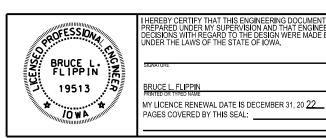
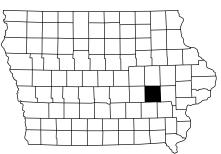
IOWA DEPARTMENT OF NATURAL RESOURCES

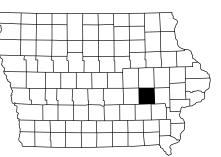
CONSTRUCTION DOCUMENTS FOR KOSZTA ACCESS WMA BANK STABILIZATION

IOWA COUNTY, IOWA

DOT PROJECT # SP-443-0(1)--7C-48 DNR PROJECT # 17-06-48-01







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	BRUCE L. FLIPPIN	CONTACT	MIKE DUFOE	
TELEPHONE	515-689-8009	TELEPHONE	515-985-9196	
FAX	515-281-8685	FAX		
EMAIL	bruce.flippin@dnr.iowa.gov	EMAIL	michael.dufoe@dnr.iowa.gov	

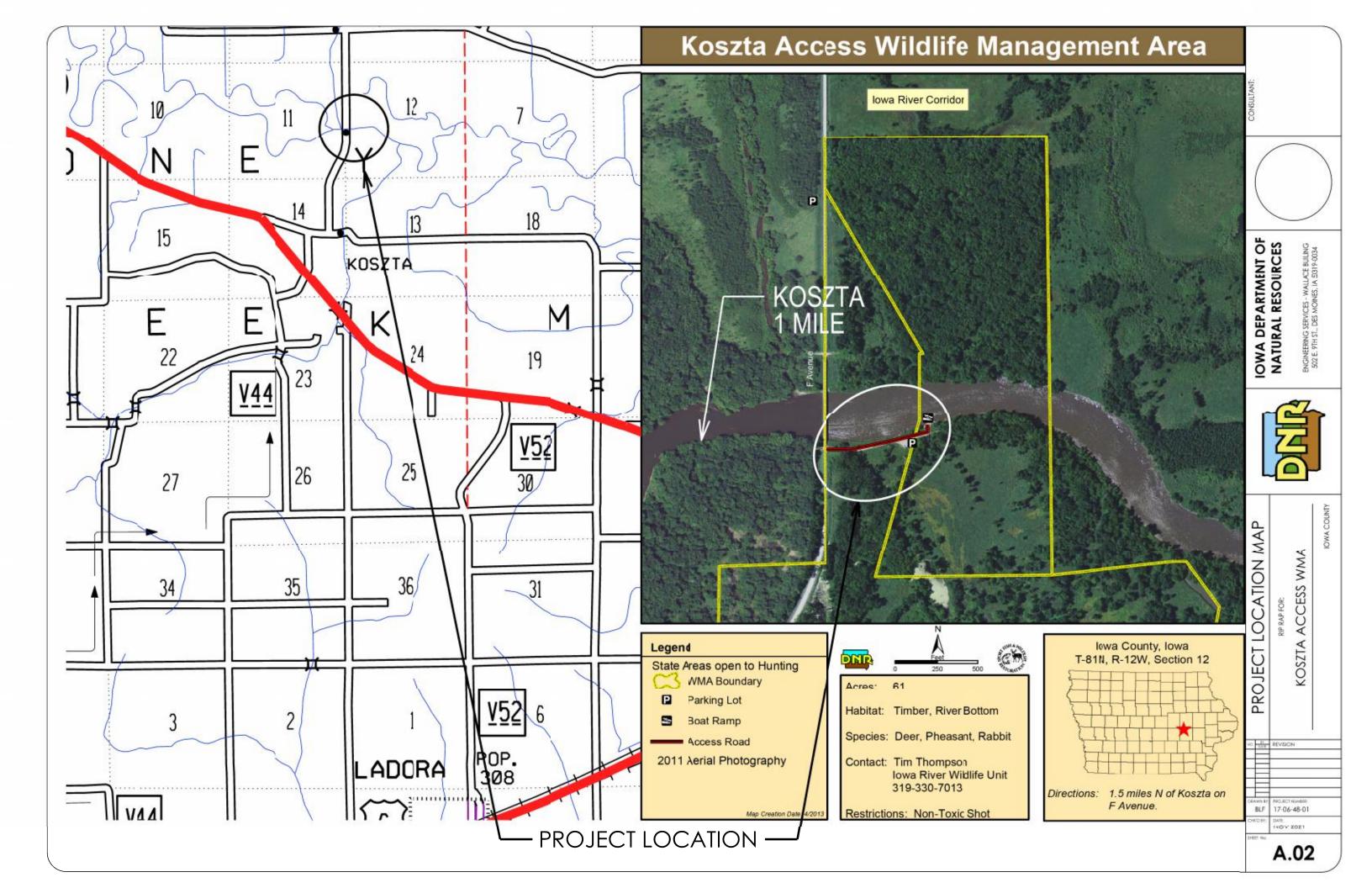


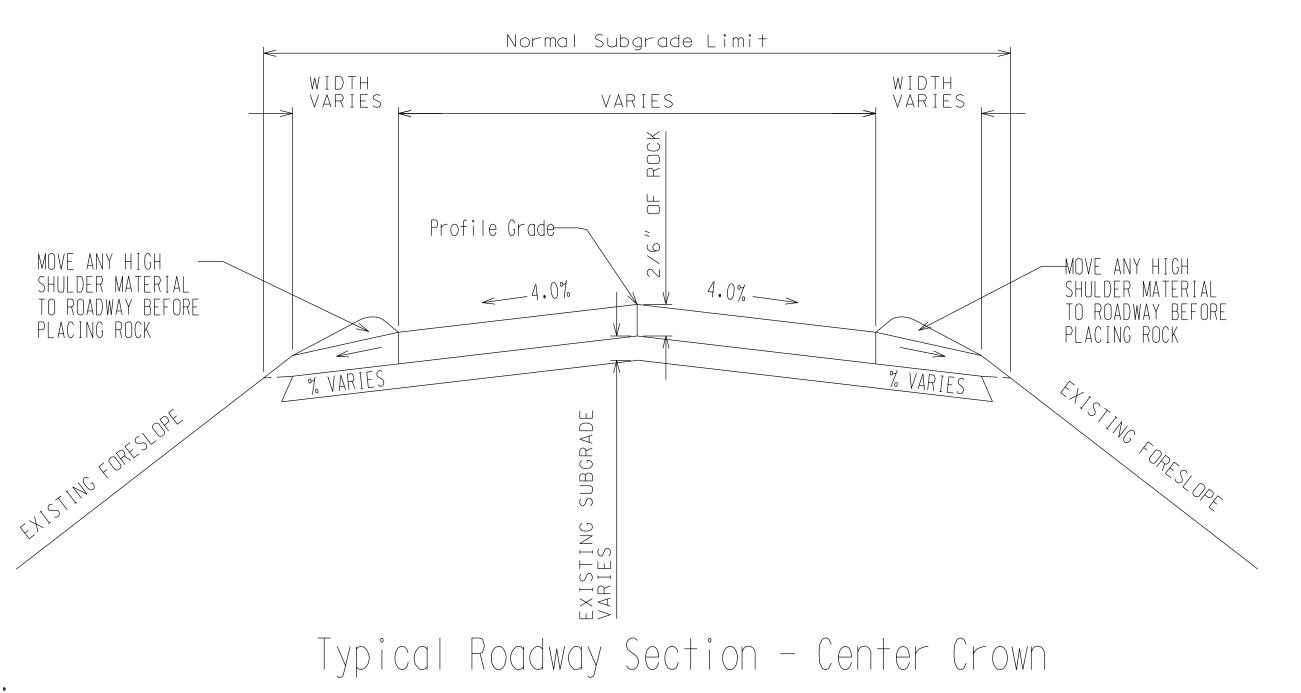


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ENGINEERING BUREAU CHIEF	DATE

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B.02	CROSS SECTIONS AND TYPICAL DETAILS	CONSULTANT:		
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SHEET INDEX



