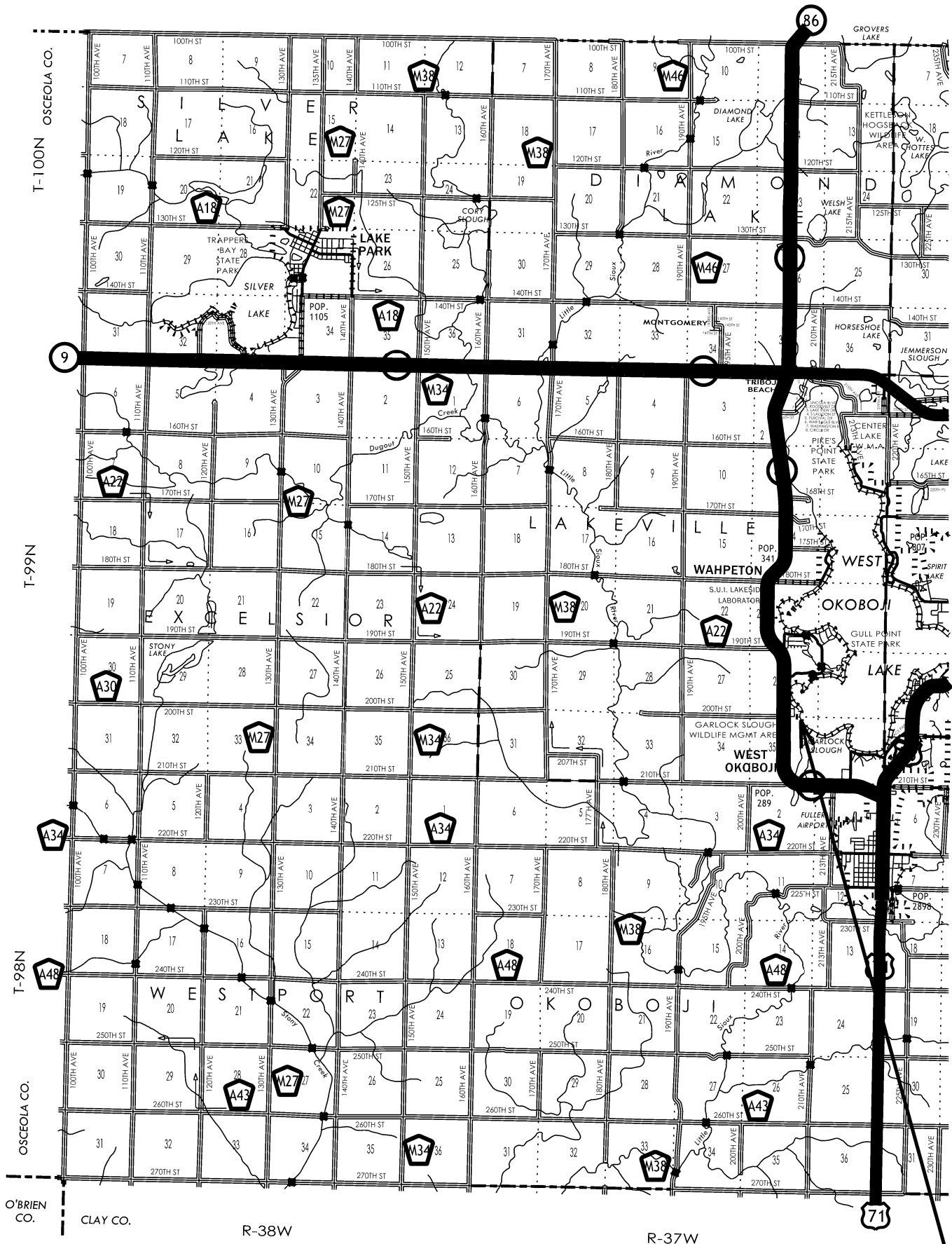


JACKSON CO.

