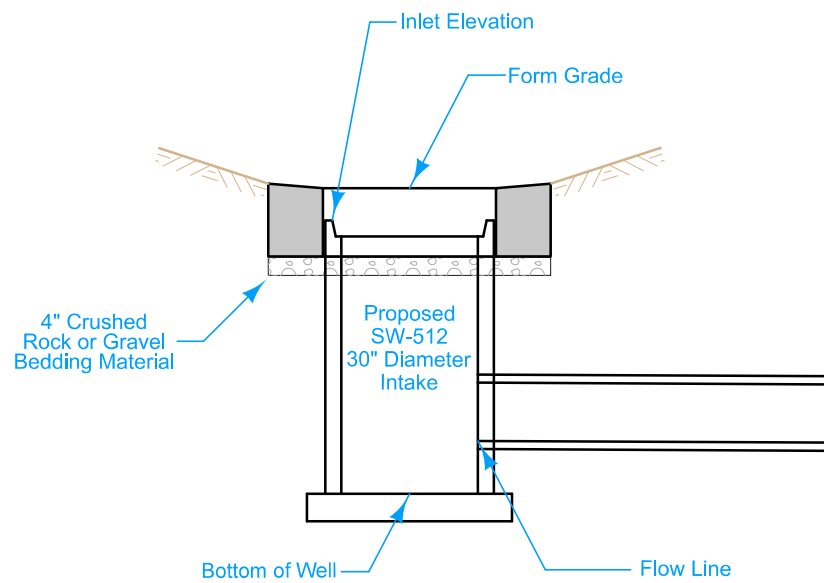
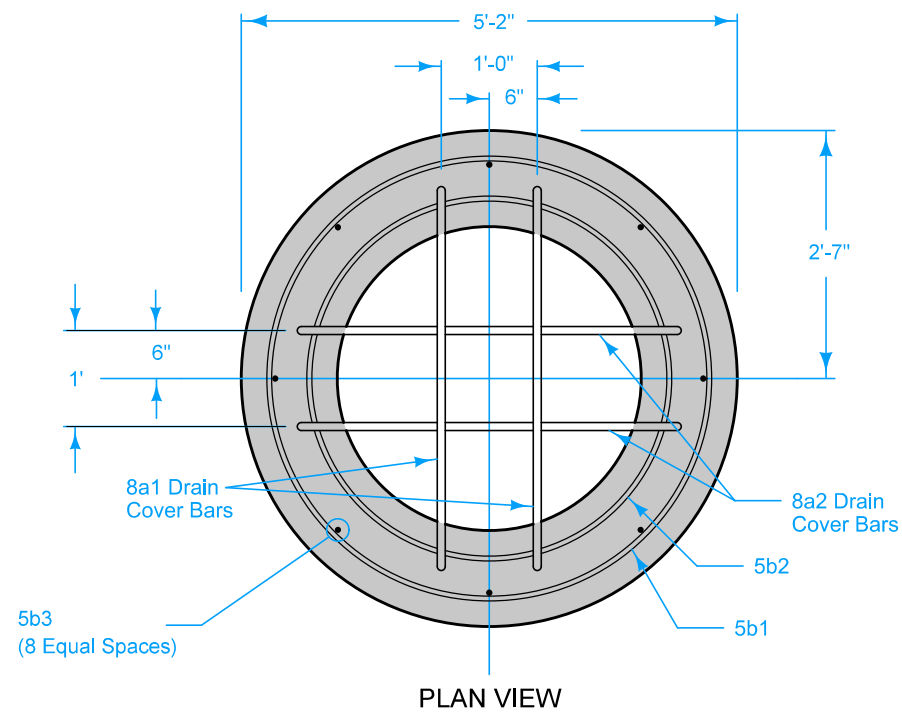


Minimum clear distance of 3 inches from the face of concrete to near reinforcing bar unless noted otherwise.

