

**UPPER MISSISSIPPI RIVER RESTORATION FEASIBILITY REPORT  
WITH INTEGRATED ENVIRONMENTAL ASSESSMENT**

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**GREEN ISLAND  
HABITAT REHABILITATION AND ENHANCEMENT PROJECT**

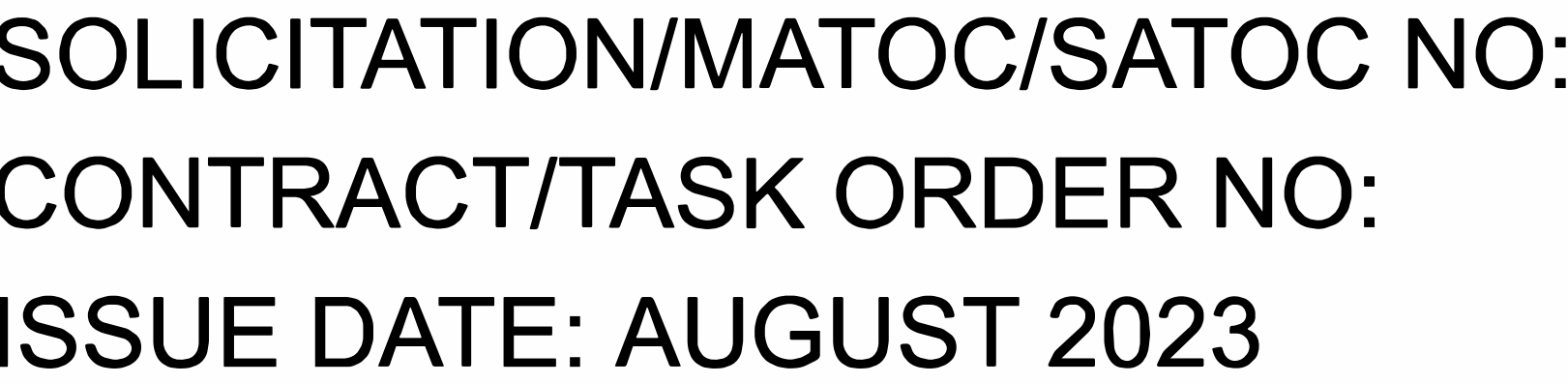
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**POOL 13, UPPER MISSISSIPPI RIVER  
RIVER MILES 548.5 THROUGH 546  
JACKSON COUNTY, IOWA**

**APPENDIX K  
PLATES**



MISSISSIPPI RIVER BASIN  
GREEN ISLAND WILDLIFE MANAGEMENT AREA  
JACKSON COUNTY, IA  
GREEN ISLAND HREP



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[illegible]

|                                                                                         |               |               |
|-----------------------------------------------------------------------------------------|---------------|---------------|
| U.S. ARMY CORPS OF ENGINEERS<br>ROCK ISLAND DISTRICT<br><br>ROCK ISLAND, ILLINOIS 61201 | DESIGNED BY:  | ISSUE DATE:   |
|                                                                                         | DRAWN BY:     | CONTRACT NO.: |
|                                                                                         | CHECKED BY:   |               |
|                                                                                         | SUBMITTED BY: | BSGLDD1202001 |
|                                                                                         | ADD: LESTEN   |               |
|                                                                                         | SIZE:         |               |
|                                                                                         | ANSI/D        |               |

MISSISSIPPI RIVER BASIN  
GREEN ISLAND WILDLIFE MANAGEMENT AREA  
JACKSON COUNTY, IA  
GREEN ISLAND HREP  
COVER SHEET

SHEET ID  
**G-001**

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LEGEND

CENTER LINE

CONSTRUCTION WORK LIMITS

EXISTING GROUND

DESIGN

LEVEE

INTERSTATE

RAILROAD

RIPRAP

RIVER

RIVER MILE MARKER

ROAD

ROUTE

STAGING AREA

SURVEY CONTROL POINT

WATER QUALITY CONTROL POINT

GENERAL NOTES

1.

A. THE GREEN ISLAND HREP PROJECT IS LOCATED AT THE CONFLUENCE OF THE MAQUOKETA AND MISSISSIPPI RIVERS IN THE CITY OF GREEN ISLAND, JACKSON COUNTY, IOWA ON THE RIGHT DESCENDING BANK OF THE MISSISSIPPI RIVER BETWEEN RIVER MILES 545.9 AND 548.7.  
B. ALL PROJECT LANDS ARE IN FEDERAL OWNERSHIP AND ARE MANAGED BY THE IOWA DEPARTMENT OF NATURAL RESOURCES.

2.

ACCESS AND STAGING:  
A. STAGING IS IDENTIFIED ON SHEET C-101  
B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ACCESS REQUIREMENTS AND LIMITATIONS.  
C. ACCESS TO THE PROJECT SITE SHALL BE VIA EXISTING ROADS.  
D. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS, ELEVATIONS, STRUCTURE LOCATIONS, ROADWAY LOCATIONS AND ACCESS LIMITATIONS.  
E. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES OR ACCESS TO THE SITE PRIOR TO PROJECT COMPLETION.  
F. CONTRACTOR IS RESPONSIBLE FOR PROTECTING OR REMOVING STAGED EQUIPMENT OR OTHER ITEMS PRIOR TO A FLOOD EVENT IN ACCORDANCE WITH CONTRACTOR'S HIGH WATER ACTION PLAN.

3.

HYDRAULIC DATA AND GAGE INFORMATION IS PROVIDED IN SPECIFICATIONS. RIVER GAGE DATA IS IN MSL1912. CONVERSION FACTORS ARE PROVIDED ON SHEET V-101.

4.

THE PROJECT IS ADJACENT TO THE RIVER AND IS THEREFORE HIGHLY SUSCEPTIBLE TO WATER FLUCTUATIONS THAT MAY IMPACT CONTRACTOR WORK PROGRESS.  
A. ALL WORK SHALL COMPLY WITH THE APPROVED HIGH WATER ACTION PLAN AS SPECIFIED IN SPECIFICATION SECTION 00 73 05.  
B. SEE SPECIFICATION SECTION 00 73 05 FOR HISTORIC RIVER LEVEL DATA AND SPECIAL CONTRACT CONDITIONS.

5.

LAYOUT:  
A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING UTILITIES ON SITE, INCLUDING ACCESS ROUTES AND STAGING AREAS, PRIOR TO BEGINNING WORK AND SHALL BE RESPONSIBLE FOR REPAIRING ANY UTILITIES DAMAGED DURING CONSTRUCTION.  
B. THE LAYOUT OF PROJECT FEATURES AS SHOWN SHALL BE FIELD STAKED BY THE CONTRACTOR AND APPROVED BY THE CONTRACTING OFFICER PRIOR TO ANY WORK STARTING.

6.

SURVEY:  
A. SURVEY CONTROL INFORMATION IS SHOWN ON SHEET V-101.  
B. CONTRACTOR WILL FIELD VERIFY SURVEY CONTROL ELEVATIONS IN ACCORDANCE WITH SPECIFICATIONS AND SHEET V-101.  
C. CONTRACTOR TO COMPLY WITH AND COMPLETE ALL SURVEY AS REQUIRED IN SPECIFICATION SECTION 02 21 00.

7.

PERMITS:  
A. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL PERMIT REQUIREMENTS TO INCLUDE THOSE OUTLINED IN SPECIFICATION SECTIONS 00 73 05 AND 01 57 19.  
B. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A NPDES STORM WATER PERMIT PRIOR TO INITIATING CONSTRUCTION. THE CONTRACTOR SHALL PREPARE AND SUBMIT A STORM WATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH THE NPDES PERMIT.  
C. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL NATURAL GAS PIPELINE REQUIREMENTS AS SPECIFIED IN SPECIFICATION SECTION 00 73 05.

8.

RESTRICTIONS:  
A. REVIEW SPECIFICATION SECTION 00 73 05 FOR RESTRICTIONS.

9.

ENSURE SAFETY IN THE PROJECT AREA. SIGNAGE OR OTHER TRAFFIC CONTROLS MAY BE REQUIRED. COORDINATE WITH THE CONTRACTING OFFICER.

10.

TEMPORARY SEEDING WILL BE REQUIRED FOR DREDGE PLACEMENT SITES AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES.

11.

TREE CLEARING IS REQUIRED ALONG THE LENGTH OF THE PLACEMENT SITES TO INCLUDE 20 FEET FROM THE TOE OF THE BERM, AND AT DREDGE/EXCAVATION LOCATIONS WHERE TREES ARE PRESENT, AS INDICATED ON PLAN SHEETS. REFER TO SPECIFICATION SECTIONS 00 73 05 AND 31 11 00.

