A.D. 27. 5,878.64 SF OSED **BASEMENT RESTRICTION** LOT 4 The West line of the Southeast 1/4 of Section 11, Township 5 North, TO BE DEDICATED TO 21,279.38 SF Although all lots in the Subdivision have been reviewed and Range 21 East has a reference bearing of N 01°31'24" W. CITY OF FRANKLIN approved for development with single-family residential use in Elevations based on North American Vertical Datum of 1988 (NAVD-88) PDD accordance with Section 236 Wisconsin Statutes, some lots may PROP( contain soil conditions which, due to the possible presence of - 30' WETLAND BUFFER (TYP.) groundwater near the surface, may require soil engineering and foundation design with regard to basement construction. It is recommended that either a licensed professional engineer or other \_ LOT 3 soils expert design a basement and foundation which will be Parcel 2 CSM#6275 16,724.24 SF suitable to withstand the various problems associated with Tax No. 7889986012 50' WETLAND SETBACK (TYP.) saturated soil conditions on basement walls or floors or that Outlot 2 CSM#6540 Clare Meadows of Franklin special measures be taken. Soil conditions should be subject to 7760 S 51st St Pleasant View Park each owners special investigation prior to construction and no Franklin, WI 53132 City of Franklin specific representation is made herein. P-1 I have surveyed the above-described property and the above map is a true representation **CONSERVATION EASEMENT RESTRICTIONS** thereof and shows the size and location of the property, its exterior boundaries, the location Those areas of land which are identified as Conservation and dimensions of all structures thereon, fences, apparent easements, roadways, and visible Easements of this subdivision plat shall be subject to the following restrictions: No title commitment or results of a title search were provided to this office pertaining to this survey. This Plat Of Survey may not reflect easements of record, encumbrances, restrictions, 1. Grading and filling shall be prohibited. ownership, title evidence, or other facts that a current and accurate title search may disclose. R-6 2. The removal of topsoil or other earthen materials shall be ∼OUTLOT 2 LOT 2 This survey is made for the exclusive use of the present owners of the property, and also 63,231.93 SF 32,349.21 SF those who purchase, mortgage, or insure the title thereto within one (1) year from date hereof; 3. The removal or destruction of any vegetative cover. i.e., (RETAINED BY DEVELOPER FOR and as to them I warrant the accuracy of said survey map. trees, shrubs, grasses, etc., shall be prohibited with the STORMWATER MAINTENANCE) Winterhaven Subdivision exception of the removal of dead, diseased or dying vegetation at the discretion of landowner, or silvicultural thinning upon the Lot 6 Lot 7 Lot 8 DEVELOPER WILLING TO 500-YR FLOOD PLAIN approval of a naturalist and the approval of the City of Franklin. WORK WITH OWNER OF NO BASE FLOOD ELEVATIONS DETERMINED KENNETH B. MEHRING, PROFESSIONAL LAND SURVEYOR. S-2838 EXISTING LOT 8 TO MAINTAIN 4. Grazing by domesticated animals, i.e., horses, cows, etc., PER FEMA MAP #55079C0163E shall be prohibited. EFFECTIVE SEPTEMBER 26, 2008 5. The introduction of plant material not indigenous to the N 90° 00' 00" E<sub>A</sub> 805.92' existing environment of the natural area shall be prohibited. 6. Ponds may be permitted subject to the approval of the municipality in which they are located and, if applicable, the 60' W. Evergreen Steet Wisconsin Department of Natural Resources and the Army (24' Asphalt Pavement) -143-Corps of Engineers. 30' setback (typ.) **LEGEND** 100-YR FLOOD PLAIN BASE FLOOD ELEVEVATION R-6 EXISTING TELEPHONE PEDESTAL = 718.00 PER NAVD 88 Outlot 1 EXISTING CULVERT = 137.46 PER LOCAL DATUM PER FEMA MAP #55079C0163E LOT 1 EXISTING STORM INLET MANHOLE Winterhaven Subdivision EFFECTIVE SEPTEMBER 26, 2008 19,955.92 SF EXISTING CONTOURS OUTLOT 1 85,277.51 SF R-6 FW EXISTING ZONING (DEEDED TO THE HOMEOWNER ASSOCIATION AND OWNED BY FRACTIONAL OWNERSHIP BY OWNERS OF LOTS 1-10. 30' rear offset (typ.) The Southwest Corner of the Southeast 1/4 of Section 11, Township 5 North, Range 21 East, -City of Franklin, Milwaukee County, Wisconsin Unplatted Lands Unplatted Lands **Unplatted Lands** R-6 \_Lot 6\_ Stonebrook Tax No. 7889996000 FW Tax No. 7889995000 Tax No. 7889997000 \_Lot <u>5</u> Cheryl Utphall Fauzie Qureshi and Henry O. Reyes 4714 W. Drexel Ave. 4720 W. Drexel Ave. Khurram Mytaba LYNCH & ASSOCIATES Franklin, WI 53132 Franklin, WI 53132 4628 W. Drexel Ave. ENGINEERING CONSULTANTS, I Franklin, WI 53132 MAP PREPARED BY: Sheet 1 of 3 5482 S. WESTRIDGE DRIVE Kenneth B. Mehring, PLS Project No. 15-047 NEW BERLIN, WI 53151 Lynch & Associates Engineering Consultants, LLC Date: July 13, 2016 (262) 248-3697 5482 S. Westridge Dr. Revised: October 5, 2016 New Berlin, WI 53151







