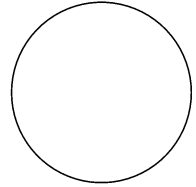


PROJECT LOCATION

CONSULTANT:



**IOWA DEPARTMENT OF
NATURAL RESOURCES**

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



PROJECT LOCATION MAP

ROAD MAINTENANCE FOR:

CEDAR ROCK STATE PARK

BUCHANAN COUNTY

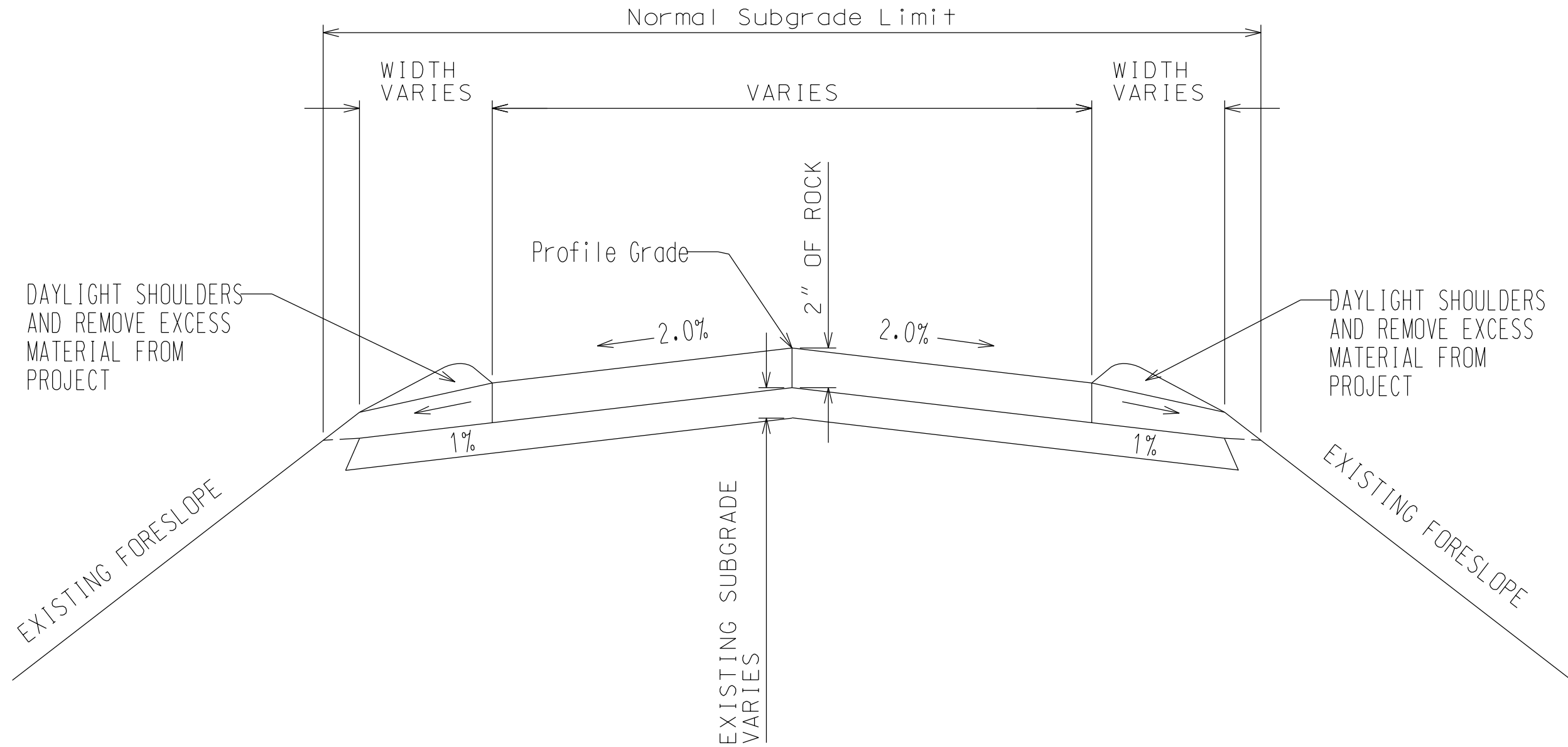
NO.	BY	REVISION

DRAWN BY: BLF PROJECT NUMBER: 23-03-10-02

CHK'D BY: DATE: JAN 2024

SHEET No:

A.02



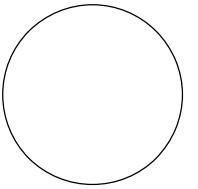
Typical Roadway Section - Center Crown

Note:

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

STATION	TO	STATION	LOCATION	WIDTH
0+00		25+79	HEADING SOUTH	10'
100+00		103+60	HEADING SOUTH	10'

CONSULTANT:



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



TYPICAL CROSS SECTIONS AND DETAILS

ROAD MAINTENANCE FOR:

CEDAR ROCK STATE PARK

BUCHANAN COUNTY

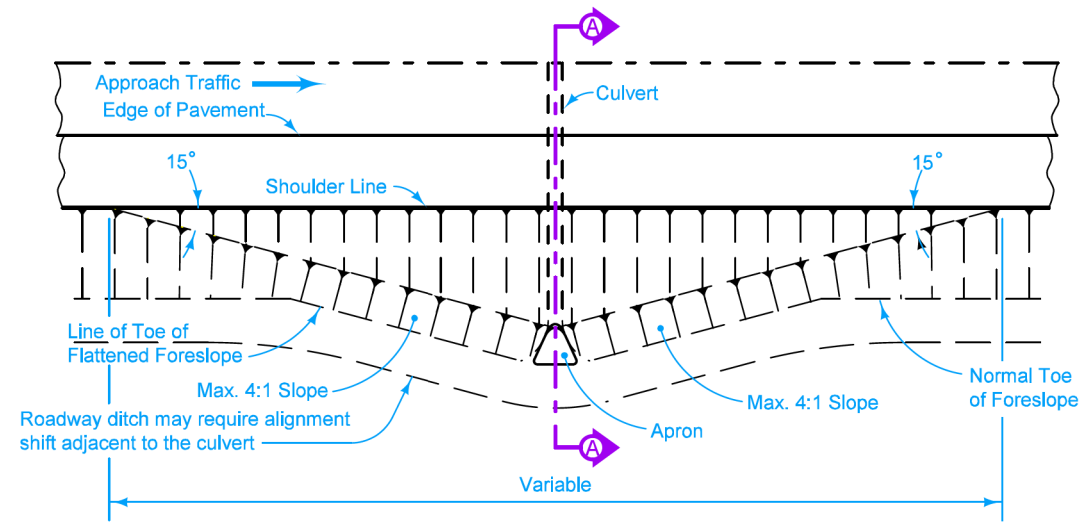
NO. BY DATE REVISION

DRAWN BY: PROJECT NUMBER:
BLF 23-03-10-02

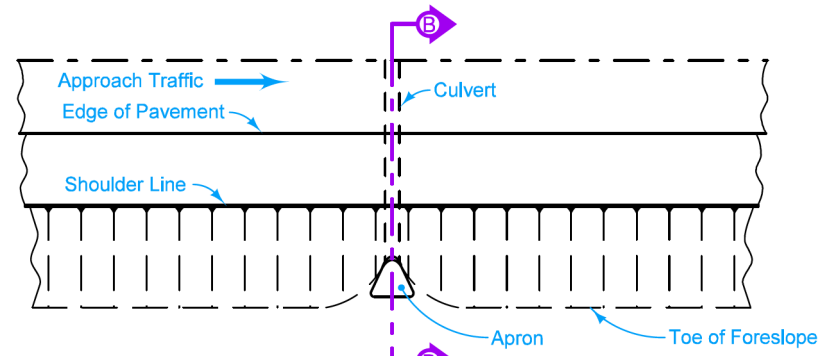
CHK'D BY: DATE:
JAN 2024

SHEET No:

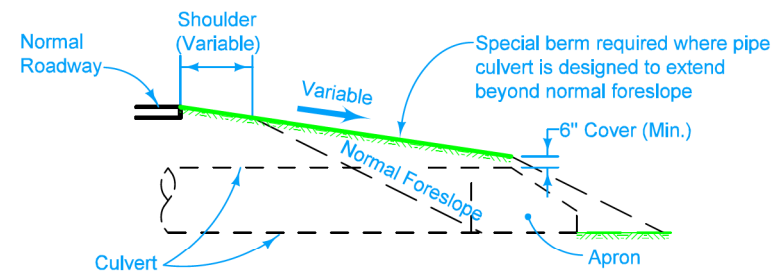
B.01



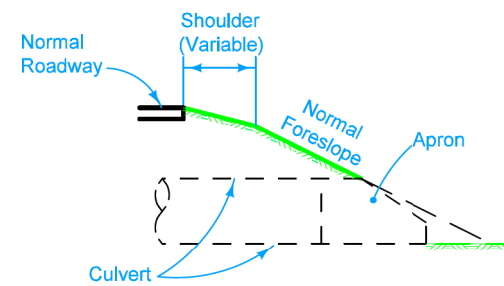
TYPICAL INSTALLATION PLAN
WHERE SPECIAL BERM IS REQUIRED



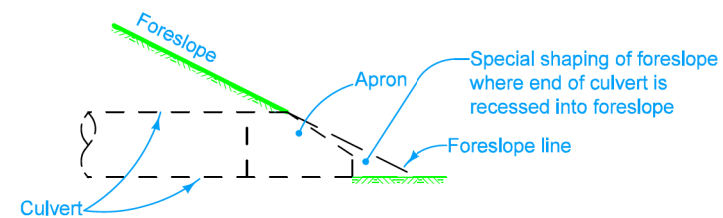
TYPICAL INSTALLATION PLAN
WHERE CULVERT MATCHES NORMAL FORESLOPE



SECTION A-A



SECTION B-B



DETAIL OF SHAPING EARTH FORESLOPE
AT CULVERT END

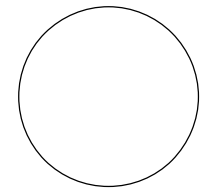
	REVISION	
	New	04-21-15
STANDARD ROAD PLAN		DR-103
		SHEET 1 of 1

REVISIONS: New. Replaces RF-30C.

APPROVED BY DESIGN METHODS ENGINEER

PIPE CULVERT
(INSTALLATION DETAILS)

CONSULTANT:



**IOWA DEPARTMENT OF
 NATURAL RESOURCES**

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



TYPICAL CROSS SECTIONS AND DETAILS

ROAD MAINTENANCE FOR:
CEDAR ROCK STATE PARK
 BUCHANAN COUNTY

NO.	DATE	REVISION

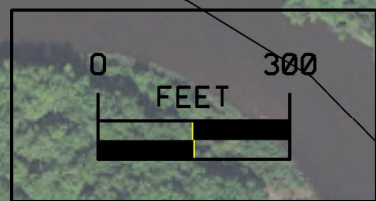
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 PROJECT NUMBER: 23-03-10-02
 CHK'D BY: DATE: JAN 2024

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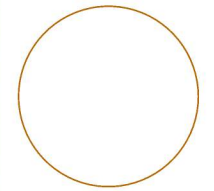
B.04

RESHAPING DITCHES - CLEANING	
20+75	21+25
0.5 STA	
BLADING/SHAPING - ROADWAY	
0+00	25+79
25.8 STA	
BLADING/SHAPING - SHOULDERS	
0+00	25+79
25.8 STA	
GRANULAR SURFACING	
0+00	25+79
301 TON	
GRANULAR BACKFILL	
11+50	
3 TON	
APRON, CONC, 18"	
11+50	
2 EACH	
CULV, CONC RDWY PIPE, 18"	
11+50	
16 LF	
EROSION STONE	
11+50	
10 TON	
SAFETY CLOSURE	
0+00	
1 EACH	

BLADING/SHAPING - ROADWAY	
100+00	103+60
3.6 STA	
BLADING/SHAPING - SHOULDERS	
100+00	103+60
3.6 STA	
GRANULAR SURFACING	
100+00	103+60
42 TON	



CONSULTANT:



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



SITE PLAN

ROAD MAINTENANCE FOR:

CEDAR ROCK STATE PARK

BUCHANAN COUNTY

NO.	BY DATE	REVISION

DRAWN BY: BLF
 PROJECT NUMBER: 23-03-10-02
 CHK'D BY: DATE: JAN 2024

SHEET No: **D.01**