US Army Corps of Engineers®

DATE

MARK

DESCRIPTION

ISSUE DATE:  
2023/08/20

SOLICITATION NO.:

CONTRACT NO.:

B5GILDD120201

DESIGNED BY:  
C. DOW DA

DRAWN BY:  
L. HEDDER

CHECKED BY:  
A. HEDDLESTEN

SUBMITTED BY:  
A. HEDDLESTEN

SIZE:  
ANSI D

U.S. ARMY CORPS OF ENGINEERS

ROCK ISLAND DISTRICT

ROCK ISLAND, ILLINOIS 61201

MISSISSIPPI RIVER BASIN

GREEN ISLAND WILDLIFE MANAGEMENT AREA

JACKSON COUNTY, IA

GREEN ISLAND HREP

LEGEND AND GENERAL NOTES

SHEET ID

G-002

REVIEW

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|---|----------|------------------------------------------|---|------------|-------------------------------------------|---|----------|-----------------------------------------------------|---|---------|-------------------------------------------------------|----|----------|-----------------------------|----|-------|------------------------------|----|----|----|
| P |          |                                          |   |            |                                           |   |          |                                                     |   |         |                                                       |    |          |                             |    |       |                              |    |    |    |
| N |          |                                          |   |            |                                           |   |          |                                                     |   |         |                                                       |    |          |                             |    |       |                              |    |    |    |
| M |          |                                          |   |            |                                           |   |          |                                                     |   |         |                                                       |    |          |                             |    |       |                              |    |    |    |
| L |          |                                          |   |            |                                           |   |          |                                                     |   |         |                                                       |    |          |                             |    |       |                              |    |    |    |
| K |          |                                          |   |            |                                           |   |          |                                                     |   |         |                                                       |    |          |                             |    |       |                              |    |    |    |
| J |          |                                          |   |            |                                           |   |          |                                                     |   |         |                                                       |    |          |                             |    |       |                              |    |    |    |
| H |          |                                          |   |            |                                           |   |          |                                                     |   |         |                                                       |    |          |                             |    |       |                              |    |    |    |
| G |          |                                          |   |            |                                           |   |          |                                                     |   |         |                                                       |    |          |                             |    |       |                              |    |    |    |
| F |          |                                          |   |            |                                           |   |          |                                                     |   |         |                                                       |    |          |                             |    |       |                              |    |    |    |
| E |          |                                          |   |            |                                           |   |          |                                                     |   |         |                                                       |    |          |                             |    |       |                              |    |    |    |
| D |          |                                          |   |            |                                           |   |          |                                                     |   |         |                                                       |    |          |                             |    |       |                              |    |    |    |
| C |          |                                          |   |            |                                           |   |          |                                                     |   |         |                                                       |    |          |                             |    |       |                              |    |    |    |
| B |          |                                          |   |            |                                           |   |          |                                                     |   |         |                                                       |    |          |                             |    |       |                              |    |    |    |
| A |          |                                          |   |            |                                           |   |          |                                                     |   |         |                                                       |    |          |                             |    |       |                              |    |    |    |
|   | L        | ANGLE                                    |   | CS         | CAST STONE                                |   | FRT      | FIRE-RETARDANT                                      |   | LTG     | LIGHTING                                              |    | PS CONC  | PRESTRESSED CONCRETE        |    | THK   | THICK(NESS)                  |    |    |    |
|   | A/C      | AIR CONDITIONING                         |   | CSK        | COUNTERSUNK                               |   | FS       | FULL SIZE                                           |   | LTNG    | LIGHTNING                                             |    | PSF      | POUNDS PER SQUARE FOOT      |    | THRES | THRESHOLD                    |    |    |    |
|   | A/C UNIT | AIR CONDITIONING UNIT                    |   | CSMT       | CASEMENT                                  |   | FSTNR    | FASTENER                                            |   | LVR     | LOUVER                                                |    | PSI      | POUNDS PER SQUARE INCH      |    | TK BD | TACKBOARD                    |    |    |    |
|   | AB       | ANCHOR BOLT                              |   | CT         | CERAMIC TILE                              |   | FT       | FEET                                                |   | LWC     | LIGHTWEIGHT CONCRETE                                  |    | PT       | PNEUMATIC TUBE              |    | TKS   | TACKSTRIP                    |    |    |    |
|   | ABV      | ABOVE                                    |   | CT         | CURRENT TRANSFORMER                       |   | FTG      | FOOTING                                             |   | LWT     | LEAVING WATER TEMPERATURE                             |    | PT       | POINT                       |    | TKS   | TOP OF                       |    |    |    |
|   | AC       | ALTERNATING CURRENT                      |   | C TO C     | CENTER TO CENTER                          |   | FURG     | FURRING                                             |   | m       | METER(S)                                              |    | PT CONC  | POST-TENSIONED CONCRETE     |    | TOL   | TOLERANCE                    |    |    |    |
|   | ACC      | ACCESSIBLE                               |   | CTR        | CENTER                                    |   | FUT      | FUTURE                                              |   | MAB     | MATCHED AND BEADED                                    |    | PTD      | PAPER TOWEL DISPENSER       |    | TOPO  | TOPOGRAPHY                   |    |    |    |
|   | ACI      | AMERICAN CONCRETE INSTITUTE              |   | CU         | CONDENSING UNIT                           |   | FW       | FIRE WATER                                          |   | MACH    | MACHINE                                               |    | PTN      | PARTITION                   |    | TOS   | TOP OF SLAB                  |    |    |    |
|   | ACR      | ACRYLIC PLASTIC                          |   | Cu         | COPPER                                    |   | FWC      | FABRIC WALL COVERING                                |   | MAS     | MASONRY                                               |    | PTR      | PAPER TOWEL RECEPTACLE      |    | TOS   | TOP OF STEEL                 |    |    |    |
|   | ACS DR   | ACCESS DOOR                              |   | CU FT      | CUBIC FEET                                |   | G        | NATURAL GAS                                         |   | MATL    | MATERIAL(S)                                           |    | PV       | PAVED                       |    | TOW   | TOP OF WALL                  |    |    |    |
|   | ACS PNL  | ACCESS PANEL                             |   | CUH        | CABINET UNIT HEATER                       |   | GA       | GAGE                                                |   | MAX     | MAXIMUM                                               |    | PVC      | POLYVINYL CHLORIDE          |    | TPD   | TOILET PAPER DISPENSER       |    |    |    |
|   | ACSR     | ALUMINUM CABLE STEEL REINFORCED          |   | CU YD      | CUBIC YARDS                               |   | GAL      | GALLON(S)                                           |   | MB      | MACHINE BOLTS                                         |    | PVG      | PAVING                      |    | TPTN  | TOILET PARTITION             |    |    |    |
|   | ACST     | ACOUSTIC                                 |   | CV         | CEILING VENT                              |   | GALV     | GALVANIZED                                          |   | MBR     | MEMBRANE                                              |    | PW       | PASS WINDOW                 |    | TRANS | TRANSOM                      |    |    |    |
|   | ACT      | ACCOUSTICAL CEILING TILE                 |   | CVH        | CONDUCTIVE VINYL HOMOGENEOUS (SHEET TYPE) |   | GALV STL | GALVANIZED STEEL                                    |   | MC      | MEDICINE CABINET                                      |    | QT       | QUARRY TILE                 |    | TRANS | TRANSVERSE                   |    |    |    |
|   | ADDUM    | ADDENDUM                                 |   | GB         | COLD WATER                                |   | GB       | GRAB BAR                                            |   | MCJ     | MASONRY CONTROL JOINT                                 |    | QT       | QUART                       |    | TSTAT | THERMOSTAT                   |    |    |    |
|   | ADH      | ADHESIVE                                 |   | CYL        | CYLINDER                                  |   | GC       | GENERAL CONTRACTOR                                  |   | MCO     | METAL-CASED OPENING                                   |    | QTR      | QUARTER                     |    | TV    | TELEVISION                   |    |    |    |
|   | ADJ      | ADJACENT, ADJOINING, ADJUSTABLE          |   | d          | PENNY (AS IN NAIL - 10D)                  |   | GEN      | GENERAL                                             |   | MDS     | METAL DIVIDER STRIP                                   |    | 1/4 RND  | QUARTER ROUND               |    | TYP   | TYPICAL                      |    |    |    |
|   | ADO      | AUTOMATIC DOOR OPERATOR                  |   | DAT        | DATUM                                     |   | MECH     | MECHANICAL                                          |   | MECH RM | MECHANICAL ROOM                                       |    | QTY      | QUANTITY                    |    | UC    | UNIT COOLER                  |    |    |    |
|   | AFF      | ABOVE FINISHED FLOOR                     |   | DB         | DRY BULB                                  |   | GFCI     | GROUND FAULT CIRCUIT INTERRUPTER                    |   | MECH    | MECHANICAL                                            |    | R        | RADIUS                      |    | UGND  | UNDERGROUND                  |    |    |    |
|   | AGGR     | AGGREGATE                                |   | DBL        | DOUBLE                                    |   | GFE      | GOVERNMENT-FURNISHED EQUIPMENT                      |   | MED     | MEDIUM                                                |    | R        | RANGE                       |    | UH    | UNIT HEATER                  |    |    |    |
|   | AHR      | ANCHOR                                   |   | DBL ACT DR | DOUBLE ACTING DOOR                        |   | GFE/CI   | GOVERNMENT-FURNISHED EQUIPMENT CONTRACTOR INSTALLED |   | MEMB    | MEMBRANE                                              |    | R        | RISER                       |    | UL    | UNDERWRITERS LABORATORIES    |    |    |    |
|   | AHU      | AIR HANDLING UNIT                        |   | DCJ        | DOVELED CONTROL JOINT                     |   | GI       | GALVANIZED IRON                                     |   | MES     | METAL EDGE STRIP                                      |    | RA       | RETURN AIR                  |    | UNEX  | UNEXCAVATED                  |    |    |    |
|   | AI       | AREA INLET                               |   | DCJT       | DUMMY CONTROL JOINT                       |   | GIP      | GALVANIZED IRON PIPE                                |   | MFD     | METAL FLOOR DECKING                                   |    | RAB      | RABBATED                    |    | UNFIN | UNFINISHED                   |    |    |    |
|   | AIC      | AMPERE INTERRUPTING CAPACITY             |   | DEG        | DEGREE                                    |   | GKT      | GASKET(ED)                                          |   | MFG     | MANUFACTURING                                         |    | RA GR    | RETURN AIR GRILLE           |    | UPS   | UNINTERRUPTABLE POWER SUPPLY |    |    |    |
|   | AISC     | AMERICAN INSTITUTE OF STEEL CONSTRUCTION |   | DEMO       | DEMOLITION                                |   | GL       | GLASS                                               |   | MFR     | MANUFACTURER                                          |    | RAR      | RETURN AIR REGISTER         |    | UR    | URNAL                        |    |    |    |
|   | A.L.     | ACTIVE LEAF                              |   | DEPR       | DEPRESSION                                |   | GL BLK   | GLASS BLOCK                                         |   | MG      | MOTOR GENERATOR                                       |    | RB       | RUBBER BASE, RESILIENT BASE |    | UTIL  | UTILITY                      |    |    |    |
|   | ALT      | ALTERNATE                                |   | DEPT       | DEPARTMENT                                |   | GLF      | GLASS FIBER                                         |   | MGT     | MATTE-GLAZED TILE                                     |    | RBL      | RUBBLE STONE                |    | UV    | UNIT VENTILATOR              |    |    |    |
|   | ALUM     | ALUMINUM                                 |   | DET        | DETAIL                                    |   | GLZ      | GLAZING                                             |   | MH      | MANHOLE                                               |    | RBR      | RUBBER                      |    | V     | VOLT                         |    |    |    |
|   | AMB      | AMBIENT                                  |   | DF         | DRINKING FOUNTAIN                         |   | GLZ CMU  | GLAZED CONCRETE MASONRY UNITS                       |   | MI      | MALLEABLE IRON                                        |    | RC       | REMOTE CONTROL              |    | V     | VARNISH                      |    |    |    |
|   | AMP      | AMPERE                                   |   | G          | GROUND                                    |   | G        | GROUND                                              |   | MIN     | MINIMUM                                               |    | RCP      | REINFORCED CONCRETE PIPE    |    | VB    | VINYL BASE                   |    |    |    |
|   | ANOD     | ANODIZE                                  |   | DH         | DUCT HEATER                               |   | GOVT     | GOVERNMENT                                          |   | MIRR    | MIRROR                                                |    | RCVR     | RECEIVER                    |    | VCT   | VINYL COMPOSITION TILE       |    |    |    |
|   | ANSI     | AMERICAN NATIONAL STANDARDS INSTITUTE    |   | DIA        | DIAMETER                                  |   | GPM      | GALLONS PER MINUTE                                  |   | MISC    | MISCELLANEOUS                                         |    | RD       | ROOF DRAIN                  |    | VCT   | VITRIFIED CLAY TILE          |    |    |    |
|   | APPROVED | APPROVED                                 |   | DIA GPT    | DIACTION                                  |   | GPT      | GYP SUM TILE                                        |   | MISC    | MISCELLANEOUS                                         |    | RDG INS  | RIGID INSULATION            |    | VD    | VOL                          |    |    |    |
|   | APPROX   | APPROXIMATE                              |   | DIM        | DIMENSION                                 |   | GRAN     | GRANITE                                             |   | ML      | MONOLITHIC                                            |    | RECPT    | RECEPTACLE                  |    | VENT  | VENTILATOR(TION)             |    |    |    |
