


<b>Gully ID:</b> 06:10-09:36	<p style="text-align: center;"><b>MAP</b></p> 
<b>Date &amp; Time:</b> June 10, 2021 9:36 AM	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny <b>Storm/Rainfall Event in the Past 24 Hours?</b> No	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	Moderate
<b>Approximate Depth:</b>	3-Medium (3'-15')
<b>Approximate Bottom Width:</b>	1-Wide (>5')
<b>Approximate Gully Length:</b>	5-Long (>100')
<b>Condition of Gully Bottom:</b>	3-Some Vegetation
<b>Condition of Gully Banks:</b>	5-Bare Soil
<b>Gully Bank Angles:</b>	3-Mid-Range (45 to 90 degrees)
<b>Gully Shape:</b>	5-V-Shaped
<b>Gully Material:</b>	Silt/Clay

<b>Seep:</b>	0-No	
<b>Stormwater Runoff:</b>	0-No	
<b>Stormwater Inputs:</b>		
<b>Fallen Trees:</b>	1-Yes	
<b>Degradation:</b>		5-Severe
<b>Aggradation:</b>		0-None
<b>Slumping:</b>		1-Yes
<b>Additional Notes:</b>	<p>Classification? Moderate</p> <p>Presence of Water? No</p> <p>Quantity of Water?</p> <p>Notes/Comments: This gully has lots of dumped yard waste and some wire fences disposed of in here. Very little vegetation.</p>	

**Photo 1 Image**



**Photo 1 View Direction**

Downstream

**Photo 1 Caption**

Downstream view of gully. Slumping trees on left bank.

**Photo 2 Image**



**Photo 2 View Direction**

Downstream

**Photo 2 Caption**

Downstream view about 40 feet down the gully. Degradation and slumping worsens.

**Photo 3 Image**




**Photo 3 View Direction**

Upstream

**Photo 3 Caption**

Upstream view from near the bottom of the gully.

<b>Gully ID:</b> 06:28-12:59	<p style="text-align: center;"><b>MAP</b></p> 
<b>Date &amp; Time:</b> June 28, 2021 12:59 PM	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny  <b>Storm/Rainfall Event in the Past 24 Hours?</b> Yes-Low Intensity	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	High
<b>Approximate Depth:</b>	3-Medium (3'-15')
<b>Approximate Bottom Width:</b>	5-Narrow/V-Ditch
<b>Approximate Gully Length:</b>	5-Long (>100')
<b>Condition of Gully Bottom:</b>	3-Some Vegetation
<b>Condition of Gully Banks:</b>	3-Some Vegetation
<b>Gully Bank Angles:</b>	3-Mid-Range (45 to 90 degrees)
<b>Gully Shape:</b>	5-V-Shaped
<b>Gully Material:</b>	Silt/Clay

<b>Seep:</b>	0-No	
<b>Stormwater Runoff:</b>	0-No	
<b>Stormwater Inputs:</b>		
<b>Fallen Trees:</b>	1-Yes	
<b>Degradation:</b>		5-Severe
<b>Aggradation:</b>		1-Low
<b>Slumping:</b>		1-Yes
<b>Additional Notes:</b>	<p>Classification? High</p> <p>Presence of Water? No</p> <p>Quantity of Water?</p> <p>Notes/Comments: Gully running behind business buildings. It is filled with lots of dead branches And garbage/random items.</p>	

**Photo 1 Image**



**Photo 1 View Direction**

Upstream

**Photo 1 Caption**

Upstream view of left bank.

**Photo 2 Image**



**Photo 2 View Direction**

Right Bank

**Photo 2 Caption**

Upstream view of right bank.

**Photo 3 Image**



**Photo 3 View Direction**

Downstream

**Photo 3 Caption**

Downstream view right bank.

**Photo 4 Image**




**Photo 4 View Direction**

Downstream

**Photo 4 Caption**

Downstream view of left bank. Barbed wire fence is in picture downstream.



<b>Gully ID:</b> 06:28-12:36	<p style="text-align: center;"><b>MAP</b></p> 
<b>Date &amp; Time:</b> June 28, 2021 12:36 PM	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny  <b>Storm/Rainfall Event in the Past 24 Hours?</b> Yes-Low Intensity	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	Moderate
<b>Approximate Depth:</b>	3-Medium (3'-15')
<b>Approximate Bottom Width:</b>	3-Medium (1'-5')
<b>Approximate Gully Length:</b>	5-Long (>100')
<b>Condition of Gully Bottom:</b>	1-Heavy Vegetation
<b>Condition of Gully Banks:</b>	1-Heavy Vegetation
<b>Gully Bank Angles:</b>	1-Obtuse (>90 degrees or flat)
<b>Gully Shape:</b>	5-V-Shaped
<b>Gully Material:</b>	Silt/Clay

<b>Seep:</b>	0-No	
<b>Stormwater Runoff:</b>	0-No	
<b>Stormwater Inputs:</b>		
<b>Fallen Trees:</b>	1-Yes	
<b>Degradation:</b>		0-None
<b>Aggradation:</b>		0-None
<b>Slumping:</b>		1-Yes
<b>Additional Notes:</b>	<p>Classification? Moderate</p> <p>Presence of Water? No</p> <p>Quantity of Water?</p> <p>Notes/Comments: Gully behind large business building. Very low priority and highly vegetation gully with some trees.</p>	

**Photo 1 Image**



**Photo 1 View Direction**

Downstream

**Photo 1 Caption**

Downstream view.

**Photo 2 Image**



**Photo 2 View Direction**

Downstream

**Photo 2 Caption**

Downstream view of left bank.

**Photo 3 Image**

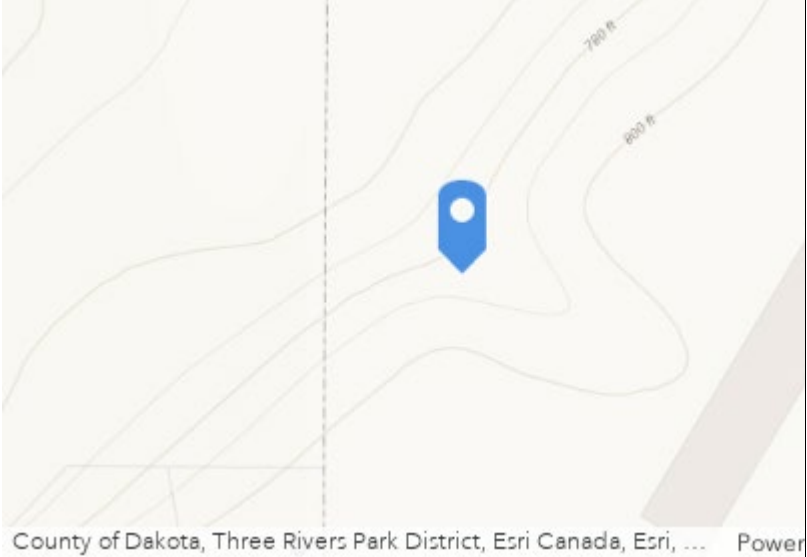


**Photo 3 View Direction**

Downstream

**Photo 3 Caption**

Downstream view of right bank.

