



CULVERT ANALYSIS

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

Description : Proposed Culvert Design - Box

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 : 6.0 x 4.0 ft.
Design Manning 'n' : (default)
Entrance Type : 30 - 75 degrees Wingwalls **Loss Coef. Ke :** 0.2000

	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.)
	110.00	1.35	1067.14	N/A	1 - C	17.40	1.05	2.18	0.0120	INLET	0.00	1062.70
	136.50	1.75	1067.71	N/A	1 - C	18.68	1.22	2.52	0.0120	INLET	0.00	1062.70
	163.00	2.24	1068.36	N/A	1 - C	19.74	1.38	2.84	0.0120	INLET	0.00	1062.70
	189.50	2.73	1069.01	1067.56	2 - E	20.69	1.53	3.14	0.0120	INLET	0.00	1062.70
	216.00	3.24	1069.65	1068.09	2 - E	21.52	1.67	3.43	0.0120	INLET	0.00	1062.70