CULVERT ANALYSIS

PID : 116570 **Date :** 10/13/2025 **Project :** ERI-6 **Location :** STA. 645+36

Description : Drive Pipe **Designer :** BLC

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 : 808 **Use HW :** 0 **Inlet Invert Elevation (ft.) :** 578.85 **Outlet Invert Elevation (ft.) :** 578.50

Pipe Quantity : 1

Culvert Type : Circular Smooth **Pipe Length (ft.) :** 87.00 **Culvert Slope (ft./ft.) :** 0.0040

Corrugation Type :

Pipe Size : 18 in.

Design Manning 'n' : (default)

Entrance Type : No Headwall **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.)
2.47	0.61	579.68	579.71	1 - A	3.78	0.61	0.60	0.0120	OUTLET*	0.00	578.50
2.68	0.63	579.72	579.75	1 - A	3.88	0.63	0.62	0.0120	OUTLET*	0.00	578.50