<b>Gully ID:</b> 07:21-11:58	<p style="text-align: center;"><b>MAP</b></p> 
<b>Date &amp; Time:</b> July 21, 2021 11:58 AM	
<b>Location:</b> Eagan	
<b>Weather:</b> Cloudy <b>Storm/Rainfall Event in the Past 24 Hours?</b> No	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	High
<b>Approximate Depth:</b>	3-Medium (3'-15')
<b>Approximate Bottom Width:</b>	5-Narrow/V-Ditch
<b>Approximate Gully Length:</b>	5-Long (>100')
<b>Condition of Gully Bottom:</b>	3-Some Vegetation
<b>Condition of Gully Banks:</b>	1-Heavy Vegetation
<b>Gully Bank Angles:</b>	5-Acute (<45 degrees or undercut)
<b>Gully Shape:</b>	5-V-Shaped
<b>Gully Material:</b>	Silt/Clay

<b>Seep:</b>	0-No	
<b>Stormwater Runoff:</b>	0-No	
<b>Stormwater Inputs:</b>		
<b>Fallen Trees:</b>	0-No	
<b>Degradation:</b>		3-Moderate
<b>Aggradation:</b>		3-Moderate
<b>Slumping:</b>		1-Yes
<b>Additional Notes:</b>	Classification? High Presence of Water? No Quantity of Water? Notes/Comments: Gully to the right of previous site, hanging roots throughout, right bank is more heavily eroded than left,	

**Photo 1 Image**



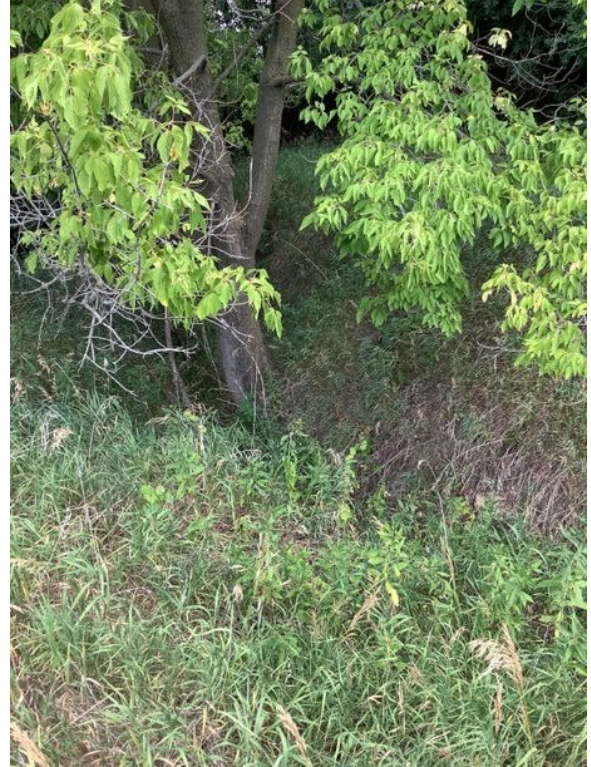
**Photo 1 View Direction**

Upstream

**Photo 1 Caption**

Gully top

**Photo 2 Image**



**Photo 2 View Direction**

Downstream

**Photo 2 Caption**

Right bank

**Photo 3 Image**



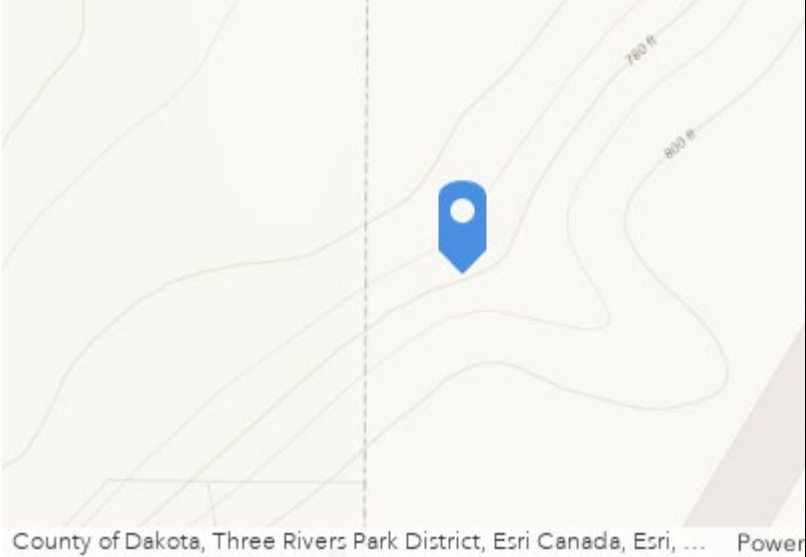
**Photo 3 View Direction**

Upstream

**Photo 3 Caption**

Further downstream right bank



<b>Gully ID:</b> 07:21-11:55	<p style="text-align: center;"><b>MAP</b></p> 
<b>Date &amp; Time:</b> July 21, 2021 11:55 AM	
<b>Location:</b> Eagan	
<b>Weather:</b> Cloudy  <b>Storm/Rainfall Event in the Past 24 Hours?</b> No	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	Moderate
<b>Approximate Depth:</b>	3-Medium (3'-15')
<b>Approximate Bottom Width:</b>	5-Narrow/V-Ditch
<b>Approximate Gully Length:</b>	1-Short (<50')
<b>Condition of Gully Bottom:</b>	3-Some Vegetation
<b>Condition of Gully Banks:</b>	1-Heavy Vegetation
<b>Gully Bank Angles:</b>	5-Acute (<45 degrees or undercut)
<b>Gully Shape:</b>	5-V-Shaped
<b>Gully Material:</b>	Silt/Clay

<b>Seep:</b>	0-No	
<b>Stormwater Runoff:</b>	0-No	
<b>Stormwater Inputs:</b>		
<b>Fallen Trees:</b>	0-No	
<b>Degradation:</b>		3-Moderate
<b>Aggradation:</b>		1-Low
<b>Slumping:</b>		1-Yes
<b>Additional Notes:</b>	<p>Classification? Moderate</p> <p>Presence of Water? No</p> <p>Quantity of Water?</p> <p>Notes/Comments: Short gully that feeds into another larger gully right next to it, hanging roots along banks, grassy throughout,</p>	

**Photo 1 Image**



**Photo 1 View Direction**

Downstream

**Photo 1 Caption**

Left bank

**Photo 2 Image**



**Photo 2 View Direction**

Downstream

**Photo 2 Caption**

Right bank

**Photo 3 Image**

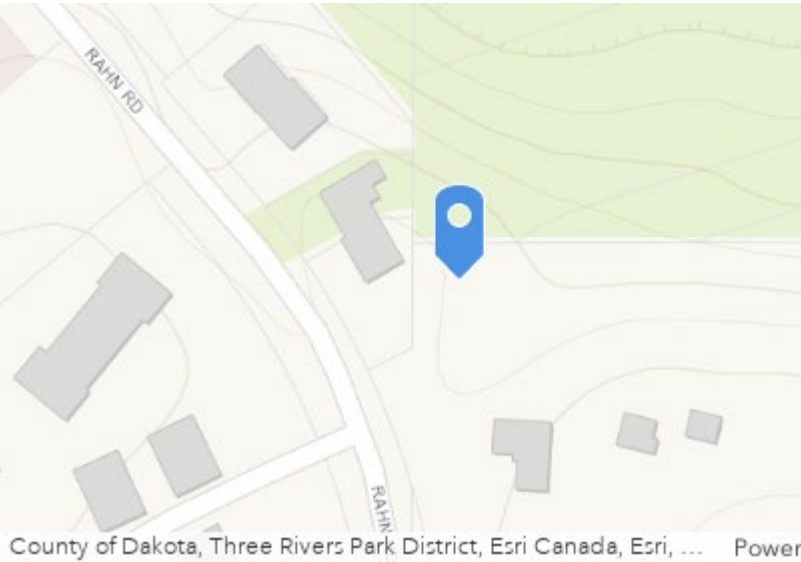


**Photo 3 View Direction**

Downstream

**Photo 3 Caption**

Middle

<b>Gully ID:</b> 06:10-09:40	<p style="text-align: center;"><b>MAP</b></p> 
<b>Date &amp; Time:</b> July 10, 2020 9:40 AM	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny <b>Storm/Rainfall Event in the Past 24 Hours?</b> No	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	Moderate
<b>Approximate Depth:</b>	1-Shallow (<3')
<b>Approximate Bottom Width:</b>	3-Medium (1'-5')
<b>Approximate Gully Length:</b>	3-Medium (50'-100')
<b>Condition of Gully Bottom:</b>	3-Some Vegetation
<b>Condition of Gully Banks:</b>	3-Some Vegetation
<b>Gully Bank Angles:</b>	1-Obtuse (>90 degrees or flat)
<b>Gully Shape:</b>	3-U-Shaped
<b>Gully Material:</b>	Silt/Clay

<b>Seep:</b>	0-No	
<b>Stormwater Runoff:</b>	0-No	
<b>Stormwater Inputs:</b>		
<b>Fallen Trees:</b>	1-Yes	
<b>Degradation:</b>		1-Low
<b>Aggradation:</b>		1-Low
<b>Slumping:</b>		1-Yes
<b>Additional Notes:</b>	<p>Classification? Moderate</p> <p>Presence of Water? No</p> <p>Quantity of Water?</p> <p>Notes/Comments: Shallow gully right next to another gully. Minor slumping throughout, left bank much shorter than right bank, some vegetation on banks and bottom.</p>	

