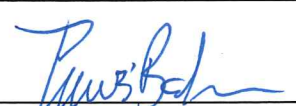
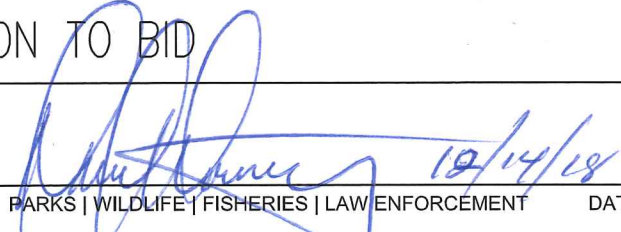


IOWA DEPARTMENT OF NATURAL RESOURCES
 CONSTRUCTION DOCUMENTS
 FOR
 D4FY19-4 GRIST MILL RESTORATION
 AT
 WILDCAT DEN STATE PARK
 MUSCATINE COUNTY, IOWA

PROJECT #19-06-70-01
 PLANS PREPARED BY
 LAND AND WATERS BUREAU
 CONSERVATION AND RECREATION DIVISION

AUTHORIZATION TO BID

	12/14/18		12/14/18
BUREAU CHIEF - LAND AND WATERS	DATE	PARKS WILDLIFE FISHERIES LAW ENFORCEMENT	DATE

DIRECTORY

ARCHITECT		DNR INSPECTOR	
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES
ADDRESS	502 E. 9TH. ST.	ADDRESS	-
CITY,STATE,ZIP	DES MOINES, IA 50319	CITY,STATE,ZIP	CEDAR RAPIDS COUNTY, IOWA
CONTACT	RYAN RICHEY	CONTACT	MIKE DUFOE
TELEPHONE	515.979.0107	TELEPHONE	515.985.9196
FAX	-	FAX	-
EMAIL	RYAN.RICHEY@DNR.IOWA.GOV	EMAIL	MICHAEL.DUFOE@DNR.IOWA.GOV

THIS PROJECT WILL RESTORE THE GRIST MILL AT WILDCAT DEN STATE PARK. THE CONTRACTOR SHALL CLEAN AND BLEACH THE ALL SIDING, TRIM AND FASCIA ON THE GRIST MILL AND PREP FOR NEW STAIN APPLICATION. AFTER NEUTRALIZING THE CLEANING AGENTS, THE CONTRACTOR SHALL STAIN THE MILL. THE CONTRACTOR SHALL ALSO RESIDE AND REROOF THE PUMP HOUSE ADJACENT TO THE GRIST MILL.



I hereby certify that this architectural document was prepared by me or under my direct personal supervision and that I am a duly Licensed Professional Architect under the laws of the State of Iowa.

RYAN E. RICHEY

12/19/2018
DATE

My license renewal date is June 30, 2019.

Pages or sheets covered by this seal:

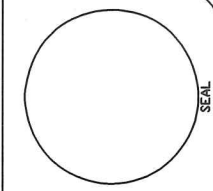
A-001 - A-102

SHEET INDEX

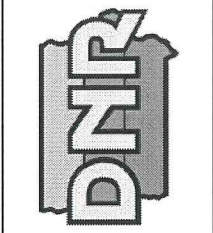
SHEET. NO.	SHEET TITLE
	ARCHITECTURAL
A-001	COVER SHEET
A-002	PROJECT LOCATION
A-003	PROJECT NARRATIVE, AND NOTES
A-050	EXISTING PUMP HOUSE PHOTOS
A-100	EXISTING GRIST MILL PHOTOS
A-101	EXISTING GRIST MILL PHOTOS
A-102	EXISTING GRIST MILL PHOTOS

BID ITEMS

ITEM NUMBER	ITEM DESCRIPTION	ESTIMATED QUANTITY
1	DEMOLITION & SALVAGE	LUMP SUM
2	CEDAR SIDING REPLACEMENT	100 LF
3	EXTERIOR STAINING	LUMP SUM
4	BLEACHING, CLEANING, AND NEUTRALIZING	LUMP SUM
5	PUMP HOUSE RESIDE AND REROOF	LUMP SUM
6	MOBILIZATION	LUMP SUM



