## IOWA DEPARTMENT OF NATURAL RESOURCES

# FOR MISSOURI RIVER WILDLIFE UNIT LITTLE SIOUX DELTA BOAT RAMP

# HARRISON COUNTY, IOWA

PROJECT #14-04-43-01





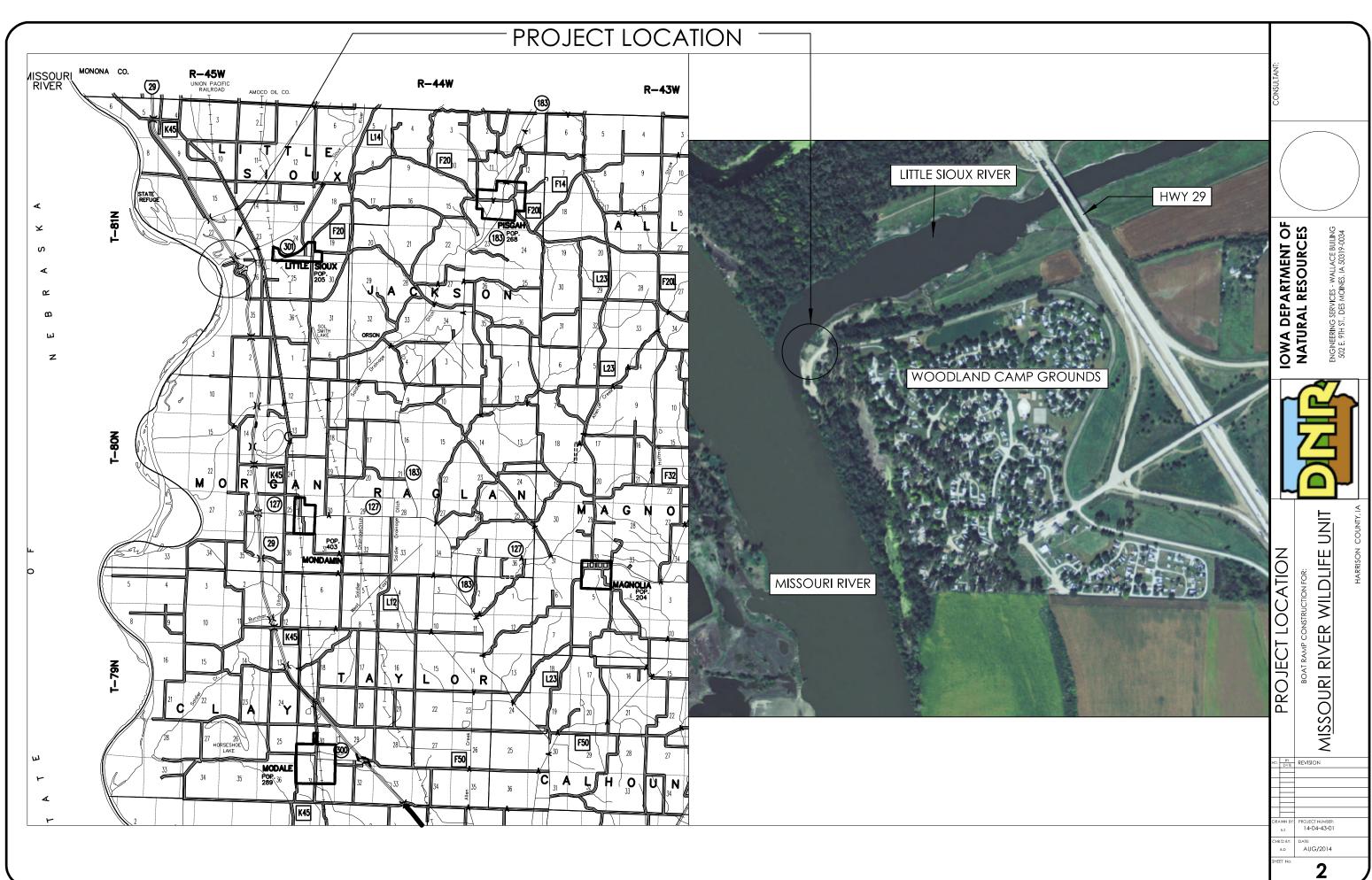
DIRECTORY					
PROJECT MANAGER		CONSTRUCTION INSPECTOR			
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES		
ADDRESS	502 EAST 9TH STREET	ADDRESS	502 EAST 9TH STREET		
CITY,STATE,ZIP	DES MOINES, IA 50319	CITY,STATE,ZIP	DES MOINES, IA 50319		
CONTACT	BUTCH DOORENBOS	CONTACT	MARK JOHNSON		
TELEPHONE	515-250-8123	TELEPHONE	515-250-3713		
FAX		FAX			
EMAIL	Butch.Doorenbos@dnr.iowa.gov	EMAIL	Mark.Johnson@dnr.iowa.gov		

