
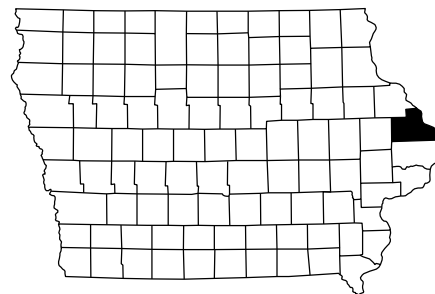


IOWA DEPARTMENT OF NATURAL RESOURCES

	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 _____
	BRUCE L. FLIPPIN _____ PRINTED OR TYPED NAME
	MY LICENCE RENEWAL DATE IS DECEMBER 31, 20 <u>26</u>
	PAGES COVERED BY THIS SEAL: _____



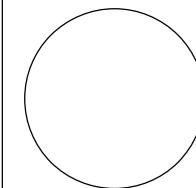
DIRECTORY			
PROJECT MANAGER		CONSTRUCTION INSPECTOR	
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES
ADDRESS	6200 PARK AVENUE	ADDRESS	
CITY,STATE,ZIP	DES MOINES, IA, 50321	CITY,STATE,ZIP	
CONTACT	BRUCE L. FLIPPIN	CONTACT	KEN HOWE
TELEPHONE	515-689-8009	TELEPHONE	319-240-3553
FAX	515-281-8685	FAX	
EMAIL	bruce.flippin@dnr.iowa.gov	EMAIL	kenneth.howe@dnr.iowa.gov

PROJECT DESCRIPTION	
This project consists of replacing four metal walk doors and associated hardware within the park.	

<h2 style="margin: 0;">AUTHORIZATION TO BID</h2>	
<div style="border-top: 1px solid black; padding-top: 5px;">           AUTHORIZATION - PARKS   WILDLIFE   FISHERIES   LAW ENFORCEMENT   FORESTRY         </div>	<div style="border-top: 1px solid black; padding-top: 5px;">           DATE         </div>
<div style="border-top: 1px solid black; padding-top: 5px;">             ENGINEERING BUREAU CHIEF           </div>	<div style="border-top: 1px solid black; padding-top: 5px;">             DATE           </div>

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CONSULTANT:

IOWA DEPARTMENT OF  
NATURAL RESOURCES

ENGINEERING SERVICES  
6200 PARK AVENUE  
DES MOINES, IA 50321



COVER SHEET

CANADA DOOR REPLACEMENT

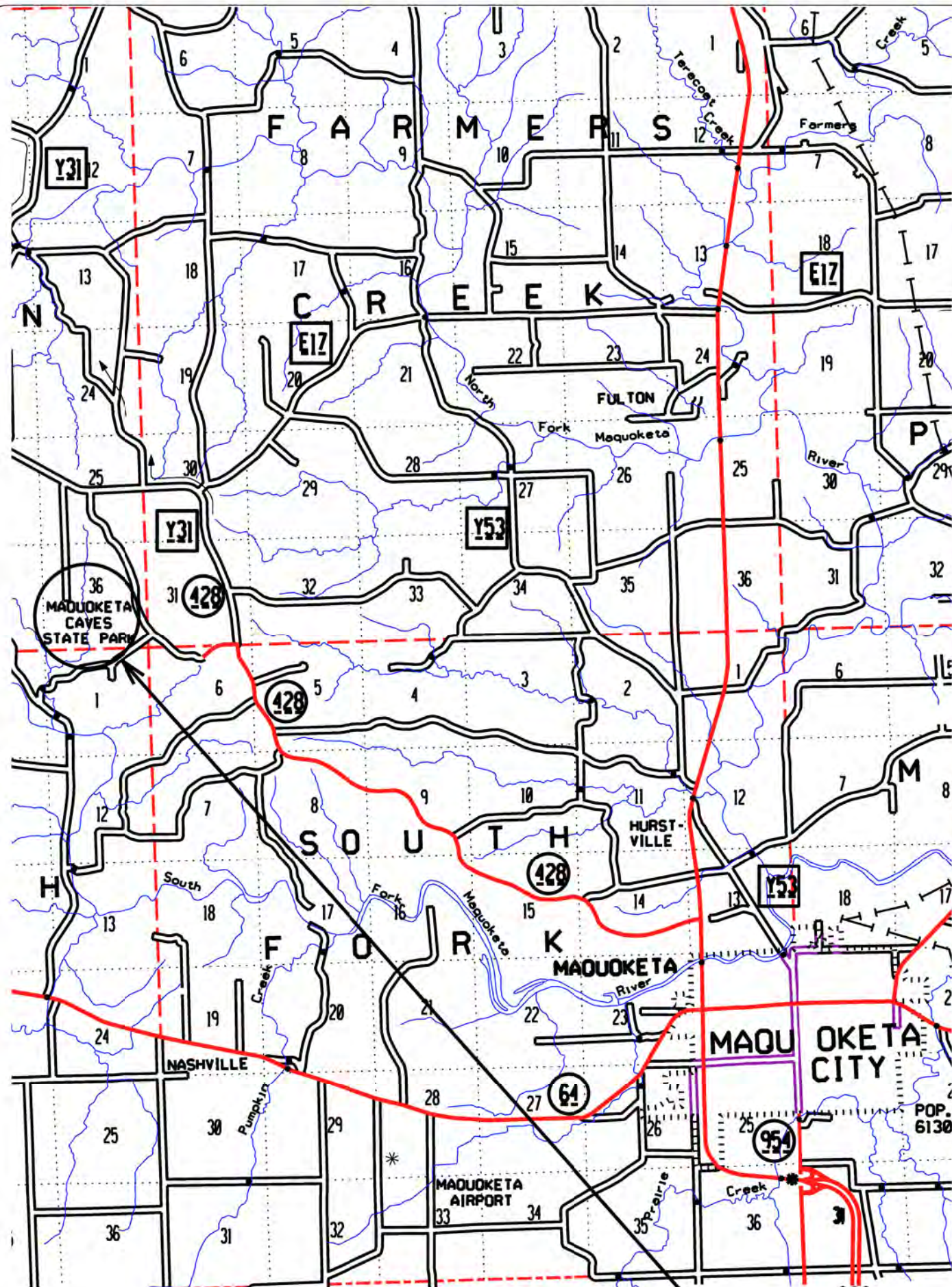
MAQUOKETA CAVES STATE PARK

JACKSON COUNTY

NO.	BY	REVISION
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DRAWN BY:		PROJECT NUMBER:
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CHK'D BY:		DATE:
		APRIL 2025
SHEET NO. of		