|   | ARCH     | ARCHITECT                                |   | DISC       | DISCONNECT                                |   | GR LN    | GRADE LINE                                          |   | MLDG    | MOULDING                                              |    | REC ROOM | RECREATION ROOM             |    | VERT  | VERTICAL                     |    |    |    |
|   | ARI      | AMERICAN REFRIGERATION INSTITUTE         |   | DISP       | DISPENSER                                 |   | GRTG     | GRATING                                             |   | MLWK    | MILLWORK                                              |    | RECT     | RECTIFIER                   |    | VEST  | VESTIBULE                    |    |    |    |
|   | ASB      | ASBESTOS                                 |   | DISTR PNL  | DISTRIBUTION PANEL                        |   | GST      | GLAZED STRUCTURAL TILE                              |   | mm      | MILLIMETER(S)                                         |    | REF      | REFERENCE                   |    | VF    | VINYL FABRIC                 |    |    |    |
|   | ASB      | ASBESTOS                                 |   | DIV        | DIVISION                                  |   | GSU      | GLAZED STRUCTURAL UNITS                             |   | MMIC    | MATERIAL NOT IN CONTRACT (INSTALLATION BY CONTRACTOR) |    | REFLECT  | REFLECT                     |    | VG    | VERTICAL GRAIN               |    |    |    |
|   | ASPH     | ASPHALT                                  |   | DL         | DEAD LOAD                                 |   | GT       | GROUT                                               |   | MO      | MASONRY OPENING                                       |    | REFR     | REFRIGERATION               |    | VJ    | VINYL HOMOGENEOUS            |    |    |    |
|   | ATC      | ACOUSTICAL TILE CEILING                  |   | DMPF       | DAMP-PROOFING                             |   | GWT      | GLAZED WALL TILE                                    |   | MOD     | MODIFIED                                              |    | REG      | REGISTER                    |    | VJ    | V-JOINT(ED)                  |    |    |    |
|   | AUTO     | AUTOMATIC                                |   | DMPR       | DAMPER                                    |   | GYP      | GYP SUM                                             |   | MOD     | MODIFIED                                              |    | REG      | REGLET                      |    | VNR   | VENEER                       |    |    |    |
|   | AVG      | AVERAGE                                  |   | DMT        | DEMOUNTABLE                               |   | GYP BD   | GYP SUM BOARD                                       |   | MOT     | MOTOR                                                 |    | REIN     | REINFORCE                   |    | VNR   | VOLUME                       |    |    |    |
|   | AWG      | AMERICAN WIRE GAUGE                      |   | DN         | DOWN                                      |   | GYP PLAS | GYP SUM PLASTER                                     |   | MP      | MOVABLE PARTITION                                     |    | REIN     | REINFORCE                   |    | VR    | VAPOR RETARDER               |    |    |    |
|   | AWT      | ACUSTICAL WALL TREATMENT                 |   | DR         | DOOR                                      |   | HB       | HOLE                                                |   | MR      | MOP RECEPTOR                                          |    | REIN     | REINFORCE                   |    | VR    | VAPOR RETARDER               |    |    |    |
|   | BB       | BULLETIN BOARD                           |   | DR         | DRAIN                                     |   | HC       | HOLLOW CORE                                         |   | MRB     | MARBLE BASE                                           |    | RESIL    | RESILIENT                   |    | VS    | VENT STACK                   |    |    |    |
|   | BC       | BOOKCASE                                 |   | DRB        | DRAINBOARD                                |   | HCD      | HALON CONTAINMENT DAMPER                            |   | MRD     | METAL ROOF DECKING                                    |    | RET      | RETURN                      |    | V.T.  | VOLTAGE TRANSFORMER          |    |    |    |
|   | BD       | BOARD                                    |   | DR CL      | DOOR CLOSER                               |   | HCP      | HANDICAPPED                                         |   | MS      | MACHINE SCREWS                                        |    | REV      | REVISION                    |    | VTR   | VENT THRU ROOF               |    |    |    |
|   | BDRY     | BOUNDARY                                 |   | DS         | DOUBLE STRENGTH (GLASS)                   |   | HD       | HEAD                                                |   | MT      | METAL THRESHOLD                                       |    | RFG      | ROOFING                     |    | VWC   | VINYL WALL COVERING          |    |    |    |
|   | BEJ      | BRICK EXPANSION JOINT                    |   | DS         | DOWNSPOUT                                 |   | HD       | HEAD                                                |   | MT      | MOUNT                                                 |    | RH       | RIGHT HAND                  |    | W     | WEST                         |    |    |    |
|   | BEV      | BEVEL                                    |   | DT         | DRAIN TILE                                |   | HDBD     | HARDBOARD                                           |   | MTD     | MOUNTED                                               |    | RH       | RIGHT HAND                  |    | W     | WITH                         |    |    |    |
|   | BITUM    | BITUMINOUS                               |   | DVTL       | DOVETAIL                                  |   | HD JT    | HEAD JOINT                                          |   | MTFR    | METAL FURRING                                         |    | RH       | ROOF HATCH                  |    | WB    | WET BULB                     |    |    |    |
|   | BJT      | BED JOINT                                |   | DWG        | DRAWING                                   |   | HDR      | HEADER                                              |   | MTL     | METAL                                                 |    | RK       | RACK                        |    | WBL   | WOOD BLOCKING                |    |    |    |
|   | BL       | BUILDING LINE                            |   | DWLS       | DOVELS                                    |   | HDW      | HARDWARE                                            |   | MVBL    | MOVABLE                                               |    | RLG      | RAILING                     |    | WC    | WATER CLOSET                 |    |    |    |
|   | BLDG     | BUILDING                                 |   | DWR        | DRAWER                                    |   | HDWD     | HARDWOOD                                            |   | MULL    | MULLION                                               |    | RM       | ROOM                        |    | WIC   | WHEELCHAIR                   |    |    |    |
|   | BLW      | BELOW                                    |   | DWTR       | DUMBWAITER                                |   | HES      | HIGH EARLY-STRENGTH CEMENT                          |   | N       | NORTH                                                 |    | RND      | ROUND                       |    | WCO   | WOOD-CASED OPENING           |    |    |    |
|   | BM       | BENCHMARK                                |   | DX         | DIRECT EXPANSION                          |   | HEX      | HEXAGON                                             |   | NAT     | NATURAL                                               |    | RO       | ROUGH OPENING               |    | WD    | WOOD                         |    |    |    |
|   | BO       | BOTTOM OF                                |   | E          | EAST                                      |   | HH       | HANDHOLE                                            |   | NC      | NORMALLY CLOSED                                       |    | ROW      | RIGHT OF WAY                |    | WD    | WOOD DOOR                    |    |    |    |
|   | BOT      | BOTTOM                                   |   | EA         | EACH                                      |   | HK       | HOOK(S)                                             |   | NEC     | NATIONAL ELECTRICAL CODE                              |    | RP       | RETRACTABLE PARTITION       |    | WOSP  | WASTE DISPOSER               |    |    |    |
|   | BP       | BACK PLASTER(ED)                         |   | EAT        | ENTERING AIR TEMPERATURE                  |   | HM       | HOLLOW METAL                                        |   | NEMA    | NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION         |    | RPM      | REVOLUTIONS PER MINUTE      |    | WDW   | WINDOW                       |    |    |    |
|   | BRCG     | BRACING                                  |   | EF         | EACH FACE                                 |   | HNDRL    | HANDRAIL                                            |   | NFPA    | NATIONAL FIRE PROTECTION ASSOCIATION                  |    | RPRT     | RAISED PATTERN RUBBER TILE  |    | WF    | WIDE FLANGE                  |    |    |    |
|   | BRDG     | BRIDGING                                 |   | EJ         | EXPANSION JOINT                           |   | HORIZ    | HORIZONTAL                                          |   | NI      | NICKEL                                                |    | RTF      | RUBBER TILE FLOOR           |    | WGL   | WIRED GLASS                  |    |    |    |
|   | BRG      | BEARING                                  |   | EL         | ELEVATION - GRADE OR BUILDING             |   | HP       | HIGH PRESSURE                                       |   | NIC     | NOT IN CONTRACT                                       |    | RVS      | REVERSE                     |    | WH    | WALL HUNG                    |    |    |    |
|   | BRG PL   | BEARING PLATE                            |   | ELEC       | ELECTRIC                                  |   | HP       | HORSEPOWER                                          |   | NL      | NAILABLE                                              |    | RVT      | RIVE                        |    | WH    | WATER HEATER                 |    |    |    |
|   | BRK      | BRACKET                                  |   | EMD        | EXPANDED METAL                            |   | HPT      | HIGH POINT                                          |   | N.L.    | NEOPRENE LATEX                                        |    | RWC      | RAINWATER CONDUCTOR         |    | WHB   | WHEEL BUMPER                 |    |    |    |
|   | BRKT     | BRACKET                                  |   | EMR        | ESTIMATED MAXIMUM DEMAND                  |   | HR       | HOOR                                                |   | S       | NONMETALLIC                                           |    | S        | SOUTH                       |    | WHM   | WATT-HOUR METER              |    |    |    |
|   | BRZ      | BRONZE                                   |   | EMER       | EMERGENCY                                 |   | HS       | HIGH STRENGTH                                       |   | NO      | NORMALLY OPEN                                         |    | SA       | SUPPLY AIR                  |    | WI    | WROUGHT IRON                 |    |    |    |
|   | BS       | BOTH SIDES                               |   | ENCL       | ENCLOSE(URE)                              |   | HSGYP    | HIGH-STRENGTH GYPSUM PLASTER                        |   | NO      | NUMBER                                                |    | SB       | SPLASH BLOCK                |    | WKSH  | WORK SHOP                    |    |    |    |
|   | BSMT     | BASEMENT                                 |   | ENTR       | ENTRANCE, ENTERING                        |   | HSPKG    | HOUSEKEEPING                                        |   | NOM     | NOMINAL                                               |    | S.B.     | SECURITY BARS               |    | WM    | WIRE MESH                    |    |    |    |
|   | BL       | BLTISH THERMAL UNIT                      |   | EP         | ELECTRIC PANELBOARD                       |   | HT       | HEIGHT                                              |   | NRM     | NOISE REDUCTION                                       |    | WT       | WITHOUT                     |    | WM    | WIRE MESH                    |    |    |    |
|   | BUH      | BUT FOUR                                 |   | EPF        | EXPLOSION PROOF                           |   | HTRG     | HEATING                                             |   | NRG     | NOISE REDUCTION COEFFICIENT                           |    | SCHED    | SCHEDULE                    |    | WP    | WATERPROOF(ING)              |    |    |    |
|   | BTWN     | BETWEEN                                  |   | EPY        | EPOXY COATING                             |   | HTR      | HEATER                                              |   | N'REQD  | NOT REQUIRED                                          |    | SCRN     | SCREEN                      |    | WP    | WEATHERPROOF                 |    |    |    |
|   | BUR      | BUILT-UP ROOFING                         |   | EQ         | EQUAL                                     |   | HVAC     | HEATING, VENTILATING AND AIR CONDITIONING           |   | NTS     | NOT TO SCALE                                          |    | SCT      | STRUCTURAL CLAY TILE        |    | WP    | WORKING POINT                |    |    |    |
|   | BW       | BOTH WAYS                                |   | EQUIP      | EQUIPMENT                                 |   | HYDR     | HYDRAULIC                                           |   | OA      | OUTSIDE AIR                                           |    | SD       | STORM DRAIN                 |    | WR    | WASTE RECEPTACLE             |    |    |    |
|   | CAB      | CABINET                                  |   | ESCAL      | ESCALATOR                                 |   | HZ       | HERTZ                                               |   | OBSC    | OBSCURE                                               |    | SDI      | STEEL DOOR INSTITUTE        |    | WRB   | WATERBORE                    |    |    |    |
|   | CAP      | CAPACITY                                 |   | EST        | ESTIMATE(D)                               |   | IC       | INTERCOM                                            |   | OBW     | OBSERVATION WINDOW                                    |    | SECT     | SECTION                     |    | WS    | WATERSTOP                    |    |    |    |
|   | CB       | CATCH BASIN                              |   | EWC        | ELECTRIC WATER COOLER                     |   | ID       | INSIDE DIAMETER                                     |   | OC      | ON CENTER                                             |    | SEQ      | SEQUENCE                    |    | W.S.  | WASTE STACK                  |    |    |    |
|   | CCT      | CUBICLE CURTAIN TRACK                    |   | EWT        | ENTERING WATER TEMPERATURE                |   | IESNA    | ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA   |   | OCW     | ON CENTER EACH WAY                                    |    | SFGL     | SAFETY GLASS                |    | WSCT  | WAINSCOT                     |    |    |    |
|   | CCTV     | CLOSED CIRCUIT TELEVISION                |   | EXC        | EXCAVATE                                  |   | ILK      | INTERLOCK                                           |   | OD      | OUTSIDE DIAMETER                                      |    | SFTU     | STRUCTURAL FACING TILE UNIT |    | WT    | WEIGHT                       |    |    |    |
|   | CE       | COVER ELEVATION                          |   | EXH        | EXHAUST                                   |   | IN       | INCH                                                |   | OFC     | OFFICE                                                |    | SFU      | STRUCTURAL FACING UNIT      |    | WTH   | WIDTH                        |    |    |    |
|   | CEM      | CEMENT                                   |   | EXH A      | EXHAUST AIR                               |   | INCIN    | INCINERATOR                                         |   | OGL     | OBSCURE GLASS                                         |    | SG       | SHEET GLASS                 |    | WW    | WALL TO WALL                 |    |    |    |
|   | CEM PLAS | CEMENT PLASTER                           |   | EXST       | EXISTING                                  |   | INCL     | INCLUDED                                            |   | OH      | OVERHEAD                                              |    | SHLDR    | SHOULDER                    |    | WWF   | WELDED WIRE FABRIC           |    |    |    |
|   | CER      | CERAMIC                                  |   | EXP        | EXPANSION                                 |   | INSF     | INSULATING FILL                                     |   | OHMS    | OVALHEAD MACHINE SCREW                                |    | SHT      | SHEET                       |    | WWM   | WELDED WIRE MESH             |    |    |    |
|   | CFI      | CONDUCTIVE FLOORING                      |   | EXP        | EXPOSED                                   |   | INSUL    | INSULATION                                          |   | OHWS    | OVALHEAD WOOD SCREW                                   |    | SHTHG    | SHEATHING                   |    | WWR   | WELDED WIRE REINFORCEMENT    |    |    |    |
|   | CFLG     | COUNTERFLASHING                          |   | EXP BT     | EXPANSION BOLT                            |   | INT      | INTERIOR                                            |   | OPH     | OPPOSITE HAND                                         |    | SHV      | SHELVING                    |    | XFMR  | TRANSFORMER                  |    |    |    |
|   | CFM      | CENTER FEET PER MINUTE                   |   | EXT        |                                           |   |          |                                                     |   |         |                                                       |    |          |                             |    |       |                              |    |    |    |