### PROJECT DESCRIPTION

THIS PROJECT INVOLVES CONSTRUCTION OF A NEW BOAT RAMP AND PROTECTING THE ADJACENT SHORELINE WITH RIP RAP AND OTHER INCIDENTAL WORK AS REQUIRED BY D.N.R CONSTRUCTION INSPECTOR IN HARRISON COUNTY, IOWA.

# AUTHORIZATION TO BID AUTHORIZATION - PARKS | WILDLIFE | FISHERIES | LAW ENFORCEMENT | FORESTRY ENGINEERING BUREAU CHIEF DATE

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### **ESTIMATED PROJECT QUANTITIES**

ITEM	DESCRIPTION	UNIT	TOTAL	
1	MOBILIZATION	LUMP SUM	1	
2	CLEARING AND GRUBBING	LUMP SUM	1	
3	SURFACE CLASS "A" CRUSHED STONE (RAMP BASE)	TONS	62	
4	CONCRETE STRUCTURAL CLASS "C" 6" DEPTH	SQ.YD	238	
5	REVETMENT CLASS "E" RIP RAP	TONS	323	
6	EXCAVATION	C.Y	116	
7	SITE RESTORATION	LUMP SUM	1	
8	SURFACE CLASS "A" CRUSHED STONE (PARKING LOT)	TONS	278	
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### NOTE:

AT ELEV: 1015.5, THE RIVER FLOW IS 50,000 CFS AND ITS AT 25% EXCEEDENCE MISSOURI RIVER MILE 669.2

AT ELEV: 1010.0, THE RIVER FLOW IS 27,000 CFS MINIMUM DAILY FLOW JUNE, JULY AT MISSOURI RIVER MILE 669.2

AT ELEV:1008.5, THE RIVER FLOW IS 20,000 CFS AND MINIMUM DAILY FLOW APRIL, MAY, AUG, SEPT, OCT MISSOURI RIVER MILE 669.2

AT ELEV:1005.8, THE RIVER FLOW IS 12,000 CFS AND MINIMUM DAILY FLOW JAN, FEB, NOV, DEC MISSOURI RIVER MILE 669.2

### **GENERAL NOTES:**

ITEM	DESCRIPTION
A.	The contractor shall notify the following two weeks prior to construction:  1. District Inspector:  MARK JOHNSON (515)-250-3713
D	2. Project Manager: BUTCH DOORENBOS (515)-281-8123 The contractor shall verify get valle egitions and elevations with the D.N.B. Inspector.
В. С.	The contractor shall verify actual locations and elevations with the D.N.R Inspector.  All work shall conform to and be performed in accordance with all applicable codes and ordinances.
D.	The contractor shall visit the site and inspect the project area and thoroughly familiarize themselves with the actual job conditions prior to the start of work. Failure to visit the project site shall not relieve the contractor from performing the work in accordance to the plans, specifications, special provisions and contract.
E.	The contractor shall verify, at the site, all dimensions and conditions shown on the plans and shall notify the D.N.R Inspector of any discrepancies, omissions and/or conflicts prior to proceeding with the work.
F.	The contractor is responsible for providing waste area or disposal 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 D.N.R Inspector.
G.	The contractor shall not disturb desirable grass areas and desirable trees outside 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 D.N.R inspector.
Н.	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.
I.	The contractor shall be responsible for any damage to existing facilities resulting from their negligence, or that of a subcontractor, and said repairs shall be approved by the owner.
J.	Existing roadway and parking area shown on sheet 4 is a relatively flat area at elev. 1022.00. Blade this area smooth prior to applying class A crushed stone to parking lot area(dimension shown on sheet 9). Minor bladeing and grading is incidental to clearing and grubbing; it is not a separate bid item.