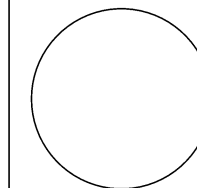
R-38W

R-37W



PROJECT LOCATION

CONSULTANT:



**IOWA DEPARTMENT OF
NATURAL RESOURCES**

ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



PROJECT LOCATION MAP SITE 1

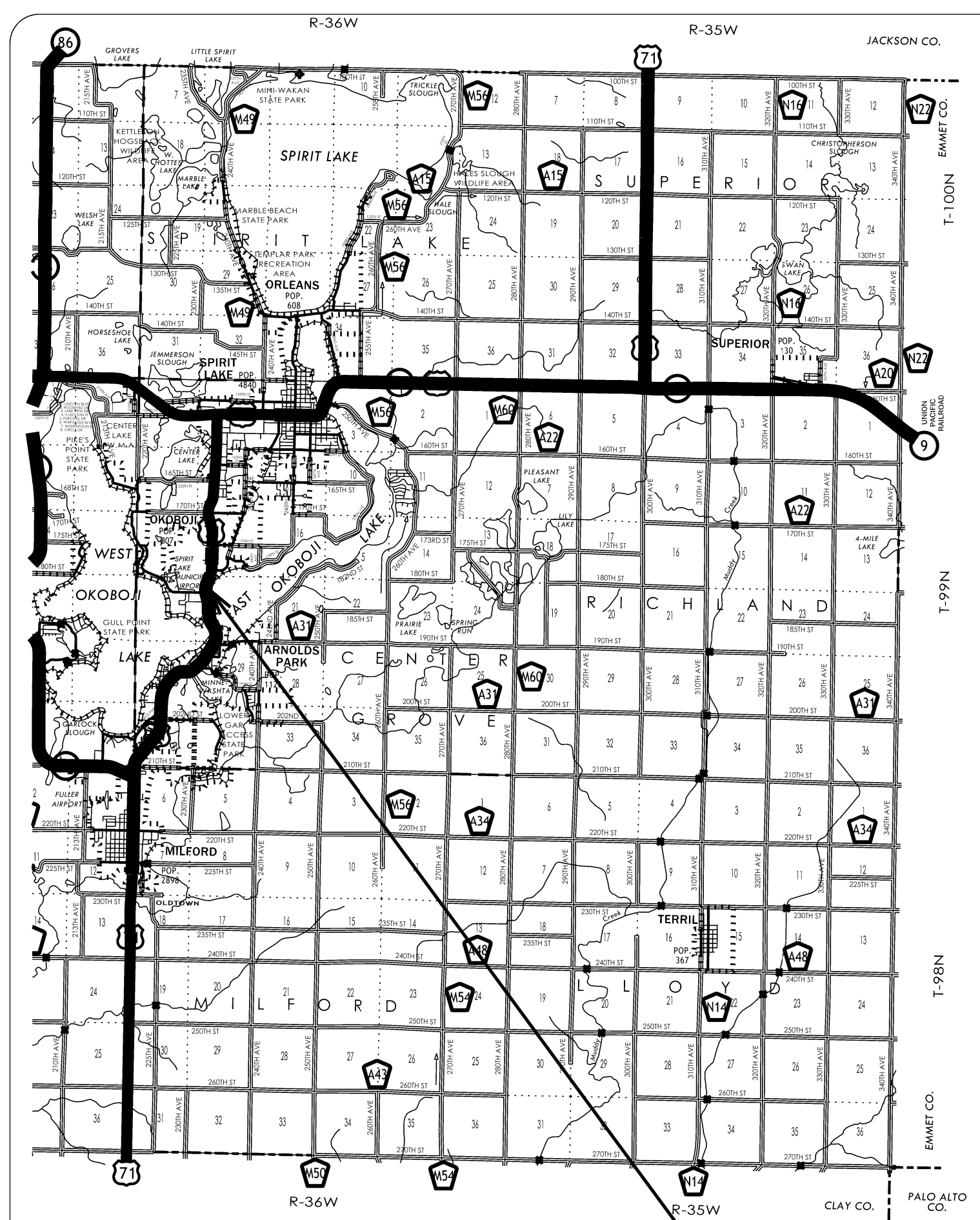
COURTESY DOCKS FOR:

EMERSON BAY & HATTIE ELSTON RAMPS

DICKINSON COUNTY

NO.	BY	REVISION

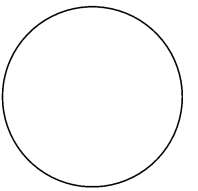
A.02



PROJECT LOCATION



CONSULTANT:



IOWA DEPARTMENT OF
NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



PROJECT LOCATION MAP SITE 2

COURTESY DOCKS FOR:

EMERSON BAY & HATTIE ELSTON RAMPS

DICKINSON COUNTY

NO.	BY	REVISION

DRAWN BY:	PROJECT NUMBER: 20-01-30-16
CHK'D BY:	DATE:

SHEET No:

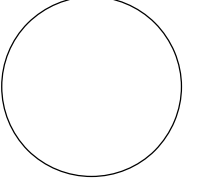
A.03

ESTIMATED PROJECT QUANTITIES			
ITEM NO.	ITEM	UNIT	TOTAL
1	COMMERCIAL FLOATING DOCK - CONCRETE DECK 8FT x 40FT W/GANGWAY	EA	2
2	COMMERCIAL FLOATING DOCK - CONCRETE DECK 8FT x 60FT W/GANGWAY	EA	1
3	REINFORCED CONCRETE 6" DEPTH, CLASS 'C'	S.Y.	53
4	CLASS A CRUSHED STONE	TONS	17

ESTIMATE REFERENCE INFORMATION	
ITEM NO.	DESCRIPTION
1	A. Commercial floating dock with concrete decking, 8ft x 40ft with aluminum gangway. Constructed with lift hooks and ability to disassemble for on site winter storage. The aluminum gangway shall be of commercial grade, 24ft long, and a minimum of 4ft wide. Gangway shall have a non-slip surface, handrails, and an ADA compliant transition plate.
2	A. Commercial floating dock with concrete decking, 8ft x 60ft with aluminum gangway with handrails. Constructed with lift hooks and ability to disassemble for on site winter storage, or towing to suitable storage location. The aluminum gangway shall be of commercial grade, 24ft long, and a minimum of 4ft wide. Gangway shall have a non-slip surface, handrails, and an ADA compliant transition plate.
3	A. M-4 concrete to be installed between boat ramps, dimensions are 10' x 24' x 6". Reinforcing will be No. 5 rebars placed on 2' centers, broomed finish. B. Excavation, grading, and compaction are incidental to this bid item.


GENERAL NOTES
<p>Verify actual locations and elevations with DNR Engineer.</p> <p>All work shall conform to and be performed in accordance with all applicable codes and ordinances.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>The contractor shall shape graded area to maintain surface drainage. All elevations are to finish grade.</p> <p>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.</p>

CONSULTANT:



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ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



QUANTITIES AND GENERAL INFORMATION

COURTESY DOCKS FOR:
EMERSON BAY & HATTIE ELSTON RAMPS
DICKINSON COUNTY

NO.	BY	REVISION

DRAWN BY:	PROJECT NUMBER:
	20-01-30-16
CHK'D BY:	DATE:

SHEET No:

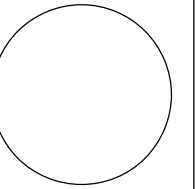
C.01



NOTES:

1. CONTRACTOR SHALL EXCAVATE MATERIAL FROM BETWEEN RAMPS, PLACE 6" OF CLASS A CRUSHED STONE, AND PLACE CONCRETE AS DIRECTED BY DNR INSPECTOR.
2. CONTRACTOR SHALL REMOVE EXISTING DOCKS AND INSTALL NEW FLOATING DOCKS AND GANGWAYS. EXISTING DOCKS WILL BE PLACED AS DIRECTED BY DNR INSPECTOR.
3. FLOATING DOCKS WILL BE 8' WIDE BY 40' IN LENGTH AND BE CONSTRUCTED SO THAT THEY CAN BE DISASSEMBLED AND STORED ON SITE DURING THE WINTER MONTHS.
4. GANGWAY SHALL BE 4' WIDE (MIN.) BY 24' LONG.
5. DECKING FOR DOCKS SHALL BE 2' X 2' CONCRETE PAVERS.

CONSULTANT:



**IOWA DEPARTMENT OF
NATURAL RESOURCES**

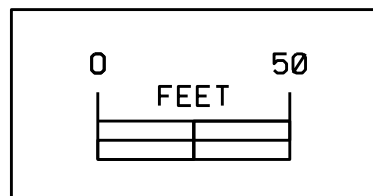
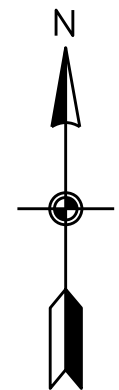
ENGINEERING SERVICES - WALLACE BUILDING
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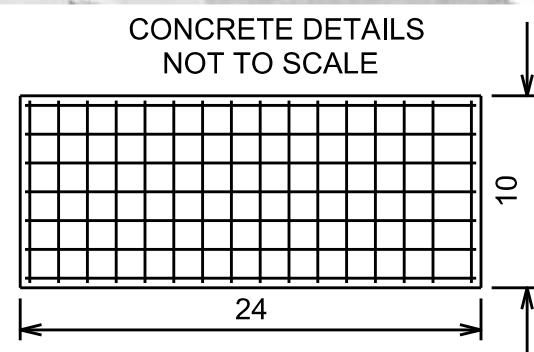
SITE PLAN - EMERSON BAY

COURTESY DOCKS FOR:
EMERSON BAY & HATTIE ELSTON RAMPS

DICKINSON COUNTY



CONCRETE DETAILS
NOT TO SCALE



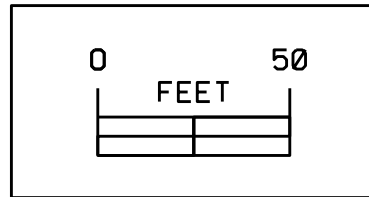
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DRAWN BY: PROJECT NUMBER:
20-01-30-16

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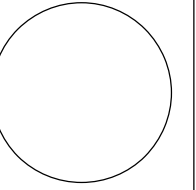
SHEET NO:

D.01



- NOTES:**
1. CONTRACTOR SHALL REMOVE EXISTING DOCK AND INSTALL NEW FLOATING DOCK AND GANGWAY. EXISTING DOCK WILL BE PLACED AS DIRECTED BY DNR INSPECTOR.
 2. FLOATING DOCK WILL BE 8' WIDE BY 60' IN LENGTH AND CONSTRUCTED SO THAT IN CAN BE DISASSEMBLED AND STORED ON SITE, OR TOWED TO A SUITABLE STORAGE AREA.
 3. GANGWAY SHALL BE 4' WIDE (MIN.) BY 24' LONG.
 4. DECKING FOR DOCK SHALL BE 2' X 2' CONCRETE PAVERS.

CONSULTANT:



IOWA DEPARTMENT OF NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



SITE PLAN - HATTIE ELSTON

COURTESY DOCKS FOR:
EMERSON BAY & HATTIE ELSTON RAMPS
DICKINSON COUNTY

NO.	BY	REVISION

DRAWN BY: PROJECT NUMBER:
20-01-30-16

CHK'D BY: DATE:

SHEET NO:

D.02