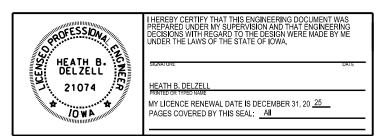
IOWA DEPARTMENT OF NATURAL RESOURCES

CONSTRUCTION DOCUMENTS FOR STORM LAKE MARINA PAVEMENT STRIPING AND REPAIR

BUENA VISTA COUNTY, IOWA

PROJECT # 24-01-11-02



DIRECTORY						
PROJECT MANAGER		CONSTRUCTION INSPECTOR				
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES			
ADDRESS	502 EAST 9TH STREET	ADDRESS				
CITY,STATE,ZIP	DES MOINES, IA, 50319	CITY,STATE,ZIP				
CONTACT	HEATH DELZELL	CONTACT	JEFF FELTS			
TELEPHONE	515-979-0104	TELEPHONE	515-250-3712			
FAX	515-281-8685	FAX				
EMAIL	heath.delzeI@dnr.iowa.gov	EMAIL	jeff.felts@dnr.iowa.gov			



PROJECT DESCRIPTION This project consists of striping the parking lot, replacing two sections of permeable brick pavers with concret constructing an ADA curb ramp to the ramp dock, removing and disposal of the fish cleaning station,

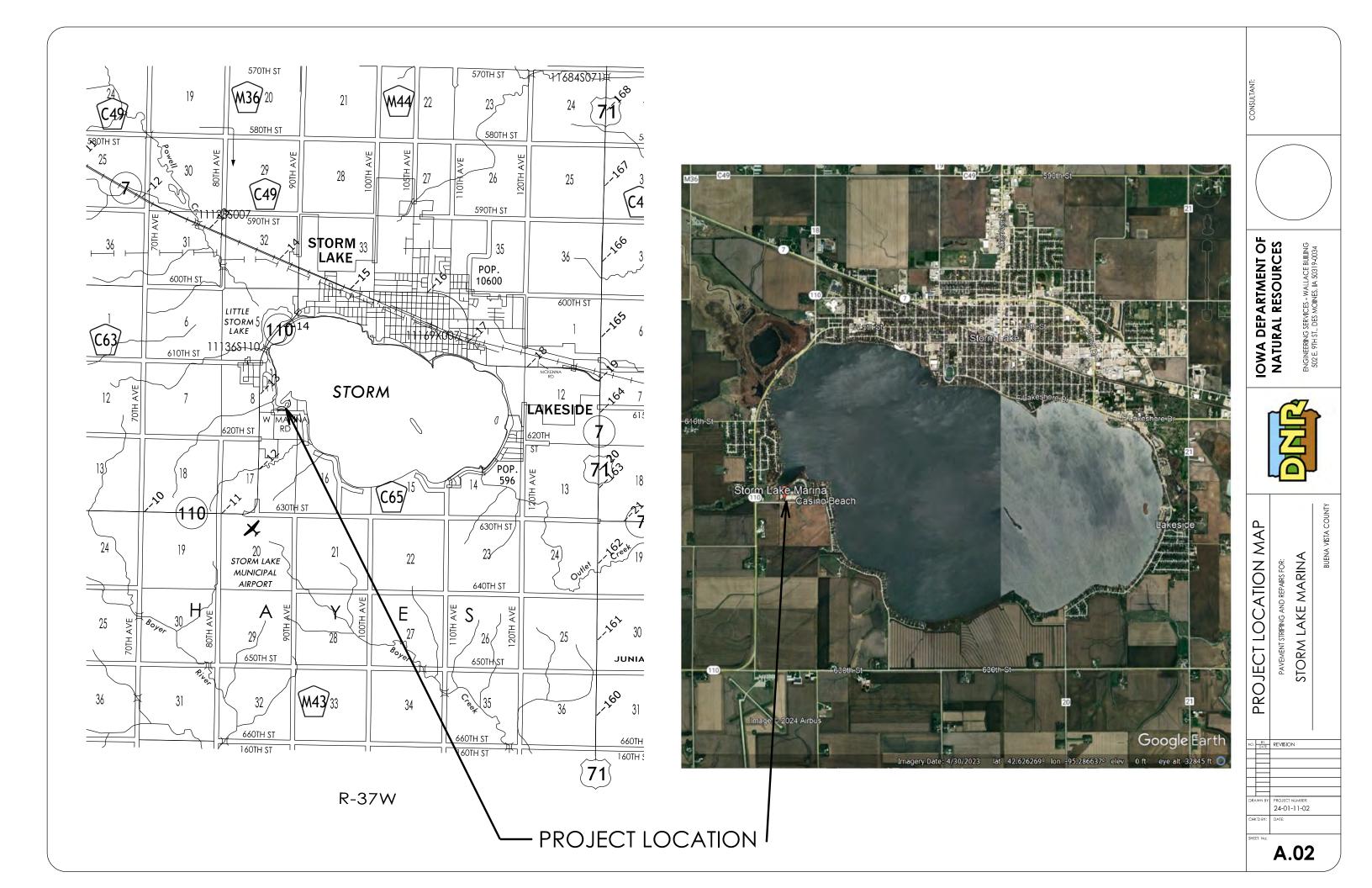
reconfiguring and relocating the courtesy dock, and installing ADA parking signage.

