#### **Potential Site Evaluation**



Purpose: To evaluate the existing Penitentiary site, Missouri River Correctional Center site, and alternative locations on the basis of planning, engineering, environmental, and related services required to support construction of a potential expansion or reconstruction of the North Dakota State Penitentiary and potential relocation of the Missouri River Correctional Center.





#### **Sites Evaluated**



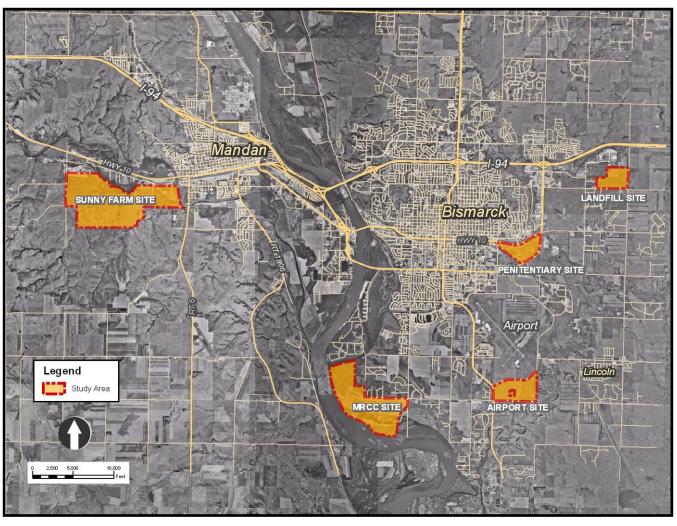
- The North Dakota State Penitentiary site
- The Missouri River Correctional Center site
- The Landfill site
- The Airport site
- The Sunny Farm site





## **Site Location Map**









### **State Penitentiary Site**



Ownership - State of North Dakota

Zoning - Zone "P" – Public Use

Acreage -225.34 acres

Current Use
State Government mixed use

• Existing Environmental - Hay Creek 100-year floodplain,

Constraints freshwater wetlands, Family Forest.

• Wetlands & Floodplains - 20.17 acres (wetlands), 39.9 ac (floodplain)

Utilities

Water - City of Bismarck, 6" and 12" line exist

Sewer - On site pumping station and force main to

City's 18-inch gravity system

Electric - Montana-Dakota Utilities Co., primary dedicated circuit

Natural Gas - Montana-Dakota Utilities Co., 4-inch intermediate pressure





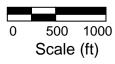
## **Penitentiary Site Boundary**





**LEGEND** 

Boundary





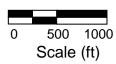


### **Penitentiary Site Usage**





L	LEGEND	
	Boundary	
	Owls Project	
	Family Forest	
	Game & Fish	
	State Lab	
	Rail Road	







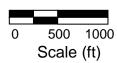


### **Penitentiary Site Wetlands**





LEGEND	
	Boundary
i	Streams
	Wetlands







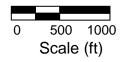


## **Penitentiary Site Floodplain**





LEGEND	
-:-	Boundary
i	Streams
	Wetlands
	100-year Floodplain
	500-year Floodplain