**Photo 1 Image**



**Photo 1 View Direction**

Downstream

**Photo 1 Caption**

Right bank

**Photo 2 Image**




**Photo 2 View Direction**

Downstream

**Photo 2 Caption**

Left Bank

<b>Gully ID:</b> 06:29-11:15	<p style="text-align: center;"><b>MAP</b></p> 
<b>Date &amp; Time:</b> June 29, 2021 11:15 AM	
<b>Location:</b> Eagan	
<b>Weather:</b> Cloudy  <b>Storm/Rainfall Event in the Past 24 Hours?</b> Yes-Low Intensity	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	Low
<b>Approximate Depth:</b>	3-Medium (3'-15')
<b>Approximate Bottom Width:</b>	3-Medium (1'-5')
<b>Approximate Gully Length:</b>	5-Long (>100')
<b>Condition of Gully Bottom:</b>	1-Heavy Vegetation
<b>Condition of Gully Banks:</b>	1-Heavy Vegetation
<b>Gully Bank Angles:</b>	1-Obtuse (>90 degrees or flat)
<b>Gully Shape:</b>	3-U-Shaped
<b>Gully Material:</b>	Silt/Clay



<b>Seep:</b>	0-No	
<b>Stormwater Runoff:</b>	0-No	
<b>Stormwater Inputs:</b>		
<b>Fallen Trees:</b>	0-No	
<b>Degradation:</b>		0-None
<b>Aggradation:</b>		0-None
<b>Slumping:</b>		0-No
<b>Additional Notes:</b>	Classification? Low Presence of Water? No Quantity of Water? Notes/Comments: Gully along side of highway that is very low priority.	

**Photo 1 Image**



**Photo 1 View Direction**

Downstream

**Photo 1 Caption**

Downstream view from right bank

**Photo 2 Image**



**Photo 2 View Direction**

Upstream

**Photo 2 Caption**

Upstream view from right bank

**Photo 3 Image**




**Photo 3 View Direction**

Gully Bottom

**Photo 3 Caption**

View of gully bottom from right bank. There is a fence running through the middle of the bottom along the gully.

<b>Gully ID:</b> 06:29-10:11	<p style="text-align: center;"><b>MAP</b></p> 
<b>Date &amp; Time:</b> June 29, 2021 10:11 AM	
<b>Location:</b> Eagan	
<b>Weather:</b> Cloudy  <b>Storm/Rainfall Event in the Past 24 Hours?</b> Yes-Low Intensity	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	Moderate
<b>Approximate Depth:</b>	1-Shallow (<3')
<b>Approximate Bottom Width:</b>	5-Narrow/V-Ditch
<b>Approximate Gully Length:</b>	1-Short (<50')
<b>Condition of Gully Bottom:</b>	3-Some Vegetation
<b>Condition of Gully Banks:</b>	5-Bare Soil
<b>Gully Bank Angles:</b>	3-Mid-Range (45 to 90 degrees)
<b>Gully Shape:</b>	5-V-Shaped
<b>Gully Material:</b>	Silt/Clay

<b>Seep:</b>	0-No	
<b>Stormwater Runoff:</b>	0-No	
<b>Stormwater Inputs:</b>		
<b>Fallen Trees:</b>	1-Yes	
<b>Degradation:</b>	5-Severe	
<b>Aggradation:</b>	1-Low	
<b>Slumping:</b>	1-Yes	
<b>Additional Notes:</b>	<p>Classification? Moderate</p> <p>Presence of Water? No</p> <p>Quantity of Water?</p> <p>Notes/Comments: Gully running into pond. Has pipe that runs under trail. Gully kind of ends after the pipe opening downstream and just becomes a large open area.</p>	

**Photo 1 Image**



**Photo 1 View Direction**

Downstream

**Photo 1 Caption**

Downstream view from right side

**Photo 2 Image**



**Photo 2 View Direction**

Upstream

**Photo 2 Caption**

Upstream view of gully

**Photo 3 Image**

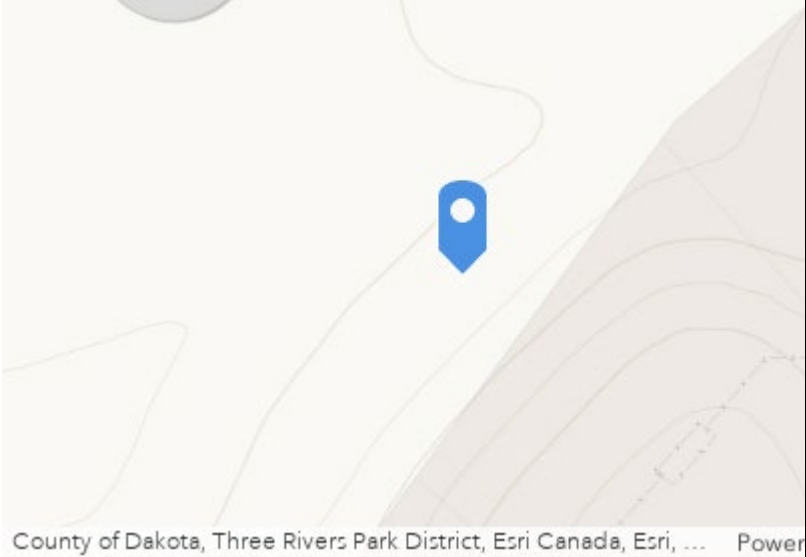


**Photo 3 View Direction**

Downstream

**Photo 3 Caption**

Downstream view from left side.

<b>Gully ID:</b> 06:28-11:27	<p style="text-align: center;"><b>MAP</b></p> 
<b>Date &amp; Time:</b> June 28, 2021 11:27 AM	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny  <b>Storm/Rainfall Event in the Past 24 Hours?</b> Yes-Low Intensity	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	Moderate
<b>Approximate Depth:</b>	3-Medium (3'-15')
<b>Approximate Bottom Width:</b>	5-Narrow/V-Ditch
<b>Approximate Gully Length:</b>	3-Medium (50'-100')
<b>Condition of Gully Bottom:</b>	3-Some Vegetation
<b>Condition of Gully Banks:</b>	3-Some Vegetation
<b>Gully Bank Angles:</b>	3-Mid-Range (45 to 90 degrees)
<b>Gully Shape:</b>	5-V-Shaped
<b>Gully Material:</b>	Silt/Clay



<b>Seep:</b>	0-No	
<b>Stormwater Runoff:</b>	0-No	
<b>Stormwater Inputs:</b>		
<b>Fallen Trees:</b>	1-Yes	
<b>Degradation:</b>		3-Moderate
<b>Aggradation:</b>		1-Low
<b>Slumping:</b>		1-Yes
<b>Additional Notes:</b>	<p>Classification? Moderate</p> <p>Presence of Water? No</p> <p>Quantity of Water?</p> <p>Notes/Comments: Gully between businesses and water treatment plant. Pretty vegetate, around area with very heavy vegetation and some bare spots. connects to another gully downstream</p>	

**Photo 1 Image**



**Photo 1 View Direction**

Downstream

**Photo 1 Caption**

Downstream view of gully, it turns right about 20 feet from beginning as seen in this photo.

**Photo 2 Image**



**Photo 2 View Direction**

Upstream

**Photo 2 Caption**

Upstream view at turn.

**Photo 3 Image**



**Photo 3 View Direction**

Downstream

**Photo 3 Caption**

Downstream view at turn. Area after turn had practically no vegetation for about 20 feet then it turns into heavy vegetation.

**Photo 4 Image**




**Photo 4 View Direction**

Downstream

**Photo 4 Caption**

Area where gully turns into heavy vegetation, this continues for about 30/40 feet until it connects to another gully downstream.