IOWA DEPARTMENT OF NATURAL RESOURCES

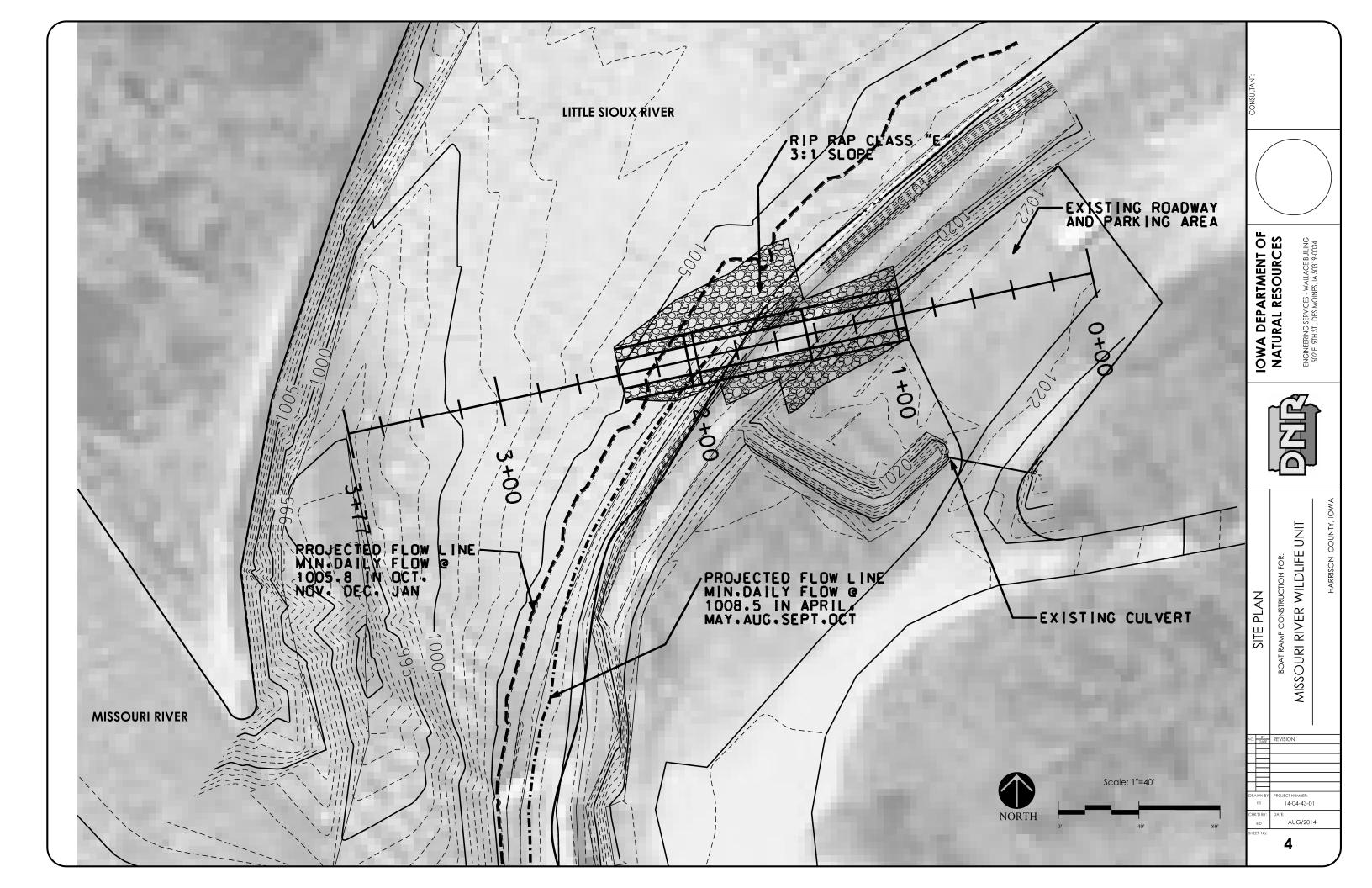
engineering Services - wallace Builing 502 E. 9TH ST., DES Moines, IA 50319-0034



