IOWA DEPARTMENT OF NATURAL RESOURCES

CONSTRUCTION DOCUMENTS FOR LAKE MACBRIDE STATE PARK SHORELINE ARMORING

JOHNSON COUNTY, IOWA

PROJECT # 15-06-52-02

LICENSED PROFESSIONAL ENGINEER
HEATH B. DELZELL
21074
IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED UNDER MY SUPERVISION AND THAT ENGINEERING DECISIONS WITH REGARD TO THE DESIGN WERE MADE BY ME UNDER THE LAWS OF THE STATE OF IOWA.

SIGNATURE DATE

HEATH B. DELZELL
PRINTED OR TYPED NAME

MY LICENCE RENEWAL DATE IS DECEMBER 31, 20 ____
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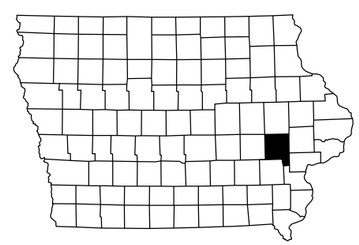

IOWA ONE CALL

DIRECTORY

PROJECT MANAGER		CONSTRUCTION INSPECTOR	
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES
ADDRESS	502 EAST 9TH STREET	ADDRESS	502 EAST 9TH STREET
CITY,STATE,ZIP	DES MOINES, IA, 50319	CITY,STATE,ZIP	DES MOINES, IA, 50319
CONTACT	HEATH DELZELL	CONTACT	HEATH DELZELL
TELEPHONE	515-979-0104	TELEPHONE	515-979-0104
FAX	515-281-8685	FAX	515-281-8685
EMAIL	heath.delzell@dnr.iowa.gov	EMAIL	heath.delzell@dnr.iowa.gov

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF REPAIRING 31 SEPARATE SHORELINE LOCATIONS.

AUTHORIZATION TO BID

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

ENGINEERING BUREAU CHIEF DATE

SHEET INDEX

A.01	COVER SHEET
A.02	LOCATION MAP
C.01	QUANTITIES AND GENERAL INFORMATION
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CONSULTANT:

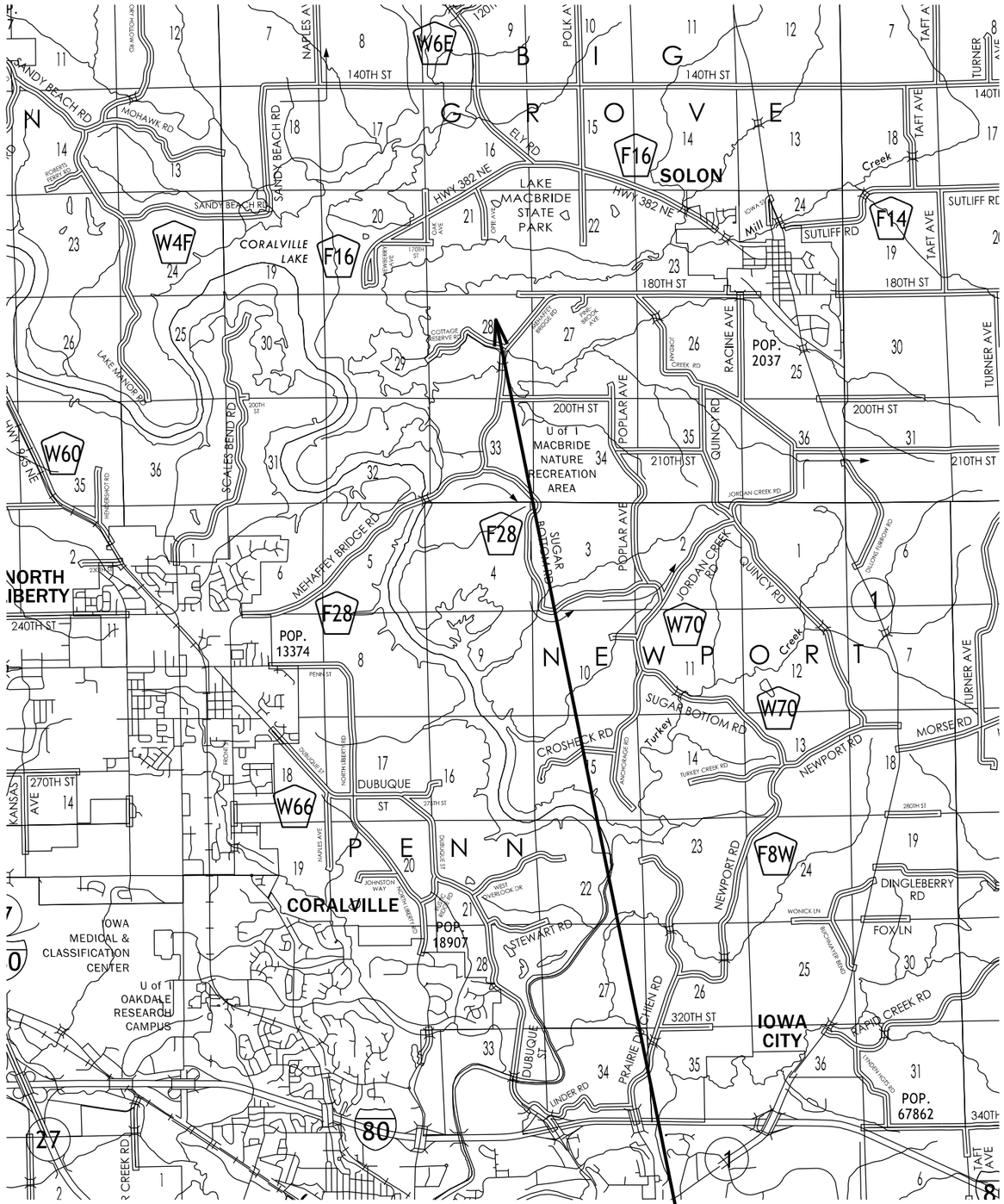
IOWA DEPARTMENT OF NATURAL RESOURCES
ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034

