WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: Applicant:	L3 En								Date: County:	09/24/14 Marshall	
Investigators		T/BEH		Subregion (MLRA or LRR): MLRA 56						State:	MN
Soil Unit:	I24A			NWI Classification:							
Landform: Slope (%):	Rise 3 - 7%	atitude: 48.20		Longitude:		192	Datum:			u-155n45w34-g1	
,		tions on the site ty						☑ Yes	□ No	Section:	
Are Vegetati		, or Hydrology				Ī	e normal circun			Township:	
Are Vegetati		, or Hydrology	naturally pro	blematic?			Ves	□ No		Range:	Dir:
	OF FINDINGS									NLa	
	Vegetation Pres drology Present?		<u>No</u> No		-				Is Present?	TNO t Within A W	/etland? No
Remarks:				med sovbea	an field with	no vea	etation growing				os of creeping wild rye.
							9.0	,			
HYDROLOG	iΥ										
Wetland Hy	drology Indica	tors (Check all th	at apply; Mi	nimum of or	ne primary	or two se	econdary requi	red):			
Primary		or.		_	B11 - Salt (Orust			Secondary:	B6 - Surface \$	
	 A1 - Surface Water A2 - High Water Table 				B13 - Aqua						Vegetated Concave Surface
	A3 - Saturation				C1 - Hydrog	gen Sulfid	le Odor			B10 - Drainag	e Patterns
	B1 - Water Marks B2 - Sediment De				C2 - Dry Se C3 - Oxidiz		iter Table spheres on Living	Roots (not till	le 🗆	C3 - Oxidized C8 - Crayfish	Rhizospheres on Living Roots (tilled)
	B3 - Drift Deposit	•			C4 - Prese					•	n Visible on Aerial Imagery
	B4 - Algal Mat or B5 - Iron Deposits				C7 - Thin M		ace			D2 - Geomorp D5 - FAC-Neu	
		s isible on Aerial Imag	ery		Other (Expl	iain)					aved Hummocks (LRR F)
	B9 - Water-Staine	•									
Field Observe											
Field Observ	ter Present? Yes		Dopth		(in)						
Water Table			Depth: Depth:		_ (in.) (in.)			Wetland H	lydrology F	Present?	Ν
Saturation P			Depth:		(in.)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
		am gauge, monitor	ing weil, aei	iai photos, pi	revious insp	ections),	if available:				
Remarks:	•	am gauge, monitor	-		revious insp	ections),	if available:				
Remarks:	•		-		revious insp	ections),	if available:				
Remarks: SOILS	No wetland hyd	drology indicators	are present	t.				dicators)			
Remarks: SOILS Profile Descri	No wetland hyd		are present	nent the ind	icator or co	onfirm th	e absence of ir				
Remarks: SOILS Profile Descri	No wetland hyd	to the depth need	are present	nent the ind	icator or co	onfirm the	e absence of ir ore Lining, M=Matr				
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland hyd	to the depth need n, RM=Reduced Matrix Matrix	are present	nent the ind	icator or co Grains; Locat	onfirm th tion: PL=P Mottle	e absence of in ore Lining, M=Matr es	ix)	Tautura		Domorko
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No wetland hyd	to the depth need n, RM=Reduced Matrix Matrix blor (Moist)	are present ded to docur x, CS=Covered %	nent the ind	icator or co	onfirm the	e absence of ir ore Lining, M=Matr		Texture		Remarks
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-11	No wetland hyd iption (Describe intration, D=Depletion Co Hue_10YR Hue_10YR	to the depth need n, RM=Reduced Matrix Matrix blor (Moist)	are present ded to docur x, CS=Covered %	nent the ind	icator or co Grains; Locat	onfirm th tion: PL=P Mottle	e absence of in ore Lining, M=Matr es	ix)	Texture CL FSL LFS		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8	No wetland hyd iption (Describe intration, D=Depletion Co Hue_10YR	to the depth need n, RM=Reduced Matrix Matrix blor (Moist) 2/1 3/2	are present	nent the ind	icator or co Grains; Locat	onfirm th tion: PL=P Mottle	e absence of in ore Lining, M=Matr es	ix)	CL FSL		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-11 11-14	No wetland hyd iption (Describe intration, D=Depletion Co Hue_10YR Hue_10YR Hue_2.5YR	to the depth need n, RM=Reduced Matrix Matrix blor (Moist) 2/1 3/2 5/6	are present ded to docur x, CS=Covered % 100 100 100	nent the ind	icator or co Grains; Locat	onfirm th tion: PL=P Mottle	e absence of in ore Lining, M=Matr es	ix)	CL FSL LFS		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-11 11-14 14-18	No wetland hyd iption (Describe intration, D=Depletion Co Hue_10YR Hue_10YR Hue_2.5YR Hue_10YR	to the depth need n, RM=Reduced Matrix Matrix blor (Moist) 2/1 3/2 5/6 7/2	are present	nent the ind //Coated Sand Color (icator or co Grains; Locat (Moist)	onfirm the tion: PL=P Mottle	e absence of ir ore Lining, M=Matr es Type	ix)	CL FSL LFS		Remarks
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-11 11-14 14-18	No wetland hyd iption (Describe intration, D=Depletion Co Hue_10YR Hue_10YR Hue_2.5YR Hue_10YR	to the depth need n, RM=Reduced Matrix Matrix blor (Moist) 2/1 3/2 5/6 7/2 dicators (chec	are present	nent the ind //Coated Sand Color (icator or co Grains; Locat (Moist) (Moist) not present Redox	onfirm the tion: PL=P Mottle	e absence of ir ore Lining, M=Matr es Type	ix)	CL FSL LFS CL <u>Indicators f</u> A9 - 1 cm M	uck (LRR I, J)	ic Soils ¹
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-155n45w34-g1
-					
VEGETATIO	N (Species identified in all uppercase a	re non-native	species.)		
Tree Stratum	(Plot size: 30 ft. radius)				
	<u>Species Name</u>	<u>% Cover</u>	Dominant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC:0(A)
3.					
4.					Total Number of Dominant Species Across All Strata: 1 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					$OBL spp. \qquad 0 \qquad x \ 1 = 0$
	 Total Cover =	- 0			FACW spp. 0 $x^2 = 0$
					$FAC spp. \qquad 0 \qquad x 3 = \qquad 0$
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				OBL spp. 0 x 1 = 0 FACW spp. 0 x 2 = 0 FAC spp. 0 x 3 = 0 FACU spp. 5 x 4 = 20
1.					UPL spp. 50 X 5 = 250
2.					-250
3.					Total 55 (Δ) 270 (P)
4.	_]				Total <u>55</u> (A) <u>270</u> (B)
					Dravelance Index D/A 4000
5.					Prevalence Index = B/A = <u>4.909</u>
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					Dominance Test is > 50%
	Total Cover =	0			Prevalence Index is $\leq 3.0 *$
					Morphological Adaptations (Explain) *
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Glycine max	50	Y	NI	
2.	Elymus repens	5	Ν	FACU	* Indicators of hydric soil and wetland hydrology must be
3.					present, unless disturbed or problematic.
4.					Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
12.					
					4
14.					Woody Vines - All woody vines, regardless of height.
15.	T / 10				WOODY VILLES - All WOODY VILLES, TEGRICIESS OF HEIGHT.
	Total Cover =	55			
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? N
5.					
4.					
	Total Cover =	- 0			
Remarks:	The vegetation throughout the upland consi	sts of plante	ed soybea	ns.	
Additional	Domarke.				
Additional F					