


IOWA DEPARTMENT OF NATURAL RESOURCES

CONSTRUCTION DOCUMENTS
FOR
TRIBOJI DOCK MANAGEMENT AREA
SHORELINE REPAIR & STABILIZATION

DICKINSON COUNTY, IOWA

PROJECT # 25-01-30-12



	<p>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.</p> <p>_____ SIGNATURE</p> <p>_____ DATE</p> <p>JEFFREY R. FELTS</p> <p>_____ PRINTED OR TYPED NAME</p> <p>MY LICENCE RENEWAL DATE IS: _____ DECEMBER 31, 2025</p> <p>PAGES COVERED BY THIS SEAL: _____</p>
---	--

DIRECTORY			
PROJECT MANAGER		CONSTRUCTION INSPECTOR	
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES
ADDRESS	951 STARVIEW DR	ADDRESS	
CITY,STATE,ZIP	HINTON IA, 501024	CITY,STATE,ZIP	
CONTACT	JEFF FELTS	CONTACT	JEFF FELTS
TELEPHONE	515-250-3712	TELEPHONE	515-250-3712
FAX		FAX	
EMAIL	jeff.felts@dnr.iowa.gov	EMAIL	jeff.felts@dnr.iowa.gov

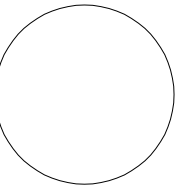
PROJECT DESCRIPTION

THIS PROJECT IS DESIGNED TO REPAIR SHORELINE EROSION DAMAGE FROM THE 2024 FLOODS WITH THE ADDITION OF SHORELINE REVETMENT STONE TO PREVENT FUTURE DAMAGE

<h2 style="margin: 0;">AUTHORIZATION TO BID</h2>	
AUTHORIZATION - PARKS WILDLIFE FISHERIES LAW ENFORCEMENT FORESTRY	DATE
ENGINEERING BUREAU CHIEF	DATE

[illegible]

CONSULTANT:

IOWA DEPARTMENT OF
NATURAL RESOURCES

COVER SHEET

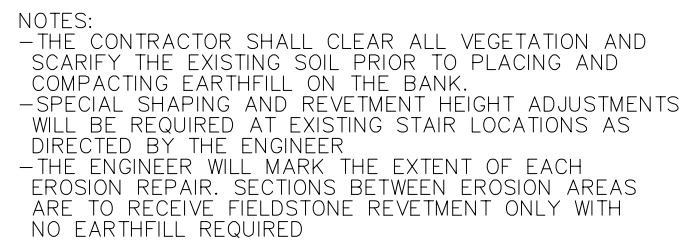
SHORELINE REPAIR & STABILIZATION FOR:

TRIBOJI DOCK MANAGEMENT AREA

DICKINSON COUNTY

NO.	BY DATE	REVISION
DRAWN BY:		PROJECT NUMBER: 25-01-30-12
CHK'D BY:		DATE:
SHEET: Also:		


A.01



NOT TO SCALE



NOT TO SCALE



ENGINEERING SERVICES
6200 PARK AVE, STE 200,
DES MOINES, IA 50312



DICKINSON COUNTY

NO.	BY	REVISION
	DATE	
DRAWN BY:		PROJECT NUMBER: 25-01-30-12
CHK'D BY:		DATE:
SHEET NO:		

SHEET No:

B.01

[illegible]

ESTIMATE REFERENCE INFORMATION	
ITEM NO.	DESCRIPTION
1	A. Traffic control is incidental to this line item. The contractor shall only close access to one area at a time maintaining access to the boat ramp for the public. Type 3 barricades and or snow fence shall be used to exclude the public from the work area. All closures shall be approved by the Engineer.
2	A. Trees marked for removal shall be flush cut as close to the ground as possible and the stump shall be treated with one herbicide application (Garlon 3A or equal) to prevent regrowth B. Tree debris shall be removed from the project site and disposed of by the contractor C. Tree removal will not be allowed prior to October 1 to comply with the 4B Bat Rule.
3	A. All earthfill for this project shall be supplied from an appropriate offsite borrow area approved by the Engineer. The material can be a mix of clays and/or topsoil, but shall be of an appropriate moisture content so that it can be placed and compacted as shown on the plans. B. A quality friable topsoil shall be used as the final 3"-6" lift to help with vegetation establishment.
4	A. As identified in the plan set the contractor shall remove the PCC staircase completely and dispose of the material offsite. Incorporation of broken concrete as revetment will not be allowed.
5	A. Material shall consist of natural fieldstone with sizes in close conformance with SUDAS Spec 9040-2.09. Due to the variation of fieldstone sizes and different methods of sorting, stones that don't directly fit the specified gradation, but fall within a general range of 6" to 36" will be accepted if well graded. B. All stone supplied for this project shall have the gradation checked and approved prior to delivering the material to the site. Coordinate inspection of the material with the project engineer.
6	A. This line item is intended to establish a price point to remove and replace 6" PCC sidewalk that is damaged during construction and approved for replacement. B. The PCC shall be a 4,000 mix design and approved by the engineer prior to construction C. No reinforcement will be required. Saw cutting to obtain a clean edge shall be incidental.
7	A. Material shall consist of a Type 3.B RECP per SUDAS Specification 9040-2.06. The netting shall be a natural fiber material and be 100% biodegradable. B. Installation shall be per Figure 9040.104 with steel staples.
8	A. Material shall consist of a standard density 9" Wattle per SUDAS Spec 9040-2.07. B. Installation shall be per Figure 9040.105 with a wooden stakes.
9	A. The contractor shall supply and complete seeding with a Type 1 seed mix (Permanent Lawn) per SUDAS Specification 9010-2.02. B. Fertilizing shall be completed prior to seeding but at half the specified rate or 150lb/acre. C. A nurse crop of Annual Rye grass shall be used with the seeding at at rate of 25lb/acre