<b>Gully ID:</b> 06:28-10:59	<b>MAP</b> 
<b>Date &amp; Time:</b> June 28, 2021 10:59 AM	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny <b>Storm/Rainfall Event in the Past 24 Hours?</b> Yes-Low Intensity	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	High
<b>Approximate Depth:</b>	1-Shallow (<3')
<b>Approximate Bottom Width:</b>	5-Narrow/V-Ditch
<b>Approximate Gully Length:</b>	1-Short (<50')
<b>Condition of Gully Bottom:</b>	5-Bare Soil
<b>Condition of Gully Banks:</b>	5-Bare Soil
<b>Gully Bank Angles:</b>	5-Acute (<45 degrees or undercut)
<b>Gully Shape:</b>	5-V-Shaped
<b>Gully Material:</b>	Silt/Clay

<b>Seep:</b>	0-No	
<b>Stormwater Runoff:</b>	0-No	
<b>Stormwater Inputs:</b>		
<b>Fallen Trees:</b>	1-Yes	
<b>Degradation:</b>	5-Severe	
<b>Aggradation:</b>	1-Low	
<b>Slumping:</b>	1-Yes	
<b>Additional Notes:</b>	<p>Classification? High</p> <p>Presence of Water? No</p> <p>Quantity of Water?</p> <p>Notes/Comments: Gully on a slope that leads into a pond downstream. There is almost no vegetation just a few small trees and a few large trees.</p>	

**Photo 1 Image**



**Photo 1 View Direction**

Upstream

**Photo 1 Caption**

Upstream view of small gully.

**Photo 2 Image**



**Photo 2 View Direction**

Upstream

**Photo 2 Caption**

Upstream view of left bank were severe degradation is visible.

**Photo 3 Image**

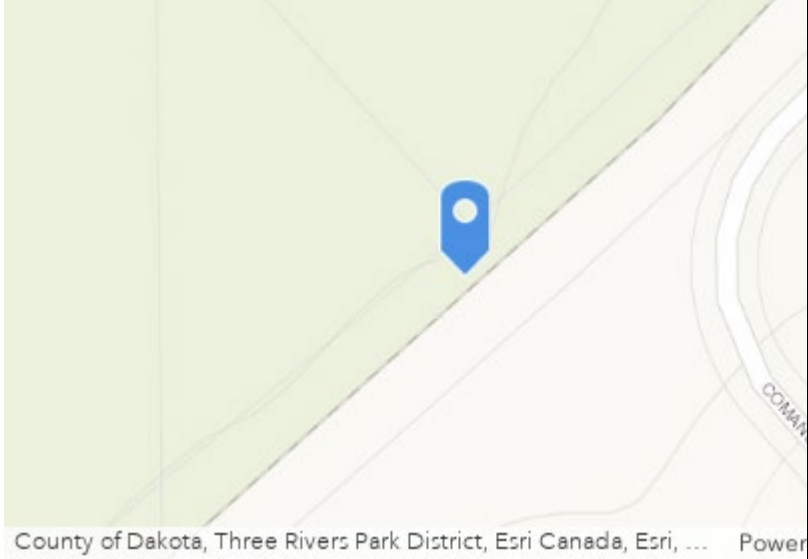


**Photo 3 View Direction**

Downstream

**Photo 3 Caption**

Downstream view of gully. Pond can be seen in the background.

<b>Gully ID:</b> 06:28-09:30	<p style="text-align: center;"><b>MAP</b></p> 
<b>Date &amp; Time:</b> June 28, 2021 9:30 AM	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny  <b>Storm/Rainfall Event in the Past 24 Hours?</b> Yes-Low Intensity	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	Moderate
<b>Approximate Depth:</b>	3-Medium (3'-15')
<b>Approximate Bottom Width:</b>	1-Wide (>5')
<b>Approximate Gully Length:</b>	5-Long (>100')
<b>Condition of Gully Bottom:</b>	5-Bare Soil
<b>Condition of Gully Banks:</b>	1-Heavy Vegetation
<b>Gully Bank Angles:</b>	1-Obtuse (>90 degrees or flat)
<b>Gully Shape:</b>	3-U-Shaped
<b>Gully Material:</b>	Silt/Clay



<b>Seep:</b>	0-No	
<b>Stormwater Runoff:</b>	1-Yes	
<b>Stormwater Inputs:</b>	3-Low Flow	
<b>Fallen Trees:</b>	0-No	
<b>Degradation:</b>	3-Moderate	
<b>Aggradation:</b>	1-Low	
<b>Slumping:</b>	1-Yes	
<b>Additional Notes:</b>	<p>Classification? Moderate</p> <p>Presence of Water? Yes</p> <p>Quantity of Water? Trickle/Slow Moving</p> <p>Notes/Comments: Gully off of railroad tracks. Large concrete pipe running under the tracks with a lot of low flow water running through it. The top of the pipe is broken off. We saw river otters here the seem to potentially be living in the pipe.</p>	

**Photo 1 Image**



**Photo 1 View Direction**

Downstream

**Photo 1 Caption**

Downstream view from railroad tracks of stream. Green post says this is a sewer pipeline.

**Photo 2 Image**



**Photo 2 View Direction**

Gully Bottom

**Photo 2 Caption**

Birdseye view of broken pipe which is armored, but not well.

**Photo 3 Image**



**Photo 3 View Direction**

Right Bank

**Photo 3 Caption**

Picture of heavily vegetated bank.

**Photo 4 Image**




**Photo 4 View Direction**

Upstream

**Photo 4 Caption**

Upstream view from other side of railroad tracks. No water was present in this part of the gully so the water must come from another pipe underground.

<b>Gully ID:</b> 06:22-01:45	<b>MAP</b> 
<b>Date &amp; Time:</b> June 22, 2021 1:45 PM	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny <b>Storm/Rainfall Event in the Past 24 Hours?</b> No	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	High
<b>Approximate Depth:</b>	3-Medium (3'-15')
<b>Approximate Bottom Width:</b>	5-Narrow/V-Ditch
<b>Approximate Gully Length:</b>	3-Medium (50'-100')
<b>Condition of Gully Bottom:</b>	3-Some Vegetation
<b>Condition of Gully Banks:</b>	3-Some Vegetation
<b>Gully Bank Angles:</b>	5-Acute (<45 degrees or undercut)
<b>Gully Shape:</b>	5-V-Shaped
<b>Gully Material:</b>	Silt/Clay

<b>Seep:</b>	0-No	
<b>Stormwater Runoff:</b>	0-No	
<b>Stormwater Inputs:</b>		
<b>Fallen Trees:</b>	1-Yes	
<b>Degradation:</b>		5-Severe
<b>Aggradation:</b>		0-None
<b>Slumping:</b>		1-Yes
<b>Additional Notes:</b>	<p>Classification? High</p> <p>Presence of Water? No</p> <p>Quantity of Water?</p> <p>Notes/Comments: Gully behind house which resident says he has been trying to fill in but it keeps eroding severely.</p>	

**Photo 1 Image**



**Photo 1 View Direction**

Downstream

**Photo 1 Caption**

Downstream view from the top of gully.

**Photo 2 Image**



**Photo 2 View Direction**

Downstream

**Photo 2 Caption**

Downstream view of head cut of gully filled with log chopping.

**Photo 3 Image**



**Photo 3 View Direction**

Downstream

**Photo 3 Caption**

Downstream view of entire gully

**Photo 4 Image**

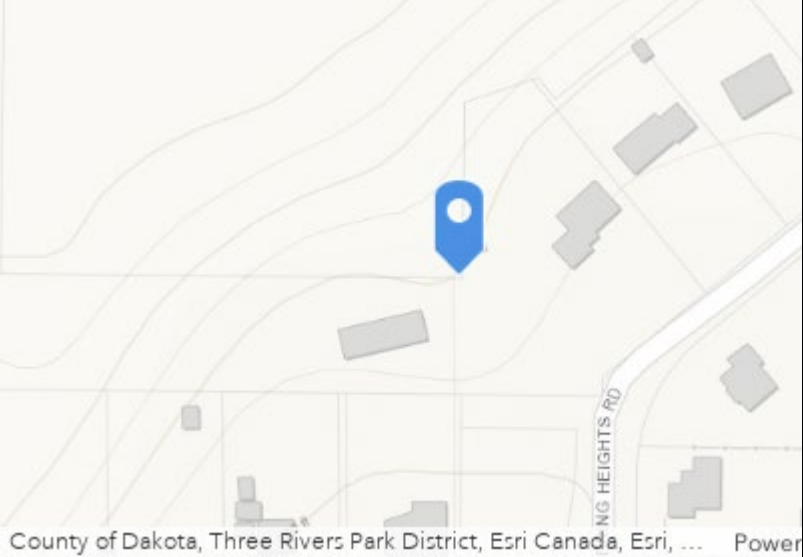


**Photo 4 View Direction**

Upstream

**Photo 4 Caption**

Upstream view of yard waste thrown in gully to prevent erosion.

