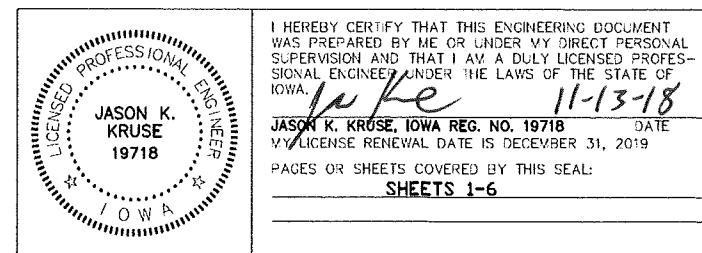
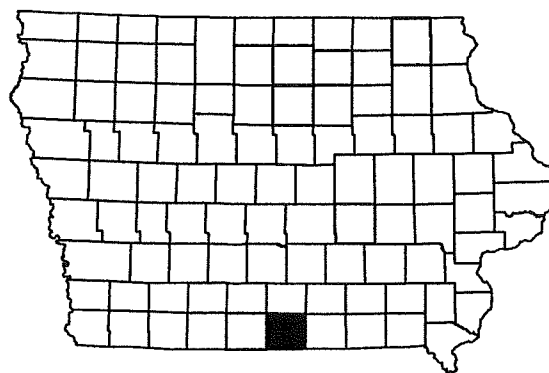


CONSTRUCTION DOCUMENTS FOR NINE EAGLES STATE PARK WATER SYSTEM IMPROVEMENTS DECATUR COUNTY, IOWA

IOWA
ONE CALL
1-800-292-8989



DIRECTORY			
PROJECT MANAGER		CONSTRUCTION INSPECTOR	
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES
ADDRESS	806 E. TRAIL RIDGE PLACE	ADDRESS	806 E. TRAIL RIDGE PLACE
CITY, STATE, ZIP	INDIANOLA, IA 50125	CITY, STATE, ZIP	INDIANOLA, IA 50125
CONTACT	JASON KRUSE	CONTACT	JASON KRUSE
TELEPHONE	515-250-3707	TELEPHONE	515-250-3707
FAX		FAX	
EMAIL	jason.kruse@dnr.iowa.gov	EMAIL	jason.kruse@dnr.iowa.gov

THIS PROJECT CONSISTS OF REPLACEMENT OF UNDERGROUND WATER LINES AT NINE EAGLES STATE PARK IN DECATUR COUNTY, IOWA.

AUTHORIZATION TO BID

[Signature] 11/14/10

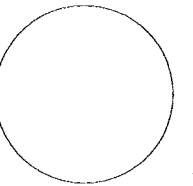
AUTHORIZATION - PARKS | WILDLIFE | FISHERIES | LAW ENFORCEMENT | FORESTRY DATE

[Signature] 11/14/10

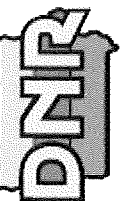
ENGINEERING BUREAU CHIEF DATE

1	COVER SHEET
2	VICINITY MAPS
3	QUANTITIES & GENERAL NOTES
4	OVERALL PLAN
5	NORTH BRANCH
6	SOUTH BRANCH

CONSULTANT:

IOWA DEPARTMENT OF
NATURAL RESOURCES

502 E. 9TH ST., DES MOINES, IA 50319-0034



COVER SHEET

WATER SYSTEM IMPROVEMENTS FOR:

NINE EAGLES STATE PARK

HAARLEM, N.Y.

O.	BY	REVISION
	DATE	
DRAWN BY:		PROJECT NUMBER:
		19-05-27
CHECK BY:		DATE:
		11/01/201
SHEET No.:		

This is a detailed road map of Decatur County, Georgia. The map shows a network of roads, including major highways like US-69 and US-35. Key cities and towns are labeled, such as Decatur City, Davis City, Lamoni, and Pleasanton. The map also shows the locations of the Anderson, Decatur, and Harrison counties. The map is color-coded with red for major roads, blue for water bodies, and green for parks. A black arrow points to a specific location in the southeastern part of the county.

ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



WATER SYSTEM IMPROVEMENTS FOR:

DECATUR COUNTY, IOWA

NO.	BY DATE	REVISION
DRAWN BY:		PROJECT NUMBER:
		19-05-27-02
CHK'D BY:	DATE:	
	11/01/2018	
SHEET No:		

ESTIMATED PROJECT QUANTITIES			
ITEM NO.	ITEM	UNIT	QUANTITY
1	2" Polyethylene Pipe, Class 200, AWWA C901	LF	5725
2	2" Ball Valve & Box	Ea	2
3	Reinstall Blow Off Hydrant	Ea	1
4	Connections, Caps, etc.	LS	1
5	Disinfection, Flushing, Testing	LS	1
6	Site Restoration & Seeding	LS	1
7	Mobilization	LS	1
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ESTIMATE REFERENCE INFORMATION	
ITEM NO.	DESCRIPTION
1	2" Polyethylene Pipe, Class 200, AWWA C901 A. Item includes trenching, thrust blocks as needed, and tracer wire system. B. Tracer wire shall be #12 awg copper. Install tracer wire stations every 500' per SUDAS figure 5010.102. Install ground rods halfway between each station.
2	2" Ball Valve & Box A. Use Mueller E-25142N or approved equal. Include curb box.
3	Reinstall Blow Off Hydrant A. Remove existing blow off hydrant near cabin to allow connection of new to old water main. Install a tee and reinstall blow off hydrant. Install tracer wire station at this location.
4	Connections, Caps, etc. A. This item includes locating, excavating and connecting to existing water main, and locating and capping lines to be abandoned.
5	Disinfection, Flushing, Testing A. This item includes chlorination according to SUDAS for disinfection, pressure testing, flushing lines, and collecting samples to be tested by the county health department.
6	Site Restoration & Seeding A. Contractor shall seed, fertilize, and mulch all disturbed areas with type 1 permanent lawn mixture.
7	Mobilization A. Movement of personnel, equipment, supplies and incidentals B. Bonding, permit, and demobilization costs

GENERAL NOTES

1. TWO WEEKS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY:
A. DISTRICT ENGINEER: JASON KRUSE 515-250-3707
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATEWIDE URBAN STANDARD DESIGN SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (SUDAS). ALL PRESSURE TESTING TO BE IN ACCORDANCE WITH SUDAS AND IS THE EXPENSE OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ABOVE MENTIONED CONTACTS OF ANY DISCREPANCIES.
4. THE LOCATIONS AND DIMENSIONS SHOWN ON THE PLANS FOR EXISTING FACILITIES ARE IN ACCORDANCE WITH AVAILABLE INFORMATION WITHOUT UNCOVERING AND MEASURING. THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OF THIS INFORMATION OR THAT ALL EXISTING UNDERGROUND FACILITIES ARE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL PUBLIC AND/OR PRIVATE UTILITIES SERVING THE AREA TO DETERMINE THE PRESENT EXTENT AND LOCATION OF THEIR FACILITIES BEFORE BEGINNING WORK.
5. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROPER UTILITY IMMEDIATELY UPON BREAKING OR DAMAGE TO ANY UTILITY LINE OR APPURTENANCE, OR THE INTERRUPTION OF THEIR SERVICE. HE SHALL NOTIFY THE PROPER UTILITY INVOLVED. IF EXISTING UTILITY LINES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED.
6. CONTRACTOR TO PROTECT ALL UTILITY, PAVING, BUILDINGS, ETC. OUTSIDE OF LIMITS OF PROPOSED CONSTRUCTION.
7. PROTECT EXISTING TREES AND VEGETATION OUTSIDE OF CONSTRUCTION AREAS.
8. PIPE BENDS ARE CONSIDERED INCIDENTAL. NO BENDS EXCEEDING 45° WILL BE ALLOWED.
9. PROVIDE THRUST BLOCKS AT ALL ABRUPT CHANGES IN DIRECTION (INCIDENTAL)
10. ALL WATER MAIN SHALL BE INSTALLED PER IOWA SUDAS SPECIFICATIONS.



ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



WATER SYSTEM IMPROVEMENTS FOR:

NINE EAGLES STATE PARK

DECATUR COUNTY, ILWA

NO.	BY DATE	REVISION
DRAWN BY:	PROJECT NUMBER: 19-05-27-02	
CHKD BY:	DATE: 11/01/2018	
SHEET No:		

