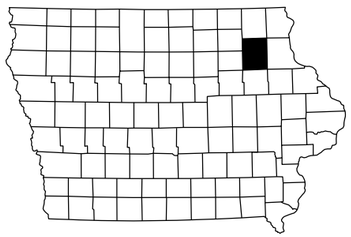
IOWA DEPARTMENT OF NATURAL RESOURCES

CONSTRUCTION DOCUMENTS
FOR
VOLGA RIVER STATE RECREATION AREA
ROCK DAMS

FAYETTE COUNTY, IOWA

PROJECT # 18-03-33-03



IOWA ONE CALL

DIRECTORY

PROJECT MANAGER		CONSTRUCTION INSPECTOR	
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES
ADDRESS	6200 PARK AVENUE	ADDRESS	
CITY,STATE,ZIP	DES MOINES, IA, 50321	CITY,STATE,ZIP	
CONTACT	HEATH DELZELL	CONTACT	KEN HOWE
TELEPHONE	515-979-0104	TELEPHONE	319-240-3553
FAX	515-281-8685	FAX	
EMAIL	heath.delzell@dnr.iowa.gov	EMAIL	kenneth.howe@dnr.iowa.gov

PROJECT DESCRIPTION

This project consists of constructing two rock dams in Volga River State Recreation Area

SHEET INDEX

A.01	COVER SHEET
A.02	LOCATION MAP
B.01	TYPICAL CROSS SECTIONS AND DETAILS
B.02	TYPICAL CROSS SECTIONS AND DETAILS
C.01	QUANTITIES AND GENERAL INFORMATION
D.01	SITE LOCATION AND ACCESS

CONSULTANT:

IOWA DEPARTMENT OF NATURAL RESOURCES

ENGINEERING SERVICES
6200 PARK AVE., DES MOINES, IA 50321

IOWA DNR

COVER SHEET

ROCK CHECK DAMS FOR:
VOLGA RIVER SRA

FAYETTE COUNTY

NO	BY / DATE	REVISION

DRAWN BY:

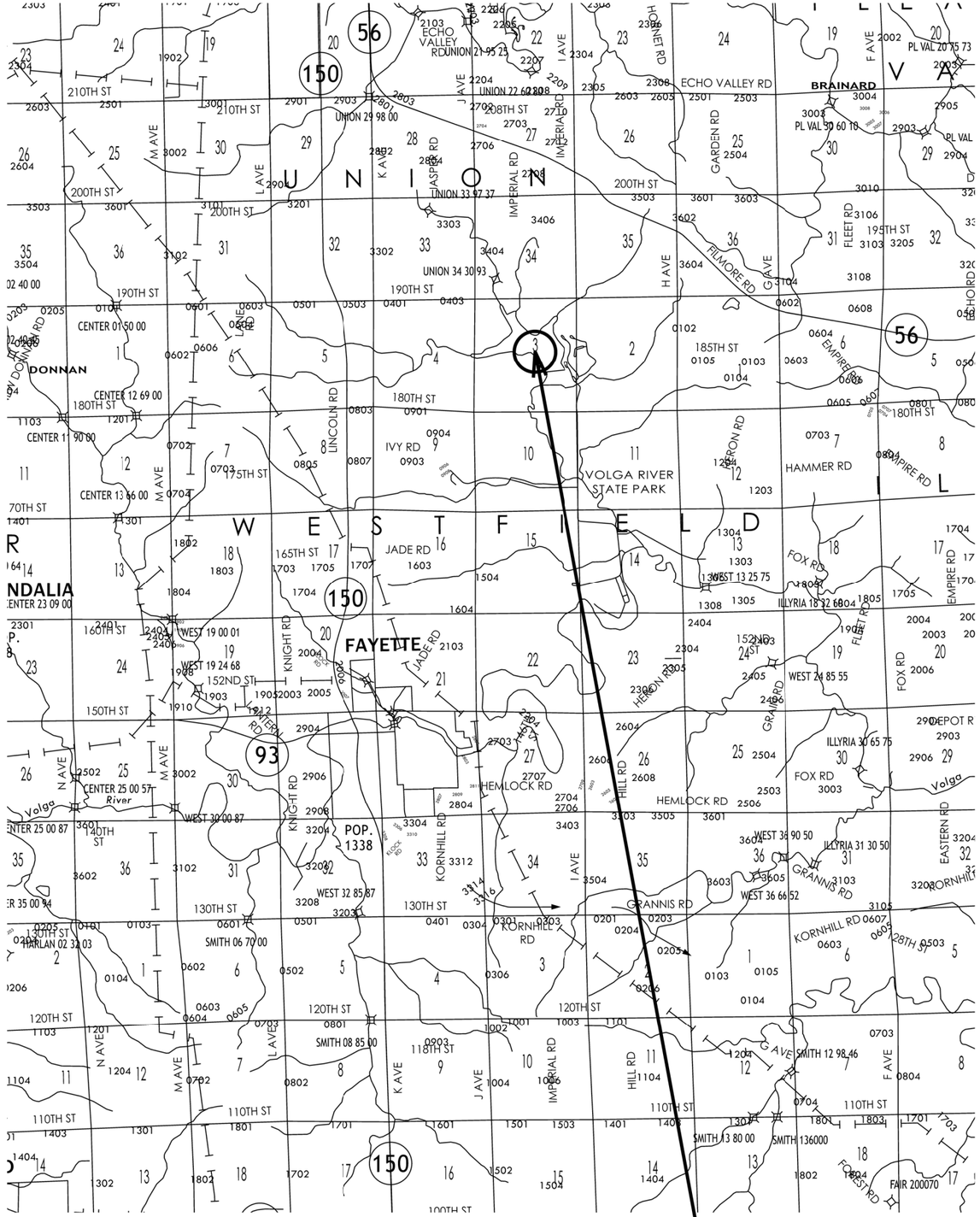
PROJECT NUMBER:
18-03-33-03

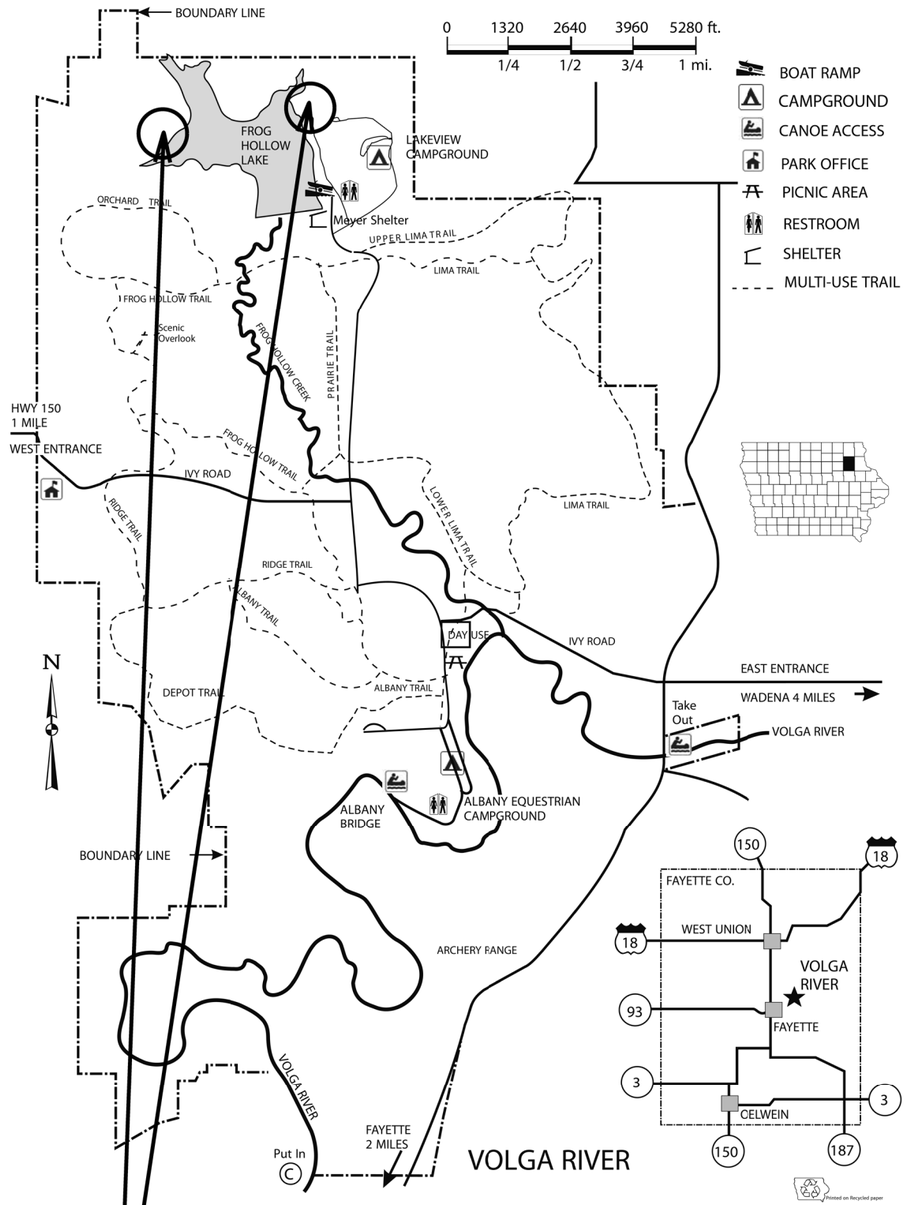
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DATE:

