

Prepared by: JAM 02/23/11

Table with columns: Upper Str. Number, Lower Str. Number, Len in Ft., In C.F.S., Total Q C.F.S., Pipe Size in, Const. Grade, V in Ft., Vh in Ft., D x Vh, Hyd. Grade, Flow Line Elevation, Top of Structure Elevation, Free Board, Hydraulic Grade Line, Frict. Loss, Curve Loss, Junc. Loss, Entr. Loss, Angle Loss, Turn Loss, Capacity Q/Cap., D/Cap., Normal Depth Ft.

Prepared by: JAM 02/23/11

Table with columns: Upper Str. Number, Lower Str. Number, Len in Ft., In C.F.S., Total Q C.F.S., Pipe Size in, Const. Grade, V in Ft., Vh in Ft., D x Vh, Hyd. Grade, Flow Line Elevation, Top of Structure Elevation, Free Board, Hydraulic Grade Line, Frict. Loss, Curve Loss, Junc. Loss, Entr. Loss, Angle Loss, Turn Loss, Capacity Q/Cap., D/Cap., Normal Depth Ft.

NOTE: A=Area Inlet, M=Manhole, T=Terminal Structure, CI=Curb Inlet, DCI=Double Curb Inlet, SCS=Skewed Curb Inlet, TP=Tangent Point, EP=End of Pipe, DS=Outfall Structure n=0.013 For RCP, 0.024 For CMP, For Drainage Areas, P.I. & Bypass, See Drainage Area Map.

NOTE: A=Area Inlet, M=Manhole, T=Terminal Structure, CI=Curb Inlet, DCI=Double Curb Inlet, SCS=Skewed Curb Inlet, TP=Tangent Point, EP=End of Pipe, DS=Outfall Structure n=0.013 For RCP, 0.024 For CMP, For Drainage Areas, P.I. & Bypass, See Drainage Area Map.

Vertical text on the left margin: Drawing name: K:\0212311 RHODES TRACT\DWG\IMPROVEMENTS\23111510.dwg, Printed on: Feb. 20, 2008 - 10:05am, Printed by: lgruen

Table with columns: ISSUE, REMARKS/DATE, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

PROJECT: COUNTRYSHIRE ENGINEERS & SURVEYORS 5091 New Baumgartner Road St. Louis, Missouri 63129 (314) 487-4717

STERLING CO. logo and contact information for CMB RHODES, L.L.C. at 5091 New Baumgartner Road, St. Louis, Missouri 63129. Includes phone number (314) 487-4717 and email Sterling@sterlingengr.com.

Table with columns: NO, SHEET, M.S.D., P.W., 8.1, SHEET TITLE: HYDRAULIC CALCULATIONS