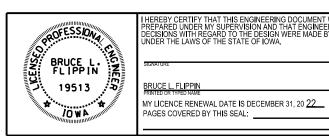
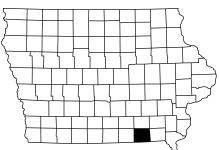
IOWA DEPARTMENT OF NATURAL RESOURCES

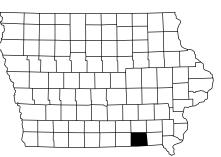
CONSTRUCTION DOCUMENTS FOR **ELDON WMA** ROAD MAINTENANCE

DAVIS COUNTY, IOWA

DOT PROJECT #2020-SP-146 DNR PROJECT #20-05-26-04







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	JASON KRUSE
TELEPHONE	515-689-8009	TELEPHONE	515-250-3707
FAX	515-281-8685	FAX	
EMAIL	bruce.flippin@dnr.iowa.gov	EMAIL	jason.kruse@dnr.iowa.gov

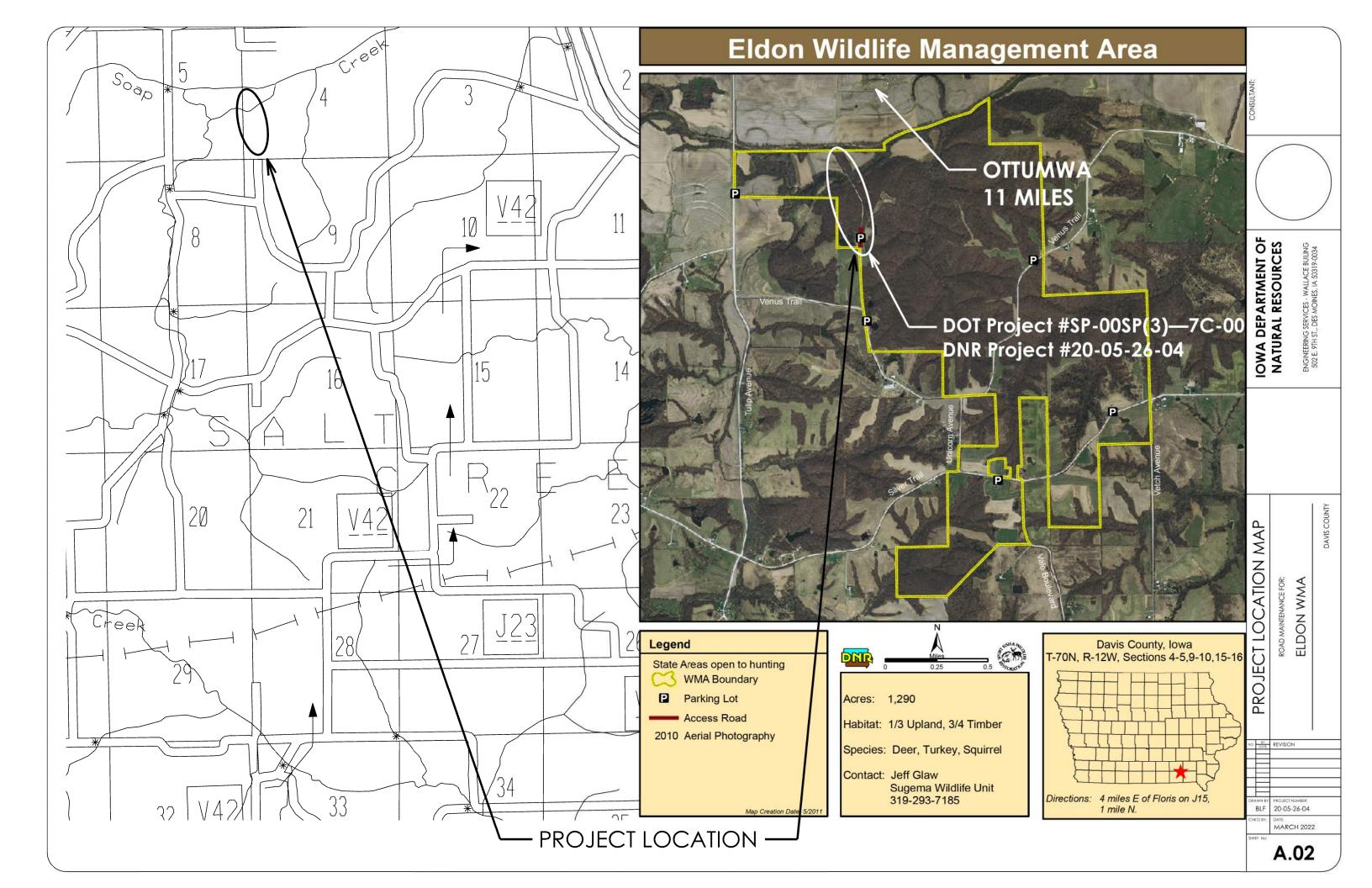


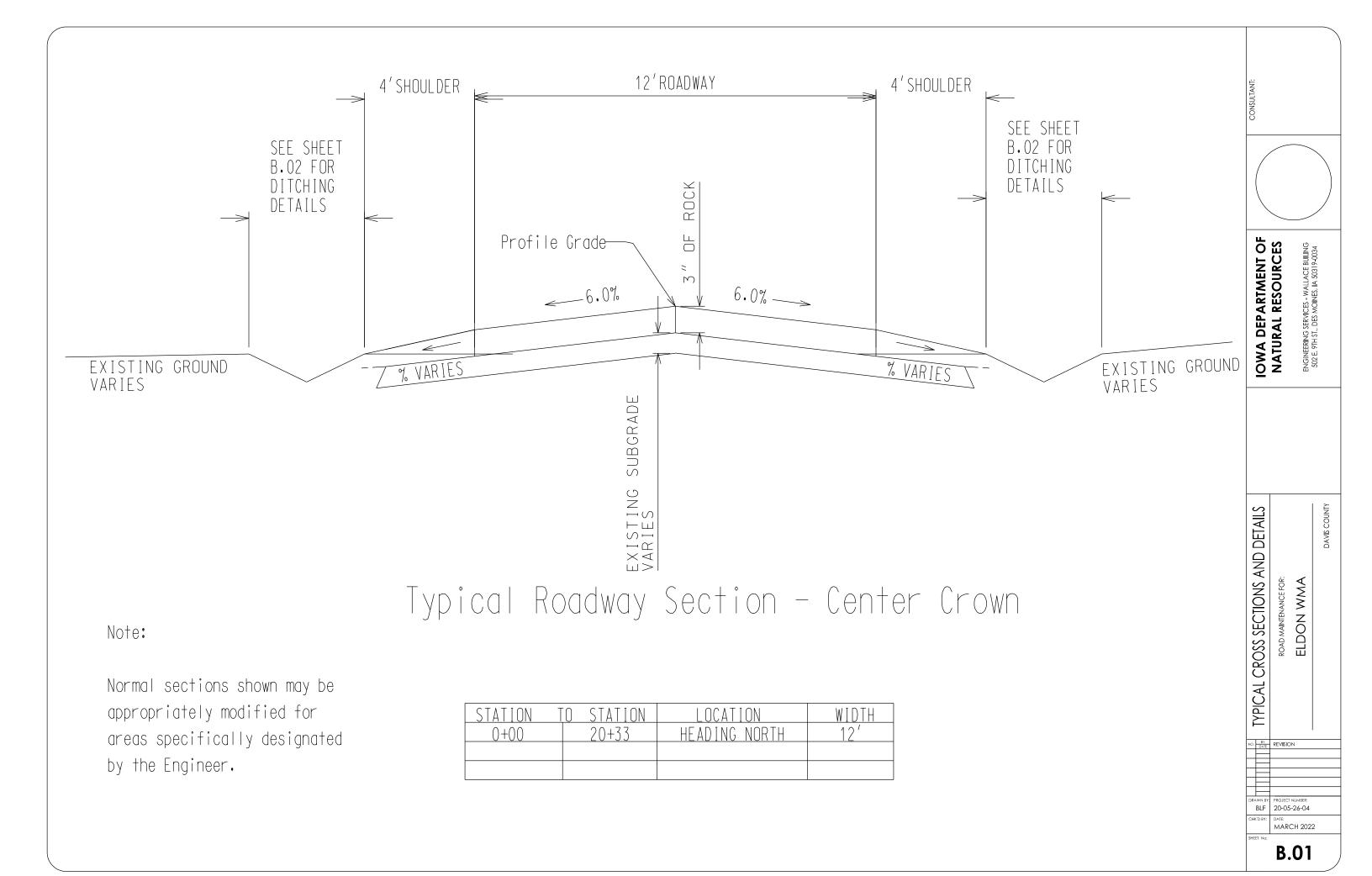


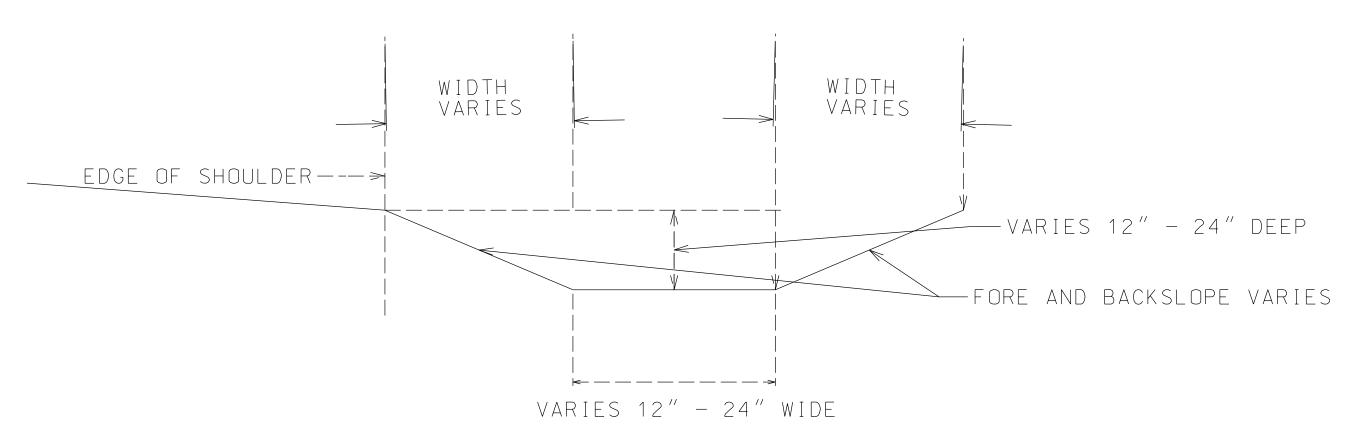
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AUTHORIZATION - PARKS WILDLIFE FISHERIES LAW ENFORCEMENT FOREST	RY DATE
ENGINEERING BUREAU CHIEF DATE	

AUTHORIZATION TO BID

	SHEET INDEX				
A.01	COVER SHEET				
A.02	LOCATION MAP				
B.01	TYPICAL CROSS SECTIONS AND DETAILS	Ë			
B.02 B.03	TYPICAL CROSS SECTIONS AND DETAILS TYPICAL CROSS SECTIONS AND DETAILS	JLTA			
B.04	TYPICAL CROSS SECTIONS AND DETAILS	CONSULTANT:			
B.05	TYPICAL CROSS SECTIONS AND DETAILS	Ö			
C.01	QUANTITIES AND GENERAL INFORMATION	-			
D.01	SITE PLAN			_	_
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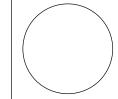


Typical Ditch Section

Note:

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

STATION	TO	STATION	LOCATION	WIDTH
0+00		20+33	NORTH/SOUTH	12′



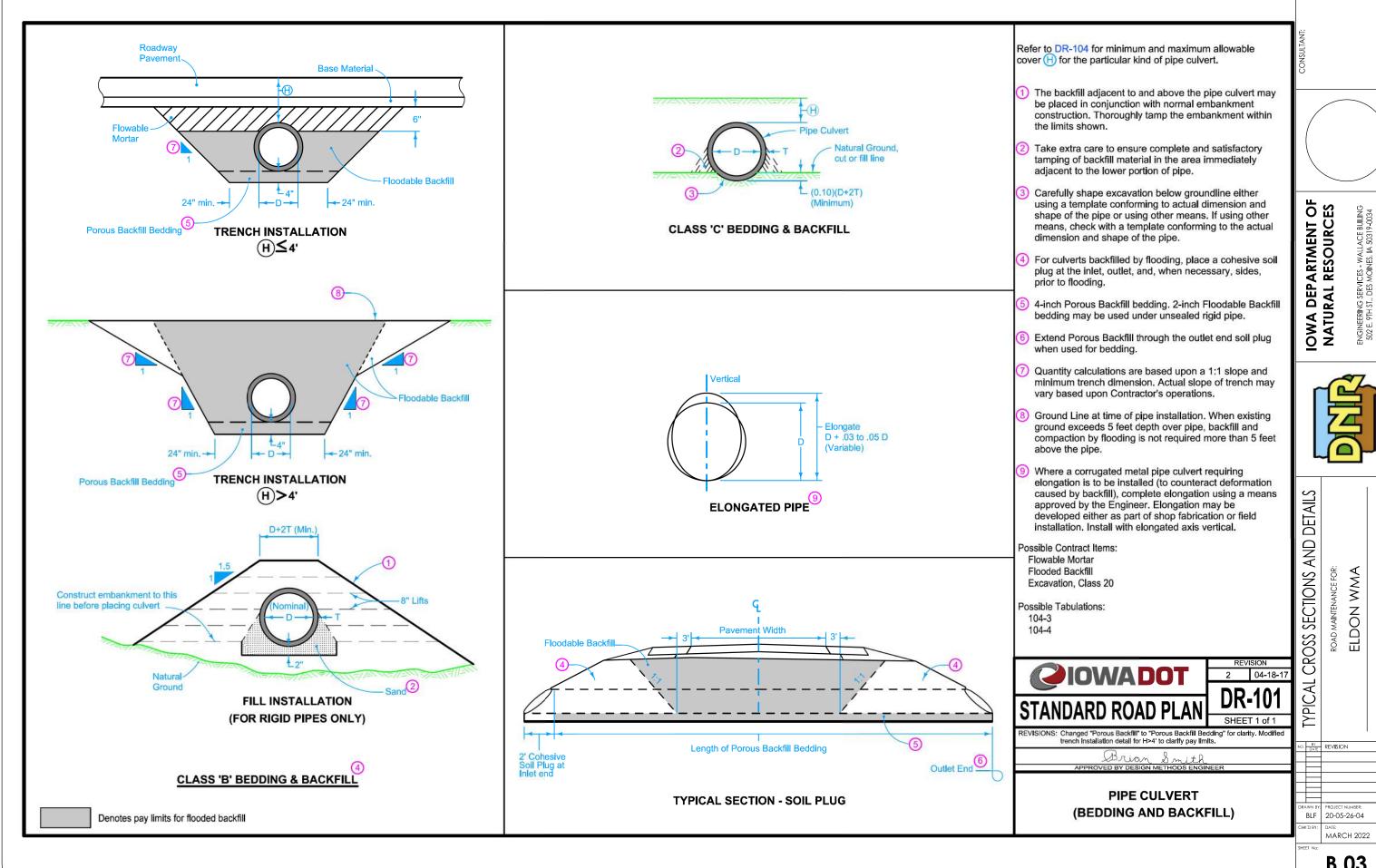
IOWA DEPARTMENT OF NATURAL RESOURCES ENGINEERING SERVICES - WALLACE BUILING 502 E. 9TH ST., DES MOINES, IA 50319-0034



