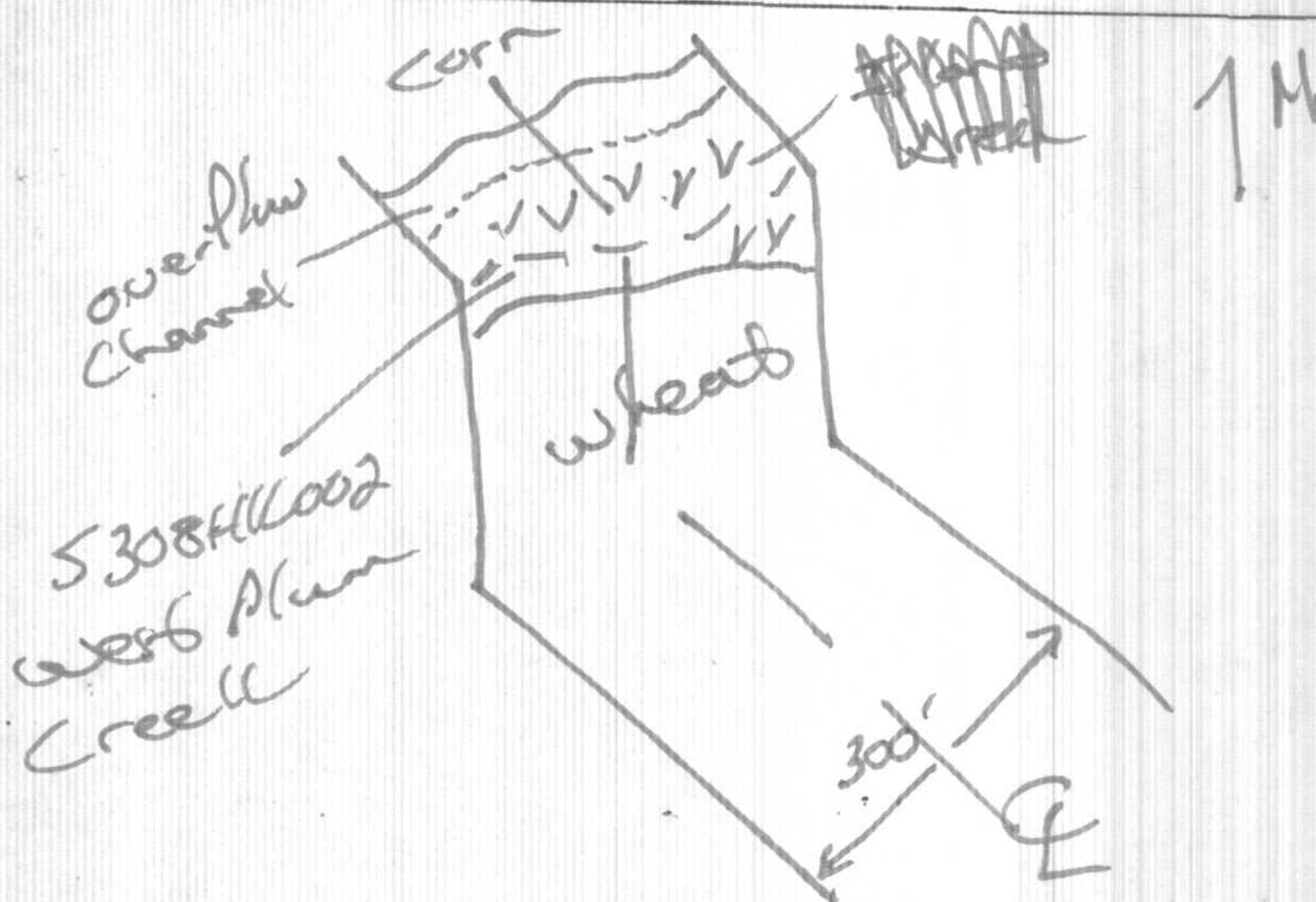


Waterbody Data Form

☒ Centerline ☐ Re-Route ☐ Access Road ☐ Ancillary Facility ☐ Transmission Line ☐ Other			
Centerline ID: 5308 HLL002		Project Designated Name: ILXL Pipeline	
Date: 7-24-12	Client/Project Name:		Milepost Enter/Exit: 447.85
Team: 308	State/County: SD/Haakon		Quad Name:
Logbook No.: 308	Logbook Page No.:	Tract No.: ML-SD-HLL-00560.000	

Drawing (Please provide orientation arrow, all features identified, location to centerline, etc.)



