

LINE : "G"

Line	ToLine	LineLength (ft)	Incr.Area (ac)	TotalArea (ac)	RunoffCoeff. (C)	IncrC x A	TotalC x A	InletTime (min)	TimeConc (min)	Rnfallnt (in/hr)	TotalRunoff (cfs)	AdnlFlow (cfs)	TotalFlow (cfs)	CapacFull (cfs)	Veloc (ft/s)	PipeSize (in)	PipeSlope (%)	Inv ElevUp (ft)	Inv ElevDn (ft)	HGLUp (ft)	HGLDn (ft)	Grnd/RimUp (ft)	Grnd/RimDn (ft)	Line ID
1	llaftuO	13.432	0	0	9.0	0	0	01	01	0	0	71.03	71.03	32.02	95.7	72	34.0	935	835	84.245	52.045	0	0	WH:1-G

LineNo.	Inlet ID	Area (ac)	InletTime (min)	Int. (in/hr)	RunoffCoeff. (C)	Q =CIA (cfs)	Q Carry-over (cfs)	QCaptured (cfs)	QBypassed (cfs)	JunctType	CurbHeight (in)	CurbLength (ft)	GrateArea (sqft)	GrateLength (ft)	GrateWidth (ft)	GutterSlope (ft/ft)	GutterWidth (ft)	CrossSlope, Sw (ft/ft)	CrossSlope, Sx (ft/ft)	LocalDepr. (in)	InletDepth (ft)	InletSpread (ft)	GutterDepth (ft)	GutterSpread (ft)	BypassLine No.
1	G-1:HW	0	10	0	0.9	30.17	0	30.17	0	Hdwall	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

Line	PipeSize (in)	Q (cfs)	Inv ElevDn (ft)	HGLDn (ft)	DepthDn (ft)	AreaDn (sqft)	VelocDn (ft/s)	Vel HdDn (ft)	EGLDn (ft)	SfDn (%)	LineLength (ft)	Inv ElevUp (ft)	HGLUp (ft)	DepthUp (ft)	AreaUp (sqft)	VelocUp (ft/s)	Vel HdUp (ft)	EGLUp (ft)	SfUp (%)	SfAve (%)	EnergyLoss (ft)	JLCCoeff (K)	MinorLoss (ft)	Line ID
1	27	30.17	538	540.25	2.25	3.98	7.59	0.9	541.15	0.95	234.31	539	542.48	2.25	3.98	7.59	0.9	543.37	0.949	0.95	2.225	1	0.9	G-1:HW

LINE : "H"

Line	ToLine	LineLength (ft)	Incr.Area (ca)	TotalArea (ca)	RunoffCoeff. (C)	IncrC x A	TotalC x A	InletTime (min)	TimeConc (min)	Rnfallnt (in/hr)	TotalRunoff (cfs)	AdnlFlow (cfs)	TotalFlow (cfs)	CapacFull (cfs)	Veloc (fps)	PipeSize (in)	PipeSlope (%)	Inv ElevUp (ft)	Inv ElevDn (ft)	HGLUp (ft)	HGLDn (ft)	Grnd/RimUp (ft)	Grnd/RimDn (ft)	Line ID
1	Outfall	234.31	0	0	0.9	0	0	10	10	0	0	31.05	31.05	31.99	7.81	27	1.07	538	535.5	543.27	540.91	0	0	H-1:

Line	PipeSize (in)	Q (cfs)	Inv ElevDn (ft)	HGLDn (ft)	DepthDn (ft)	AreaDn (sqft)	VelocDn (ft/s)	Vel HdDn (ft)	EGLDn (ft)	SfDn (%)	LineLength (ft)	Inv ElevUp (ft)	HGLUp (ft)	DepthUp (ft)	AreaUp (sqft)	VelocUp (ft/s)	Vel HdUp (ft)	EGLUp (ft)	SfUp (%)	SfAve (%)	EnergyLoss (ft)	JLCCoeff (K)	MinorLoss (ft)	Line ID
1	27	31.05	535.5	540.91	2.25	3.98	7.81	0.95	541.86	1.006	234.31	538	543.27	2.25	3.98	7.81	0.95	544.22	1.006	1.006	2.357	1	0.95	H-1:



DOUPHRATE & ASSOCIATES, INC.
 ENGINEERING - PROJECT MANAGEMENT - SURVEYING
 22335 RIDGE RD., # 200 ROCKWALL, TEXAS 75087
 PHONE: (972)771-9004 FAX: (972)771-9005

STORM CALCULATIONS
 ROCKWALL CROSSING
 26.09 AC.
 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

REVISION	W.L.D. CHECKED
	Y.B. DRAWN
DATE	10/15/04
PROJECT	0242
	10 C OF 21

REVISED TO CONFORM TO CONSTRUCTION RECORDS.
 DATE: 5/24/06