<b>Gully ID:</b> 06:22-01:32	<p style="text-align: center;"><b>MAP</b></p> 
<b>Date &amp; Time:</b> June 22, 2021 1:32 PM	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny  <b>Storm/Rainfall Event in the Past 24 Hours?</b> No	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	Low
<b>Approximate Depth:</b>	1-Shallow (<3')
<b>Approximate Bottom Width:</b>	3-Medium (1'-5')
<b>Approximate Gully Length:</b>	1-Short (<50')
<b>Condition of Gully Bottom:</b>	5-Bare Soil
<b>Condition of Gully Banks:</b>	3-Some Vegetation
<b>Gully Bank Angles:</b>	1-Obtuse (>90 degrees or flat)
<b>Gully Shape:</b>	3-U-Shaped
<b>Gully Material:</b>	Silt/Clay



<b>Seep:</b>	0-No	
<b>Stormwater Runoff:</b>	0-No	
<b>Stormwater Inputs:</b>		
<b>Fallen Trees:</b>	1-Yes	
<b>Degradation:</b>	1-Low	
<b>Aggradation:</b>	0-None	
<b>Slumping:</b>	1-Yes	
<b>Additional Notes:</b>	<p>Classification? Low</p> <p>Presence of Water? No</p> <p>Quantity of Water?</p> <p>Notes/Comments: Site behind private drive and between two properties. Resident says that gully has filled in about 3 feet in the past 30 years from sediment draining into this gully. One of the residents put concrete on the left bank to try and prevent erosion.</p>	

**Photo 1 Image**



**Photo 1 View Direction**

Upstream

**Photo 1 Caption**

Upstream view of gully from right bank.

**Photo 2 Image**



**Photo 2 View Direction**

Left Bank

**Photo 2 Caption**

View of concrete lining the left bank placed by resident to prevent erosion.

**Photo 3 Image**



**Photo 3 View Direction**

Downstream

**Photo 3 Caption**

Downstream view from left bank.

**Photo 4 Image**

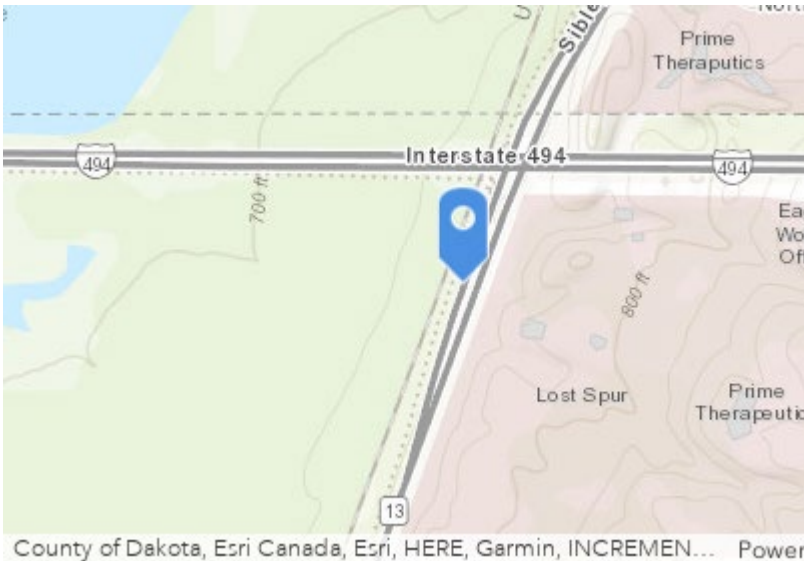


**Photo 4 View Direction**

Upstream

**Photo 4 Caption**

Upstream view of gully from right bank.

<p><b>Gully ID:</b> 06:15-10:52</p>	<p style="text-align: center;"><b>MAP</b></p> 
<p><b>Date &amp; Time:</b> June 15, 2021 10:52</p>	
<p><b>Location:</b> Eagan</p>	
<p><b>Weather:</b> Sunny</p> <p><b>Storm/Rainfall Event in the Past 24 Hours?</b> No</p>	
<b>GULLY INFORMATION</b>	
<p><b>Calculated Erosion Potential:</b></p>	<p>Moderate (x - x)</p>
<p><b>Approximate Depth:</b></p>	<p>1-Shallow (&lt;3')</p>
<p><b>Approximate Bottom Width:</b></p>	<p>3-Medium (1'-5')</p>
<p><b>Approximate Gully Length:</b></p>	<p>Short: &lt;50'</p>
<p><b>Condition of Gully Bottom:</b></p>	<p>5-Bare Soil</p>
<p><b>Condition of Gully Banks:</b></p>	<p>3-Some Vegetation</p>
<p><b>Gully Bank Angles:</b></p>	<p>3-Mid-range (45 to 90 degrees)</p>
<p><b>Gully Shape:</b></p>	<p>3-U-Shaped</p>
<p><b>Gully Material:</b></p>	<p>Silt and/or Clay</p>

<b>Seep:</b>	No	
<b>Stormwater Inputs:</b>	2-Low flow	
<b>Fallen Trees:</b>	No	
<b>Degradation:</b>		3-Moderate
<b>Aggradation:</b>		1-Low
<b>Slumping:</b>		1-Low
<b>Additional Notes:</b>	Classification? Moderate (x - x) Notes/Comments: Comes from storm sewer under the trail, stream constantly feeding water into gully, goes into pipe under rail road	

**Photo1**

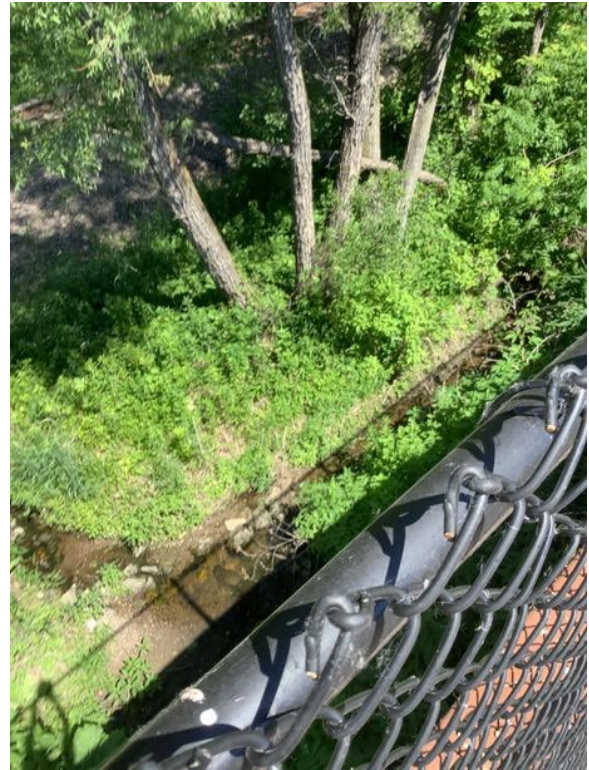


**Photo1 View Direction: View Downstream**

**Photo1 Caption**

**Pipe it feeds into**


**Photo2**



**Photo2 View Direction: View Downstream**

**Photo2 Caption**

**Stream with water going into gully**

<b>Gully ID:</b> 06:04-08:53	<p style="text-align: center;"><b>MAP</b></p> 
<b>Date &amp; Time:</b> June 4, 2021 08:53	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny <b>Storm/Rainfall Event in the Past 24 Hours?</b> No	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	Moderate (x - x)
<b>Approximate Depth:</b>	5-Deep (>15')
<b>Approximate Bottom Width:</b>	1-Wide (>5')
<b>Approximate Gully Length:</b>	Long: >100'
<b>Condition of Gully Bottom:</b>	5-Bare Soil
<b>Condition of Gully Banks:</b>	1-Heavy Vegetation
<b>Gully Bank Angles:</b>	3-Mid-range (45 to 90 degrees)
<b>Gully Shape:</b>	3-U-Shaped
<b>Gully Material:</b>	Silt and/or Clay

