

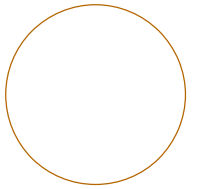
Note:

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

Typical Roadway Section - Center Crown

STATION	TO STATION	LOCATION	WIDTH
0+00	25+84	HEADING NORTH	12'

CONSULTANT:



**IOWA DEPARTMENT OF
NATURAL RESOURCES**

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



TYPICAL CROSS SECTIONS AND DETAILS

ROAD MAINTENANCE FOR:

SHELL ROCK BEND WMA

BUTLER COUNTY

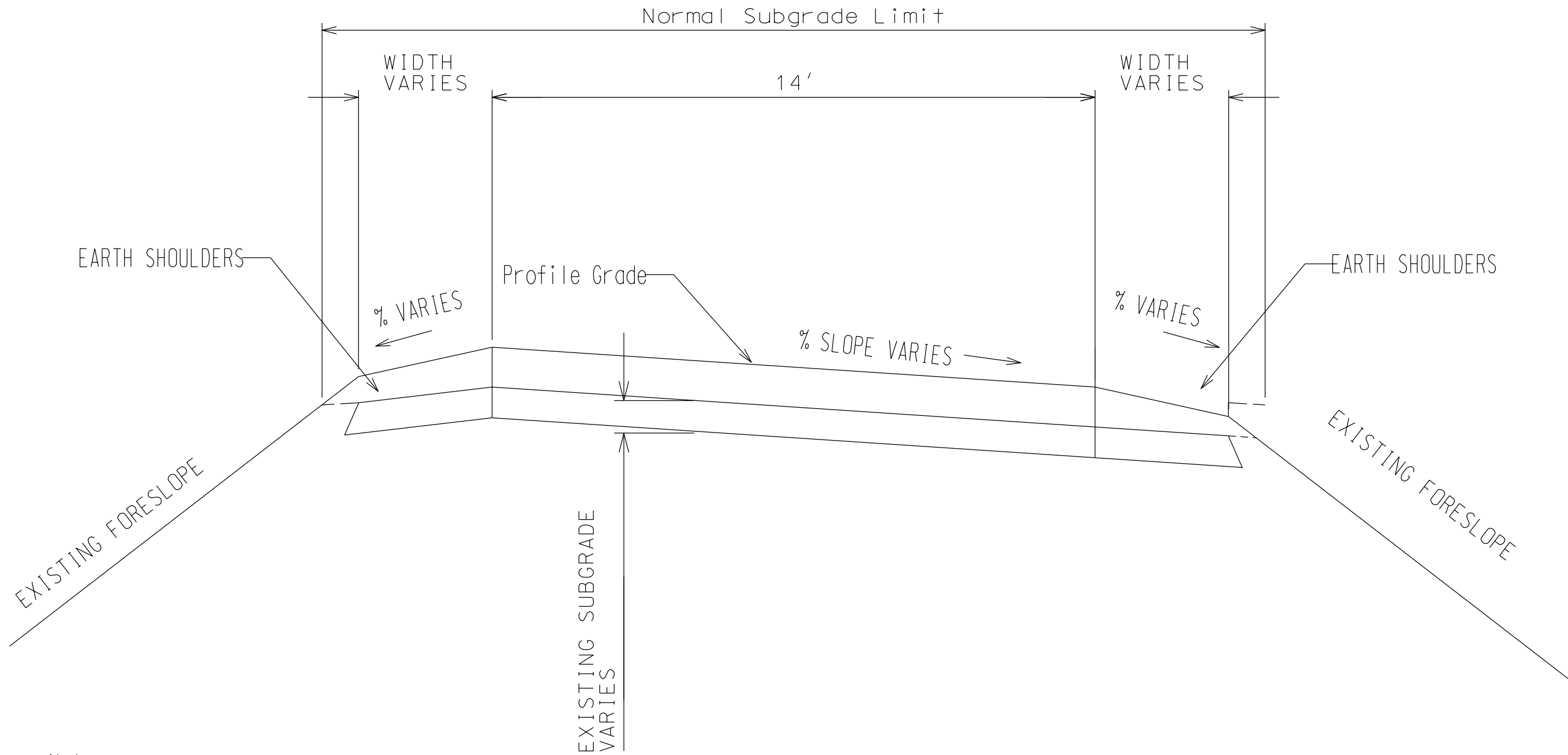
NO. BY DATE REVISION

DRAWN BY: PROJECT NUMBER:
BLF 20-03-12-03

CHK'D BY: DATE:
JULY 2023

SHEET No:

B.01



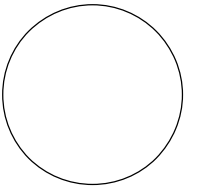
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Typical Roadway Section - Cross Slope

STATION	TO STATION	LOCATION	CROSS SLOPE
13+00	RR ROW(S)	HEADING NORTH	4%
RR ROW(N)	21+00	HEADING NORTH	2%
21+00	24+50	HEADING NORTH	4%
24+50	25+84	TURN-AROUND	2%

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TYPICAL CROSS SECTIONS AND DETAILS

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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.

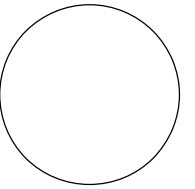
The contractor shall not disturb desirable grass areas and desirable trees outside the construction limits. The contractor will not be permitted to park or service vehicles and equipment or use these areas for storage of materials. Storage, parking and service areas will be subject to the approval of 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.

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QUANTITIES AND GENERAL INFORMATION

ROAD MAINTENANCE FOR:

SHELL ROCK BEND WMA

BUTLER COUNTY

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CITY OF SHELL ROCK

1.7 MILES

RESHAPING DITCHES - CULVERTS		CULV, CONC RDWY PIPE, 18"	
2+00, L&R	4+00, L&R	2+90	
2 STA		20 LF	
12+03, L&R	14+03, L&R	13+03	
2 STA		20 LF	
RESHAPING DITCHES - SWAIL		ENGINEERING FABRIC	
		2+90, L&R	
12+00, R	14+50, R	50 SY	
2.5 STA		13+03, L&R	
		50 SY	
RECONSTRUCTION OF ROADBED - BLADING/SHAPING ROADWAY		EROSION STONE	
		2+90, L&R	
0+00	25+84	20 TON	
25.9 STA		13+03, L&R	
		20 TON	
RECONSTRUCTION OF ROADBED - BLADING/SHAPING SHOULDERS		SAFETY CLOSURE	
		0+00	
		1 EACH	
		SEED+FERTILIZE (RURAL)	
0+00	25+84	0+00	25+84
25.9 STA		ALL DISTURBED AREAS	
Rock, 3-Inch Minus		1 ACRE	
0+00	25+84		
725 TON			

25+84 25+00

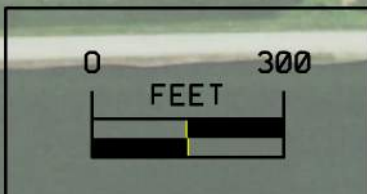
20+00

15+00

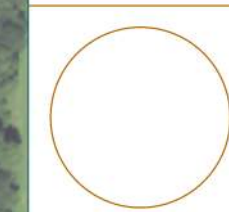
10+00

5+00

0+00



CONSULTANT:



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 502 E. 9TH ST., DES MOINES, IA 50319-0034



SITE PLAN
 ROAD MAINTENANCE FOR:
SHELL ROCK BEND WMA
 BUTLER COUNTY

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