



CULVERT ANALYSIS

PID : 122339 **Date :** 11/25/2024 **Project :** ATB/TRU-CULVERTS-FY26 **Location :** ATB-45-17.196

Description : Ex. 42" CMP OHWM

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.) :** 783.89 **Outlet Invert Elevation (ft.) :** 780.02
Pipe Quantity : 1
Culvert Type : Circular Corrugated **Pipe Length (ft.) :** 152.00 **Culvert Slope (ft./ft.) :** 0.0255
Corrugation Type : Corrugated Metal Pipe (2 2/3 x 1/2 in. corrugations)
Pipe Size : 42 in.
Design Manning 'n' : 0.0237
Entrance Type : Half Headwall **Loss Coef. Ke :** 0.9000

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.)
15.00	3.21	785.57	N/A	1 - C	6.83	0.98	1.18	0.0237	INLET	0.00	781.12