



CULVERT ANALYSIS

PID : 119382 **Date :** 12/16/2025 **Project :** D04 BH/CR FY2027

Location : POR-224-4.195

Description : Ex. 72" CMP

Designer : PB

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.) : 1110.72

Outlet Invert Elevation (ft.) : 1110.66

Pipe Quantity : 1

Culvert Type : Circular Corrugated

Pipe Length (ft.) : 124.00

Culvert Slope (ft./ft.) : 0.0005

Corrugation Type : Corrugated Metal Pipe (2 2/3 x 1/2 in. corrugations)

Pipe Size : 72 in.

Design Manning 'n' : (default)

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.)
509.00	15.09	1130.24	1131.59	2 - F	18.36	6.00	5.69	0.0229	OUTLET**	0.00	1110.66
731.00	31.12	1146.85	1147.74	2 - F	25.92	6.00	5.92	0.0229	OUTLET**	0.00	1110.66