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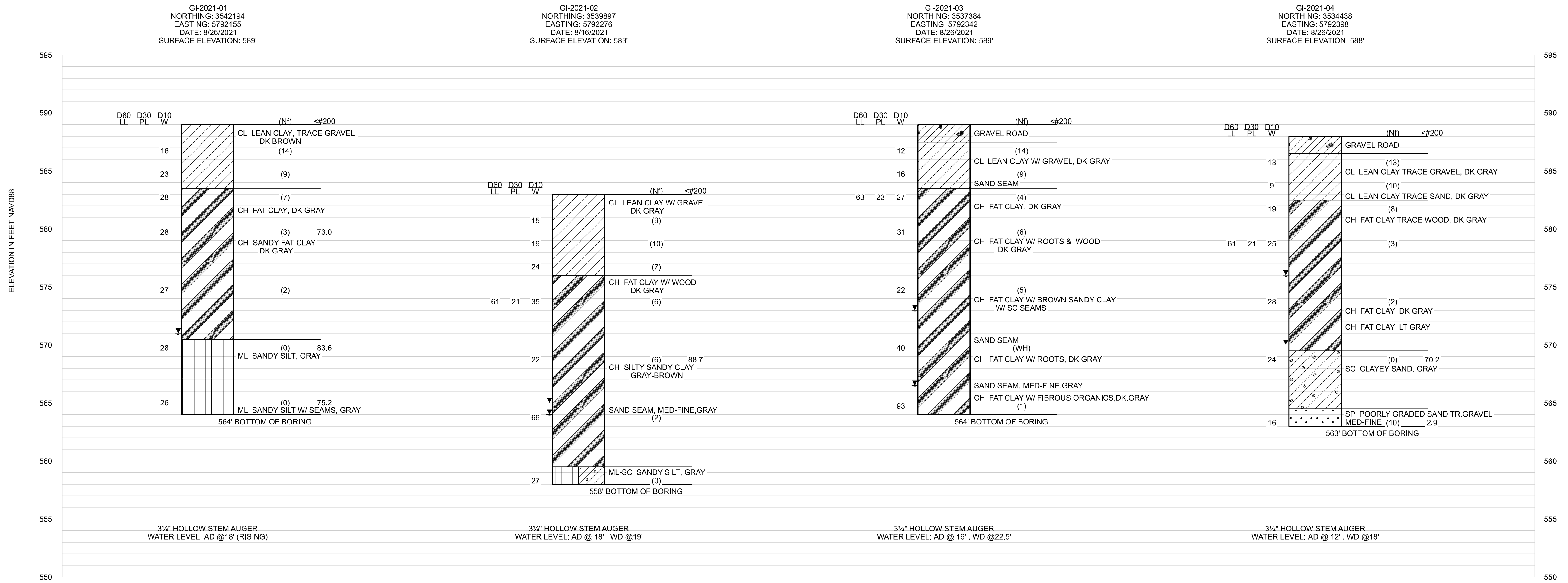
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| ROCK ISLAND, ILLINOIS 61201 | DRAWN BY:<br>D.SMITH<br>CHECKED BY:<br>SUBMITTED BY:<br>C.BISHOP<br>SIZE:<br>ANSIX | SOLICITATION NO.:<br>CONTRACT NO.:<br>B5GILD1202001 |
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JACKSON COUNTY, IA  
GREEN ISLAND HREP