### REPORT TO THE PLAN COMMISSION

#### Meeting of November 3, 2016

#### **Miscellaneous Application**

**RECOMMENDATION:** Department of City Development staff recommends approval of the proposed monument sign for PDD No. 30, subject to the conditions of approval in the attached draft resolution.

**Project Name:** Elizabeth Residence monument sign

**Project Address:** 9329-9355 S. 48<sup>th</sup> Street

**Property Owner:** GJJR LLC

**Applicant:** Robert Hacker, Bauer Sign & Lighting Co.

**Current Zoning:** Planned Development District No. 30

**2025 Comprehensive Master Plan:** Residential

**Use of Surrounding Properties:** Single-family residential to the north, east and west

and vacant commercial property to the south

**Applicant's Action Requested:** Approval of the proposed monument sign for the

Elizabeth Residence development

#### **INTRODUCTION**

Please note:

• Staff recommendations are <u>underlined</u>, in <u>italics</u> and are included in the draft ordinance.

On September 27, 2016, the applicant submitted a Miscellaneous Application requesting approval of a monument sign for the Elizabeth Residence located at 9329-9355 South 48<sup>th</sup> Street. The Elizabeth Residence is a Community Based Residential Facility (CBRF) and Residential Care Apartment Complex (RCAC), approved in 1999 via Ordinance 1999-1578.

Ordinance No. 1999-1578 states, "The erection, construction, alteration, and location of signs, other advertising structures, marquees and awnings shall be in compliance with Chapter 210 of the City of Franklin Code and all other applicable laws and Ordinances, as amended from time to time. All identification signage, however, shall consist of monumental-type design, not exceeding seven (7) feet in vertical height from grade elevation. All identification signs shall receive Plan Commission approval prior to Building Permit issuance."

#### PROJECT DESCRIPTION

The subject property currently contains two CBRF buildings. The remainder of the site is vacant other than the entry drive and the storm water pond to the south of the entry drive, adjacent to S. 51<sup>st</sup> Street. The proposed sign location is north of the storm water pond (and associated Detention Easement), south of the entry drive and abutting S. 51<sup>st</sup> Street.

The monument sign includes a brick base, containing the address and a 42.5 square foot sign. The overall height of the sign is 7-feet. The text of the sign will be illuminated.

#### **STAFF RECOMMENDATIONS:**

Department of City Development staff recommends approval of the proposed monument sign for PDD No. 30, subject to the following conditions:

- 1. The sign shall be setback a minimum of three feet from all property lines.
- 2. <u>A Landscape Plan shall be submitted for review and approval by Department of City Development staff.</u>
- 3. The sign shall be located outside of the Detention Easement as illustrated on Certified Survey Map No. 6872.
- 4. The applicant shall obtain a Sign Permit through the City of Franklin Inspection Department, prior to installation of the sign.

