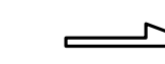
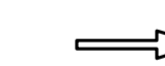



**DRAINAGE AREA #1**  
 Total Area = 94 Acres  
 $Q_{(100)} = 103$  cfs  
 Participating Area = 71 Acres\*  
 Participating  $Q_{(100)} = 97$  cfs\*

**DRAINAGE AREA #2**  
 Total Area = 23 Acres  
 $Q_{(100)} = 34$  cfs  
 Participating Area = 23 Acres\*  
 Participating  $Q_{(100)} = 34$  cfs\*

**DRAINAGE SUMMARY**  
 Total  $Q = 137$  cfs  
 Participating  $Q = 131$  cfs\*  
 $\text{Participating } Q / \text{Total } Q = 131 \text{ cfs} / 137 \text{ cfs} = 0.95$   
 Participating Portion of SWS System = 95%

\* = The Area and Flows Generated Within the 600' Offset Either Side of the Section Line as Required by KDOT Policy.

-  OVERLAND FLOW
-  FLOW IN SWS SYSTEM
-  2100 L.F. 54" RCP @ 0.100%  
Max. Flow = 60 cfs

**DRAINAGE MAP**

**MACARTHUR ROAD  
 MERIDIAN TO SENECA**

NOT TO SCALE

Drawing File: F:\MacArthur\Drainage 4.05.dwg

Design: STAFF  
 Drawn: TPV  
 Approved: TPV  
 Scale: 1" = 400'

Project No. 0404.E856 CAPITAL IMPROVEMENT PROJECT

**DRAINAGE PLAN**

MACARTHUR ROAD PAVING, MERIDIAN AVENUE TO SENECA STREET

July 2007