<b>Seep:</b>	No
<b>Stormwater Inputs:</b>	2-Low flow
<b>Fallen Trees:</b>	Yes
<b>Degradation:</b>	0-No degradation
<b>Aggradation:</b>	0-No aggradation
<b>Slumping:</b>	1-Low
<b>Additional Notes:</b>	<p>Classification? Moderate (x - x)</p> <p>Notes/Comments: Water moving in direction towards river, few fallen trees, heavy vegetation on banks</p>



**Photo1**



**Photo1 View Direction: View Upstream**

**Photo1 Caption**

**Upstream view of left bank.**

**Photo2**



**Photo2 View Direction: View Upstream**

**Photo2 Caption**

**Upstream view of right bank.**

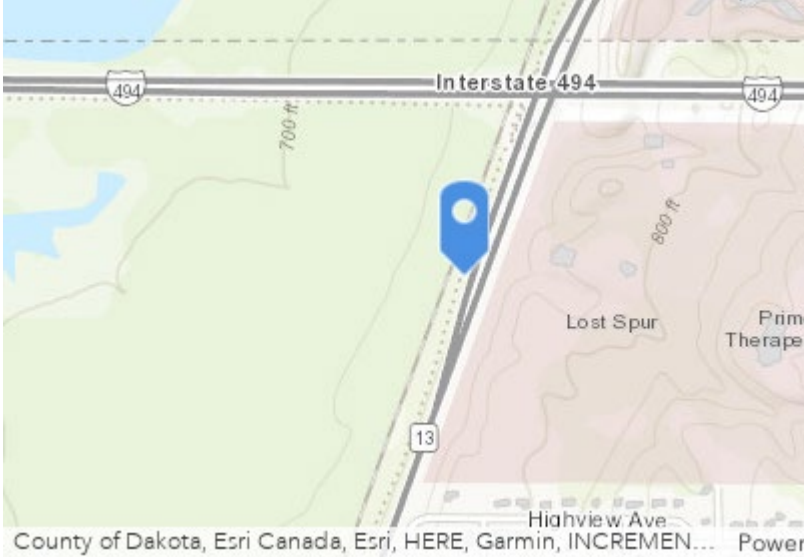
**Photo3**



**Photo3 View Direction: View Downstream**

**Photo3 Caption**

**Downstream view of where gully meets previous gully.**

<b>Gully ID:</b> 06:15-10:46	<b>MAP</b> 
<b>Date &amp; Time:</b> June 15, 2021 10:46	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny <b>Storm/Rainfall Event in the Past 24 Hours?</b> No	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	Low (4 - x)
<b>Approximate Depth:</b>	1-Shallow (<3')
<b>Approximate Bottom Width:</b>	3-Medium (1'-5')
<b>Approximate Gully Length:</b>	Medium: 50'-100'
<b>Condition of Gully Bottom:</b>	5-Bare Soil
<b>Condition of Gully Banks:</b>	1-Heavy Vegetation
<b>Gully Bank Angles:</b>	1-Obtuse (>90 degrees)
<b>Gully Shape:</b>	1-Trapezoid
<b>Gully Material:</b>	Silt and/or Clay

<b>Seep:</b>	No	
<b>Stormwater Inputs:</b>	2-Low flow	
<b>Fallen Trees:</b>	No	
<b>Degradation:</b>	1-Low	
<b>Aggradation:</b>	0-No aggradation	
<b>Slumping:</b>	0-No slumping	
<b>Additional Notes:</b>	<p>Classification? Low (4 - x)</p> <p>Notes/Comments: Gully underneath bridge off big river trail near 494 bridge. Heavy vegetation and pipe and some of the banks are armored. was difficult to get pictures as we could not access the gully from the fenced bridge.</p>	

**Photo1**



**Photo1 View Direction: View Downstream**

**Photo1 Caption**

**Downstream view from bridge.**


**Photo2**



**Photo2 View Direction: View Downstream**

**Photo2 Caption**

**Downstream view from bridge of pipe.**

<b>Gully ID:</b> 06:15-10:27	<p style="text-align: center;"><b>MAP</b></p> 
<b>Date &amp; Time:</b> June 15, 2021 10:27	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny <b>Storm/Rainfall Event in the Past 24 Hours?</b> No	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	Moderate (x - x)
<b>Approximate Depth:</b>	3-Medium (3'-15')
<b>Approximate Bottom Width:</b>	3-Medium (1'-5')
<b>Approximate Gully Length:</b>	Medium: 50'-100'
<b>Condition of Gully Bottom:</b>	5-Bare Soil
<b>Condition of Gully Banks:</b>	1-Heavy Vegetation
<b>Gully Bank Angles:</b>	3-Mid-range (45 to 90 degrees)
<b>Gully Shape:</b>	5-V-Shaped
<b>Gully Material:</b>	Gravel/Cobble/Boulders

<b>Seep:</b>	No	
<b>Stormwater Inputs:</b>	2-Low flow	
<b>Fallen Trees:</b>	No	
<b>Degradation:</b>		1-Low
<b>Aggradation:</b>		0-No aggradation
<b>Slumping:</b>		1-Low
<b>Additional Notes:</b>	<p>Classification? Moderate (x - x)</p> <p>Notes/Comments: Gully off trail with super heavy vegetation and armoring around the pipe with some rocks in the bottom of the gully. there is some severe degradation downstream.</p>	

**Photo1**



**Photo1 View Direction: View Downstream**

**Photo1 Caption**

**Downstream view of heavily vegetated gully from trail.**

**Photo2**



**Photo2 View Direction: View Downstream**

**Photo2 Caption**

**Downstream view from above pipe**



**Photo3**



**Photo3 View Direction: View Upstream**

**Photo3 Caption**

**Upstream view of pipe from right bank.**

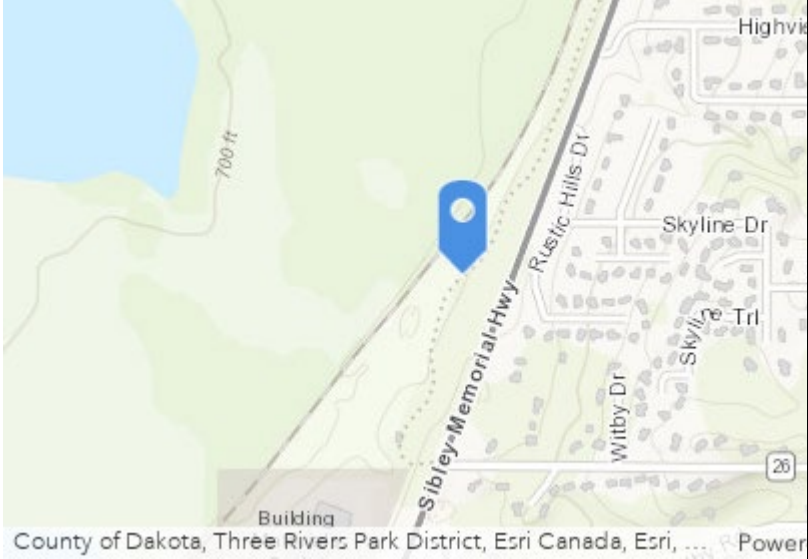
**Photo4**



**Photo4 View Direction: View Upstream**

**Photo4 Caption**

**Upstream view from railroad tracks on north side of trail behind gully. Shows lots of degradation on the banks.**

<b>Gully ID:</b> 06:15-10:13	<b>MAP</b> 
<b>Date &amp; Time:</b> June 15, 2021 10:13	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny <b>Storm/Rainfall Event in the Past 24 Hours?</b> No	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	High (x - 49)
<b>Approximate Depth:</b>	3-Medium (3'-15')
<b>Approximate Bottom Width:</b>	3-Medium (1'-5')
<b>Approximate Gully Length:</b>	Long: >100'
<b>Condition of Gully Bottom:</b>	3-Some Vegetation
<b>Condition of Gully Banks:</b>	3-Some Vegetation
<b>Gully Bank Angles:</b>	5-Acute (< 90 degrees or undercut)
<b>Gully Shape:</b>	5-V-Shaped
<b>Gully Material:</b>	Gravel/Cobble/Boulders