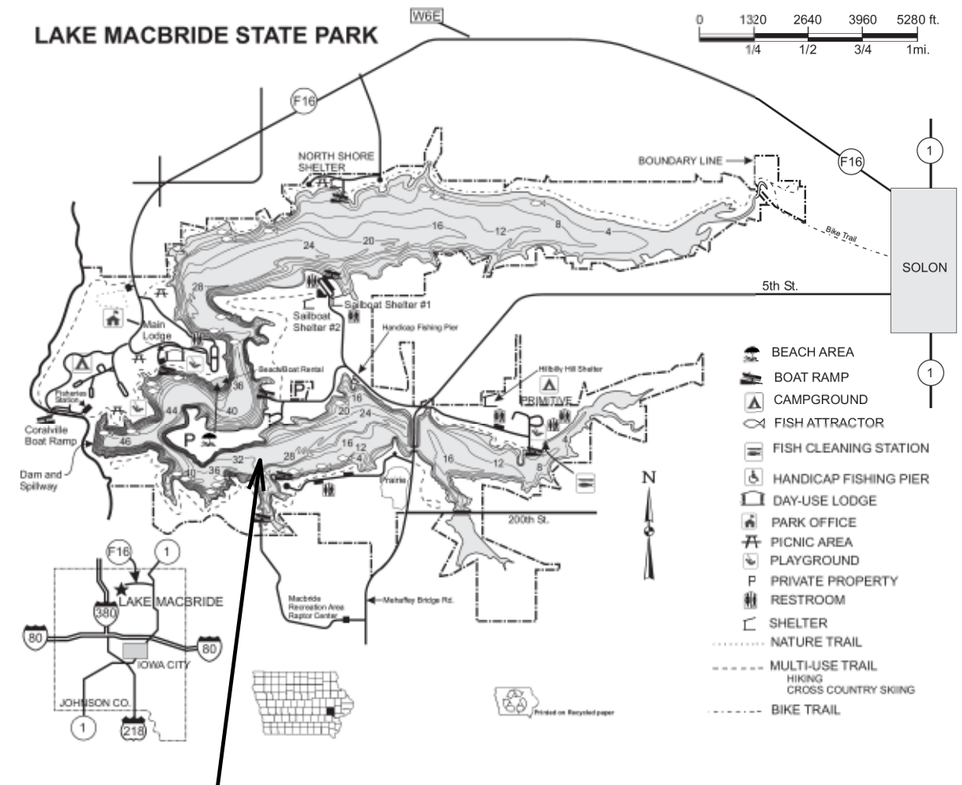
COVER SHEET

SHORELINE ARMORING FOR:
LAKE MACBRIDE STATE PARK
JOHNSON COUNTY

NO.	BY / DATE	REVISION

DRAWN BY: PROJECT NUMBER: 15-06-52-02
CHK'D BY: DATE:
SHEET No: A.01





PROJECT LOCATION

CONSULTANT:

IOWA DEPARTMENT OF NATURAL RESOURCES

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

PROJECT LOCATION MAP

SHORELINE ARMORING FOR:
LAKE MACBRIDE STATE PARK

JOHNSON COUNTY

NO:	BY: DATE	REVISION

DRAWN BY:
PROJECT NUMBER: 15-06-52-02
CHK'D BY:
DATE:
SHEET No: **A.02**

ESTIMATED PROJECT QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
1	Mobilization	Lump Sum	1
2	Class E Revetment	Tons	3792.5
3	Class A Crushed Stone	Tons	520
4	⅜" Minus Crushed Stone	Tons	385
5	Concrete Grout	CY	35

ESTIMATE REFERENCE INFORMATION

ITEM NO.	DESCRIPTION
2	A. Material for shoreline repair must be placed by barge.