SHEET No:

A.01





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PROJECT LOCATION MAP

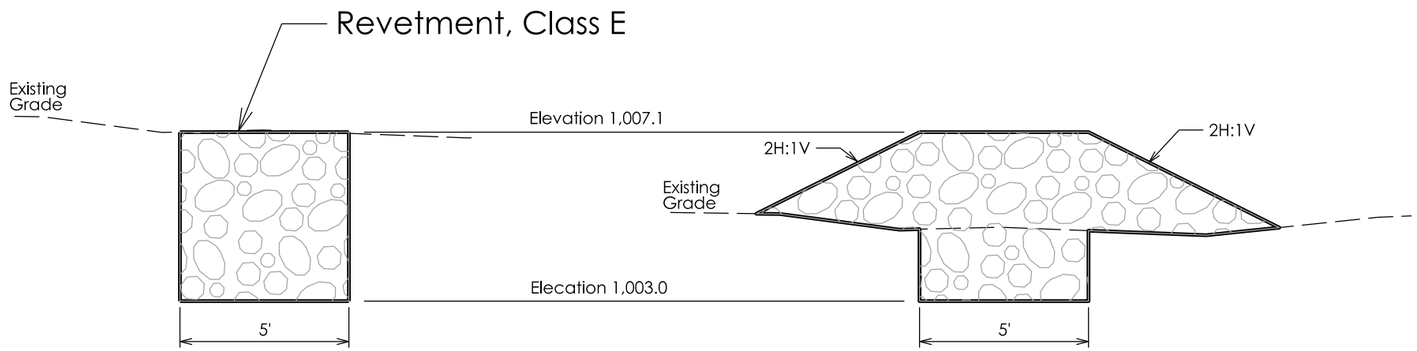
ROCK CHECK DAMS FOR:
VOLGA RIVER SRA

FAYETTE COUNTY

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PROJECT NUMBER: 18-03-33-03
CHK'D BY:
DATE:

SHEET No:
A.02



Check Dam Detail - Site 1

not to scale

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TYPICAL CROSS SECTIONS AND DETAILS