<b>Seep:</b>	No	
<b>Stormwater Inputs:</b>	2-Low flow	
<b>Fallen Trees:</b>	No	
<b>Degradation:</b>		5-Severe
<b>Aggradation:</b>		5-Severe
<b>Slumping:</b>		0-No slumping
<b>Additional Notes:</b>	<p>Classification? High (x - 49)</p> <p>Notes/Comments: Gully off big river regional trail. Gully runs from the south and under the trail towards the mn river. Upstream has lots of vegetation and many boulders and rocks in the gully. Downstream has a few small rocks in the gully with some vegetation as well.</p>	

**Photo1**



**Photo1 View Direction: View Upstream**

**Photo1 Caption**

**Upstream view of south side of trail. Severe degradation is visible on the left bank upstream.**

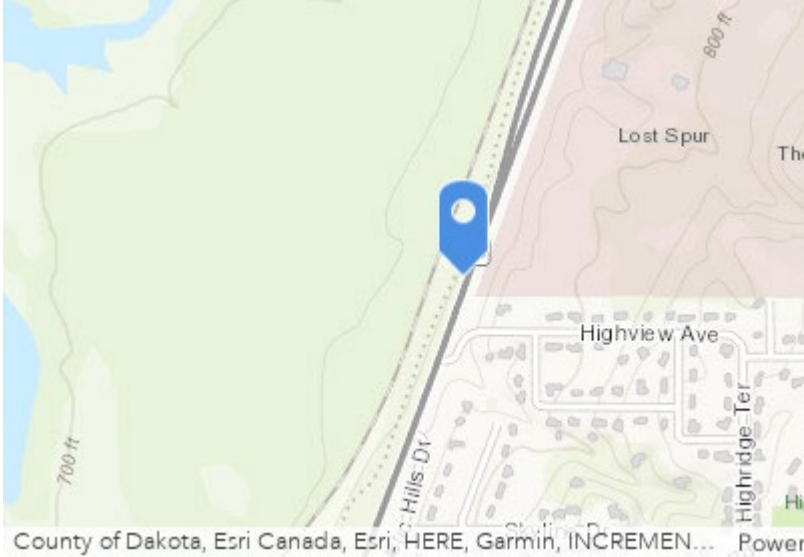
**Photo2**



**Photo2 View Direction: View Downstream**

**Photo2 Caption**

**Downstream view of north side of trail of gully with stagnant water.**

<b>Gully ID:</b> 06:15-10:38	<b>MAP</b> 
<b>Date &amp; Time:</b> June 15, 2021 10:38	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny <b>Storm/Rainfall Event in the Past 24 Hours?</b> No	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	Low (4 - x)
<b>Approximate Depth:</b>	1-Shallow (<3')
<b>Approximate Bottom Width:</b>	1-Wide (>5')
<b>Approximate Gully Length:</b>	Short: <50'
<b>Condition of Gully Bottom:</b>	0-Armored/Riprap
<b>Condition of Gully Banks:</b>	1-Heavy Vegetation
<b>Gully Bank Angles:</b>	1-Obtuse (>90 degrees)
<b>Gully Shape:</b>	1-Trapezoid
<b>Gully Material:</b>	Gravel/Cobble/Boulders

<b>Seep:</b>	No	
<b>Stormwater Inputs:</b>	0-Not present	
<b>Fallen Trees:</b>	No	
<b>Degradation:</b>		1-Low
<b>Aggradation:</b>		1-Low
<b>Slumping:</b>		0-No slumping
<b>Additional Notes:</b>	Classification? Low (4 - x) Notes/Comments: Pipe under trail, boulders at bottom of gully, heavy vegetation on sides, storm sewer on other side of trail	

**Photo1**



**Photo1 View Direction: View Downstream**

**Photo1 Caption**

**Downstream view of rocks outlining where the gully is located.**

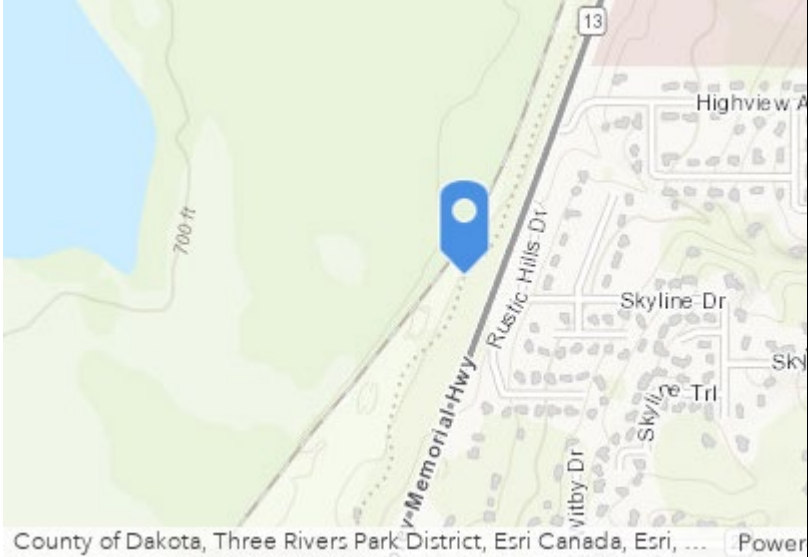
**Photo2**



**Photo2 View Direction: View Upstream**

**Photo2 Caption**

**Upstream view of pipe.**

<b>Gully ID:</b> 06:15-10:22	<b>MAP</b> 
<b>Date &amp; Time:</b> June 15, 2021 10:22	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny <b>Storm/Rainfall Event in the Past 24 Hours?</b> No	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	Low (4 - x)
<b>Approximate Depth:</b>	1-Shallow (<3')
<b>Approximate Bottom Width:</b>	3-Medium (1'-5')
<b>Approximate Gully Length:</b>	Short: <50'
<b>Condition of Gully Bottom:</b>	0-Armored/Riprap
<b>Condition of Gully Banks:</b>	0-Armored/Riprap
<b>Gully Bank Angles:</b>	1-Obtuse (>90 degrees)
<b>Gully Shape:</b>	1-Trapezoid
<b>Gully Material:</b>	Gravel/Cobble/Boulders



<b>Seep:</b>	No	
<b>Stormwater Inputs:</b>	0-Not present	
<b>Fallen Trees:</b>	No	
<b>Degradation:</b>	0-No degradation	
<b>Aggradation:</b>	0-No aggradation	
<b>Slumping:</b>	0-No slumping	
<b>Additional Notes:</b>	Classification? Low (4 - x) Notes/Comments: Boulders at bottom, comes from pipe, fallen branches aren't because of the gully it appears	

**Photo1**



**Photo1 View Direction: View Downstream**

**Photo1 Caption**

**Downstream view of gully.**

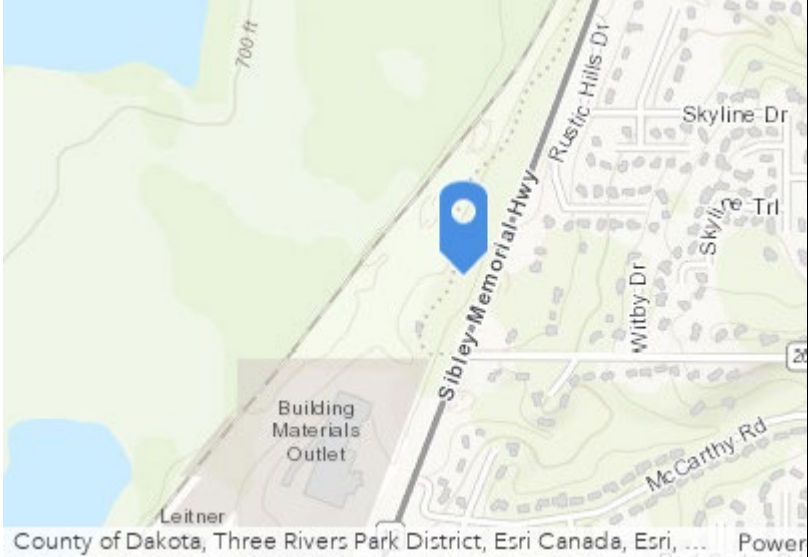
**Photo2**



**Photo2 View Direction: View Upstream**

**Photo2 Caption**

**Upstream view of pipe.**

<b>Gully ID:</b> 06:15-10:06	<b>MAP</b> 
<b>Date &amp; Time:</b> June 15, 2021 10:06	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny <b>Storm/Rainfall Event in the Past 24 Hours?</b> No	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	High (x - 49)
<b>Approximate Depth:</b>	3-Medium (3'-15')
<b>Approximate Bottom Width:</b>	5-Narrow/V-Ditch
<b>Approximate Gully Length:</b>	Medium: 50'-100'
<b>Condition of Gully Bottom:</b>	5-Bare Soil
<b>Condition of Gully Banks:</b>	3-Some Vegetation
<b>Gully Bank Angles:</b>	5-Acute (< 90 degrees or undercut)
<b>Gully Shape:</b>	5-V-Shaped
<b>Gully Material:</b>	Silt and/or Clay