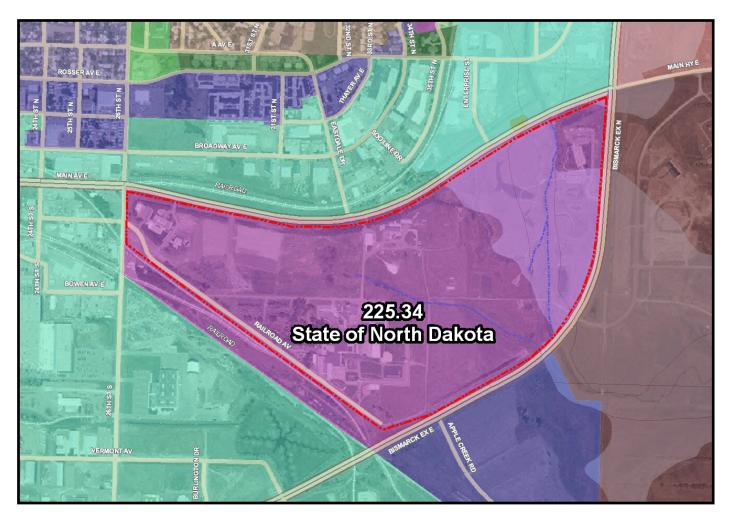






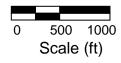


## **Penitentiary Site Zoning**





L	LEGEND	
<b>-··-</b>	Boundary	
	Streams	
	P Public Use	
	PUD Planned Unit Development	
	MA Light Industrial	
	CA Commercial	







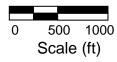


## **Penitentiary Site Utilities**





LEGEND	
	Boundary
	Water
	Sewer
	Electric
	Natural Gas









## **State Penitentiary Site Photos**





Photo 1: State Penitentiary Open Land Looking toward Family Forest



Photo 2: State Penitentiary Potential Wetland Penitentiary Power Plant







#### **Missouri River Correction Center**



Ownership - State of North Dakota

ZoningZone "P" – Public Use

Acreage - 985+ acres

Current Use - Minimum Security Correctional Facility, agriculture

Existing Environmental - Missouri River 100-year and 500-year floodplains,
Constraints freshwater wetlands

Wetlands & Floodplains -121.4 acres (wetlands), 905 ac (floodplain)

Utilities

Water - City of Bismarck, 6" line exists

Sewer - Institution Pump Station and 3-inch main to City's system

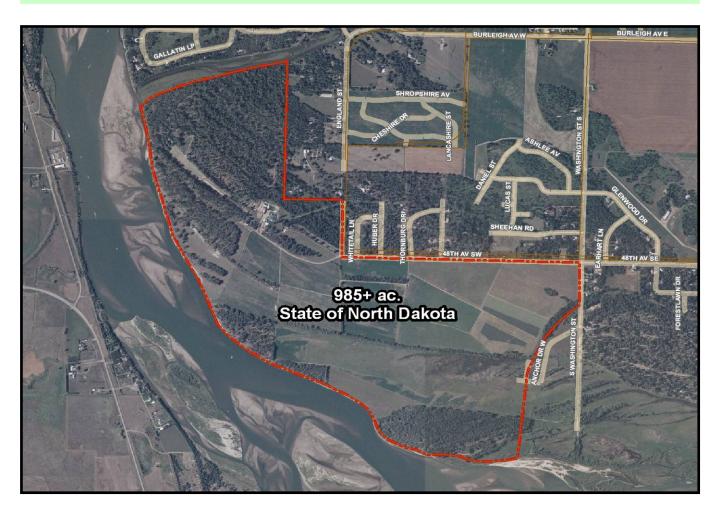
Electric - Montana-Dakota Utilities Co., 3-phase circuit to site

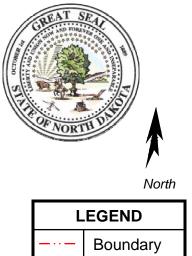
Natural Gas - Montana-Dakota Utilities Co., 4-inch medium pressure

