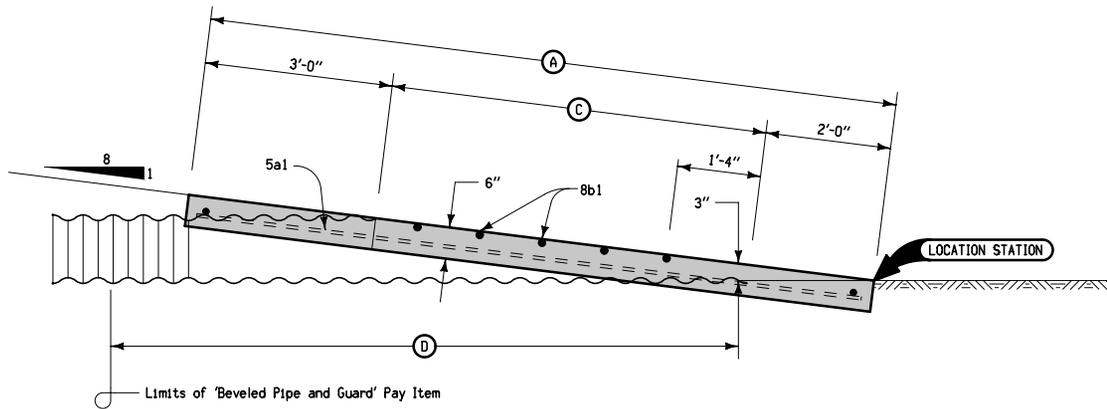
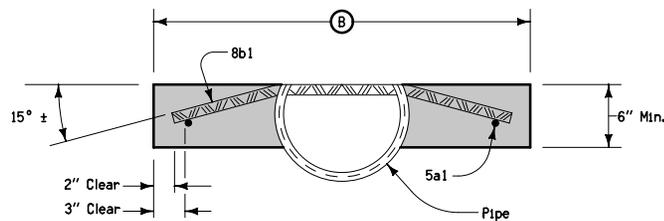


PLAN VIEW



SECTION A-A



SECTION B-B

REINFORCING BAR LIST									
PIPE SIZE	BAR	LOCATION	SHAPE	NO.	LENGTH	LIN. FT.	WEIGHT	TOTAL WEIGHT	SPACING
12"	5a1	Base	—	2	10'-8"	21.4	14.3	55.8	See Detail
	5a2	Base	—	2	2'-8"	5.4	3.6		See Detail
	8b1	Base	—	5	2'-10"	14.2	37.9		12"
15"	5a1	Base	—	2	12'-10"	25.7	17.2	78.8	See Detail
	5a2	Base	—	2	2'-11"	5.9	3.9		See Detail
	8b1	Base	—	7	3'-1"	21.6	57.7		12"
18"	5a1	Base	—	2	15'-0"	30.0	20.0	104.4	See Detail
	5a2	Base	—	2	3'-2"	6.4	4.3		See Detail
	8b1	Base	—	9	3'-4"	30.0	80.1		12"

Reinforcing steel used in construction of "Beveled Pipe and Guard" shall be deformed bars meeting the requirements of Article 4151.03. All steel bars shall be hot-dip galvanized in accordance with ASTM A 123 specifications.

Concrete used in the construction of Beveled Pipe and Guard shall be Class 'C' Concrete.

The Pipe shall be cut to fit the foreslope. Slots shall be cut into the pipe for placement of the No. 8 bars. After the foreslope has been placed, the No. 8 bars shall be fitted into the slots cut in the pipe so they will be in proper position when the concrete collar is poured.

Price bid for "Beveled Pipe and Guard," each, shall be considered full compensation for furnishing all materials and constructing the Beveled Pipe and Guard as detailed hereon.

Special Note:

A silt fence ditch check will be required immediately upstream from the inlet. Refer to Standard Road Plan RC-17 for construction details.

TABLE OF DIMENSIONS				
PIPE SIZE	A	B	C	D
12"	11'-0"	3'-0"	6'-0"	10'-0"
15"	13'-2"	3'-3"	8'-2"	12'-0"
18"	15'-4"	3'-6"	10'-4"	14'-10"

Possible Contract Item:

Beveled Pipe and Guard

<p>Iowa Department of Transportation</p> <p>STANDARD ROAD PLAN</p> <p>REVISIONS: New. Replaces 500-12. Changed to allow all unclassified pipe.</p> <p><i>Deanna McFalls</i> APPROVED BY DESIGN METHODS ENGINEER</p>	<p>REVISION</p> <p>NEW 10-20-09</p>
	<p>RF-27</p> <p>SHEET 1 of 1</p>
	<p>BEVELED PIPE AND GUARD</p>