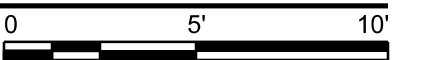
SHEET ID

3-601

## REVIEW



1983 IOWA NORTH STATE PLANE US SURVEY FEET



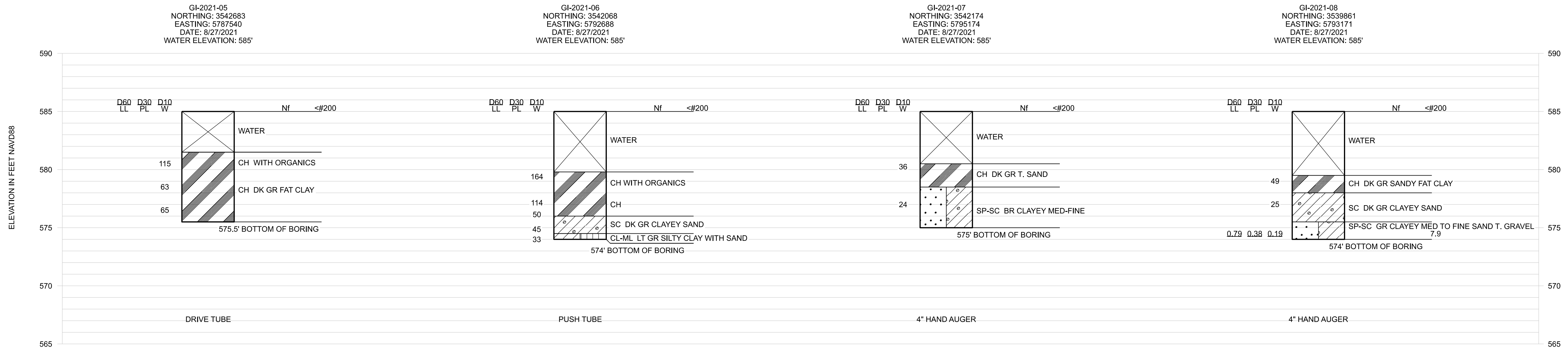
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| ROCK ISLAND, ILLINOIS 61201 | DRAWN BY:<br>D.SMITH | SOLICITATION NO.: |
|                             | CHECKED BY:          | CONTRACT NO.:     |
|                             | SUBMITTED BY:        |                   |
|                             | C.BISHOP             | B5GILD1202001     |
|                             | SIZE:                |                   |
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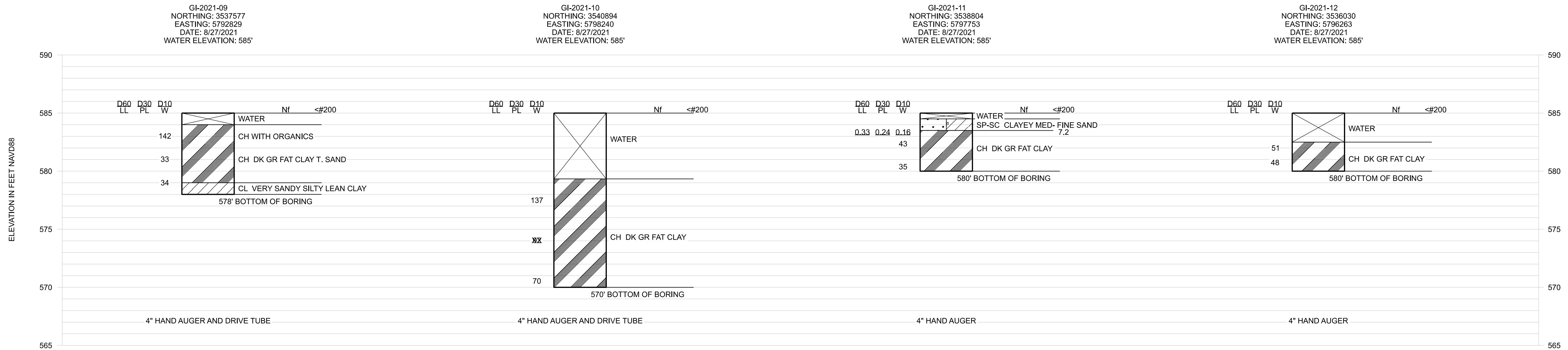
JACKSON COUNTY, IA  
GREEN ISLAND HREP