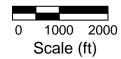




### **MRCC Site Boundary**



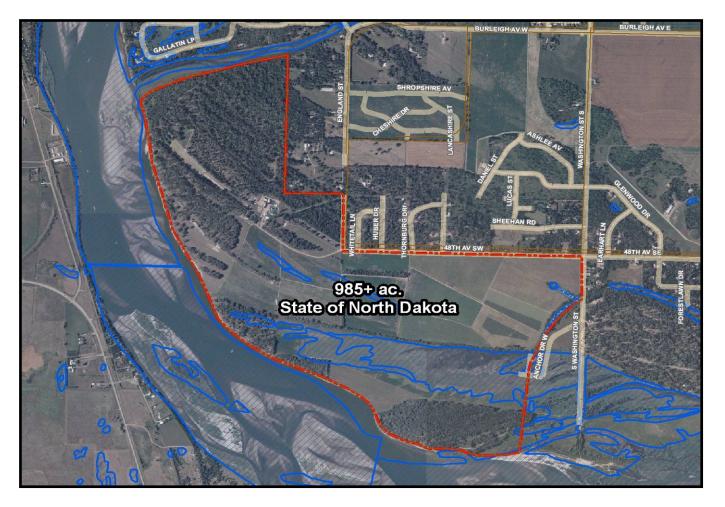






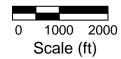


### **MRCC Site Wetlands**





LEGEND	
<b>-</b> · · -	Boundary
-	Streams
	Wetlands

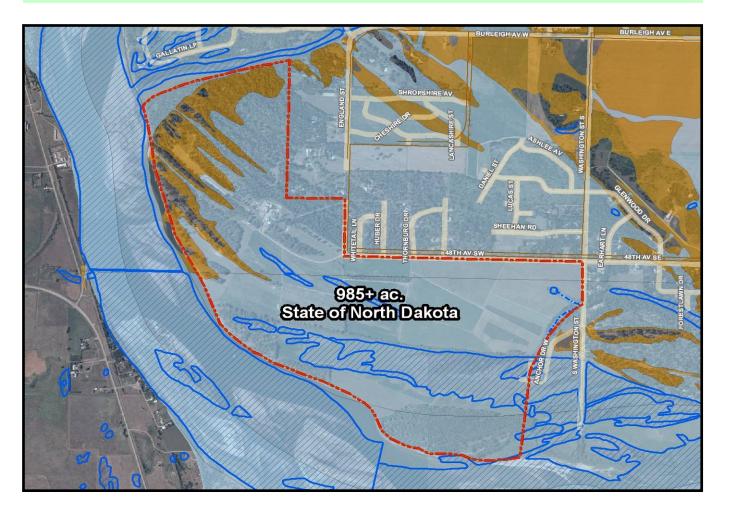








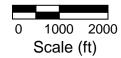
# **MRCC Site Floodplain**





Ν	or	tŀ
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LEGEND	
<b>-</b> · · <b>-</b>	Boundary
-	Streams
	Wetlands
	100-year Floodplain
	500-year Floodplain

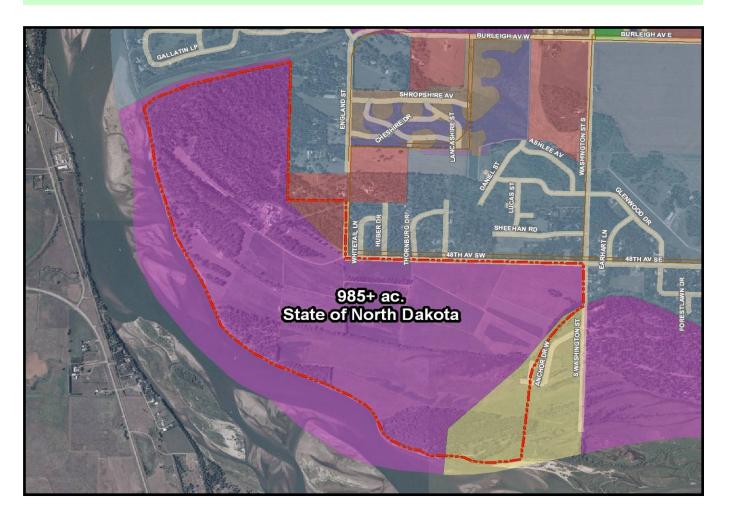








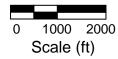
## **MRCC Site Zoning**





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LEGEND	
<b>-</b> · · <b>-</b>	Boundary
-	Streams
	P Public Use
	A Agricultural
	RS Single Family Residential