ROAD MAINTENANCE FOR: ELDON WMA

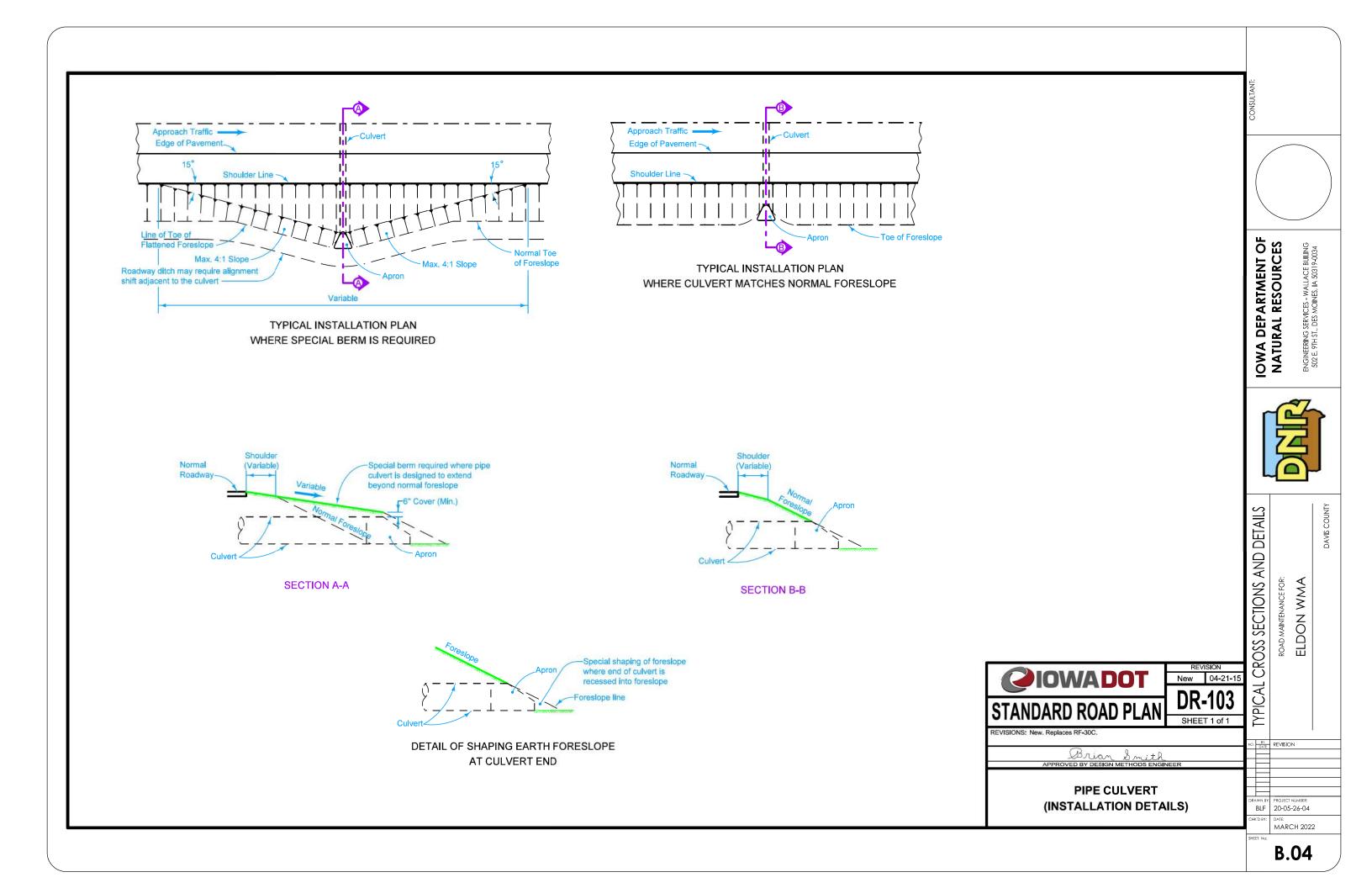
TYPICAL CROSS SECTIONS AND DETAILS

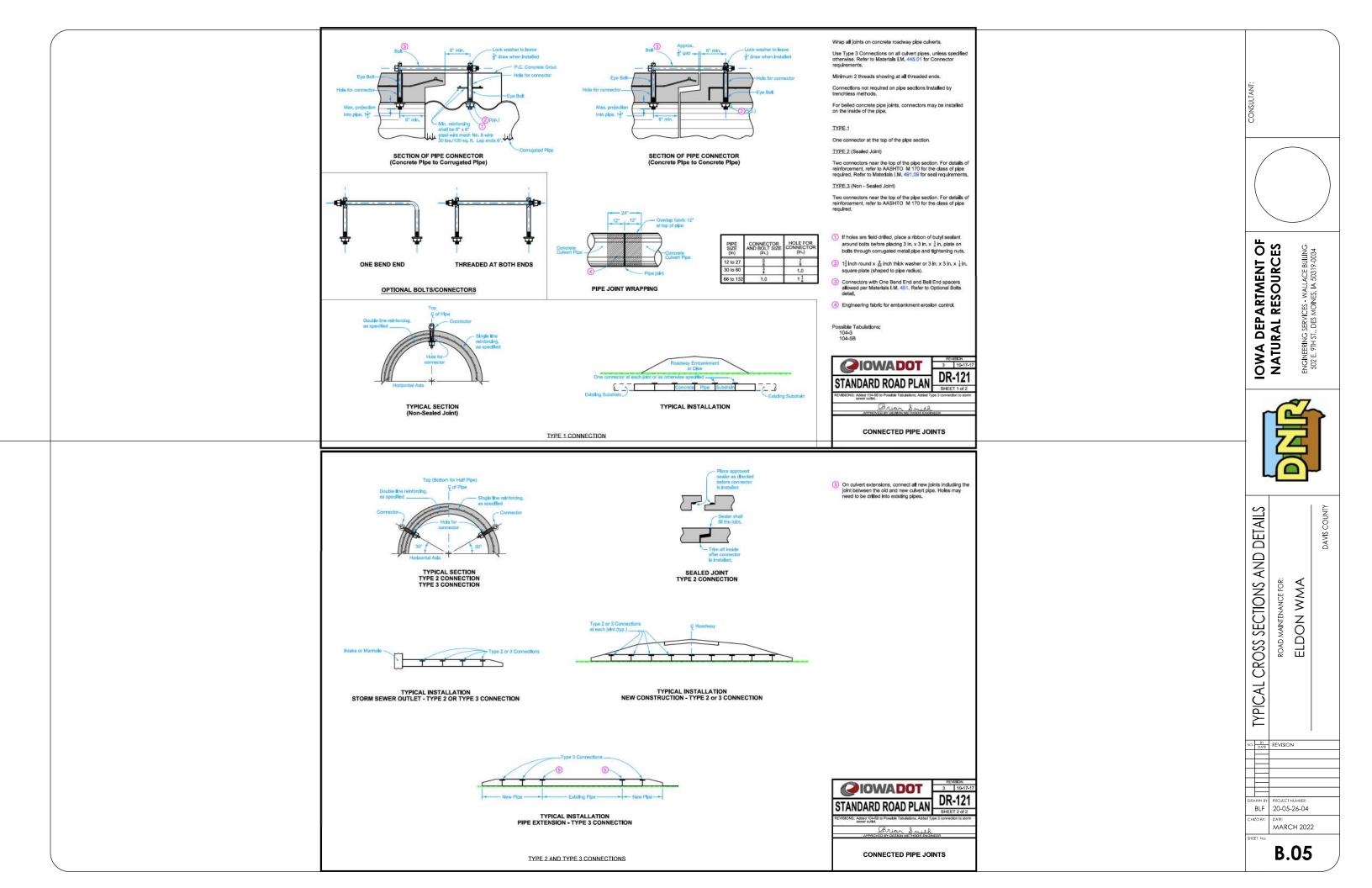
B.02





B.03





ESTIMATED PROJECT QUANTITIES

	T		
ITEM NO.	ITEM	UNIT	TOTAL
1	2101 - CLEARING	LS	1
2	2102-EXCAVATION, CL 12, BOULDER/ROCK FRAGMENT	CY	20
3	2125 - RESHAPING DITCHES	STA	20.1
4	2127 - RECONSTRUCTION OF ROADBED - BLADING/SHAPING	STA	20.1
5	2312 - GRANULAR SURFACING ON ROAD, CRUSHED STONE - 3-INCH MINUS	TON	570
6	2416 - CULV, CONC ENT PIPE, 18"	LF	80
7	2417 - APRON, CONC, 18"	EACH	4
8	2507 - REVETMENT, CLASS E	TON	20
9	2507 - EROSION STONE	TON	20
10	2518 - SAFETY CLOSURE	EACH	1
11	2528 - TRAFFIC CONTROL	LS	1
12	2533 - MOBILIZATION	LS	1
13	2601-SEED+FERTILIZE (RURAL)	ACRE	1

ESTIMATE REFERENCE INFORMATION

ITEM NO.	DESCRIPTION
1	A. This item for removal of brush for ditch cleaning.
2	A. This item for any encounters with rock during ditch cleaning/shaping.
3	A. See sheet B.02 for typical ditch cross section. B. Remove any excess spoil from project site. C. Includes both sides of road per station.
4	 A. Repair all potholes by scarifying surrounding area to depth of pothole and recompacting. B. Re-establish roadway crown - 6% positive drainage each way from centerline; 4% across the width in banked sections. C. Pull in shoulders from ~STA. 17+95 - STA. 20+33 - limits to be marked by DNR Field Engineer D. Remove any high shoulder areas, before spreading new rock. E. See sheet B.01 for typical roadway cross section.
5	A. Blade and roll rock after spreading. B. DOT approved source.
6,7	 A. DNR Field Engineer will mark inlet locations and set flowline elevations. B. Use Type 3 pinned connections. C. Wrap all joints. D. DOT approved source.
8	A. Place at outlets of new culverts
9	A. Follow DOT Spec Section 2528 for set-up details.
12	A. Use Rural mix. B. DOT approved source.
	Contact DNR Field Engineer for any equipment/material staging requests.

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.

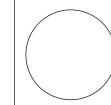
It shall be the contractor's responsibility to provide waste areas or disposal sites for excess material (excavated material or broken concrete) which is not desirable to be incorporated into the work involved on this project. No payment for overhaul will be allowed for material hauled to these sites.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



ELDON WMA

Quantities and General Information NO. BY REVISION 20-05-26-04

C.01

MARCH 2022