MISSOURI RIVER WILDLIFE UNIT

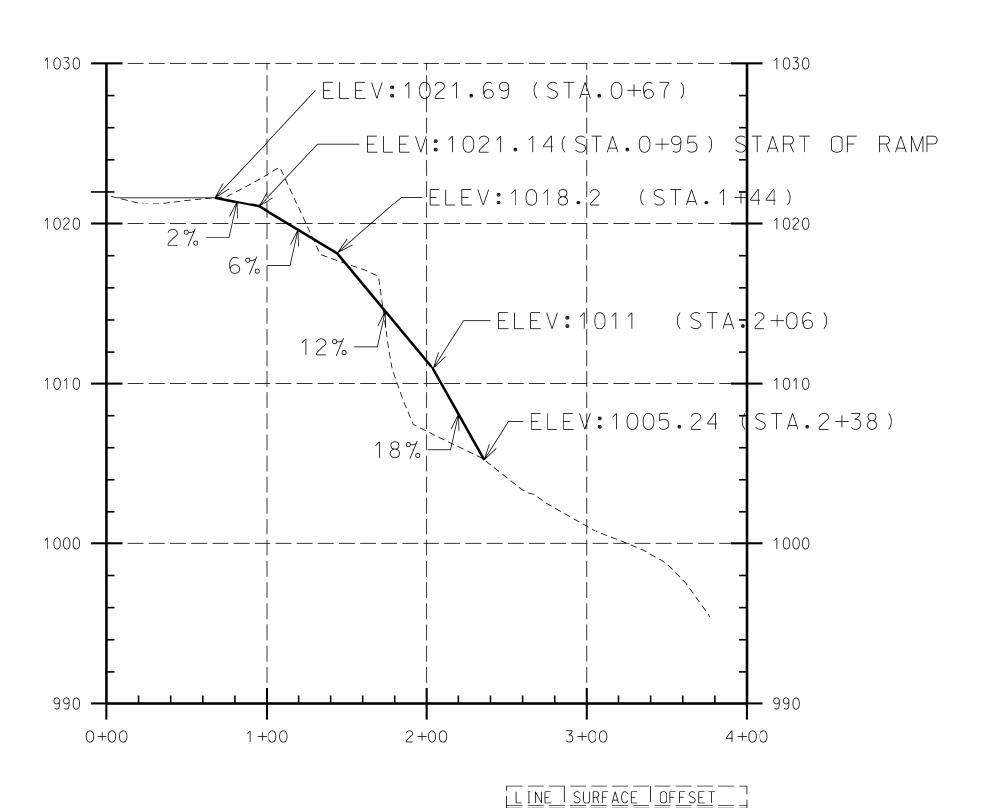
ESTIMATED QUANTITIES

DATE REVISION 14-04-43-01 AUG /2014

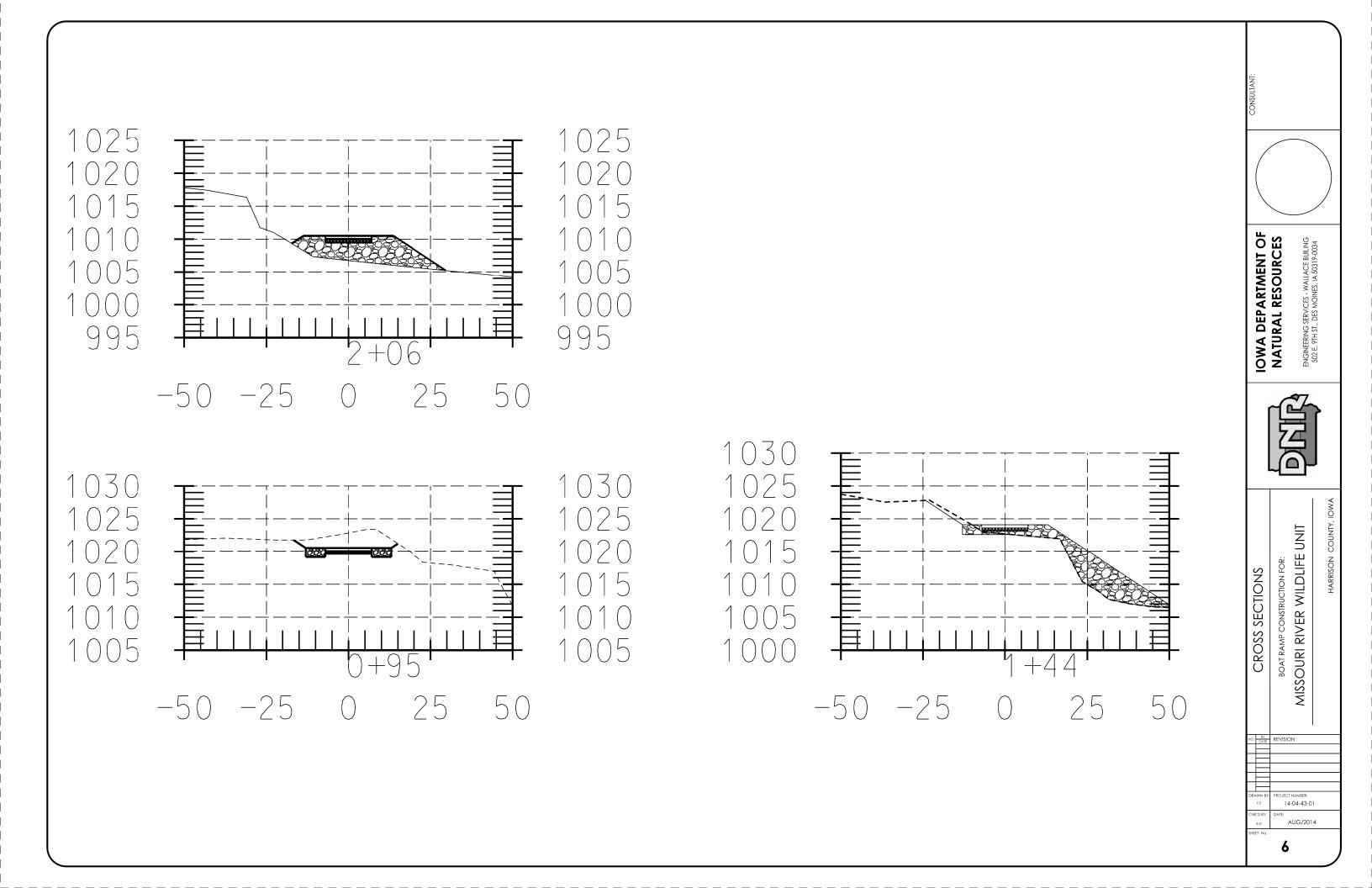