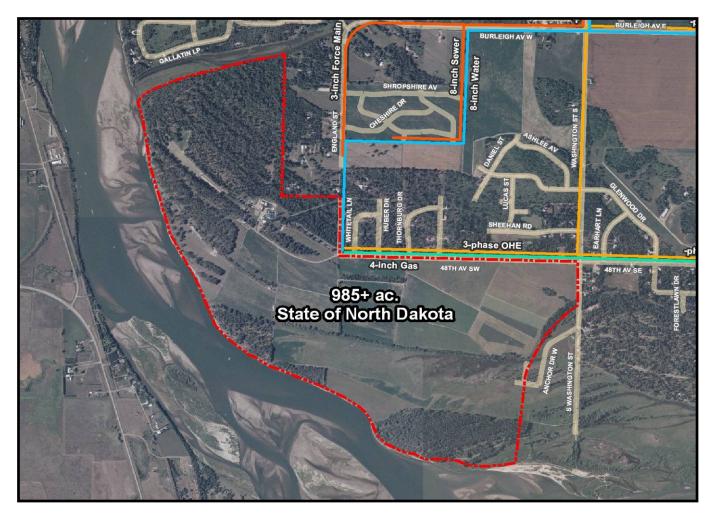






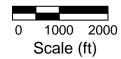


#### **MRCC Site Utilities**





LEGEND	
<b>-</b> ··-	Boundary
	Water
	Sewer
	Electric
	Natural Gas









### **MRCC Site Photos**





Photo 3: MRCC open land looking along driveway



Photo 4: MRCC open land looking toward facility





#### **Landfill Site**



Ownership - City of Bismarck

ZoningZone "P" – Public Use

Acreage - 200.0 acres

Current Use
Vacant, agriculture

Existing Environmental - Drainage Course, freshwater wetlands
Constraints

Wetlands
21.5 acres (wetlands)

Utilities

Water - City of Bismarck, 12" line 2,500 feet from site

Sewer - City of Bismarck 18" sewer 4,000 feet from site

Electric - Montana-Dakota Utilities Co., 3-phase circuit,

1,000 feet from site

Natural Gas - Montana-Dakota Utilities Co., 4-inch intermediate pressure 1,000 feet from site