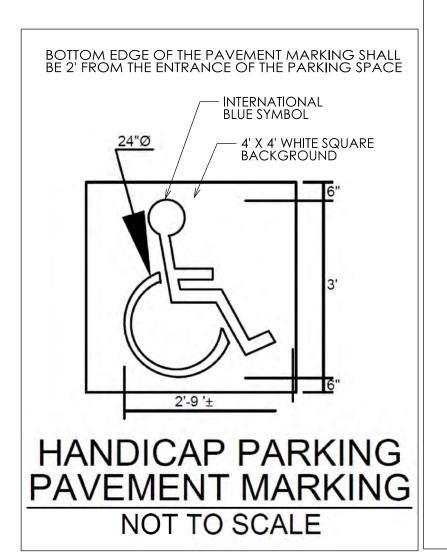
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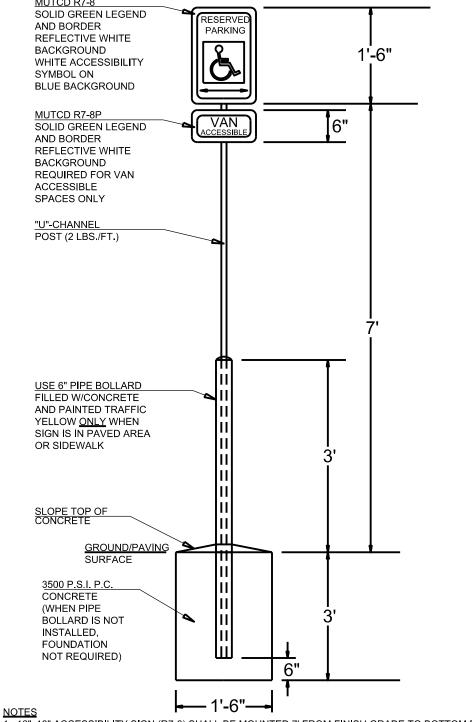
-	AUTHORIZATION - PARKS WILDLIFE FISHERIES LAW ENFORCEMENT I	ORESTRY	DATE
-	ENGINEERING BUREAU CHIEF	DATE	

AUTHORIZATION TO BID

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1. 12"x18" ACCESSIBILITY SIGN (R7-8) SHALL BE MOUNTED 7' FROM FINISH GRADE TO BOTTOM EDGE OF SIGN FACE. MOUNTING HEIGHT MAY BE REDUCED TO 5' IF PLACED IN A LANDSCAPE AREA IN WHICH PEDESTRIANS ARE NOT EXPECTED TO USE.