SHEET ID  
B-602

## REVIEW



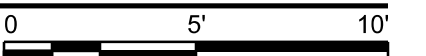
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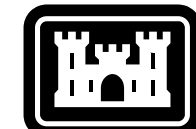
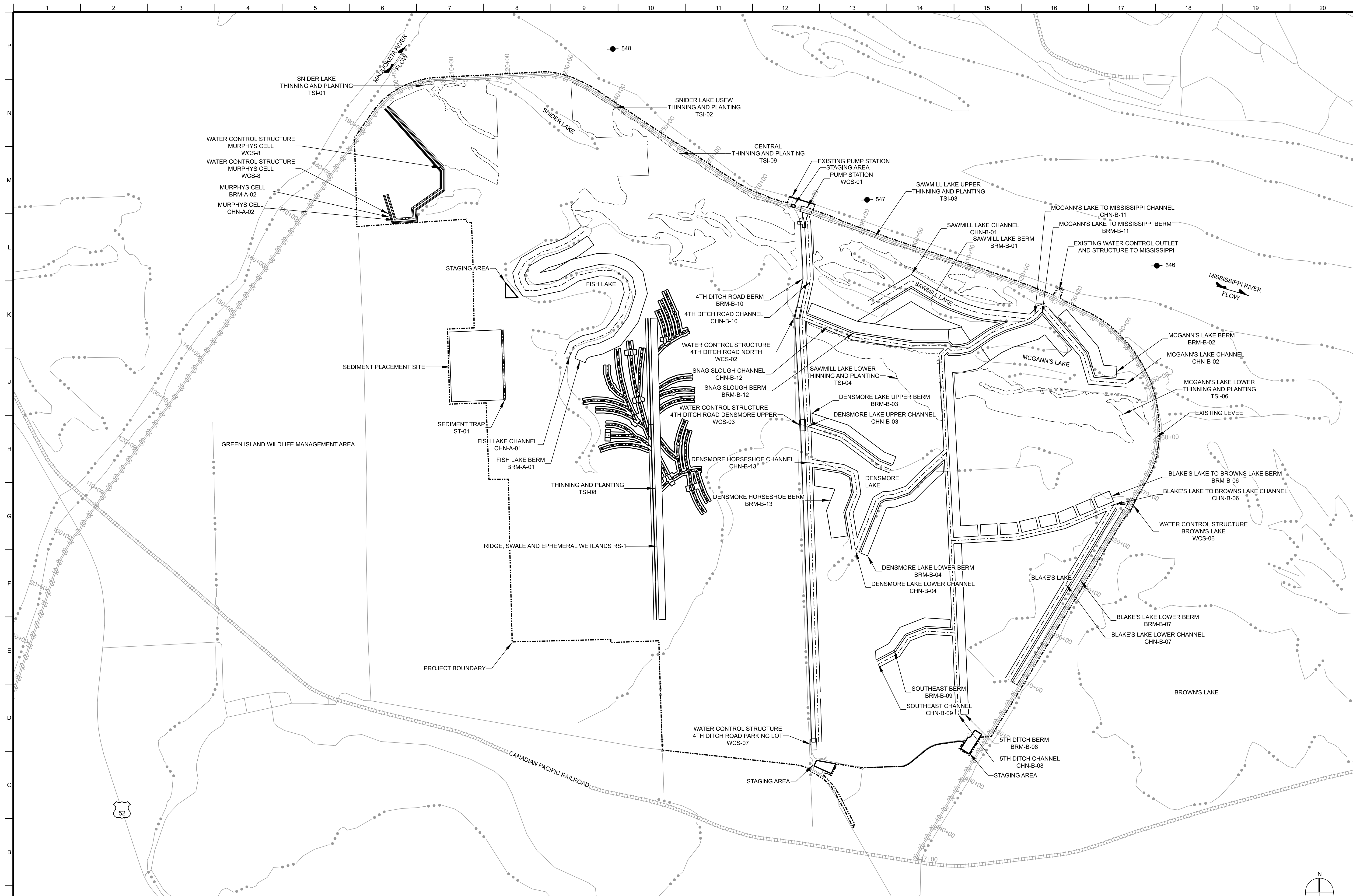
1983 IOWA NORTH STATE PLANE US SURVEY FEET

## DIAGRAM-BORING LOGS

SCALE: 1" = 5'







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[illegible]

|                                                      |                |                      |
|------------------------------------------------------|----------------|----------------------|
| U.S. ARMY CORPS OF ENGINEERS<br>ROCK ISLAND DISTRICT | ISSUE DATE:    | 2023/08/20           |
|                                                      | DESIGNED BY:   | C. DOWDA             |
|                                                      | DRAWN BY:      | ROCK ISLAND DISTRICT |
|                                                      | CHECKED BY:    | ROCK ISLAND DISTRICT |
| ROCK ISLAND, ILLINOIS 61201                          | CONTRACT NO.:  |                      |
|                                                      | SUBMITTED BY:  | A. HEDDLSTEN         |
|                                                      | BSGILDD1202001 |                      |
|                                                      | SIZE:          |                      |

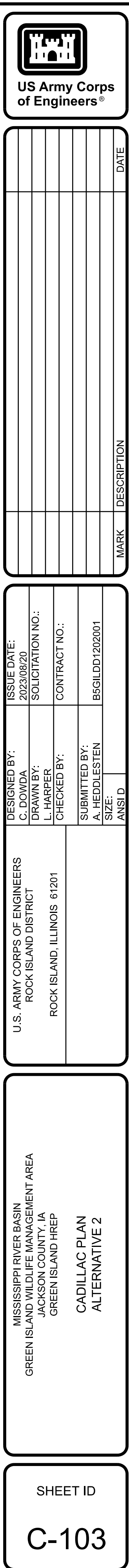
MISSISSIPPI RIVER BASIN  
GREEN ISLAND WILDLIFE MANAGEMENT AREA  
JACKSON COUNTY, IA

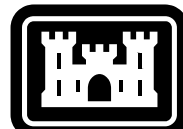
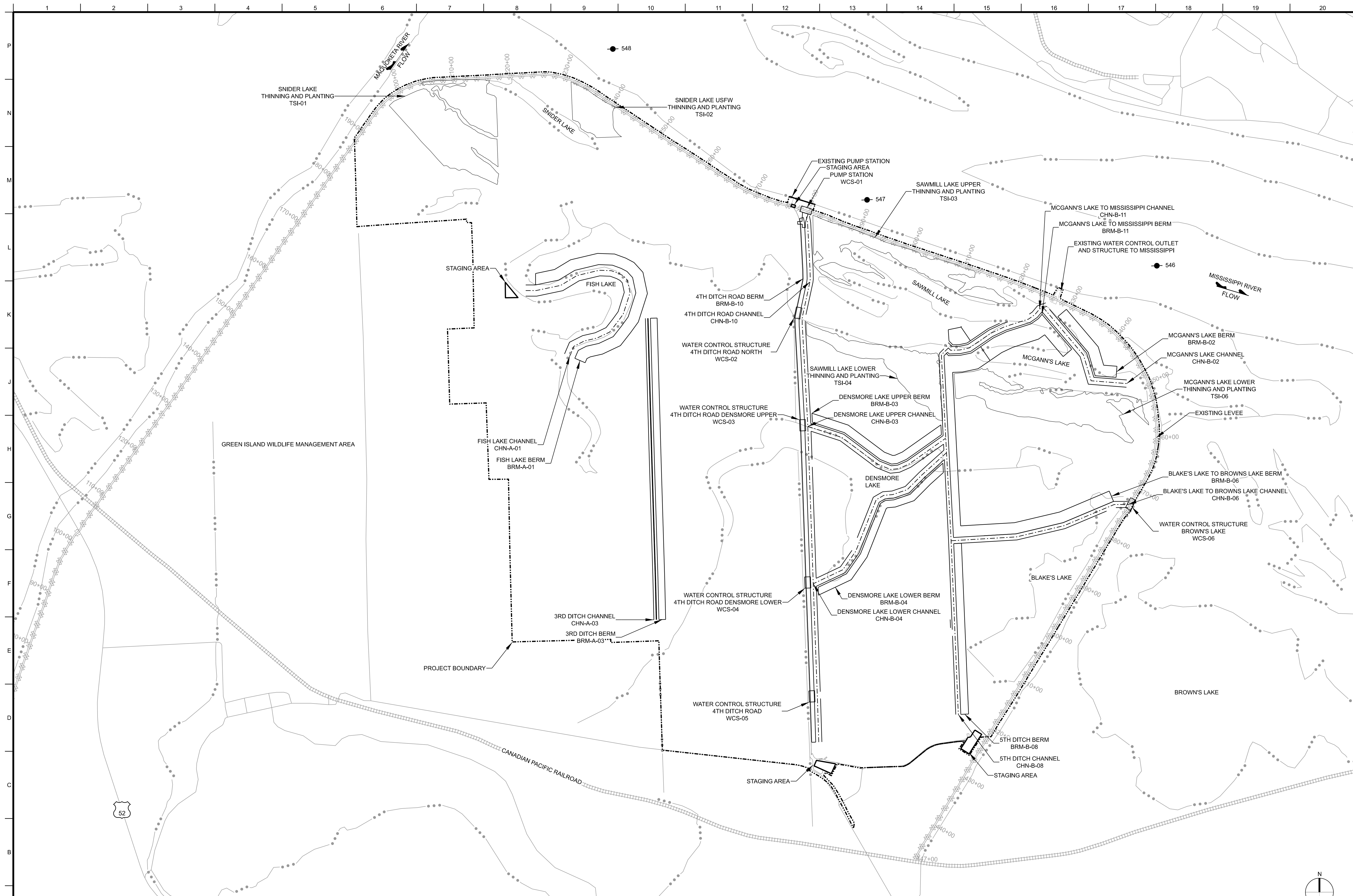
TENTATIVELY SELECTED PLAN

SHEET ID

C-102

## REVIEW





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|-----------------------------------------------------------------------------------------|---------------|-------------------|--|
| U.S. ARMY CORPS OF ENGINEERS<br>ROCK ISLAND DISTRICT<br><br>ROCK ISLAND, ILLINOIS 61201 | DESIGNED BY:  | ISSUE DATE:       |  |
|                                                                                         | G. KAYN BY:   | 2/23/08/20        |  |
|                                                                                         | L. HARPER     | SOLICITATION NO.: |  |
|                                                                                         | CHECKED BY:   | CONTRACT NO.:     |  |
|                                                                                         | SUBMITTED BY: |                   |  |
|                                                                                         | A. HEDDLESTEN | B5GLDD1202001     |  |
|                                                                                         | SIZE:         |                   |  |
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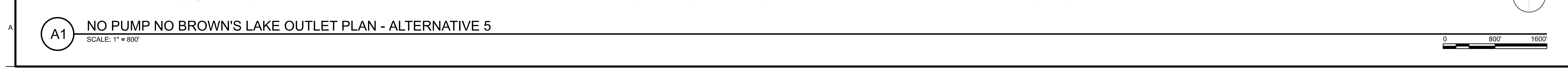
MISSISSIPPI RIVER BASIN  
GREEN ISLAND WILDLIFE MANAGEMENT AREA  
JACKSON COUNTY, IA  
GREEN ISLAND HREP