## A.01

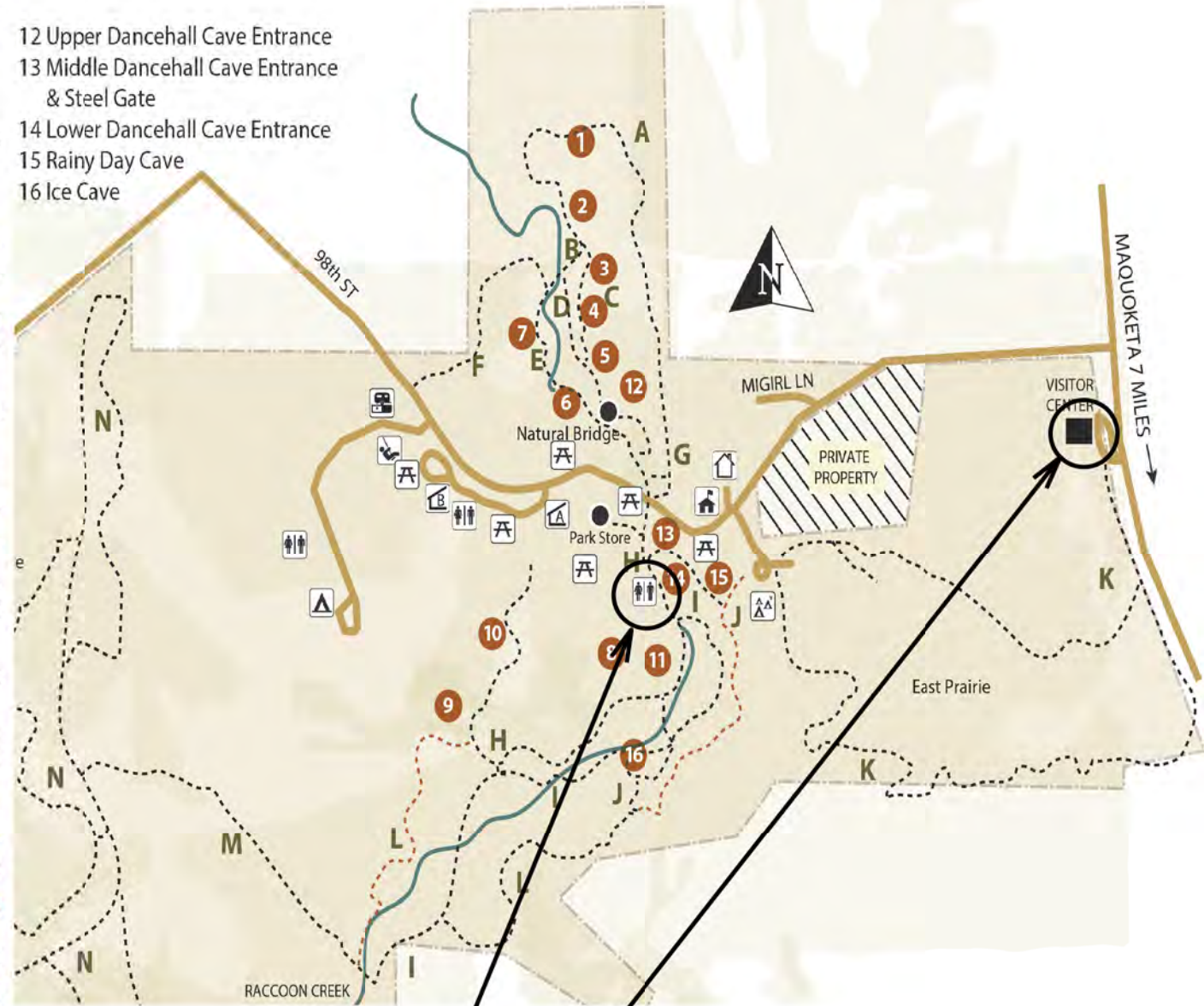




PROJECT LOCATION

# MAQUOKETA CAVES STATE PARK

- 12 Upper Dancehall Cave Entrance
- 13 Middle Dancehall Cave Entrance & Steel Gate
- 14 Lower Dancehall Cave Entrance
- 15 Rainy Day Cave
- 16 Ice Cave



CONSULTANT:

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NATURAL RESOURCES

ENGINEERING SERVICES  
6200 PARK AVENUE  
DES MOINES, IA 50321



PROJECT LOCATION MAP

ADA DOOR REPLACEMENT

MAQUOKETA CAVES STATE PARK

JACKSON COUNTY

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DRAWN BY: BLF  
PROJECT NUMBER: XX-XX-XX-XX  
CHKD BY: DATE: APRIL 2025

SHEET NO:

A.02



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## ESTIMATE REFERENCE INFORMATION

