

### **EPSC General Notes**

1. Sediment shall be removed from silt fence when reaches 1/3 the height of the fence; sediment shall be removed from all other EPSC measures and control as recommended in the TNEPSC Handbook, and must be removed when design capacity has been reduced by 50%.
2. EPSCs shall be implemented before earth-moving begins.
3. Areas where construction has temporarily/permanently ceased shall be stabilized within 15 days (7 days for  $\geq 35\%$  slopes)
4. Inspections of outfalls/EPSC measures shall be conducted at least twice weekly and at least 72 hours apart
5. Vegetation, EPSCs & other protective measures shall be repaired, replaced, or modified within 7 days of being notified of an issue
6. Construction shall be phased for activities that will disturb  $>50$  acres.
7. EPSCs shall be designed to control the rainfall and runoff from a 2-year, 24-hour return interval storm; be designed to control the rainfall and runoff from a 5-year, 24-hour return interval storm.
8. Temporary sediment basin(s) shall be provided for on-site outfalls that receive drainage from  $\geq 10$  acres;  $\geq 5$  acres for sites that discharge to impaired or exceptional TN waters.
9. Green infrastructure BMPs shall be protected during site work, with silt fence, to prevent sedimentation and compaction.

### **Grading & Drainage Data Chart**

- Site Area: XXX AC
- Impervious Area: XXX AC
- Disturbed Area: XXX AC
- Rv Value: XX
- Peak Flow Runoff
  - 2 year: XX CFS
  - 5 year: XX CFS
  - 10 year: XX CFS
  - 25 year: XX CFS
  - 50 year: XX CFS
  - 100 year: XX CFS

**Standard Pipe and Structure Charts**

Pipe Data								
Line	Size (in)	Material	Length (ft)	Slope (%)	Q inlet (cfs)	Q total (cfs)	Capacity (cfs)	Velocity (ft/s)
1-2	15	RCP	50	1.00%	0.32	0.32	6.75	5.21
2-3	18	RCP	75	1.50%	0.75	1.07	10.56	4.35
3-4	24	RCP	65	1.30%	1.21	2.28	28.75	2.36

Structures							
#	Type	TOC Elev	Inv Out Elev	Inv In Elev	Upstream Structure	Depth (ft)	Location
1	Headwall	--	--	597.51	--	--	Franklin Rd, Sta 851+42.72, 20.15 LF
2	Double Grate Inlet	596.01	591.76	591.96	--	4.25	Franklin Rd, Sta 851+02.72, 30.15 LF
3	Single Grate Inlet	595.34	589.56	590.76	1	5.78	N: 571527.29, E: 1709441.55*
				589.76	2		

\*Bearings shown hereon are based on the Tennessee Coordinate System of 1983.