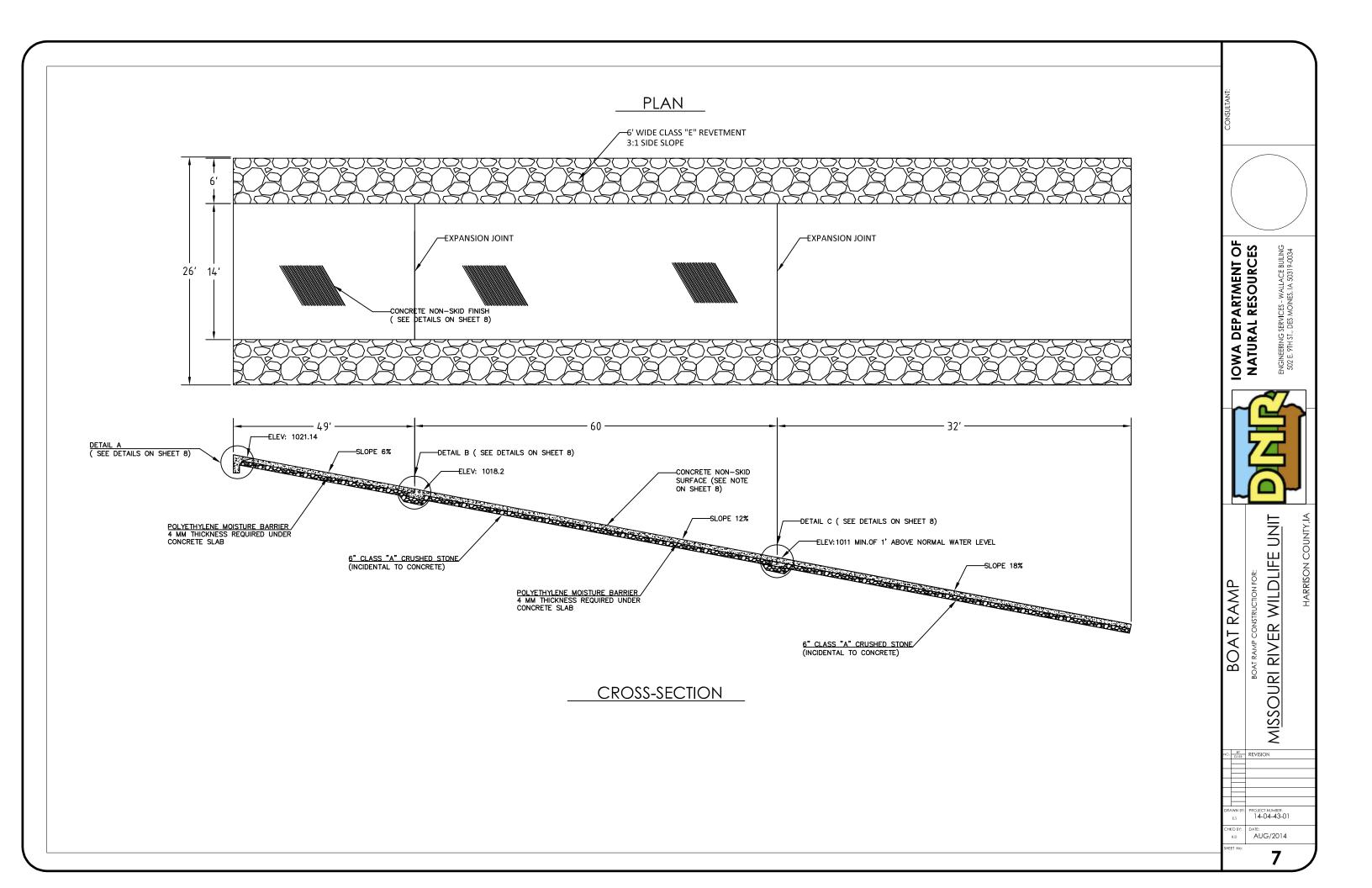
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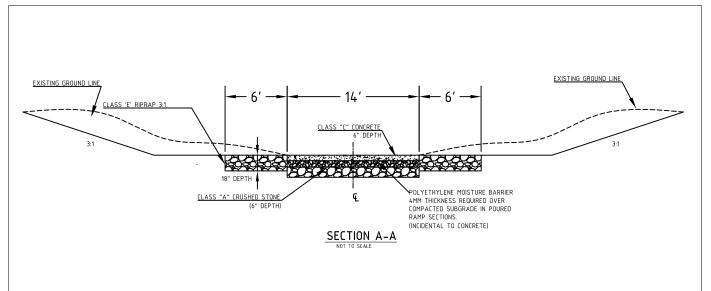
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