



CULVERT ANALYSIS

PID : 122339 **Date :** 12/12/2024 **Project :** ATB/TRU-CULVERTS-FY26 **Location :** ATB-193-11.140

Description : Ex. 84"x36" Slab Top

Designer : MEP

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.) :** 966.07 **Outlet Invert Elevation (ft.) :** 966.03
Pipe Quantity : 1
Culvert Type : Box **Pipe Length (ft.) :** 35.00 **Culvert Slope (ft./ft.) :** 0.0011
Corrugation Type :
Pipe Size : 7.0 x 3.0 ft.
Design Manning 'n' : (default)
Entrance Type : 0 degree (Extension of sides) **Loss Coef. Ke :** 0.5000

	FLOW (cfs.)	HEAD LOSS (ft.)	HWI (ft.)	HWO (ft.)	FLOW TYPE	VELOCITY (fps.)	DN (ft.)	DC (ft.)	MANNING N	HEADWATER CONTROL	BURIED DEPTH (ft.)	TAILWATER ELEVATION (ft.)
	101.00	1.37	969.21	969.27	1 - A	7.75	3.00	1.86	0.0120	OUTLET*	0.00	966.50
	111.00	1.50	969.52	969.47	1 - C	5.29	3.00	1.98	0.0120	INLET	0.00	966.50
	121.00	1.68	969.82	969.67	2 - E	5.76	3.00	2.10	0.0120	INLET	0.00	966.50
	131.00	1.87	970.11	969.87	2 - E	6.24	3.00	2.22	0.0120	INLET	0.00	966.50
	141.00	2.06	970.41	970.06	2 - E	6.71	3.00	2.33	0.0120	INLET	0.00	966.50
	151.00	2.25	970.71	970.25	2 - E	7.19	3.00	2.44	0.0120	INLET	0.00	966.50
	161.00	2.44	971.01	970.43	2 - E	7.67	3.00	2.54	0.0120	INLET	0.00	966.50
	171.00	2.82	971.49	970.61	2 - E	8.14	3.00	2.65	0.0120	INLET	0.00	966.50



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181.00	3.03	971.80	970.79	2 - E	8.62	3.00	2.75	0.0120	INLET	0.00	966.50
191.00	3.20	972.16	971.06	2 - E	9.10	3.00	2.85	0.0120	INLET	0.00	966.50