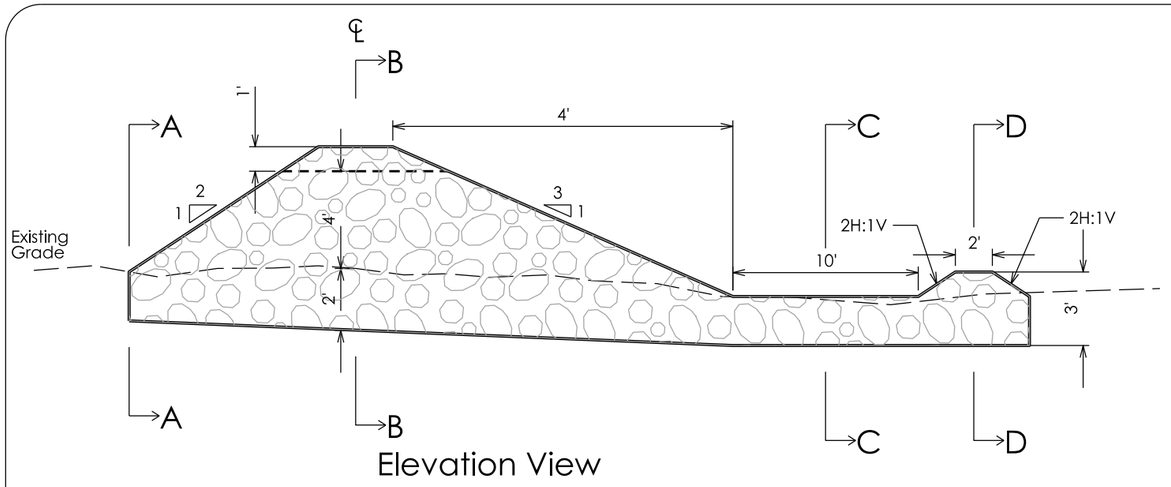
ROCK CHECK DAMS FOR:
VOLGA RIVER SRA

FAYETTE COUNTY

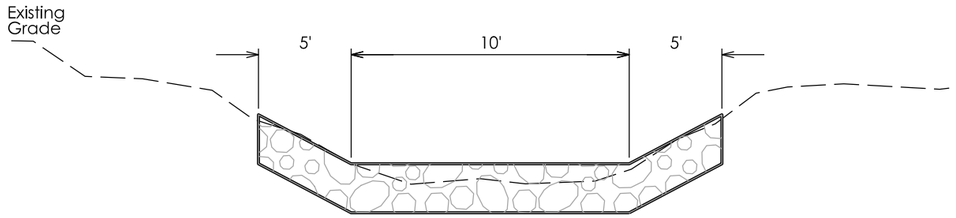
NO	BY / DATE	REVISION

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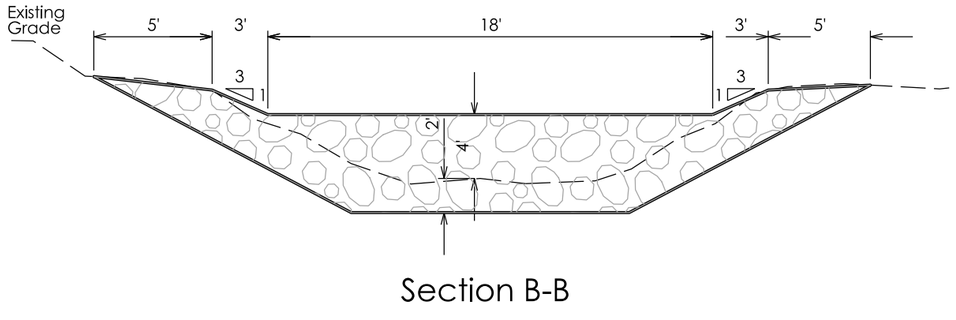
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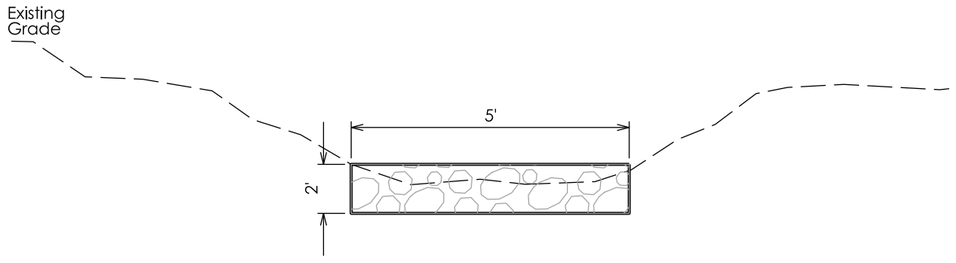
Elevation View