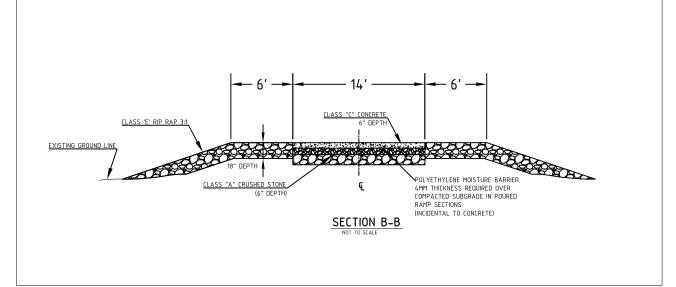


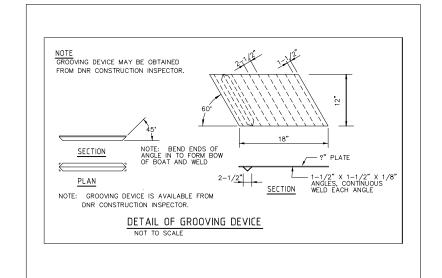
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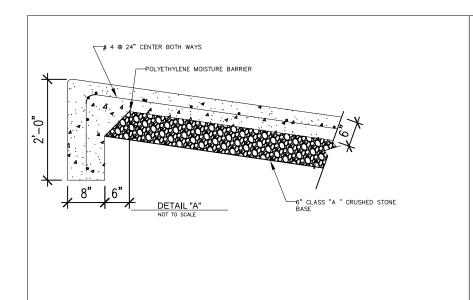


