

LINE : "A"

WinStorm (STORM DRAIN DESIGN)

Version 3.05, Jan. 25, 2002
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PROJECT NAME : TGI FRIDAY
JOB NUMBER : 0429
PROJECT DESCRIPTION : TGI FRIDAY @ ROCKWALL CROSSING
DESIGN FREQUENCY : 100 Years
MEASUREMENT UNITS: ENGLISH

OUTPUT FOR DESIGN FREQUENCY of: 100 Years

Runoff Computation for Design Frequency.

ID	C Value	Area (acre)	Tc (min)	Tc Used (min)	Intensity (in/hr)	Supply Q (cfs)	Total Q (cfs)
A-1	0.9	0.68	10.00	10.00	9.85	0.000	6.027
A-2	0.9	0.65	10.00	10.00	9.85	0.000	5.761

Sag Inlets Configuration Data.

Inlet ID	Inlet Type	Inlet Length/ Perim. (ft)	Grate Area (sf)	Left-Slope (%)	Right-Slope (%)	Long Trans (%)	Gutter n	Depth DeprW (ft)	Depth Allowed (ft)	Critic Elev. (ft)
A-1	Curb	5.00	n/a	3.00	2.00	1.00	2.00	0.014	1.50	554.86
A-2	Curb	5.00	n/a	3.00	2.00	3.00	2.00	0.014	1.50	554.86

Sag Inlets Computation Data.

Inlet ID	Inlet Type	Inlet Length (ft)	Grate Perim (ft)	Grate Area (sf)	Total Q (cfs)	Inlet Capacity (cfs)	Total Head (ft)	Ponded Left (ft)	Ponded Right (ft)
A-1	Curb	5.00	n/a	n/a	6.027	6.261	0.487	8.00	10.00
A-2	Curb	5.00	n/a	n/a	5.761	6.261	0.473	8.00	8.00

Cumulative Junction Discharge Computations

Node I.D.	Node Type	Weighted C-Value	Cumulat. Dr.Area (acres)	Cumulat. Tc (min)	Cumulat. Intens. (in/hr)	User Supply Q (cfs)	Additional Q in Node (cfs)	Total Disch. (cfs)
A-1	Curb	0.900	1.33	10.25	9.75	0.000	0.00	11.668
A-2	Curb	0.900	0.65	10.00	9.85	0.000	0.00	5.761
OUT	Outlet	0.900	1.33	10.25	9.75	0.000	0.00	11.668

Conveyance Configuration Data

Run#	Node I.D.	Flowline Elev.	US	DS	Shape	#	Span	Rise	Length	Slope	n_value
			(ft)	(ft)		(ft)	(ft)	(ft)	(%)		
1	A-2	A-1	550.50	549.50	Circ	1	0.00	1.50	95.00	1.05	0.013
2	A-1	OUT	549.50	549.25	Circ	1	0.00	1.50	13.12	1.91	0.013

Conveyance Hydraulic Computations. Tailwater = 551.760 (ft)

Run#	Hydraulic US Elev (ft)	Gradeline DS Elev (ft)	Fr.Slope (%)	Depth Unif. (ft)	Actual (ft)	Velocity Unif. (f/s)	Actual (f/s)	Q (cfs)	Cap (cfs)	Junc Loss (ft)
1*	552.21	551.92	0.301	0.78	1.50	6.21	3.26	5.76	10.78	0.000
2*	551.92	551.76	1.233	1.02	1.50	9.12	6.60	11.67	14.50	0.000

=====END=====

* Super critical flow.

NORMAL TERMINATION OF WINSTORM.

Warning Messages for current project:

Runoff Frequency of: 100 Years



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY SCOTT A. HOLDEN TEXAS P.E. NO. 90994 ON 11/2/05

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STORM SEWER CALCULATIONS
T.G.I. FRIDAY'S
1.41 AC.
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

REVISION
S.A.H. CHECKED
Y.B. DRAWN
01/15/05 DATE
0429 PROJECT
7.1 OF 21

RECORD DRAWING

THIS DRAWING HAS BEEN REVISED TO REFLECT CONSTRUCTION RECORDS MAINTAINED AND PROVIDED BY THE CONTRACTOR FOR THIS PROJECT.
DATE: 11-2-05