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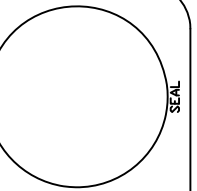
D4FY19-4 GRIST MILL RESTORATION
 WILDCAT DEN STATE PARK
 1884 WILDCAT DEN ROAD
 MUSCATINE, IA

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 CHECKED BY: DATE: 12.19.2018
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PROJECT LOCATION

MUSCATINE COUNTY, IOWA



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**D4FY19-4 GRIST MILL RESTORATION
WILDCAT DEN STATE PARK**
1884 WILDCAT DEN ROAD MUSCATINE, IA

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12.19.2018
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KEYNOTES

1. DEMOLISH ALL SIDING ON PUMP HOUSE.
2. SECURE ALL LOOSE CEDAR SIDING TO BUILDING WHERE NEEDED.
3. DEMOLISH ALL ROOFING MATERIAL TO DECK ON PUMP HOUSE.
4. CLEAN ALL FOUNDATION STONE TO REMOVE ALL MOSS AND DISCOLORATION WITH NON-IONIC DETERGENT, NATURAL BRISTLE BRUSHES, AND LOW-PRESSURE WASHING AS TO NOT DAMAGE STONE.
5. CLEAN ALL WOOD SIDING, TRIM, AND FASCIA OF THE GRIST MILL WITH AN OXYGEN BLEACH POWDER SOLUTION MADE FOR WOOD CLEANING, APPLY FOR 15-30 MINUTES, SCRUB WITH FINE STEEL WOOL AND NATURAL BRISTLE BRUSHES, DO NOT SCRATCH WOOD. RINSE WITH NON-IONIC DETERGENT AND PRESSURE WASHING, DO NOT DAMAGE SIDING. FINAL RINSE TO BE WATER AND NEUTRALIZER TO PREP FOR NEW STAIN APPLICATION.
6. STAIN ALL HORIZONTAL CEDAR SIDING, FENCING, AND WINDOW SHUTTERS WITH TWO (2) COATS OF TWP 1504 - BLACK WALNUT.
7. STAIN ALL TRIM, AND FASCIA WITH TWO (2) COATS OF BENJAMIN MOORE ARBORCOAT EXTERIOR ACRYLIC LATEX SOLID STAIN, COLOR TO BE REDWOOD.
8. THOROUGHLY CLEAN AND PAINT ALL METAL VENTS AND STACKS TWO (2) COATS OF EXTERIOR ACRYLIC LATEX PAINT, SATIN BLACK.
9. INSTALL NEW BUILDING WRAP OVER WALLS OF PUMP HOUSE; THEN INSTALL NEW 3/4" X 6" CEDAR BEVEL (CLAPBOARD) SIDING, RUSTIC GRADE. STAIN TWO (2) COATS OF TWP 1504 - BLACK WALNUT.
10. INSTALL SELF-ADHERED GRACE WATER AND ICE SHIELD OVER ENTIRE ROOF THEN SHINGLE WITH CERTAINTED LANDMARK PREMIUM SHINGLES, COLOR TO BE WEATHERED WOOD.

GENERAL NOTES

- A. ALL CLEANING AGENTS SHALL BE NON-IONIC, ENVIRONMENTALLY FRIENDLY, DETERGENT, USING PRESSURE WASHING WITH NATURAL BRISTLE BRUSHES WITHOUT DAMAGING THE SIDING.
- B. ALL BLEACH, DETERGENT, AND STAIN SHALL BE RECOVERED WHILE IN USE, THERE SHALL NOT BE ANY LEACHING OR SPILLING INTO PINE CREEK.
- C. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS.
- D. CONTRACTOR TO RESTORE ALL DISTURBED AREAS ON THE BUILDINGS AND ADJACENT AREAS.
- E. CONTRACTOR TO ABIDE BY ALL CODES, LAWS AND ORDINANCES REQUIRED IN PROJECT LOCATION.
- F. ALL STAIN ON THIS PROJECT SHALL BE EXTERIOR OIL-BASED ALKYD SEMI-SOLID STAIN ON CEDAR SIDING, AND EXTERIOR ACRYLIC SOLID STAIN ON WOOD TRIM, AND FASCIA.