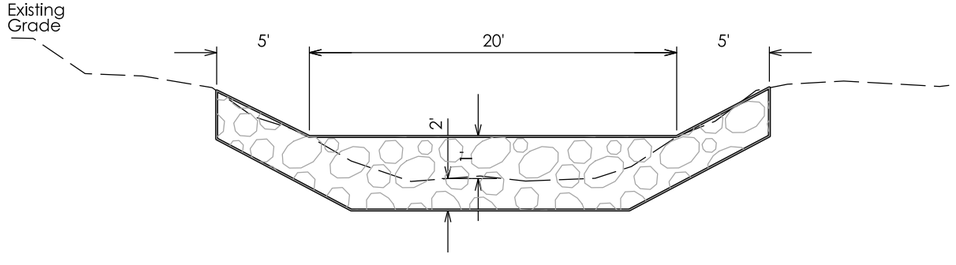
Section A-A



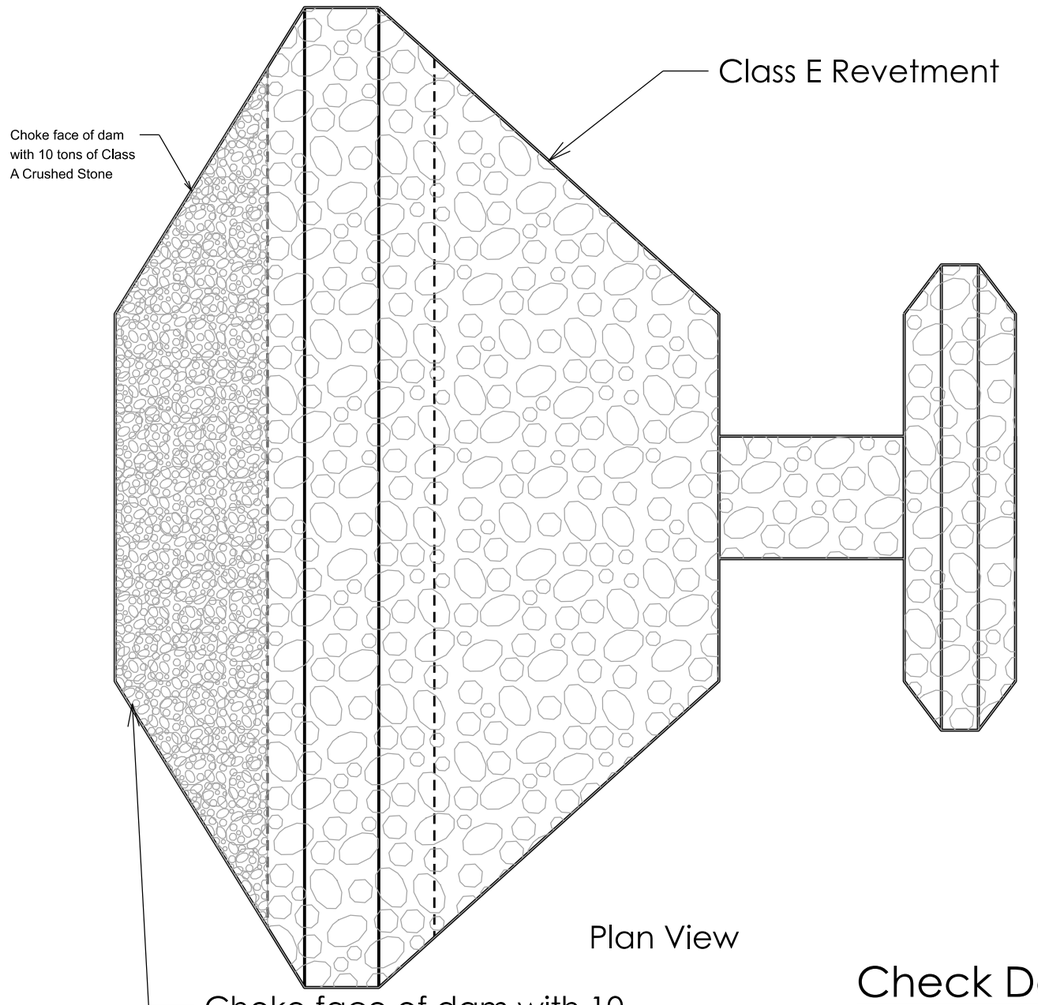
Section B-B



Section C-C



Section D-D



Plan View

Check Dam Detail - Site 2

not to scale

CONSULTANT:

IOWA DEPARTMENT OF NATURAL RESOURCES

ENGINEERING SERVICES
6200 PARK AVE., DES MOINES, IA 50321

TYPICAL CROSS SECTIONS AND DETAILS

ROCK CHECK DAMS FOR:
VOLGA RIVER SRA

FAYETTE COUNTY

NO.	BY DATE	REVISION

DRAWN BY:
PROJECT NUMBER: 18-03-33-03
CHK'D BY:
DATE:
SHEET No: **B.02**

ESTIMATED PROJECT QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
1	Mobilization	LS	1
2	Access Clearing and Trimming	LS	1
3	Site Restoration	LS	1
4	Revetment, Class E	Tons	400
5	Class A Crushed Stone	Tons	10
6	Excavation, Class 10	CY	121

ESTIMATE REFERENCE INFORMATION

ITEM NO.	DESCRIPTION
2	A. Brush clearing, tree trimming, and some tree removal will be required to access both sites. Contractor is responsible for disposal off site. B. Any trees with trunks larger than 4 inches in diameter are to be removed prior to April 1st.
3	A. Site restoration consists repairing ruts caused by construction, seed bed preparation, seeding, fertilizing, and mulching using Iowa DOT Permanent Rural mix.
4	A. Estimated revetment quantity for Site 1 - 122 tons B. Estimated revetment quantity for Site 2 - 278 tons
5	A. Material for choking the face of the rock check dam at Site 2
6	A. Estimated excavation quantity for Site 1 - 56 CY B. Estimated excavation quantity for Site 2 - 65 CY

GENERAL NOTES

Verify actual locations and elevations with DNR Engineer.

All work shall conform to and be performed in accordance with all applicable codes and ordinances.

The contractor shall visit the site and inspect the project area and thoroughly familiarize themselves with the actual job conditions prior to bidding and the start of work. Failure to visit the project site shall not relieve the contractor from performing the work in accordance to the plans, specification, special provisions and contract.

The contractor shall verify, at the site, all dimensions and conditions shown on the plans and shall notify the DNR Engineer of any discrepancies, omissions, and/or conflicts prior to proceeding with the work.

It shall be the contractor's responsibility to provide waste areas or disposal sites for excess material (excavated material or broken concrete) which is not desirable to be incorporated into the work involved on this project. No payment for overhaul will be allowed for material hauled to these sites. No material shall be placed within the right-of-way, unless specifically stated in the plans or approved by the DNR Engineer.

The contractor shall not disturb desirable grass areas and desirable trees outside the construction limits. The contractor will not be permitted to park or service vehicles and equipment or use these areas for storage of materials. Storage, parking and service areas will be subject to the approval of the DNR Engineer.

Where utilities and fixtures are shown as Existing on the plans or encountered within the construction area, it shall be the responsibility of the contractor to notify the DNR Engineer of those utilities prior to the beginning of any construction. The contractor shall be afforded access to these facilities for necessary modification of services. Underground facilities, structures and utilities have been plotted from available surveys and records and therefore their locations must be considered approximate only. It is possible there may be others, the existence of which is presently not known or shown. It is the contractor's responsibility to determine their existence and exact location and to avoid damage thereto. No claims for additional compensation will be allowed to the contractor for any interference or delay caused by such work.

The contractor shall shape graded area to maintain surface drainage. All elevations are to finish grade.

The contractor is expected to have materials, equipment, and labor available on a daily basis to install and maintain erosion control features on the project. This may involve seeding, silt fence, rock ditch checks, silt basins or silt dikes.

