

Facility Description(5)	Methodology				
	IDNR Coordinated Curves	TR-20	HEC I	USGS Regression Equations	Rational Method (6)
Stream Flow, Channels, Bridges, Large Culverts	(1)	(2)	(2)	(4)	
Small Culverts		(1)	(1)	(4)	(2)
Storm Drains, Roadside Ditches, Side Culverts, Inlet Spacing		(2)	(2)		(1)
Pumping Stations		(3)	(3)		(2)
Detention Basins		(3)	(3)		(4)

*Note: TR-55 methodology is acceptable for time of concentration only.*

- (1) *Preferred method.*
- (2) *Alternative when (1) is not applicable.*
- (3) *Preferred for complex facilities or when hydrograph is needed.*
- (4) *Method may be used for preliminary evaluation.*
- (5) *The IDNR Letter of Discharge is required for projects that need an IDNR Permit.*
- (6) *The Rational Method can only be used for drainage areas less than 100 acres in urban areas and less than 200 acres in rural areas.*

## **SELECTION OF DISCHARGE COMPUTATION METHOD**

**Figure 29-6A**