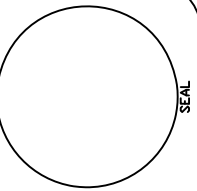
PROJECT NARRATIVE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL ITEMS WITHIN THIS NARRATIVE, THE DRAWINGS, AND PROJECT MANUAL UNLESS SPECIFICALLY NOTED OTHERWISE.

CONTRACTOR SHALL REMOVE EXISTING LINSEED OIL STAIN FROM THE PINE CREEK GRIST MILL AT WILDCAT DEN STATE PARK AND APPLY NEW STAIN. CONTRACTOR SHALL REMOVE STAIN WITH AN OXYGEN BLEACH SOLUTION AND GENTLE SCRUBBING AS NEEDED. THE CONTRACTOR SHALL THEN CLEAN THE BLEACH SOLUTION OFF WITH NON-IONIC DETERGENT, PRESSURE WASHING AND GENTLE SCRUBBING AS NEEDED. CONTRACTOR SHALL PREP FOR NEW STAIN APPLICATION. ONCE THOROUGHLY DRY, THE CONTRACTOR SHALL PERMANENTLY AND SECURELY ATTACH ALL LOOSE SIDING, REPLACE ROTTEN AND BROKEN SIDING WHERE NEEDED WITH WESTERN RED CEDAR SIDING MATCHING THE PROFILE AND DIMENSIONS OF EXISTING SIDING, REPAIR AREAS OF TRIM, SIDING, AND FASCIA AS NEEDED. CONTRACTOR SHALL THEN STAIN ALL SIDING ON THE GRIST MILL TWO (2) COATS OF EXTERIOR OIL-BASED ALKYD SEMI-SOLID STAIN. CONTRACTOR SHALL STAIN ALL TRIM, AND FASCIA TRIM TWO (2) COATS OF EXTERIOR ACRYLIC LATEX SOLID STAIN.

CONTRACTOR SHALL THEN REMOVE ALL CEDAR SIDING AND ROOFING MATERIAL FROM THE PUMP HOUSE. CONTRACTOR SHALL COVER THE ENTIRE ROOF DECK WITH GRACE SELF-ADHERED WATER AND ICE SHIELD, THEN INSTALL CERTAINTED LANDMARK PREMIUM SHINGLES. THE CONTRACTOR SHALL INSTALL NEW BUILDING WRAP OVER THE EXTERIOR OF THE PUMP HOUSE AND WESTERN RED-CEDAR BEVEL SIDING AND TRIM OVER THE EXTERIOR OF THE PUMP HOUSE. THE CEDAR SHALL THEN BE STAINED TWO (2) COATS OF EXTERIOR OIL-BASED ALKYD SEMI-SOLID STAIN.

- * CONTRACTOR SHALL CAPTURE ALL CLEANING AGENTS AND STAIN FROM REACHING PINE CREEK.
- * CONTRACTOR SHALL HAVE MINIMUM 5 YEARS EXPERIENCE AND MINIMUM 5 PROJECTS OF SIMILAR SCOPE TO THIS PROJECT COMPLETED. APPARENT LOW BIDDER SHALL SUBMIT PORTFOLIO FOR REVIEW TO ARCHITECT FOR REVIEW.