ITEM NO.	DESCRIPTION
1	<p>A. 3-0 x 7-0 hollow metal frame, 534 jamb, 3-3/4 head, 1-3/4 sides, RHR, deadbolt prep, 4.5 hinges, closer reinforcement, Steelcraft locations, P&amp;D, welded.</p> <p>B. 3-0 x 7-0 SZ 418 Blank Polys CR WH GLV door SQ edge blank (RPD) strike.</p> <p>C. Deadbolt prep door.</p> <p>D. 3/8" X 4" Fischer Multi-grip Anchor (SXR-T 10 X 100) For P&amp;D Torx T40 (8).</p> <p>E. BB1279 26D 4.5 X 4.5 NRP hinges (3).</p> <p>F. 5100 MLT 1-6 ALM FC Closer (Grade 1 Cast Iron).</p> <p>G. D2-D 26D deadbolt, cylinder outside cylinder inside.</p> <p>H. 30S 32D 4 X 16 Push Plate.</p> <p>I. 31G 32D Half Round Pull X Plate.</p> <p>J. 190S 32D 10 X 34 Kick Plate.</p> <p>K. 353A 36" Sweep.</p> <p>L. S205A 36" Threshold.</p> <p>M. 815A 36" Jamb up weatherseal.</p> <p>N. 815A 84" Jamb up weatherseal (2).</p> <p>O. Or Approved Equal on items A - N.</p> <p>P. Remove existing door and install new door with hardware listed above.</p> <p>Q. Remove old door from project site.</p>
2	<p>A. 3-0 x 7-0 hollow metal frame, 534 jamb, 3-3/4 head, 1-3/4 sides, LHR, deadbolt prep, 4.5 hinges, closer reinforcement, Steelcraft locations, P&amp;D, welded.</p> <p>B. 3-0 x 7-0 SZ 418 Blank Polys CR WH GLV door SQ edge blank (RPD) strike.</p> <p>C. Deadbolt prep door.</p> <p>D. 3/8" X 4" Fischer Multi-grip Anchor (SXR-T 10 X 100) For P&amp;D Torx T40 (8).</p> <p>E. BB1279 26D 4.5 X 4.5 NRP hinges (3).</p> <p>F. 5100 MLT 1-6 ALM FC Closer (Grade 1 Cast Iron).</p> <p>G. D2-D 26D deadbolt, cylinder outside cylinder inside.</p> <p>H. 30S 32D 4 X 16 Push Plate.</p> <p>I. 31G 32D Half Round Pull X Plate.</p> <p>J. 190S 32D 10 X 34 Kick Plate.</p> <p>K. 353A 36" Sweep.</p> <p>L. S205A 36" Threshold.</p> <p>M. 815A 36" Jamb up weatherseal.</p> <p>N. 815A 84" Jamb up weatherseal (2).</p> <p>O. Or Approved Equal on items A - N.</p> <p>P. Remove existing door and install new door with hardware listed above.</p> <p>Q. Remove old door from project site.</p>

