



# CULVERT ANALYSIS

**PID :** 122339      **Date :** 12/19/2024      **Project :** ATB/TRU-CULVERTS-FY26      **Location :** TRU-193-23.897

**Description :** Ex. 60"x48" 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.) :** 1063.80      **Outlet Invert Elevation (ft.) :** 1062.70  
**Pipe Quantity :** 1  
**Culvert Type :** Box      **Pipe Length (ft.) :** 40.00      **Culvert Slope (ft./ft.) :** 0.0275  
**Corrugation Type :**  
**Pipe Size :** 5.0 x 4.0 ft.  
**Design Manning 'n' :** (default)  
**Entrance Type :** 30 - 75 degrees Wingwalls      **Loss Coef. Ke :** 0.2000

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.)
110.00	1.67	1067.60	N/A	1 - C	18.01	1.22	2.47	0.0120	INLET	0.00	1062.70
136.50	2.25	1068.38	N/A	1 - C	19.21	1.42	2.85	0.0120	INLET	0.00	1062.70
163.00	2.85	1069.15	1067.69	2 - E	20.24	1.61	3.21	0.0120	INLET	0.00	1062.70
189.50	3.65	1070.13	1068.35	2 - E	21.13	1.79	3.55	0.0120	INLET	0.00	1062.70
216.00	4.38	1071.02	1069.07	2 - E	21.91	1.97	3.87	0.0120	INLET	0.00	1062.70