<b>Seep:</b>	No	
<b>Stormwater Inputs:</b>	0-Not present	
<b>Fallen Trees:</b>	Yes	
<b>Degradation:</b>		5-Severe
<b>Aggradation:</b>		1-Low
<b>Slumping:</b>		1-Low
<b>Additional Notes:</b>	Classification? High (x - 49) Notes/Comments: Gully drains into pipe at end, boulders at end. Upstream there is heavy degradation and lots of fallen trees	

**Photo1**



**Photo1 View Direction: View Upstream**

**Photo1 Caption**

**Upstream view of full gully.**


**Photo2**



**Photo2 View Direction: View Downstream**

**Photo2 Caption**

**Downstream view of pipe and boulders.**

<b>Gully ID:</b> 06:10-10:04	<b>MAP</b> 
<b>Date &amp; Time:</b> June 10, 2021 10:04	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny <b>Storm/Rainfall Event in the Past 24 Hours?</b> No	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	High (x - 49)
<b>Approximate Depth:</b>	3-Medium (3'-15')
<b>Approximate Bottom Width:</b>	3-Medium (1'-5')
<b>Approximate Gully Length:</b>	Long: >100'
<b>Condition of Gully Bottom:</b>	5-Bare Soil
<b>Condition of Gully Banks:</b>	1-Heavy Vegetation
<b>Gully Bank Angles:</b>	3-Mid-range (45 to 90 degrees)
<b>Gully Shape:</b>	3-U-Shaped
<b>Gully Material:</b>	Silt and/or Clay

<b>Seep:</b>	No	
<b>Stormwater Inputs:</b>	0-Not present	
<b>Fallen Trees:</b>	Yes	
<b>Degradation:</b>		5-Severe
<b>Aggradation:</b>		3-Moderate
<b>Slumping:</b>		3-Moderate
<b>Additional Notes:</b>	<p>Classification? High (x - 49)</p> <p>Notes/Comments: Long gully with pipe at end of it. Ground is wet even though it hasn't rained in over a week. Heavy bank vegetation, no bottom vegetation. Heavy degradation on bottom of gully.</p>	

**Photo1**



**Photo1 View Direction: View Upstream**

**Photo1 Caption**

**Upstream view of bottom of gully.**

**Photo2**




**Photo2 View Direction: View Downstream**

**Photo2 Caption**

**Downstream view of pipes at end of gully.**



<b>Gully ID:</b> 06:04-08:42	<p style="text-align: center;"><b>MAP</b></p> 
<b>Date &amp; Time:</b> June 4, 2021 08:42	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny <b>Storm/Rainfall Event in the Past 24 Hours?</b> No	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	High (x - 49)
<b>Approximate Depth:</b>	5-Deep (>15')
<b>Approximate Bottom Width:</b>	1-Wide (>5')
<b>Approximate Gully Length:</b>	Long: >100'
<b>Condition of Gully Bottom:</b>	5-Bare Soil
<b>Condition of Gully Banks:</b>	3-Some Vegetation
<b>Gully Bank Angles:</b>	3-Mid-range (45 to 90 degrees)
<b>Gully Shape:</b>	5-V-Shaped
<b>Gully Material:</b>	Silt and/or Clay

<b>Seep:</b>	No	
<b>Stormwater Inputs:</b>	3-Constant high flow	
<b>Fallen Trees:</b>	No	
<b>Degradation:</b>		5-Severe
<b>Aggradation:</b>		3-Moderate
<b>Slumping:</b>		3-Moderate
<b>Additional Notes:</b>	Classification? High (x - 49) Notes/Comments: Stream running off of Minnesota river. Lack of vegetation on lower banks and large trees roots are very exposed.	

**Photo1**



**Photo1 View Direction: View Upstream**

**Photo1 Caption**

**View of stream off river. Can see large tree with exposed roots on left bank and trees behind it Leaning over river.**


**Photo2**



**Photo2 View Direction: View Downstream**

**Photo2 Caption**

**View from right bank upstream where the water flows into the gully from the Minnesota River and mixes with the stream**

<b>Gully ID:</b> 06:04-08:32	<b>MAP</b> 
<b>Date &amp; Time:</b> June 4, 2021 08:32	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny <b>Storm/Rainfall Event in the Past 24 Hours?</b> No	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	Moderate (x - x)
<b>Approximate Depth:</b>	1-Shallow (<3')
<b>Approximate Bottom Width:</b>	3-Medium (1'-5')
<b>Approximate Gully Length:</b>	Short: <50'
<b>Condition of Gully Bottom:</b>	3-Some Vegetation
<b>Condition of Gully Banks:</b>	5-Bare Soil
<b>Gully Bank Angles:</b>	3-Mid-range (45 to 90 degrees)
<b>Gully Shape:</b>	3-U-Shaped
<b>Gully Material:</b>	Silt and/or Clay

<b>Seep:</b>	No	
<b>Stormwater Inputs:</b>	0-Not present	
<b>Fallen Trees:</b>	No	
<b>Degradation:</b>		3-Moderate
<b>Aggradation:</b>		0-No aggradation
<b>Slumping:</b>		0-No slumping
<b>Additional Notes:</b>	Classification? Moderate (x - x) Notes/Comments: Small gully near river, grass roots hanging from side. Little trail on other side of gully.	

**Photo1**



**Photo1 View Direction: View Downstream**

**Photo1 Caption**

**View of entire gully**


**Photo2**



**Photo2 View Direction: View Upstream**

**Photo2 Caption**

**View of area upstream with less vegetation than surroundings**

<b>Gully ID:</b> 06:04-08:59	<p style="text-align: center;"><b>MAP</b></p> 
<b>Date &amp; Time:</b> June 4, 2021 08:59	
<b>Location:</b> Eagan	
<b>Weather:</b> Sunny <b>Storm/Rainfall Event in the Past 24 Hours?</b> No	
<b>GULLY INFORMATION</b>	
<b>Calculated Erosion Potential:</b>	High (x - 49)
<b>Approximate Depth:</b>	5-Deep (>15')
<b>Approximate Bottom Width:</b>	5-Narrow/V-Ditch
<b>Approximate Gully Length:</b>	Long: >100'
<b>Condition of Gully Bottom:</b>	5-Bare Soil
<b>Condition of Gully Banks:</b>	5-Bare Soil
<b>Gully Bank Angles:</b>	5-Acute (< 90 degrees or undercut)
<b>Gully Shape:</b>	5-V-Shaped
<b>Gully Material:</b>	Silt and/or Clay

<b>Seep:</b>	No
<b>Stormwater Inputs:</b>	0-Not present
<b>Fallen Trees:</b>	Yes
<b>Degradation:</b>	0-No degradation, 1-Low
<b>Aggradation:</b>	0-No aggradation
<b>Slumping:</b>	1-Low
<b>Additional Notes:</b>	<p>Classification? High (x - 49)</p> <p>Notes/Comments: Small stream leading straight into the Minnesota river. Very little vegetation on the banks and can see moderate degradation downstream closer to its connecting point with the river.</p>



**Photo1**



**Photo1 View Direction: View Upstream**

**Photo1 Caption**

View upstream from bridge above gully. Can see exposed roots from tree on right bank and some broken branches in the middle of the gully.

**Photo2**



**Photo2 View Direction: View Downstream**

**Photo2 Caption**

View of where stream connects to the river, can see moderate degradation on the lower banks right near the stream.