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

SHORELINE ARMORING FOR:
LAKE MACBRIDE STATE PARK
JOHNSON COUNTY

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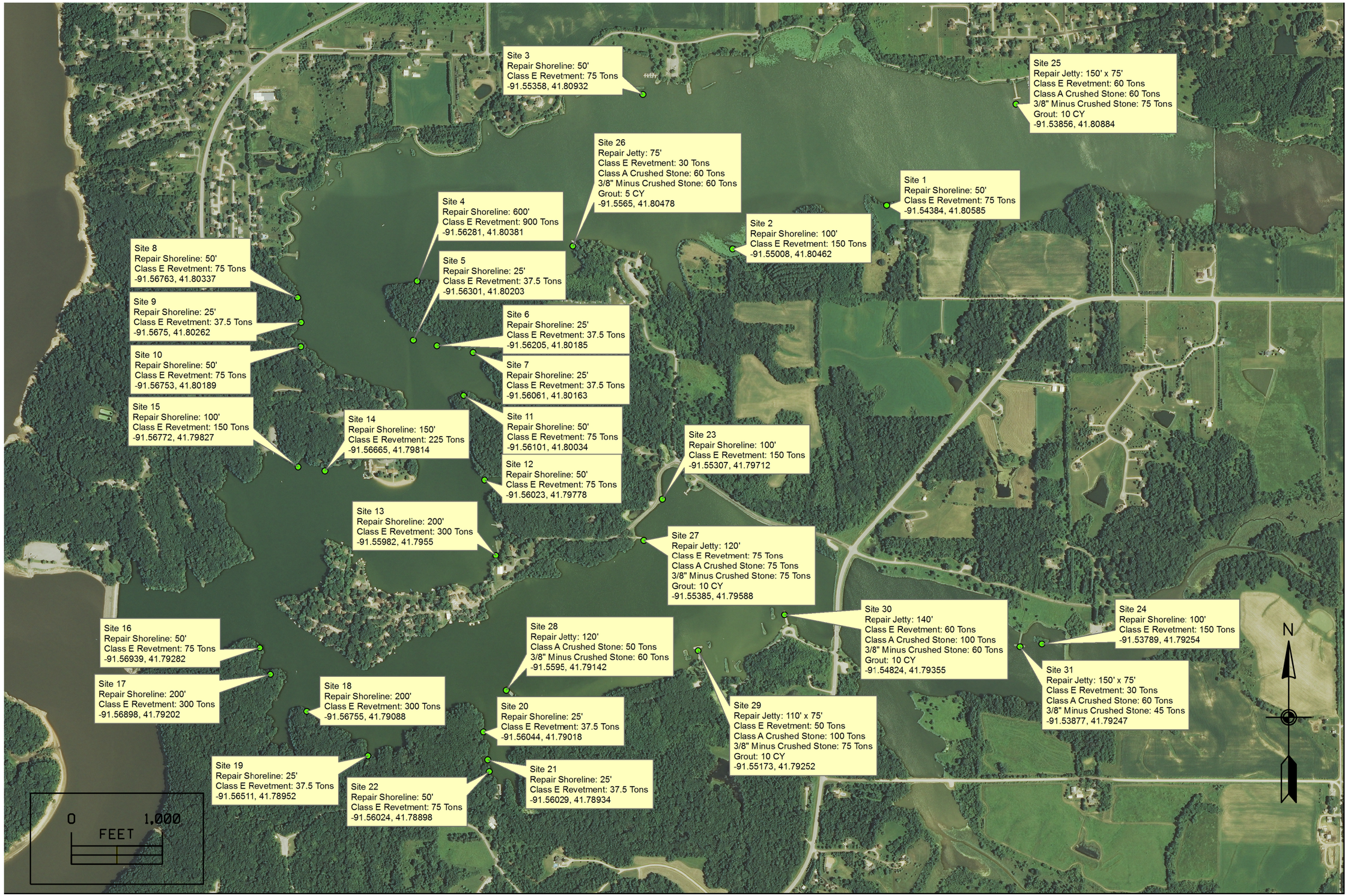

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502 E. 9TH ST., DES MOINES, IA 50319-0034

SITE PLAN

SHORELINE ARMORING FOR:

LAKE MACBRIDE STATE PARK

JOHNSON COUNTY

NO.	BY / DATE	REVISION

DRAWN BY:

PROJECT NUMBER: 15-06-52-02

CHK'D BY:

DATE:

SHEET No:

D.01