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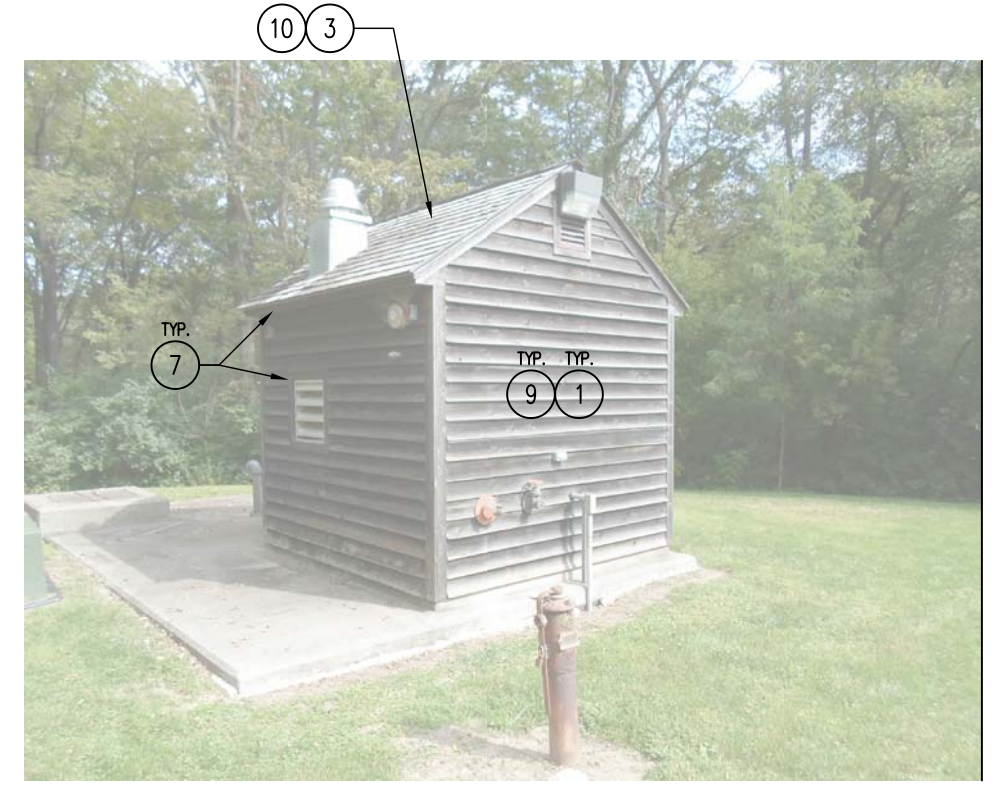
**D4FY19-4 GRIST MILL RESTORATION
WILDCAT DEN STATE PARK**
1884 WILDCAT DEN ROAD MUSCATINE, IA

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SCALE: NTS



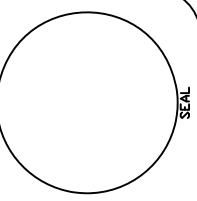
03 PUMP HOUSE PICTURE – WEST ELEVATION
SCALE: NTS



02 PUMP HOUSE PICTURE – SOUTH ELEVATION
SCALE: NTS



01 PUMP HOUSE PICTURE – EAST ELEVATION
SCALE: NTS



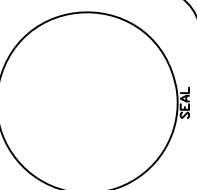
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WILDCAT DEN STATE PARK
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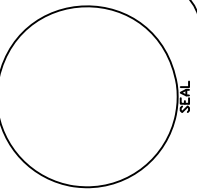
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01 GRIST MILL PICTURE – WEST ELEVATION
 SCALE: NTS