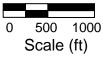
### **Landfill Site Boundary**





**LEGEND** 

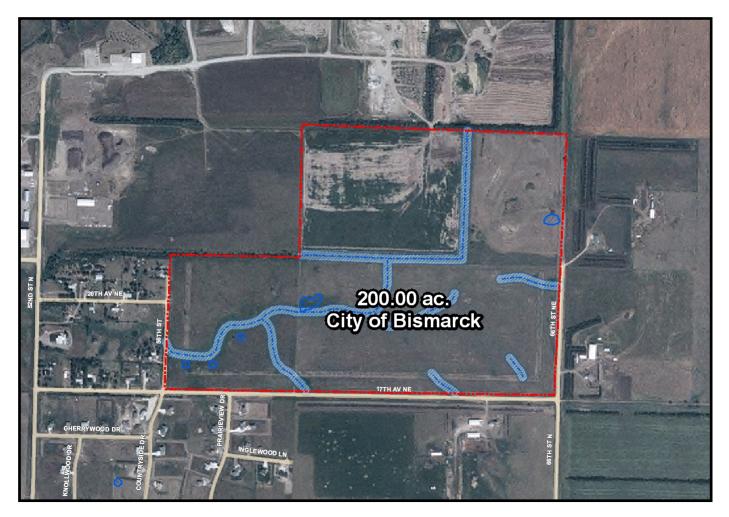
- Boundary





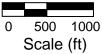


#### **Landfill Site Wetlands**





LEGEND	
	Boundary
i	Streams
	Wetlands

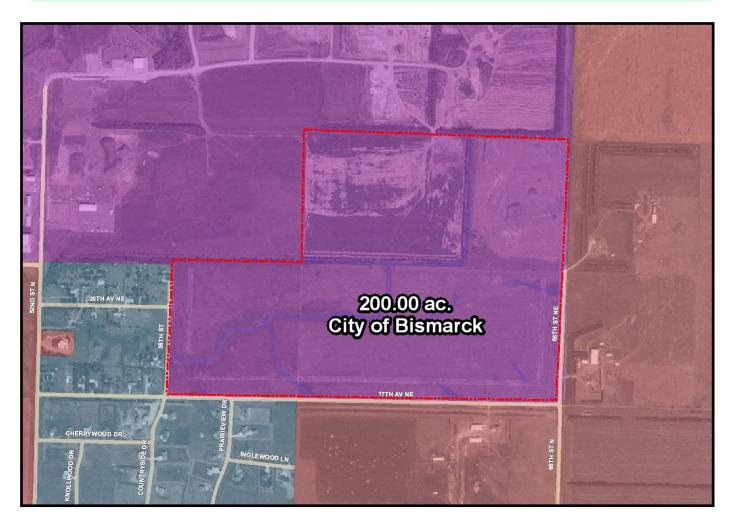






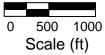


## **Landfill Site Zoning**





LEGEND		
<b>-··-</b>	Boundary	
-	Streams	
	P Public Use	
	A Agricultural	
	RS Single Family Residential	

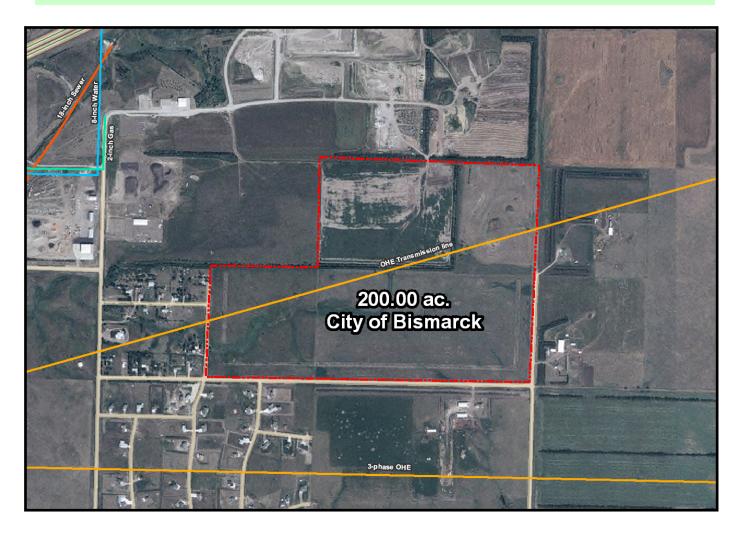








#### **Landfill Site Utilities**





LEGEND		
	Boundary	
	Water	
	Sewer	
	Electric	
	Natural Gas	







### **Landfill Site Photos**





Photo 5: Landfill Site open space looking northwest from 17<sup>th</sup> Avenue NE



Photo 6: Landfill Site open space looking southwest toward Countryside Estates subdivision







### **Airport Site**



Ownership - City of Bismarck

Zoning
Zone "P" – Public Use

Acreage - 308.4 acres

Current Use - Vacant, agriculture, sludge disposal

Existing Environmental - Apple Creek 100-year floodplain, freshwater wetlands
Constraints

• Wetlands & Floodplains - 17.6 acres (wetlands), 62.6 acres (floodplain)

Utilities

Water - City of Bismarck, 24" line in Airway Avenue

Sewer - City of Bismarck 10" sewer 3,000 feet from site

Electric - Montana-Dakota Utilities Co., 3-phase 12,470 KV

circuit, adjacent to site in 48th street

Natural Gas - Montana-Dakota Utilities Co., 6-inch intermediate pressure (80 psi) in 48<sup>th</sup> St. 1,000 feet from site