## CITY OF FRANKLIN PLAN COMMISSION

MILWAUKEE COUNTY [Draft 10-27-16]

RESOLUTION NO. 2016-\_\_\_\_

A RESOLUTION APPROVING A MONUMENT SIGN FOR ELIZABETH RESIDENCE ASSISTED LIVING COMMUNITY (AT 9329-9355 SOUTH 48TH STREET) (JOHN COURY, ELIZABETH RESIDENCE, INC., APPLICANT)

WHEREAS, John Coury, Elizabeth Residence, Inc. having applied for approval of a monument sign adjacent to South 51st Street, for Elizabeth Residence Assisted Living Community, located at 9329-9355 South 48th Street; and

WHEREAS, the Plan Commission having reviewed the proposed monument sign plan and having found same to be in compliance with and in furtherance of the standards of Planned Development District No. 30 (Richard F. Coury).

NOW, THEREFORE, BE IT RESOLVED, by the Plan Commission of the City of Franklin, Wisconsin, that the monument sign plan City file-stamped October 24, 2016, attached hereto and incorporated herein, be and the same is hereby approved, subject to the following conditions:

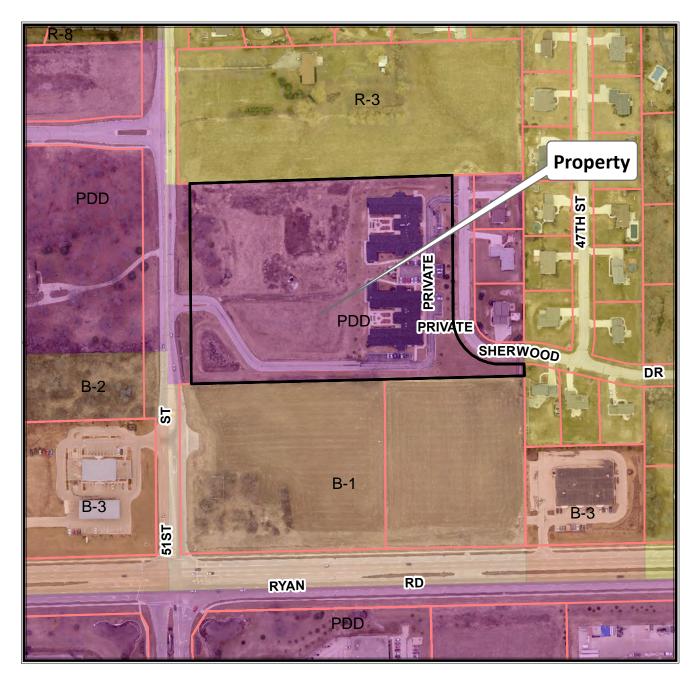
- 1. That the signage shall be constructed and installed pursuant to such signage plan within one year from the date of adoption of this Resolution, or this Resolution and all rights and approvals granted hereunder shall be null and void, without any further action by the Plan Commission.
- 2. The sign shall be set back a minimum of three feet from all property lines.
- 3. A Landscape plan shall be submitted for review and approval by Department of City Development staff.
- 4. The sign shall be located outside of the Detention Easement as illustrated on Certified Survey Map No. 6872.
- 5. The applicant shall obtain a Sign Permit through the City of Franklin Inspection Department, prior to the installation of the sign.

Introdu	ced at a regula	r meeting o	f the Plan	Commission	n of the City	of Frankl	in this
day o	of		, 2016.				
Passed	and adopted a	ıt a regular	meeting	of the Plan	Commission	of the C	ity of
Franklin this	day of	_		, 2016.			-

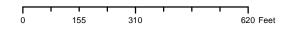
MONUME	<i>'</i>	,	INC. – ELIZABETH RESIDENCE
			APPROVED:
ATTEST:			Stephen R. Olson, Chairman
Sandra L. V	Wesolowski, C	ity Clerk	
AYES	NOES	ABSENT	