01 GRIST MILL PICTURE – NORTH ELEVATION
SCALE: NTS



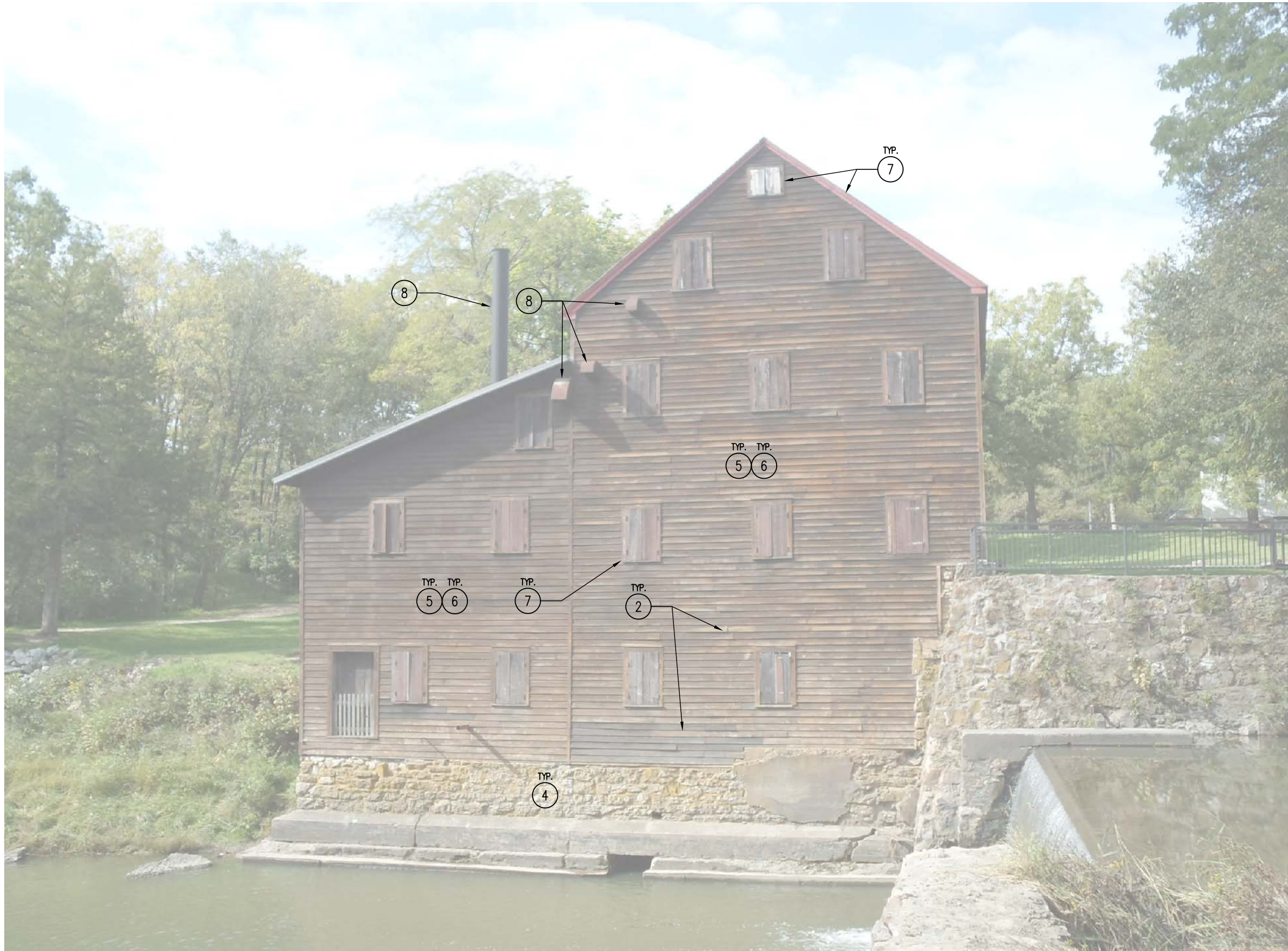
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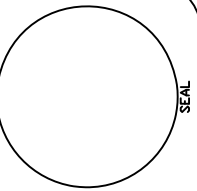
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01 GRIST MILL PICTURE – EAST ELEVATION
SCALE: NTS



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