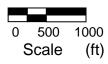




### **Airport Site Boundary**







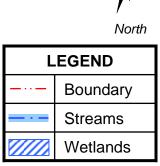






### **Airport Site Wetlands**













### **Airport Site Floodplain**





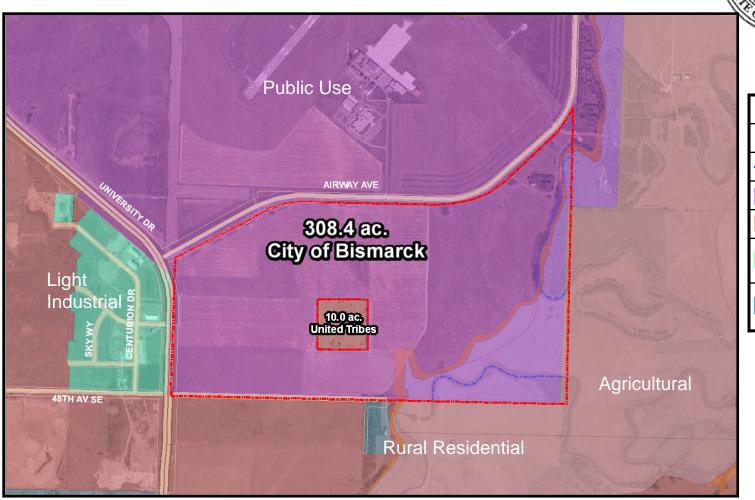


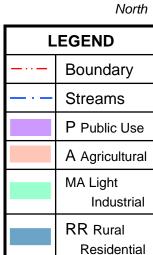


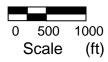




### **Airport Site Zoning**













### **Airport Site Utilities**













## **Airport Site Photos**





Photo 7: Airport Site open space looking southeast from Airway Avenue



Photo 8: Airport Site open space adjacent to Apple Creek looking south





### **Sunny Farm Site**



Ownership - State of North Dakota

Zoning - Zone "P" – Public Use

Acreage - 1,419.37 acres

Current Use
Vacant, agriculture, grave pit/quarry operation

Existing Environmental - Drainage courses, freshwater wetlands
Constraints

• Wetlands & Floodplains - 110 acres (wetlands), 108 acres (floodplain)

Utilities

Water - City of Mandan, 12" line 13,000 feet from site

Sewer - City of Bismarck 10" sewer 14,000 feet from site

Electric - Montana-Dakota Utilities Co., 3-phase 12,470 KV

circuit, In Old Highway 10, 5,000 ft. from site

Natural Gas - Montana-Dakota Utilities Co., 3-inch intermediate pressure (80 psi) 5,000 ft. from site

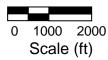




### **Sunny Farm Site Boundary**











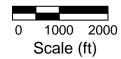


### **Sunny Farm Site Wetlands**





LEGEND		
<b>-</b> : -	Boundary	
i	Streams	
	Wetlands	

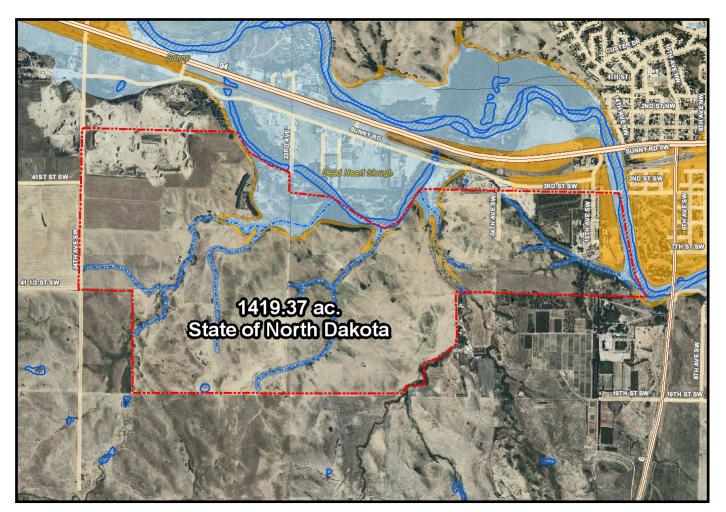






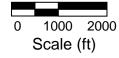


## **Sunny Farm Site Floodplain**





LEGEND		
	Boundary	
i	Streams	
	Wetlands	
	100-year Floodplain	
	500-year Floodplain	