Waterbody Type:		☐ Lake	☐ Pond	☐ Borrow Pit	☒ Stream	☐ Ag. Ditch	☐ Other
Stream Flow:		☐ Fast	☐ Moderate	☐ Slow	☐ Very Slow	☒ None	
Flow Type:		☒ Perennial (Flows year round)			☐ Intermittent (Flows <3 month)		☐ None
		☐ Seasonal (Continuous flow ≥ 3 months)			☐ Ephemeral (Flows only in response to rainfall)		
Direction of Flow:		☐ N	☒ NE	☐ E	☐ SE	☐ S	☐ SW
		☐ W	☐ NW	☐ No Flow			
OHWM Width (ft.): 20							
Sinuosity:		☐ Braided	☒ Meandering	☐ Straight	☐ N/A		
Stream Width (ft.): 15'		Water Surface (At Crossing Location) 12'					
Stream Depth (ft.):		☐ 0	☐ 1-3	☒ 3-6	☐ 6-12	☐ 12-18	☐ 18-24
		☐ 24-36	☐ 36-48	☐ 48-60	☐ 60+		
OHWM Indicators:		clear line on bank					
Bank Height (ft.): (Looking Downstream)		Left:		☐ 0-2	☐ 2-4	☒ 4-6	☐ 6-8
		Right:		☐ 0-2	☐ 2-4	☐ 4-6	☐ 6-8
				☒ 8+			
Bank Slope: (Looking Downstream)		Left:		☐ 4:1	☐ 3:1	☒ 2:1	☐ 1:1
		Right:		☐ 4:1	☐ 3:1	☐ 2:1	☒ 1:1
				☐ Vertical	☐ Vertical		

Qualitative Attributes

Water Appearance: ☐ Clear ☐ Turbid ☐ Sheen on Surface ☒ Floating Algal Mats ☐ Slightly Turbid ☐ Very Turbid ☒ Greenish Color ☐ Obvious Surface Scum ☐ No Flow ☐ Other:	
Stream Substrate %:	
Aquatic Habitats: ☐ Sand Bar ☐ Gravel Riffle ☒ In-stream Emergent Plant % Cover: 35 ☐ Gravel Bar ☐ Deep Pools ☒ In-stream Submerged Plant % Cover: 5 ☐ Mud Bar ☐ Bank Root Systems ☐ Fringing Wetlands Characteristics: ☐ Undercut Banks ☐ Overhanging Trees/Shrubs ☐ None	
Aquatic Organisms Observed:	
Riparian Zone: Width of Natural Vegetation Zone from Edge of Active Channel out to Flood Plain (ft): Left - 125 Right - 10 Vegetative Layers: ☒ Herbs ☐ Shrubs ☐ Trees ☐ Multiple Significant Bare Areas Within Riparian Zone ☐ Yes ☒ No ☐ Unknown Evidence Of Non-Buffered Concentrated Flows: ☐ Yes ☒ No ☐ Unknown	
Tributary Condition: ☐ Natural ☐ Artificial (Man-Made) ☒ Manipulated	
Channel Condition: ☒ Channelization/Braiding ☐ Unnatural Straightening ☐ Downcutting ☐ Dikes/Berms ☐ Excessive Bank Erosion ☐ N/A	
Disturbances: ☐ Livestock Access to Riparian Zone ☐ Manure In Stream or On Banks ☐ Waste Discharge Pipes Present ☐ Other:	
Habitat Characteristics, Aquatic, and Terrestrial Diversity Description: Habitat ID Number:	
Comments: West Plum Creek. Perennial tributary, fish present. Steep slopes. Relatively moderate to high quality tributary. Appears to occasionally possess a significant flow.	
Stream Quality: ☐ High ☒ Moderate ☐ Low	