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QUANTITIES AND GENERAL INFORMATION

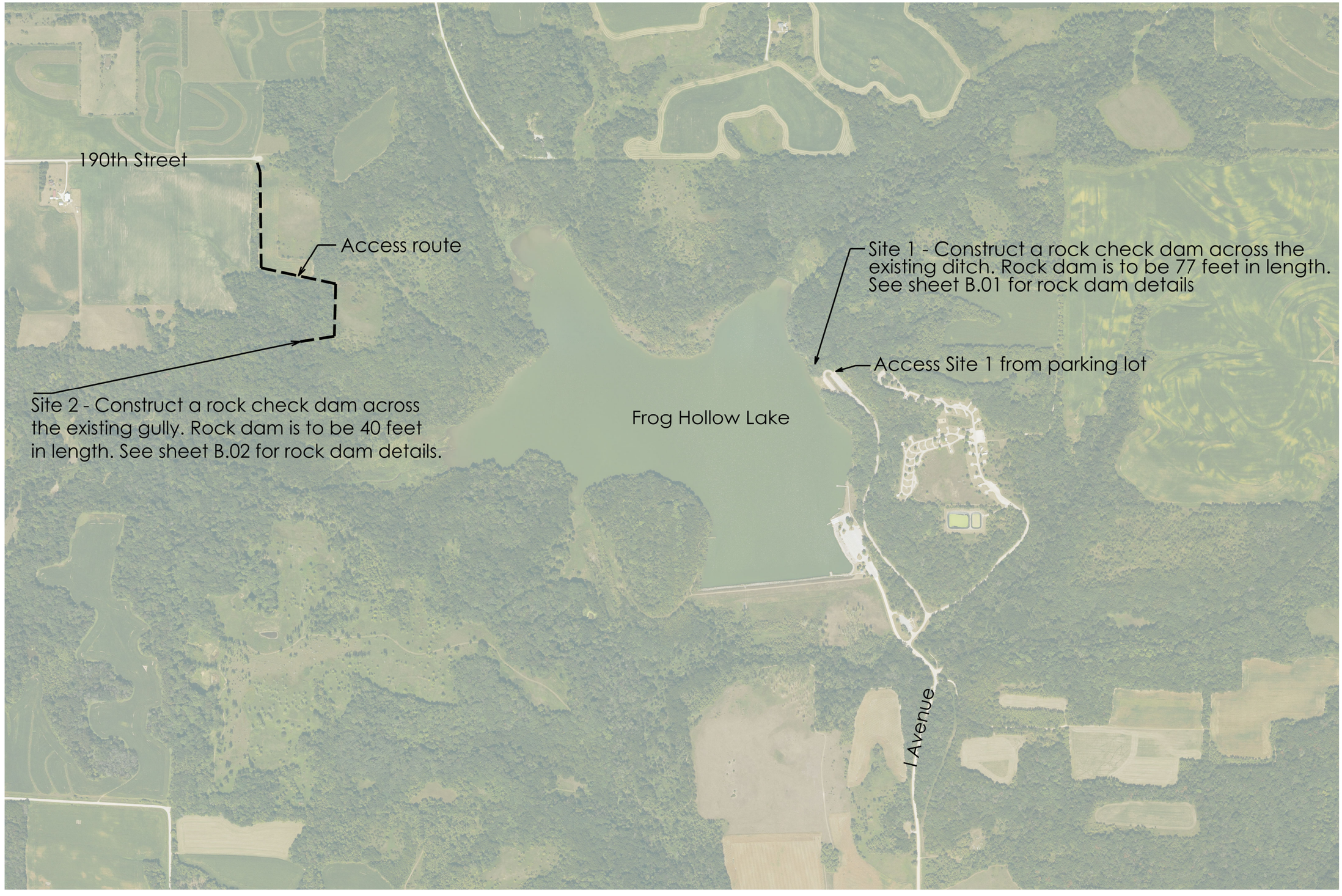
ROCK CHECK DAMS FOR:
VOLGA RIVER SRA

FAYETTE COUNTY

NO.	BY / DATE	REVISION

DRAWN BY:
PROJECT NUMBER: 18-03-33-03
CHK'D BY:
DATE:

SHEET No:
C.01



CONSULTANT:

IOWA DEPARTMENT OF NATURAL RESOURCES

ENGINEERING SERVICES
6200 PARK AVE., DES MOINES, IA 50321

Site Locations and Access

ROCK CHECK DAMS FOR:
VOLGA RIVER SRA

FAYETTE COUNTY

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CHK'D BY:
DATE:

SHEET No: **D.01**