CRITICAL PLAN  
ALTERNATIVE 3

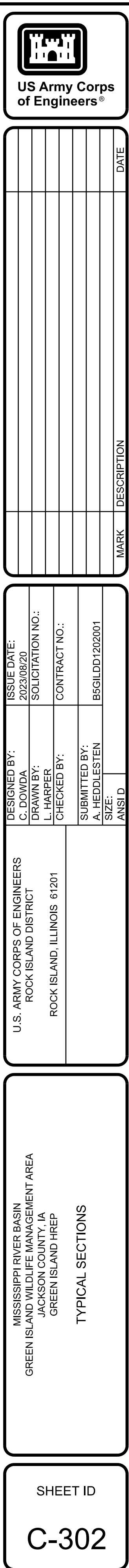
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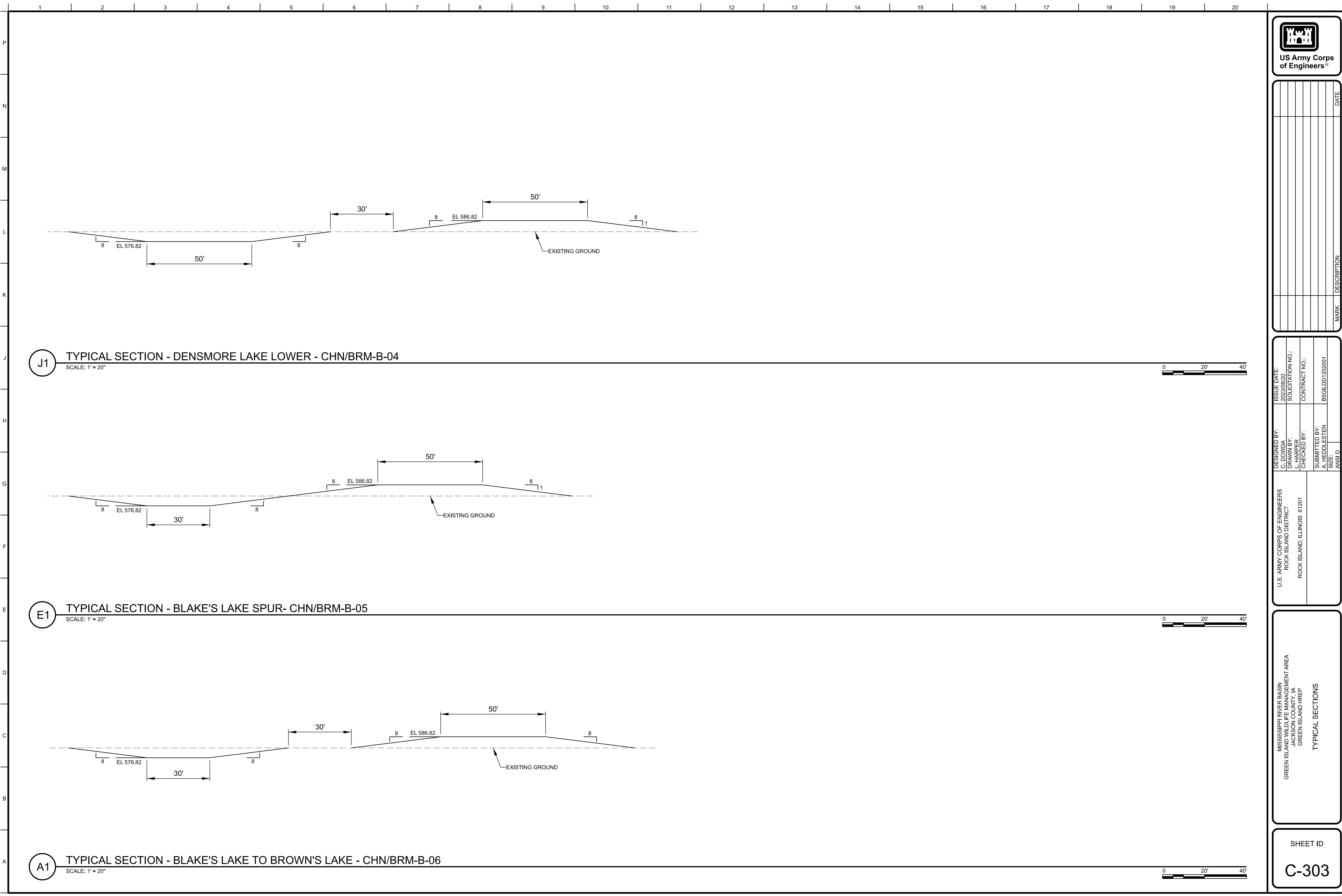
C-104

REVIEW







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|                             |                                |  |                   |
|-----------------------------|--------------------------------|--|-------------------|
| ROCK ISLAND, ILLINOIS 61201 | DRAWN BY:<br>L. HARPER         |  | SOLICITATION NO.: |
|                             | CHECKED BY:                    |  | CONTRACT NO.:     |
|                             | SUBMITTED BY:<br>A. HEDDLESTEN |  | B5GLDD1202001     |
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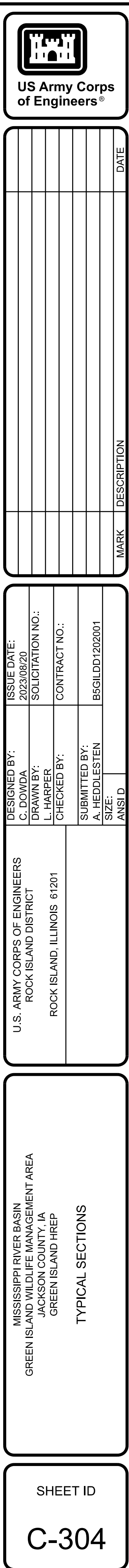
JACKSON COUNTY, IA  
GREEN ISLAND HREP

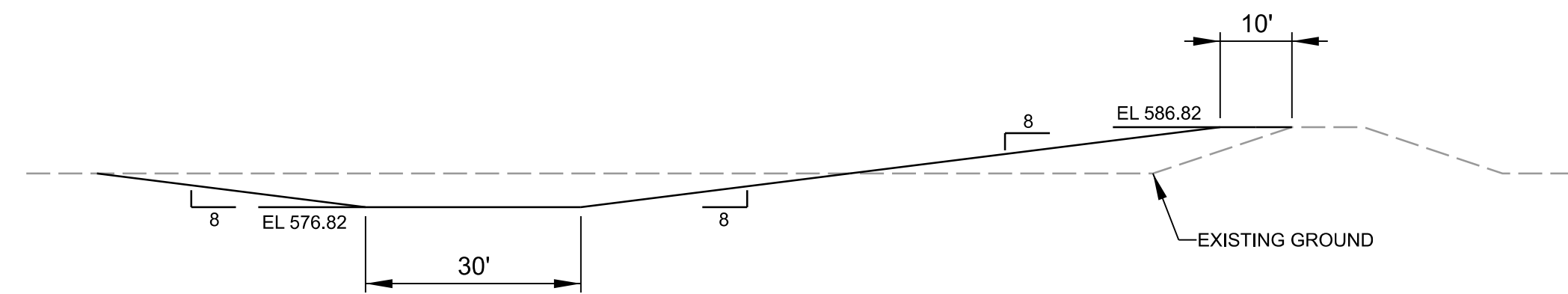
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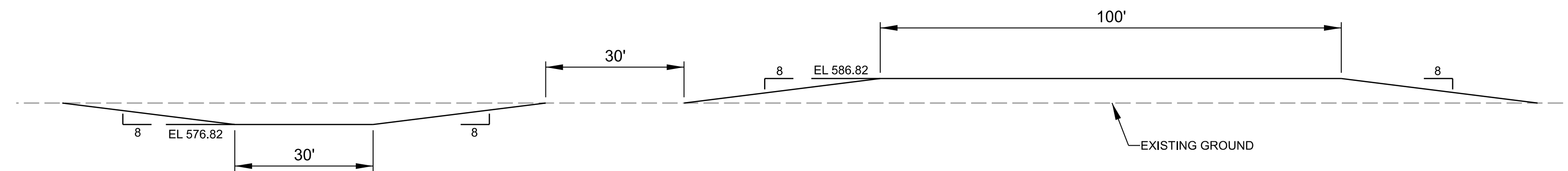
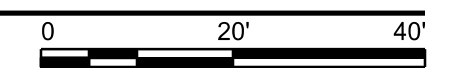
C-303

