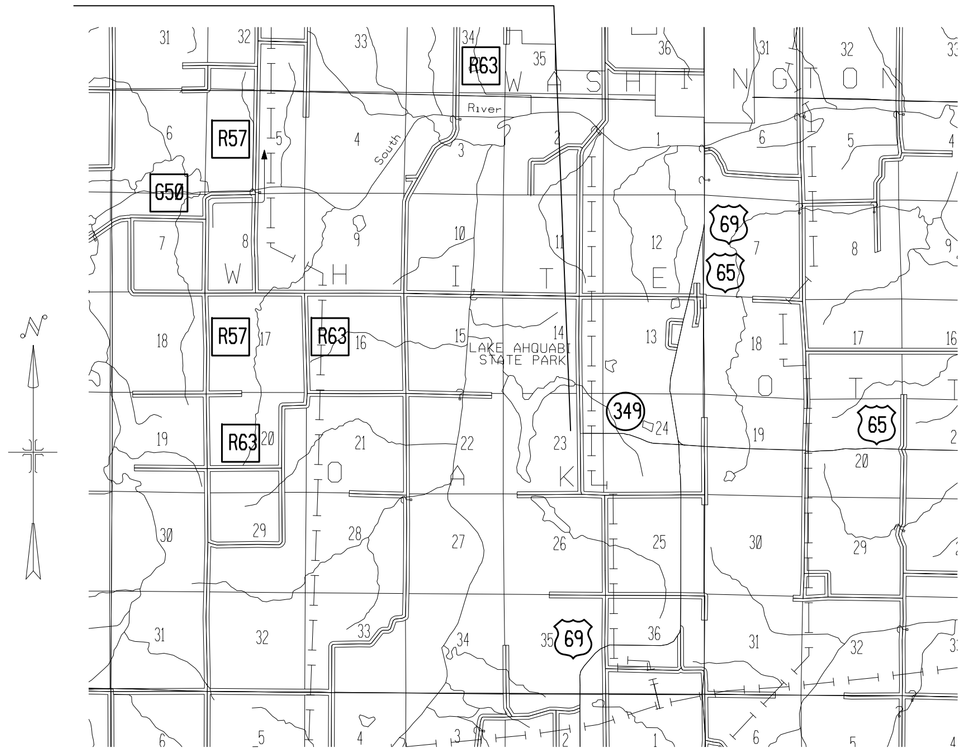
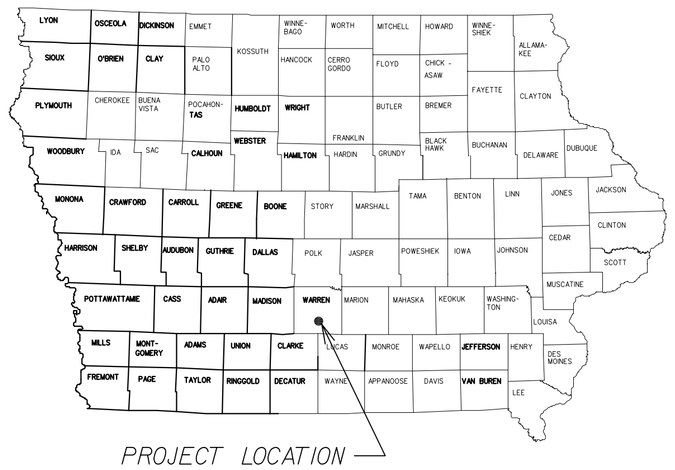
PROJECT LOCATION



