

CULVERT ANALYSIS

PID : _____ **Date :** _____ **Project :** _____ **Location :** _____
Description : _____ **Designer :** _____

HEADWATER CONTROL CODES:

- INLET - Inlet Control.
- OUTLET - Outlet Control.
- OUTLET* - Outlet Control with backwater curve used to compute headwater. See Figure III - 7E in HDS 5 for type flow.
- OUTLET** - Outlet Control - See Figure III - 7D in HDS 5 for type flow.
- N/A - Flow is supercritical with low headwater and low tailwater. Control Section is at the inlet.

Pipe Number : 1	Use HW : 0	Inlet Invert Elevation (ft.) : 843.12	Outlet Invert Elevation (ft.) : 840.46		
Pipe Quantity : 1					
Culvert Type : Circular Corrugated		Pipe Length (ft.) : 117.00	Culvert Slope (ft./ft.) : 0.0227		
Corrugation Type : Corrugated Metal Pipe (2 2/3 x 1/2 in. corrugations)					
Pipe Size : 24 in.					
Design Manning 'n' : (default)	Buried Manning 'n' : N/A				
Entrance Type : Headwall		Loss Coef. Ke : 0.2500	K : 0.0083	M : 2.00	Max. Q : 3.30
		CD : 0.6405	c : 0.0379	Y : 0.6900	Min. Q : 3.80

	FLOW	HEAD	HWI	HWO	FLOW	VELOCITY	DN	DC	MANNING	HEADWATER	BURIED	TAILWATER
	(cfs.)	LOSS	(ft.)	(ft.)	TYPE	(fps.)	(ft.)	(ft.)	N	CONTROL	DEPTH	ELEVATION
		(ft.)									(ft.)	(ft.)
	9.44	2.70	844.71	N/A	1 - C	5.79	1.03	1.10	0.0247	INLET	0.00	840.46
	29.44	8.82	847.81	851.20	2 - F	9.69	2.00	1.85	0.0247	OUTLET**	0.00	840.46