



NOTES

1. Incoming Flows from the Maize Middle School Property located in the Southwest Quadrant of the 37th and Tyler Intersection are calculated to be 40 cfs. This information is based on the Central Maize Schools Addition Drainage Study performed by Moehring & Associates, July 2001.
2. Bridge Replacement over the Big Slough will be built in conjunction with this road project. Bridge plan sheets included herein reflect design water surface of the Big Slough and the subsequent flows. (Please see Bridge Sheets for additional info)
3. Residential Properties shown that discharge drainage into this system are in various stages of platting, or concept and may or may not have complete drainage plans at the time of this plan.

DRAINAGE AREA #1
 Total Area = 140 Acres
 $Q_{(100)} = 100$ cfs
 Participating Area = 10 Acres*
 Participating $Q_{(100)} = 28$ cfs*

DRAINAGE AREA #3
 Total Area = 27 Acres
 $Q_{(100)} = 70$ cfs
 Participating Area = 27 Acres*
 Participating $Q_{(100)} = 70$ cfs*

DRAINAGE AREA #2
 Total Area = 130 Acres
 $Q_{(100)} = 40$ cfs
 Participating Area = 26 Acres*
 Participating $Q_{(100)} = 40$ cfs*
 (See General Note 1)

DRAINAGE AREA #4
 Total Area = 28 Acres
 $Q_{(100)} = 70$ cfs
 Participating Area = 23 Acres*
 Participating $Q_{(100)} = 66$ cfs

DRAINAGE SUMMARY
 Total $Q = 280$ cfs
 Participating $Q = 204$ cfs*
 Participating $Q / \text{Total } Q = 204 \text{ cfs} / 280 \text{ cfs} = 0.73$
 Participating Portion of SWS System = 73%

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



KEY

— FLOW DIRECTION

DRAINAGE MAP
37TH STREET NORTH
TYLER ROAD TO RIDGE ROAD
 NOT TO SCALE