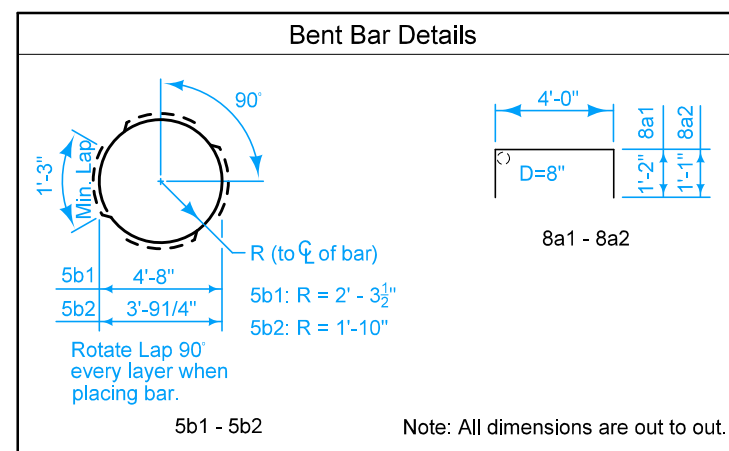
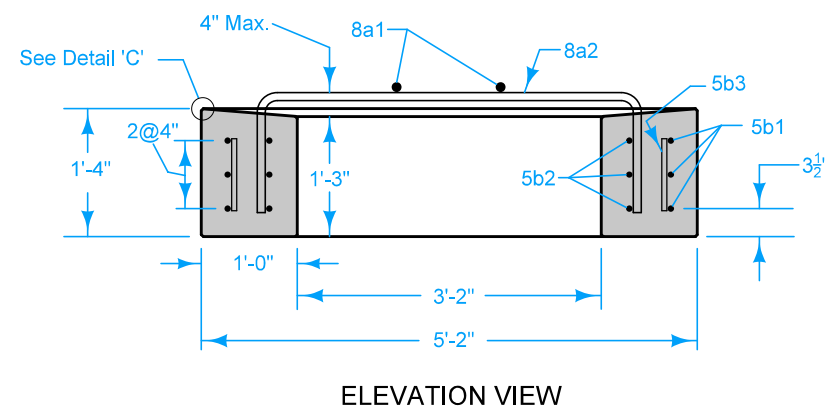
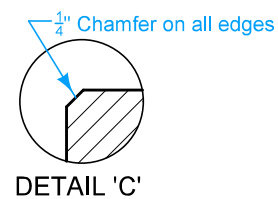
All reinforcing steel Grade 60.

Concrete $f_c = 4.0$ ksi

- ① Galvanize 8a1 and 8a2 bars after bending. Ensure the 8a1 and 8a2 bars bear against each other during placement.



Estimated Quantities		
Item	Unit	Total
Structural Concrete (Miscellaneous)	cu. yds.	0.64
Reinforcing Steel, Epoxy Coated	lbs.	101
Reinforcing Steel, Galvanized ①	lbs.	67



Reinforcing Bar List						
	Bar	Location	Shape	No.	Length	Weight
Galvanized	8a1	Drain Cover Bars - Top Layer	⌒	2	6'-4"	34
	8a2	Drain Cover Bars - Bottom Layer	⌒	2	6'-2"	33
	Reinforcing Steel, Galvanized - Total (lbs.)					67
Epoxy Coated	5b1	Circular Tie Bars - Outside Face	○	3	16'-0"	50
	5b2	Circular Tie Bars - Inside Face	○	3	13'-2"	42
	5b3	Tie Bars - Vertical	—	8	0'-9"	6
Reinforcing Steel, Epoxy Coated - Total (lbs.)					98	

INTAKE ADJUSTMENT RING

For bedding and backfill purposes, use crushed rock or crushed gravel material complying with Article 4120.04 of the Standard Specifications for all bedding and backfill. Place and compact the material according to Article 2435.03, A. Use 100% crushed gravel produced by crushing material retained on a 1.5 inch or larger screen.

No.	Location		Proposed Intake Inlet Elev.	Form Grade Intake Adjustment Ring Elev.	Flow Line Elevation	Bottom of Well Elevation	Remarks
	Station	Offset					

IOWA DOT
ROAD DESIGN DETAIL
 REVISIONS: New.
 REVISION NEW 10-20-15
500-05
 SHEET 1 of 1

Stuart Miller
PRECAST CONCRETE DRAIN EXTENSION