# 9329 - 9355 S. 48th Street TKN: 881 9997 006



Planning Department (414) 425-4024

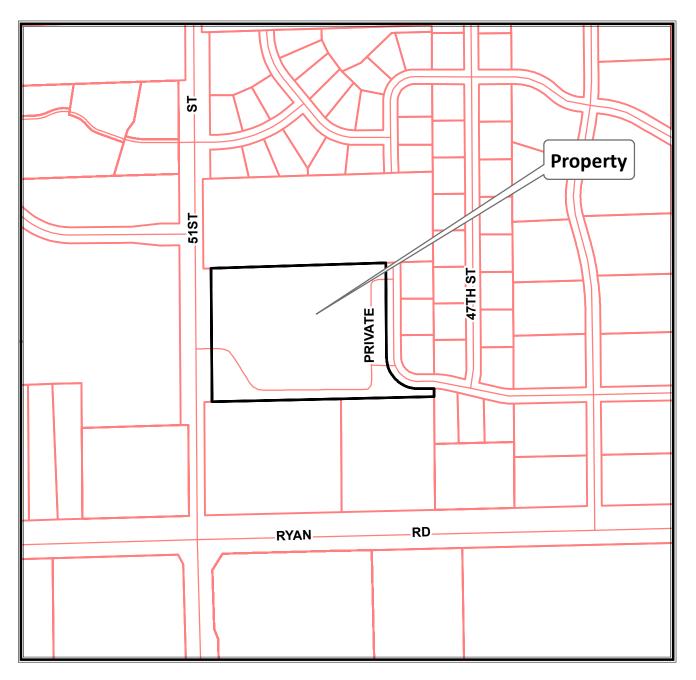


NORTH 2016 Aerial Photo

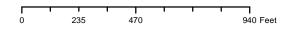
This map shows the approximate relative location of property boundaries but was not prepared by a professional land surveyor. This map is provided for informational purposes only and may not be sufficient or appropriate for legal, engineering, or surveying purposes.



9329 - 9355 S. 48th Street TKN: 881 9997 006



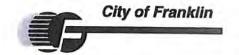
Planning Department (414) 425-4024



NORTH 2016 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.

**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

Date of Application:

#### MISCELLANEOUS APPLICATION

Complete, accurate and specific information must be entered. Please Print.

Applicant Name: JOHN COUTY  (Full Legal Name[s]):	Applicant is Represented by (contact person) (Full Legal Name[s]):		
	Name:		
Company: EUZHRETH RESIDENCE	Company: BAUETZ SIAN ! LIAHTING CO.		
Mailing Address: 9329 S. 484 ST.	Mailing Address: 2500 S. 170 ST.		
City/State: PRANKLIN, W) Zip: 53(32	City/State: NEW ISERCIN, W) Zip: 53151		
Phone: 414-681-0558	Phone: 262-784-0500 X-2801		
Email Address: 1418 coyote @ gmail. com	Email Address: bhacker & bauersignusa.com		
Project Property Information:			
Property Address: 9329 - 9365 5- 48 5T.	Q. (a. 1)		
Property Owner(s): ELIZABETH RESIDENCE	Tax Key Nos:		
report officials.			
Mailing Address: 9329 S. 48th ST.	Existing Zoning:		
OD :	Existing Use: ASS/STES CIVING		
	Proposed Use:SMMS_		
Email Address: 7478 coyote@gmail.com	Future Land Use Identification:		
*The 2025 Comprehensive Master Plan Future Land Use Map is availab	ole at: http://www.franklinwi.gov/Home/ResourcesDocuments/Maps.htm		
Miscellaneous Application submittals for review must include and be accom	panied by the following:		
This Application form accurately completed with original signature(s). Fac			
	csimiles and copies will not be accepted.		
Application Filing Fee, payable to City of Franklin: \$125			
Legal Description for the subject property (WORD.doc or compatible form	nat). Or PUL E		
(1) original and six (6) copies of a written Project Narrative, including detail	iled description of the project		
Other information as may be deemed appropriate for the request.	the state project.		
Concernmonnation as may be decined appropriate for the request.			
<ul> <li>Upon receipt of a complete submittal, staff review will be conducted as a submittal of Application for review is not a guarantee of approvation of the submittal of Application for review is not a guarantee of approvation of the submittal of the submittal of Application for the submittal of the subm</li></ul>	Carried the second of the seco		
	ner information submitted as part of this application are true and correct to the best		
of applicant's and property owner(s)' knowledge; (2) the applicant and property the applicant and property owner(s) agree that any approvals based on represent issued building permits or other type of permits, may be revoked without notice execution of this application, the property owner(s) authorize the City of Franklin a.m. and 7:00 p.m. daily for the purpose of inspection while the application is unclosed against trespassing pursuant to Wis Stat. §943.13.	owner(s) has/have read and understand all information in this application; and (3) tations made by them in this Application and its submittal, and any subsequently e if there is a breach of such representation(s) or any condition(s) of approval. By and/or its agents to enter upon the subject property(ies) between the hours of 7:00 der review. The property owner(s) grant this authorization even if the property has		
(The applicant's signature must be from a/Managing Member if the business is signed applicant's authorization letter may be provided in lieu of the applicant provided in lieu of the property owner's signature[s] below. If more than one, all	an LLC, or from the President or Vice President if the business is a corporation. A t's signature below, and a signed property owner's authorization letter may be of the owners of the property must sign this Application).		
	12110/a		
	fres Hells/agent		
Signature - Property Owner COUR	Signature-Applicant 4. HACKEST - GED. MGTZ.		
Name & Title((PRINT)	News 0 Tisk (ppist)		
Cate!	Name & ITTE (PRINT)  Date: 8-2-16		
Signature - Property Owner	forts./dods		
	Signature - Applicant's Representative - 650. MAR.		
Name & Title (PRINT) Date:	Name & Title (PRINT)  Date: 9-2-16		
	Date		

