WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	,								Date:	09/27/14	
Applicant:	•			Subregion (MLRA or LRR):						County:	Pennington
Investigators:					Subregio	•	•			State:	MN
Soil Unit:	I62A			_	aal Daliaf		Classification	·		Camanda Dainte	w 154p44w29 g4
Landform: Slope (%):	Depression 0 - 2%		itude: 48.12		cal Relief:	-96.3152	26645	Datum:		Sample Point:	w-154n44w28-g1
		onditions on the site type						✓ Vatum.	□ No	Section:	
Are Vegetation	·			disturbed?	ai: (II 110, ex		normal circun			1	
Are Vegetation			aturally prol			AIG	riormai circuii ✓ Yes	□ No	esent:	Township: Range:	Dir:
SUMMARY O			aturally proi	olemane:			E 163	= 110		Range.	DII.
Hydrophytic \			Yes					Hydric Soi	ls Present?	Yes	
Wetland Hyd	•		Yes		_					t Within A W	etland? Yes
Remarks:				ween a pave	ed state hi	ghway and	d a smooth br				, and forbs occupy the wetland.
rtomanto.	Wotmodde	W located in a roadole	io aitori bot	woon a pave	orato m	grivay and		omo mora. 7	triix or gra	occo, ccagoo,	, and forbe decapy the wettand.
HYDROLOGY	Y										
		!1(OLII-II-II-I	(l N.A'			1	1	1)			
		icators (Check all tha	it apply; Mir	nimum of on	e primary	or two sec	condary requi	red):	Cocondon		
<u>Primary:</u> □	A1 - Surface	Mater		П	B11 - Salt	Cruet			Secondary:	B6 - Surface S	oil Cracks
	A2 - High Wa				B13 - Aqua						Vegetated Concave Surface
	A3 - Saturation			_	•	gen Sulfide	Odor			B10 - Drainage	
	B1 - Water M					eason Wate					Rhizospheres on Living Roots (tilled)
	B2 - Sedimer	•					heres on Living	Roots (not till	• 🗆	C8 - Crayfish E	
	B3 - Drift Dep B4 - Algal Ma					ence of Redu Muck Surfac			□ ☑	D2 - Geomorp	n Visible on Aerial Imagery
	B5 - Iron Dep				Other (Exp		· C		☑	D5 - FAC-Neut	
		on Visible on Aerial Image	ry	_	- (- / L						aved Hummocks (LRR F)
	B9 - Water-S	tained Leaves									
Field Observ	vations:										
Surface Wate	er Present?	Yes □	Depth:		_ (in.)			Wetland L	lydrology l	Present?	Υ
Water Table	Present?	Yes □	Depth:		(in.)			Welland i	iyarology i	rieseiit:	<u>'</u>
Saturation Pr	resent?	Yes □	Depth:		(in.)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
Describe Reco	orded Data (stream gauge, monitorir	<u> </u>		<u> </u>	pections), if	f available:				
			ng well, aeri	al photos, pr	evious insp						
Describe Reco		stream gauge, monitoring an area that would co	ng well, aeri	al photos, pr	evious insp						
			ng well, aeri	al photos, pr	evious insp						
Remarks: SOILS Profile Descri	The ditch is ption (Descr	an area that would co	ng well, aeri bllect water	al photos, pro and vegetat	evious insp ion passe cator or co	es the FAC	-neutral test. absence of ir				
Remarks: SOILS Profile Descri	The ditch is ption (Descr	an area that would co	ng well, aeri bllect water	al photos, pro and vegetat	evious insp ion passe cator or co	es the FAC	-neutral test. absence of ir				
Remarks: SOILS Profile Descri	The ditch is ption (Descr	an area that would co ibe to the depth neede etion, RM=Reduced Matrix,	ng well, aeri bllect water	al photos, pro and vegetat	evious insp ion passe cator or co	onfirm the	absence of ir				
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Remarks: SOILS Profile Descri	The ditch is ption (Descr	an area that would co ibe to the depth neede etion, RM=Reduced Matrix,	ng well, aeri bllect water	al photos, pro and vegetat	evious insp ion passe cator or co Grains; Loca	onfirm the	absence of ir		Texture		Remarks
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Remarks: SOILS Profile Descri (Type: C=Concent Depth (In.) NRCS Hydri	ption (Description, Depoint ation, Depoint ation, Depoint ation, Depoint ation, Depoint at a second at	ibe to the depth needer etion, RM=Reduced Matrix Matrix Color (Moist) Indicators (check bipedon stic	mg well, aeri pllect water ed to docum CS=Covered % chere if ind	al photos, pro and vegetate nent the indi /Coated Sand of Color (icators are r S5 - Sandy R S6 - Stripped F1 - Loamy N	evious inspection passes cator or congrains; Loca Moist) Moist) not presented a matrix Mucky Miner	onfirm the ation: PL=Por	absence of ing Elining, M=Matrons Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si	luck (LRR I, J) Prairie Redox (urface (LRR G)	Soils ¹ (LRR F, G, H)