ESTIMATE REFERENCE INFORMATION (Continued)	
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ITEM NO.	DESCRIPTION
3	<p>A. 3-0 F 416534 2" head GLV A-60.</p> <p>B. 6-8 F 416 532 RH jamb pair Blank No strike prep.</p> <p>C. Weld frame.</p> <p>D. Deadbolt prep frame.</p> <p>E. P&amp;D preps (8) per frame.</p> <p>F. P&amp;D anchor 4-3/4 - 5-3/4 (3980674)</p> <p>G. 1/2X1/2X1/8" spreader bar angle 6 ft.</p> <p>H. 1/8X1-1/2X20' flat closer reinforcement 2 ft.</p> <p>I. 3-0 X 6-8 SZ 418 Blank Polys CR WH GLV door SQ edge blank (RPD) strike.</p> <p>J. Deadbolt prep door.</p> <p>K. 3/8" X 4" Fischer Multi-grip Anchor (SXR-T 10 X 100) For P&amp;D Torx T40 (8).</p> <p>L. BB1279 26D 4.5 X 4.5 NRP hinges (3).</p> <p>M. 5100 MLT 1-6 ALM FC Closer (Grade 1 Cast Iron).</p> <p>N. BE365 PLY Keypad deadbolt.</p> <p>O. 30S 32D 4 X 16 Push Plate.</p> <p>P. 31G 32D Half Round Pull X Plate.</p> <p>Q. 353A 36" Sweep.</p> <p>R. S205A 36" Threshold.</p> <p>S. 815A 36" Jamb up weatherseal.</p> <p>T. 815A 80" Jamb up weatherseal (2).</p> <p>U. Or Approved Equal on items A - T.</p> <p>V. Remove existing door and install new door with hardware listed above.</p> <p>W. Remove old door and any excess materials from project site.</p>
4	<p>A. 3-0 F 416534 2" head GLV A-60.</p> <p>B. 6-8 F 416 532 RH jamb pair Blank No strike prep.</p> <p>C. Weld frame.</p> <p>D. Deadbolt prep frame.</p> <p>E. P&amp;D preps (8) per frame.</p> <p>F. P&amp;D anchor 4-3/4 - 5-3/4 (3980674)</p> <p>G. 1/2X1/2X1/8" spreader bar angle 6 ft.</p> <p>H. 1/8X1-1/2X20' flat closer reinforcement 2 ft.</p> <p>I. 3-0 X 6-8 SZ 418 Blank Polys CR WH GLV door SQ edge blank (RPD) strike.</p> <p>J. Deadbolt prep door.</p> <p>K. 3/8" X 4" Fischer Multi-grip Anchor (SXR-T 10 X 100) For P&amp;D Torx T40 (8).</p> <p>L. BB1279 26D 4.5 X 4.5 NRP hinges (3).</p> <p>M. 5100 MLT 1-6 ALM FC Closer (Grade 1 Cast Iron).</p> <p>N. BE365 PLY Keypad deadbolt.</p> <p>O. 30S 32D 4 X 16 Push Plate.</p> <p>P. 31G 32D Half Round Pull X Plate.</p> <p>Q. 353A 36" Sweep.</p> <p>R. S205A 36" Threshold.</p> <p>S. 815A 36" Jamb up weatherseal.</p> <p>T. 815A 80" Jamb up weatherseal (2).</p> <p>U. Or Approved Equal on items A - T.</p> <p>V. Demo and dispose of existing hollow metal frame and door, wallboard and framing. Furnish framing, wallboard finishing supplies and primer to create a new finished opening to receive a 3-0 X 6-8 hollow metal frame and door. Plywood temporary door with hinges and padlock if new door cannot be installed the same day.</p> <p>W. Install new door with hardware listed above.</p> <p>X. Remove old door and any excess materials from project site.</p>

ENGINEERING SERVICES  
6200 PARK AVENUE  
DES MOINES, IA 50321



ADA DOOR REPLACEMENT

JACKSON COUNTY

BY DATE		REVISION	
DRAWN BY:		PROJECT NUMBER:	
BLF		XX-XX-XX-XX	
CHECK'D BY:		DATE:	
		APRIL 2025	
SHEET No:			

## C.01





An aerial photograph of a park area. A paved road runs diagonally from the top right towards the center. To the left of the road, there is a small building with a light-colored roof. Further down the road, there is a larger building with a green roof. The surrounding area is filled with dense green trees and vegetation. The text 'Doors 3 & 4 Visitor's Center' is overlaid in large white font on the left side of the image.

# Doors 3 & 4 Visitor's Center



CANADA DOOR REPLACEMENT

JACKSON COUNTY

IOWA DEPARTMENT OF  
NATURAL RESOURCES

ENGINEERING SERVICES  
6200 PARK AVENUE  
DES MOINES, IA 50321



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DRAWN BY: BLF	PROJECT NUMBER: XX-XX-XX-XX
CHECKED BY:	DATE: APRIL 2025

## D.01