VICINITY MAP



PROJECT LOCATION

LOCATION MAP

IOWA DEPARTMENT OF NATURAL RESOURCES

CONSTRUCTION DOCUMENTS

FOR

LAKE AHQUABI STATE PARK ENTRANCE PORTAL RESTORATION

WARREN COUNTY

PROJECT NO. 11-05-91-04

PLANS PREPARED BY

ENGINEERING BUREAU

MANAGEMENT SERVICES DIVISION

IOWA ONE CALL
800/292-8989
TOLL FREE
CALL - BEFORE - YOU DIG

DIRECTORY

OWNER		ARCHITECT	
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES
ADDRESS	502 E. 9TH. ST.	ADDRESS	502 E. 9TH. ST.
CITY,STATE,ZIP	DES MOINES, IA 50319	CITY,STATE,ZIP	DES MOINES, IA 50319
CONTACT	N/A	CONTACT	RYAN RICHEY
TELEPHONE	515.281.5918	TELEPHONE	515.281.8647
FAX	515.281.6794	FAX	515.281.8685
EMAIL	N/A	EMAIL	RYAN.RICHEY@DNR.IOWA.GOV
COMPANY	–	COMPANY	–
ADDRESS	–	ADDRESS	–
CITY,STATE,ZIP	–	CITY,STATE,ZIP	–
CONTACT	–	CONTACT	–
TELEPHONE	–	TELEPHONE	–
FAX	–	FAX	–
EMAIL	–	EMAIL	–
COMPANY	–	COMPANY	–
ADDRESS	–	ADDRESS	–
CITY,STATE,ZIP	–	CITY,STATE,ZIP	–
CONTACT	–	CONTACT	–
TELEPHONE	–	TELEPHONE	–
FAX	–	FAX	–
EMAIL	–	EMAIL	–
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CITY,STATE,ZIP	–	CITY,STATE,ZIP	–
CONTACT	–	CONTACT	–
TELEPHONE	–	TELEPHONE	–
FAX	–	FAX	–
EMAIL	–	EMAIL	–

PROJECT DATA	BUILDING DATA	BUILDING CODES

PROJECT DESCRIPTION

LAKE AHQUABI ENTRANCE PORTALS ARE HAND-LAID SANDSTONE HEAVY MASONRY MONUMENTS CREATED BY THE CIVILIAN CONSERVATION CORPS. THEY WERE ORGINALLY LAID WITH PORTLAND CEMENT MORTAR WHICH CREATED SIGNIFICANT DAMAGE TO THE STRUCTURE. THE DIFFERENCE IN COMPRESSIVE STRENGTH BETWEEN THE MORTAR AND SANDSTONE CAUSED DELAMINATION, SCALING AND INCREASED MOISTURE RETENTION IN THE STONE. THIS PROJECT WILL DISASSEMBLE THE CURRENT MONUMENT AND, USING THE ORIGINAL CCC DESIGN, RECONSTRUCT THE MONUMENT WITH MODERN TECHNIQUES UTILIZING REAL SANDSTONE VENEER BLOCKS, LIME-PUTTY MORTAR MIXED WITH SAND COLORED TO MATCH THE STONE, AND A MONOLITHIC LIMESTONE CAP. SALVAGABLE STONE WILL BE REUSED IN THE LOW WALL AND THE CAST CONCRETE PLAQUE SIGN WILL BE REFITTED TO THE MONUMENT AS SPECIFIED.

SHEET INDEX

SHEET. NO.	SHEET TITLE
	ARCHITECTURAL
A-001	COVER SHEET
A-002	NOTES AND SYMBOLS
A-100	MONUMENT PLAN, ELEVATION & DETAILS
A-101	HISTORIC MONUMENT PLAN, ELEVATION & DETAILS
A-102	PHOTOGRAPHS OF EXISTING MONUMENT SIGN
A-103	PHOTOGRAPHS OF EXISTING MONUMENT SIGN

CONSULTANT:

IOWA DEPARTMENT OF NATURAL RESOURCES
ENGINEERING SERVICES - WALLACE BUILING
502 E. 9TH ST., DES MOINES, IA 50319-0034
P: 515.281.5918
F: 515.281.8685

SHEET TITLE

MASONRY RESTORATION FOR:

LAKE AHQUABI ENTRANCE PORTALS

WARREN COUNTY, IOWA

LAKE AHQUABI STATE PARK

NO.	BY DATE	REVISION

DRAWN BY:

PROJECT NUMBER: 11-05-91-04

CHK'D BY:

DATE: 03.21.2011

SHEET No: A-001