## REVIEW

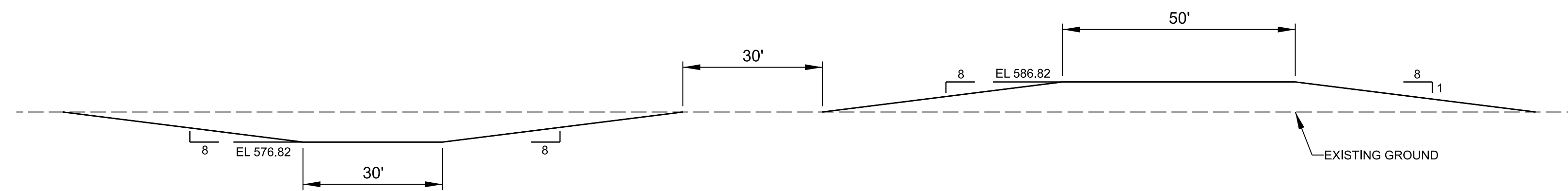
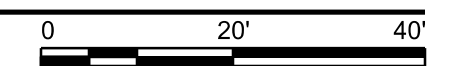




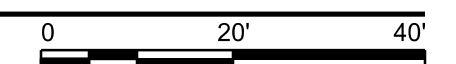
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SCALE: 1" = 20'



E1 TYPICAL SECTION - MCGANN'S LAKE TO MISS - CHN/BRM-B-11  
SCALE: 1" = 20'



A1 TYPICAL SECTION - SNAG SLOUGH - CHN/BRM-B-12  
SCALE: 1" = 20'

[illegible]

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|------------------------------------------------------|---------------|--------------|-------------------|--|
| U.S. ARMY CORPS OF ENGINEERS<br>ROCK ISLAND DISTRICT | DESIGNED BY:  | A302070      | ISSUE DATE:       |  |
|                                                      | DRAWN BY:     | L. HARRER    | SOLICITATION NO.: |  |
|                                                      | CHECKED BY:   |              | CONTRACT NO.:     |  |
|                                                      | SUBMITTED BY: | A. HEDDLSTEN | B5GLDD1202001     |  |
|                                                      | SIZE:         |              |                   |  |
|                                                      | ANSI D        |              |                   |  |

MISSISSIPPI RIVER BASIN  
GREEN ISLAND WILDLIFE MANAGEMENT AREA  
JACKSON COUNTY, IA  
GREEN ISLAND HREP

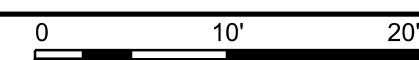
TYPICAL SECTIONS

SHEET ID

C-305

## REVIEW



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|-----------------------------------------------------------------------------------------|---------------|-------------------|
| U.S. ARMY CORPS OF ENGINEERS<br>ROCK ISLAND DISTRICT<br><br>ROCK ISLAND, ILLINOIS 61201 | DESIGNED BY:  | ISSUE DATE:       |
|                                                                                         | DRAWN BY:     | SOLICITATION NO.: |
|                                                                                         | CHECKED BY:   | CONTRACT NO.:     |
|                                                                                         | SUBMITTED BY: | B5GLDD1202001     |
|                                                                                         | SIZE:         |                   |

MISSISSIPPI RIVER BASIN  
GREEN ISLAND WILDLIFE MANAGEMENT AREA  
JACKSON COUNTY, IA  
GREEN ISLAND HREP

TYPICAL SECTIONS

TYPICAL SECTIONS

SHEET ID

C-307

REVIEW



[illegible]

|                             |                                                                                             |                                                      |
|-----------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------|
| ROCK ISLAND, ILLINOIS 61201 | DRAWN BY:<br>L. HARPER<br>CHECKED BY:<br>SUBMITTED BY:<br>A. HEDDLESTEN<br>SIZE:<br>ANS I D | SOLICITATION NO.:<br>CONTRACT NO.:<br>B5GILD01202001 |
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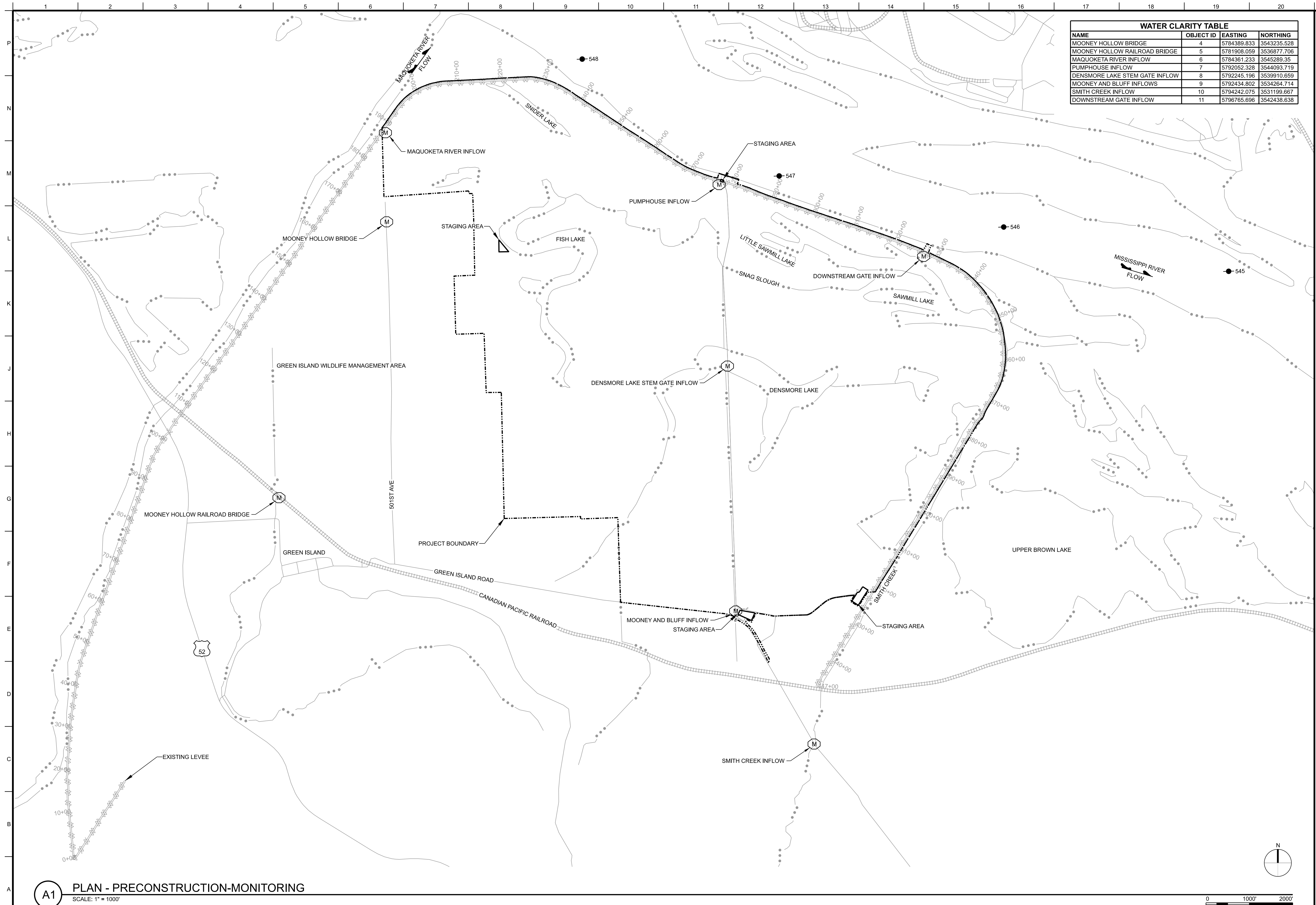
**ELEVATION  
PUMP STATION**

SHEET ID

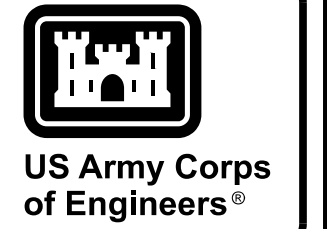
-201

## REVIEW





| NAME                           | OBJECT ID | EASTING     | NORTHING    |
|--------------------------------|-----------|-------------|-------------|
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| MOONEY HOLLOW RAILROAD BRIDGE  | 5         | 5781908.059 | 3536877.006 |
| MAQUOKETA RIVER INFLOW         | 6         | 5784361.233 | 3542589.35  |
| PUMPHOUSE INFLOW               | 7         | 5792052.328 | 3544093.719 |
| DENSMORE LAKE STEM GAGE INFLOW | 8         | 5792245.196 | 3539910.659 |
| MOONEY AND BLUFF INFLOWS       | 9         | 5792434.872 | 3542464.714 |
| SMITH CREEK INFLOW             | 10        | 5794242.075 | 3531199.667 |
| DOWNSTREAM GAGE INFLOW         | 11        | 5796765.696 | 3542438.638 |

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|                             |                                              |               |
|-----------------------------|----------------------------------------------|---------------|
| ROCK ISLAND, ILLINOIS 61201 | DESIGNED BY:<br>U.S. ARMY CORPS OF ENGINEERS | ISSUE DATE:   |
|                             | DRAWN BY:<br>ROCK ISLAND DISTRICT            | SOLUTION NO.: |
|                             | CHECKED BY:<br>L. HARPER                     | CONTRACT NO.: |
|                             | SUBMITTED BY:<br>JAMES L. DEESTEN            | BSGLDD1202001 |
|                             | SIZE:<br>ANSI D                              |               |

MISSISSIPPI RIVER BASIN  
GREEN ISLAND WILDLIFE MANAGEMENT AREA  
JACKSON COUNTY, IA  
GREEN ISLAND HREP

PLAN

PRE-CONSTRUCTION MONITORING

SHEET ID  
O-101

## REVIEW