Franklin

OCT 24 2016



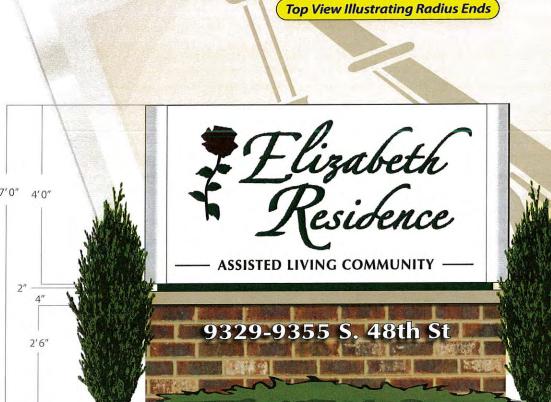
2500 South 170th Street New Berlin, Wisconsin 53151 Proudly Made In the USA!

wire bauersignusa.com voice 262.784.0500 fax 262.784.6675

**Award Winning** Graphic Design







Elizabeth Residence monument signage

#### **SPECIFICATIONS**

FABRICATE AND INSTALL TWO SIDED INTERNALLY ILLUMINATED ROUTED FACE MONUMENT

- CABINET TO BE EXTRUDED ALUMINUM, WITH RADIUS ENDS PAINTED WHITE
- FACES TO BE .125 ROUTED ALUMINUM, PAINTED WHITE
- FACES BACKED WITH 3/16" WHITE PLEXIGLASS SHEETED WITH TRANSLUCENT 3630-76 HOLLY GREEN VINYL OVERLAYS

- ILLUMINATED WITH WHITE LEDs
- POWERED WITH 120 VOLT ADVANCE POWER SUPPLIES
- REVEAL TO BE 3" ALUMINUM TUBING PAINTED TO MATCH HOLLY GREEN