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 grading areas to maintain surface drainage.

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.

The project specifications for this contract shall be the 2025 edition of Statewide Urban Design Standards (SUDAS) Standard Specifications unless otherwise noted

All required permits for this project have been obtained by the DNR.



ENGINEERING SERVICES
6200 PARK AVE, STE 200,
DES MOINES IA 50312



SHORELINE REPAIR & STABILIZATION FOR:

DICKINSON COUNTY

NO.	BY DATE	REVISION
DRAWN BY:	PROJECT NUMBER: 25-01-30-12	
CHECK'D BY:	DATE:	
SHEET No:		

C.01

- TREES IDENTIFIED FOR REMOVAL SHALL BE FLUSH CUT AND REMOVED FROM THE PROJECT SITE. STUMPS SHALL BE TREATED WITH GARLON 3A OR EQUAL
- SHORELINE FLOWERS, SHRUBS, AND GRASSES WITHIN, OR ADJACENT TO THE EARTH FILL AREAS SHALL BE REMOVED PRIOR TO THE PLACEMENT OF FILL.
- EXISTING ELECTRICAL BOXES ALONG THE SHORELINE SHALL REMAIN AND BE PROTECTED FROM DAMAGE.

BEACH AREA
-THE CONTRACTOR CAN CHOOSE TO USE THE BEACH AREA FOR SHORELINE ACCESS BUT ANY DAMAGE OR RESTORATION SHALL BE INCIDENTAL TO THE CONTRACT


EXISTING SIDEWALK

- LIMIT CROSSINGS OR EQUIPMENT TRACKING TO PREVENT DAMAGE
- A PLAN FOR CROSSINGS SHALL BE PRESENTED TO THE ENGINEER FOR APPROVAL AND WILL ESTABLISH THE BASIS FOR PAYMENT ON REMOVAL AND REPLACEMENT OF DAMAGED SECTIONS
- DAMAGE ON SECTIONS NOT APPROVED SHALL BE REPLACED BY THE CONTRACTOR AT NO COST THE THE DNR

EXISTING STAIRS AND STRUCTURES (TYP)
-PROTECT EXISTING PCC STAIRWAYS FROM DAMAGE DURING CONSTRUCTION.
-WOODING STAIRWAYS IN AREAS WHERE FILL IS REQUIRED SHALL BE REMOVED BY THE OWNER PRIOR TO CONSTRUCTION. OTHERS SHALL BE PROTECTED IN PLACE.
-EXISTING BUILDINGS SHALL BE PROTECTED IN PLACE

REMOVE PCC STAIRCASE

- REPAIR SECTION B - 380' OF SHORELINE
- SALVAGE EXISTING ROCK FROM ERODED AREAS AND PREP BANK FOR FILL
- INSTALL EARTHEN FILL IN ERODED AREAS TO RE-ESTABLISH BANK SLOPES
- REGRADE SLAVAGED ROCK AND ADD NEW CLASS "E" FIELDSTONE
REVTMENT FOR SHORELINE ARMORING
- SEE DETAIL B - PAGE B.01
- ESTIMATED QUANTITIES
 - EARTHFILL - 200 CY
 - REVTMENT STONE - 200 TN
 - RECP - 300SY
 - SEEDING - LUMP SUM



ENGINEERING SERVICES
6200 PARK AVE, STE 200,
DES MOINES, IA 50312



SHORELINE REPAIR & STABILIZATION FOR:

DICKINSON COUNTY

D.01