Remarks: SOILS Profile Descri (Type: C=Concent Depth (In.) NRCS Hydri	ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge	ibe to the depth neede etion, RM=Reduced Matrix, Matrix Color (Moist) Indicators (check bipedon stic n Sulfide	mg well, aeri pllect water ed to docum CS=Covered % here if ind	al photos, pro and vegetate nent the india /Coated Sand (Coated Sand (cator or congrains; Local Moist) Moist) edox Matrix Mucky Miner Bleyed Matri	onfirm the ation: PL=Por	absence of ing Elining, M=Matrons Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressio	c Soils ¹
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Remarks: SOILS Profile Descri (Type: C=Concent Depth (In.) NRCS Hydri	ption (Descriptration, D=Depintration, D=Depin	ibe to the depth needer etion, RM=Reduced Matrix, Matrix Color (Moist) Indicators (check bipedon stic in Sulfide is Layers (LRR F) ick (LRR FGH)	mg well, aeri plect water ed to docum CS=Covered % here if ind	al photos, pro and vegetat nent the indi /Coated Sand (Color (icators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy O F3 - Depleted F6 - Redox D	cator or congrains; Local Moist) Moist) edox Matrix Mucky Miner Bleyed Matrix	onfirm the	absence of ing Elining, M=Matrons Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressions ed Vertic Parent Material	E Soils ¹ ELRR F, G, H) ONS (LRR H, outside MLRA 72, 73)
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: w-154n44w28-g1
VEGETATIO	` ` '	re non-native	species.)		
Tree Stratum	(Plot size: 30 ft. radius)				
	Species Name	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC:(A)
3.					
4.					Total Number of Dominant Species Across All Strata: 3 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)
7.					referred borninant openes that Are OBE, I AOW, of I Ao (A/B)
					Dravalance Index Werkshoot
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.		-			OBL spp. 25 $x 1 = 25$
	Total Cover =	. 0			FACW spp. $\underline{}$ 60 $\underline{}$ $\underline{}$ $\underline{}$ 120
					FAC spp5
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				OBL spp. 25
1.					$UPL spp. \qquad 0 \qquad X 5 = \qquad 0$
2.					···
3.					Total 130 (A) 320 (B)
4.					
5.					Provolence Index – P/A – 2 462
					Prevalence Index = B/A = 2.462
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover =	0			X Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
Herh Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Agrostis gigantea	35	V	FACW	r robiem riyarophytic vegetation (Explain)
			Y		* Indicators of hydric soil and wetland hydrology must be
2.	Carex pellita	25	<u> </u>	OBL	present, unless disturbed or problematic.
3.	Poa pratensis	25	Y	FACU	
4.	Symphyotrichum lanceolatum	20	N	FACW	Definitions of Vegetation Strata:
5.	Elymus repens	10	N	FACU	
6	Carex sartwellii	5	N	FACW	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Sonchus arvensis	5	N	FAC	height (DBH), regardless of height.
8.	Cirsium arvense	5	N	FACU	
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					
11.					Now- All barbassaus (pap woody) plants, regardless of size
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	130			
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.	action (Flot 5126. 50 ft. faulus)				
2.					
					Uhrdnambertia Warratatian Buraru (O. W.
3.					Hydrophytic Vegetation Present?Y
5.					
4.					
	Total Cover =	. 0			
Remarks:	Ditch is dominated by redtop, woolly sedge,	and Kentu	cky bluegr	ass.	
	, , , , , , , , , , , , , , , , , , , ,		, 0		
A -1 -1141	Dama autor				
Additional F	kemarks:				