- 2. BOLLARD MAY BE OMITTED IF INSTALLED IN LANDSCAPE AREAS. WHEN INSTALLED IN LANDSCAPE AREAS, MOUNTING POST SHALL BE DRIVEN A MINIMUM OF 3' BELOW FINISHED GRADE. ALTERNATE MOUNTING POSTS MUST BE APPROVED BY THE FIELD INSPECTOR PRIOR TO CONSTRUCTION. 3. SIGNAGE SHALL BE INSTALLED IN FRONT OF EACH ACCESSIBLE SPACE, CENTERED ON THE WIDTH
- 4. REFER TO AMERICANS WITH DISABILITIES ACT AND ARCHITECTURAL BARRIERS ACT ACCESSIBILITY GUIDELINES (ADAAG), LATEST EDITION, FOR REQUIRED NUMBER OF ACCESSIBLE SPACE. PER ADAAG, ONE VAN ACCESSIBLE SPACE SHALL BE PROVIDED, MINIMUM, WITH ADDITIONAL VAN ACCESSIBLE SPACES PER ADAAG REQUIREMENTS.
- 5. ALL SIGNAGE SHALL BE ENGINEER GRADE .080 ALUMINUM REFLECTIVE SIGN MEETING THE

HANDICAP SIGN DETAIL NOT TO SCALE



IOWA DEPARTMENT OI NATURAL RESOURCES

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



STRIPING AND REPAIRS FOR: I LAKE MARINA

CROSS SECTIONS AND DETAILS

STORM

TYPICAL (NO. BY REVISION 24-01-11-02

B.01

ESTIMATED PROJECT QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
1	Mobilization	Lump Sum	1
2	Construction Staking	Lump Sum	1
3	Pavement Removal	SY	10
4	Paver Removal	SY	112
5	Remove Curb	Lump Sum	1
6	Remove and Replace Curb and Gutter	LF	107
7	Excavation, Core Out	CY	2
8	Special Backfill	Tons	3
9	6" PCC (parking)	SY	110
10	5" PCC (sidewalk)	SY	10
11	Truncated Domes	SF	20
12	Pavement Striping Removal	LF	2,212
13	Pavement Symbol Removal	Each	13
14	Pavement Striping	LF	6,763
15	ADA Pavement Symbol	Each	13
16	ADA Parking Sign	Each	2
17	ADA Van Parking Sign	Each	7
18	Demolish Fish Cleaning Station	Lump Sum	1
19	Relocate and Reconfigure Courtesy Dock	Lump Sum	1

ESTIMATE REFERENCE INFORMATION

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ITEM NO.	DESCRIPTION		
1	A. Site restoration, including backfilling and seeding along the sidewalk, is incidental to this line item.		
2	A. Control points and an electronic design file will be provided to the contractor.		
5.	A. Curb may be ground flush with the roadways and sidewalk or removed and replaced with concrete. Final surface shall meet ADA requirements for grade and smoothness.		
4.	A. Relocating rectangular border pavers and any necessary cutting of square pavers is incidental to this line item.		
9.	A. Polyethylene moisture barrier is required under parking lot pavement. B. Control joints shall match existing joints as directed by the engineer, incidental to this line item. C. Concrete shall be C-Mix.		
10.	A. Control joints shall be cut into sidewalk at 5 ft. intervals, approximately, and are incidental to this line item.		
16.	A. Sign posts shall be located either 2.5 ft from the back of the curb or centered between the curb and the sidewalk.		
17.	A. Sign posts shall be located either 2.5 ft from the back of the curb or centered between the curb and the sidewalk.		
18.	A. Disconnect and dispose of the existing fish cleaning station. This includes the transition plate and beyond.		
19.	A. Minor grading required to reinstall the courtesy dock is incidental to this line item. B. All necessary hardware required to relocate and reconfigure dock is incidental to this line item.		

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.

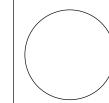
It shall be the contractor's responsibility to provide waste areas or disposal sites for excess material (excavated material or broken concrete) which is not desirable to be incorporated into the work involved on this project. No payment for overhaul will be allowed for material hauled to these sites. 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 graded area to maintain surface drainage. All elevations are to finish grade.

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.



IOWA DEPARTMENT OF NATURAL RESOURCES

INGINEERING SERVICES - WALLACE BUILING 502 E. 9TH ST., DES MOINES, IA 50319-0034



STORM LAKE MARINA

Quantities and General Information NO. BY REVISION 24-01-11-02

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