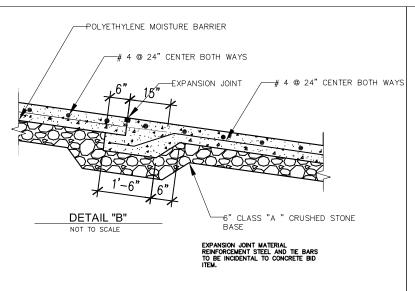


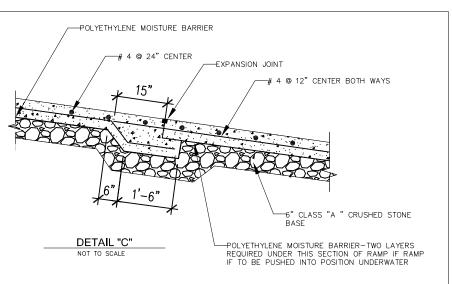


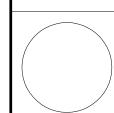
### BOAT RAMP NOTES

- -ALL CONCRETE SHALL CONFORM TO CLASS "C" MIX 4 I. D.O.T. SPECIFICATION SERIES 2009
- -ALL EXPOSED EDGES OF CONCRETE TO BE BEVELED WITH CHAMFER STRIPS
- -THE TOP 1" OF ALL EXPANSION JOINTS TO RECEIVE A SILICONE BASE POURING TYPE SEALER
- -EXPANSION JOINTS -PREFORMED RESILIENT FILLER MATERIAL
- -REINFORCING STEEL GRADE 40 DEFORMED
- -THAT PORTION OF THE RAMP TO BE PLACED BELOW THE WATERLINE MAY BE FORMED ABOVE THE WATERLINE AND CAREFULLY PUSHED INTO POSITION UNDERWATER TO THE LOCATION AND ELEVATION AS SHOWN ON THE PLAN AND AS APPROVED BY THE INSPECTOR. THE REMAINING SECTIONS
- OF THE RAMP SHALL BE FORMED AND POURED IN PLACE.









IOWA DEPARTMENT OF
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ENGINERING SERVICES - WALLACE BUILING
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CONSTRUCTION FOR
RIVER WILDLIFE UNIT

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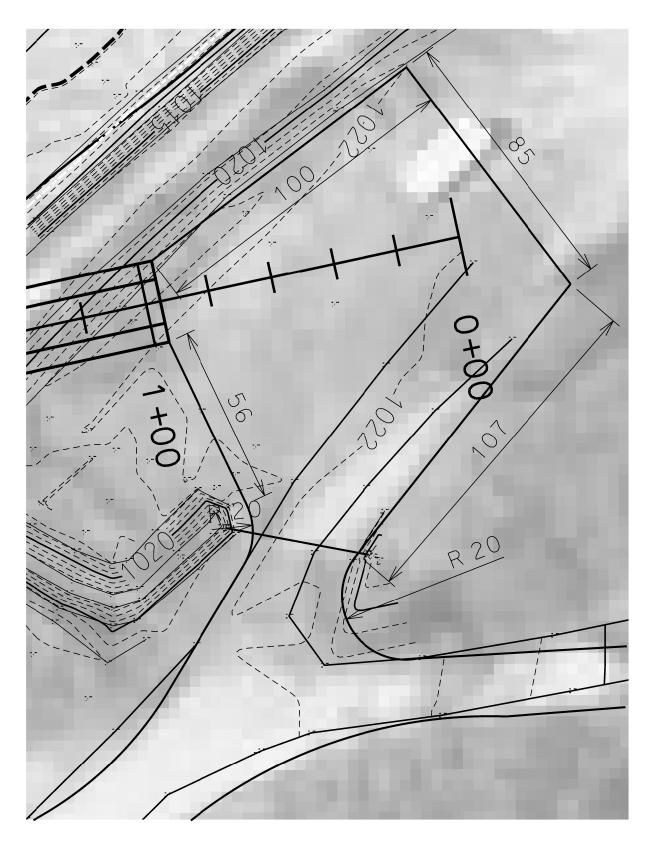
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# **PARKING LOT**



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SITE PLAN

BOAT RAMP CONSTRUCTION FOR:

MISSOURI RIVER WILDLIFE UNIT

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