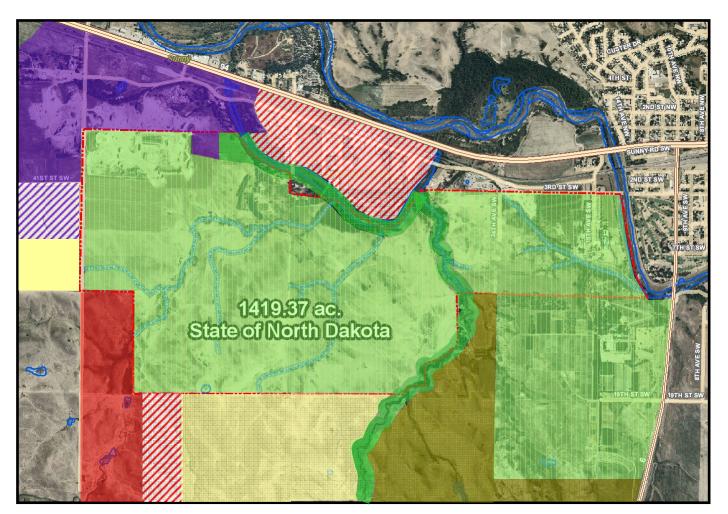






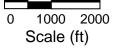


## **Sunny Farm Site Zoning**





L	LEGEND	
	Boundary	
	Streams	
	Public Use	
	Agricultural	
	Industrial	
<i>'////</i> .	Mixed Use Commercial/ Industrial	
	General Commercial	
<i>'/////</i>	Mixed Use Commercial/ Residential	
	Urban Residential	

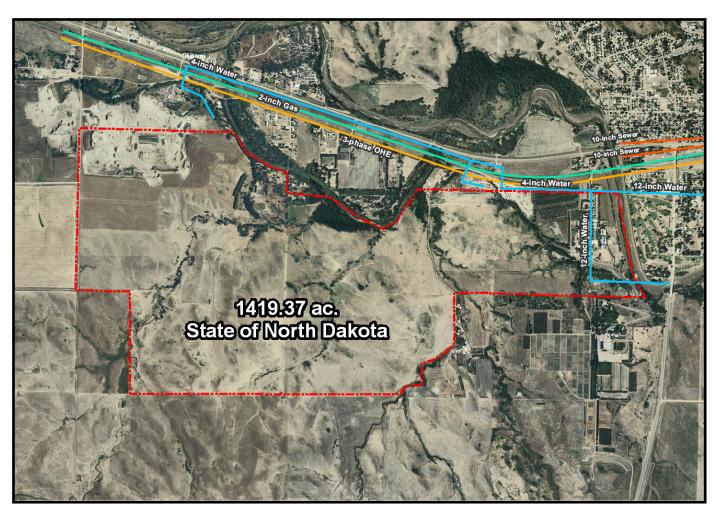






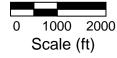


### **Sunny Farm Site Utilities**





LEGEND		
	Boundary	
	Water	
	Sewer	
	Electric	
	Natural Gas	









# **Sunny Farm Site Photos**





Photo 10: Sunny Farm site, typical low lying area, possible wetland





#### **Cultural Resources**



- What are Cultural Resources?
- Why do we need to know if the proposed sites have Cultural Resources?
- How do we assess potential for significant resources at our project sites?
  - Records Search (NRHP, State Registry, NDCRS)
  - Consultation with Knowledgeable Parties (SHPO, Tribes, Historic Preservation Organizations)
  - Preliminary Field Inspections







### **Upcoming Tasks**



- Document Program Needs and Determine Space Requirements
- Match Inmate Custody Levels with Security Levels of Beds
- Complete Assessment of Current Staffing

### **Next Meeting**

Shortfall Report - What is v. What's needed.









## **Questions**