FINAL ELECTRICAL

RESPONSIBILITY

- LANDSCAPING BY OTHERS

16	INAGE WITH	1 MASONRY BASE	
	CADIMET	TO DE EVENUEDO	ALLIAMIALL

ROSE GRAPHIC TO BE 3630-133 RASPBERRY & 3630-49 BURGUNDY VINYL OVERLAYS

- BASE TO BE MASONRY TO MATCH BUILDING
- ADDRESS NUMERALS TO BE .125 ROUTED ALUMINUM STUD MOUNTED TO BASE

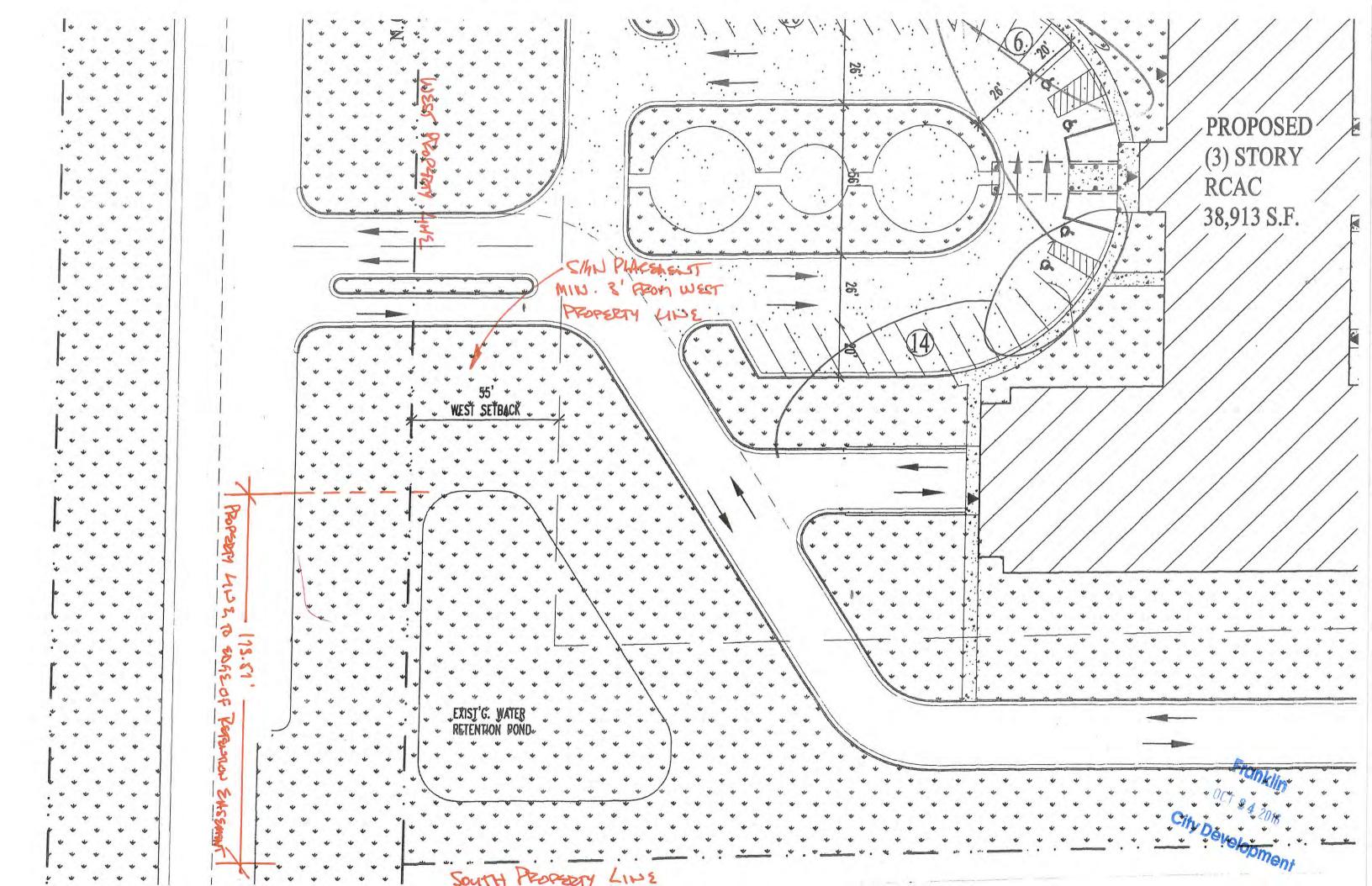
ONNECTION IS CLIENT

SAVED AS Elizabeth Residence **LOCATION** Franklin Wi CLIENT SALES REP Bob Hacker 17 May 13 REVISION 23 May 16 21 July 16 5 Oct 16 24 Oct 16 **DESIGNER** Ryan Becht **FABRICATION** CHANNEL LETTERS OPEN CHANNEL LETTERS REVERSE CHANNEL LETTERS NEON ACCENTS CABINET SIGN MONUMENT SIGN PYLON SIGN PYLON PANEL (S) ONLY PLATE LETTERS SINGLE SIDED DOUBLE SIDED RACEWAY MOUNT ☐ FLUSH MOUNT INTERNALLY ILLUMINATED NON ILLUMINATED ☐ NEON ☐ LED ☐ LAMPS 120 V TRANSFORMERS ☐ 30 M.A. ☐ 60 M.A. 120 V ADVANCE BALLASTS COMPUTER CUT GRAPHICS DIGITALLY PRINTED GRAPHICS .125 ALUMINUM ROUTED FACE PLEX FACE T FLEX FACE LEXAN FAC MESSAGE CENTER POLE COVER ADDRESS NUMBERS SPECIAL INFORMATION

Printed artwork colors are not always representative of final product colors. Please refer to specifications for call out or salesman for samples

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## CERTIFIED SURVEY MAP No. 6872

PART OF THE NORTHWEST 1/4 AND SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 23, TOWN 5 NORTH, RANGE 21 EAST, CITY OF FRANKLIN, MILWAUKEE COUNTY, WISCONSIN