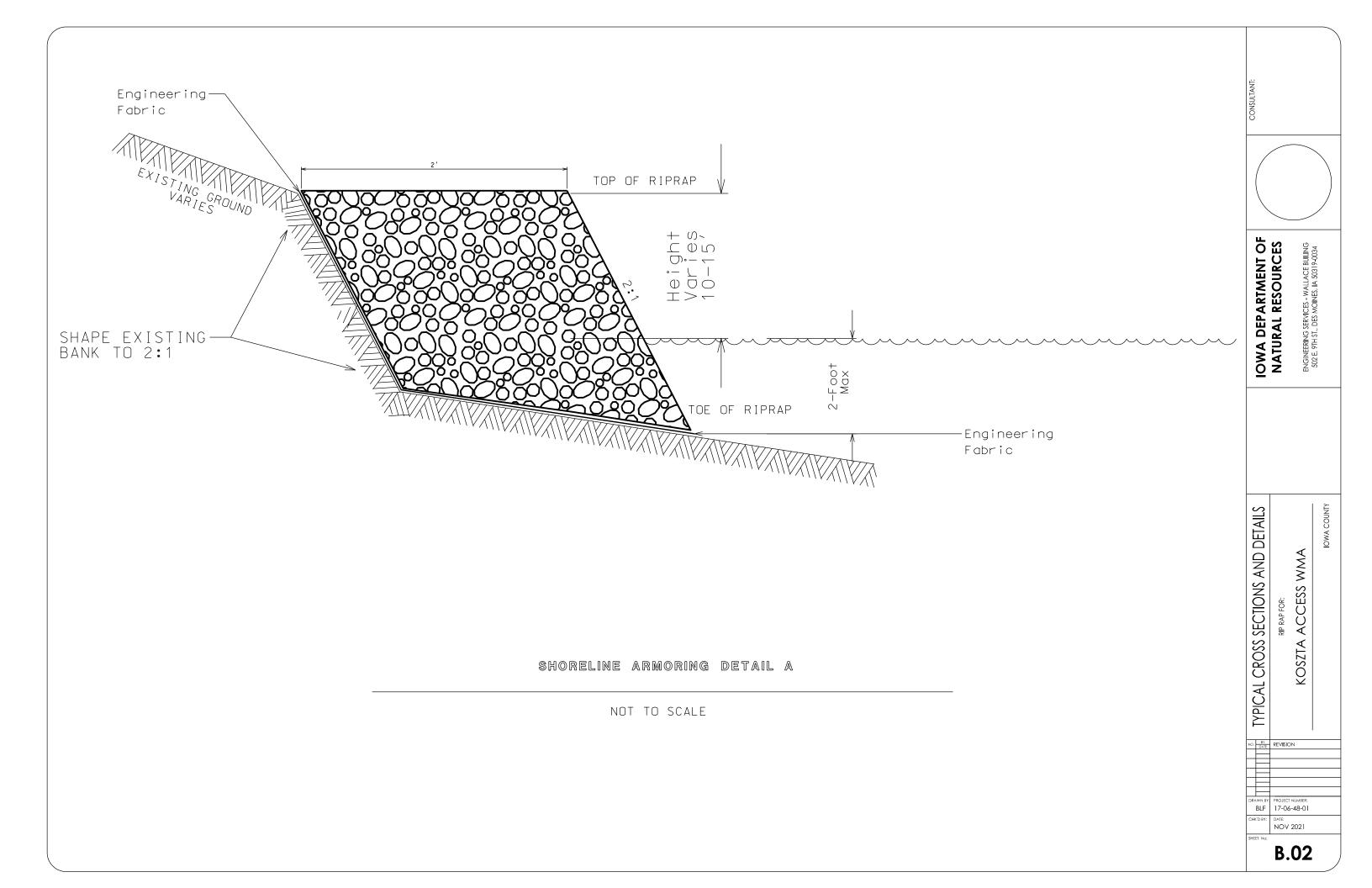


Note:

Normal sections shown may be appropriately modified for areas specifically designated by the Engineer.

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IOWA DEPARTMENT OF NATURAL RESOURCES ENGINEERING SERVICES - WALLACE BUILING 502 E. 9TH ST., DES MOINES, IA 50319-0034 TYPICAL CROSS SECTIONS AND DETAILS ROSZTA ACCESS WMA INCH CH 17-06-48-01 **B.01**



ESTIMATED PROJECT QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
1	2101 - Clear+Grub Brush Removal	1	LS
2	2104 - Class 10, Channel	926	CY
3	2113 - Engineering Fabric	800	SY
4	2127 - Reconstruction of Roadbed - Blading & Shaping	6.7	STA
5	2312 - Granular Surfacing on Road, 1-IN. Crushed Stone	110	TON
6	2312 - Granular Surfacing on Road, 2-IN. Crushed Stone	22	TON
7	2507 - Class E Revetment	1210	TON
8	2518 - Safety Closure	1	EA
9	2528 - Traffic Control	1	LS
10	2533 - Mobilization	1	LS
11	2601 - Seeding and Fertilizing, Rural	1	ACRE

ESTIMATE REFERENCE INFORMATION

ITEM NO.	DESCRIPTION
1	A. All trees/brush to be cleared will be marked by the DNR Field Engineer. B. Removal will include at least one large 48" diameter tree. The tree shall be completely removed, including the root ball. C. The tree, root ball and all other brush shall be moved/pushed to the designated area.
2	A. For bank shaping as needed.B. Obtain DNR Field Engineer approval of bank shaping before placeing any revetment.C. Dispose of any excess spoil off site.
3	A. 2-foot minimum overlap on all seams. B. DOT approved source.
4	 A. Repair all potholes by scarifying surrounding area to depth of pothole and recompacting. B. Re-establish roadway crown - 4% positive drainage each way from centerline; 4% across the width in banked sections. C. Remove any high shoulder areas, before spreading new rock. D. STA 100+00 - 101+05 is a NEW road - blade/cut organic material off before spreading rock. Dispose of spoil off-site.
5,6	A. 1-inch/2-inch crushed stone or approved equal. B. Blade and mechanically roll after dumping rock. C. DOT approved source.
7	A. Embankment slope armoring. B. Place at the direction of DNR Field Engineer. C. DOT approved source.
8	A. Follow DOT Spec Section 2518 for safety closure set up.
11	A. Seed/fertilize all disturbed areas. B. Dot approved source

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.

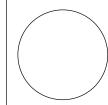
It shall be the contractor's responsibility to provide waste areas or disposal sites for excess material (excavated material or broken concrete) which is not desirable to be incorporated into the work involved on this project. No payment for overhaul will be allowed for material hauled to these sites.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

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

QUANTITIES AND GENERAL INFORMATION ACCESS WMA KOSZTA NO. BY REVISION

> 17-06-48-01 NOV 2021

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