

TYPICAL SECTION

REINFORCING BAR LIST							
Mark	Size	Location	Shape	Count	Length	Spacing	
4t1	4	Beam		4	2'-8"	4"	
4b1	4	Base		4	7'-10"	10"	
4b2	4	Base		8	3'-2"	12"	
4w1	4	Walls		20	Wall Height minus 4"	12"	
4w2	4	Long Walls		Varies	7'-4"	12"	
4w3	4	Short Walls		Varies	2'-8"	12"	

MAXIMUM PIPE DIAMETERS						
Pipe	Precast	Cast-in-place				
Location	Structure	Structure				
Short Wall	15"	18"				
Long Wall	60"	66"				

- 1 Install four #4 diagonal bars at all pipe openings.
- 2 Cast-in-place base shown. If base is precast integral with walls, the footprint of the base is not required to extend beyond the outer edge of the walls.
- 3 12 inch minimum wall height above all pipes.

REVISION
2 04-17-18

HGURE 6010.505 STANDARD ROAD PLAN
REVISIONS: Changed 'Invert' callout to 'Concrete fillet'. Updated linework and lowa DOT and SUDAS logo.

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REVISION
SHEET 2 of 2

REVISION
DESIGN METHODS ENGINEER

DOUBLE GRATE INTAKE

FIGURE 6010.505 SHEET 2