\$ ص ال

Carriage S. of Westway (E)

SITE 11

Alley between Summit Ridge & Glenn

00

 $\stackrel{-}{\ominus}$

9.8

0.5

2.20

10.8

0.0

10.8

LP

Parabolic

Drop

Westway at Carriage

100 8

10

9,8

5 10

9.8 9,8

0.5

00

0

9,8

0.5 0,5 0.5

0.73

00 00 0.0 0.0

12.4 19.3

20

2.5%

Parabolic

Curb Curb

1.9

26 30 20

59% 7%

Parabolic Parabolic Parabolic

20 0

> 6,5 11.9

I

Curb Curb

3,93 4.04 0.55

19.3

19.8

19.8

2

9.6

12.3

2.5%

10+14

0.0

Carriage N. of Westway (E) Carriage S. of Westway (W) 5-2

Heath West of Fannin

100 00

10 3

9,8 9.0

0,5 0.5

8.34

40.9 93.6

0.0 0.0

#0.9

i

Ę

Parabolic

10+2-14

Curb

Hdwl.

0.0

20.79

00

SITE 8

South of Heath

Lakeshore at Stonecrest Lakeshore at Dartbrook

00

0 5 10 0 10 10 5 $\overline{0}$ 10 10 10

9.00 9,8 9.0 9,8 9,8 9,8 9.8 9.8 9.0 9,8

0.5

6.77

30.5

64.8 33,8 0.0

95.3

i

LP

Parabolic Parabolic

3-6-5-10

Curb

Curb Ourb Curb Curb

8.13 52.8 12.7

16*

59%

16* 16*

5% 5%

6+2-10

33.8 34. 1

4.01

18.0

00 00 Meadowdale at Lakeshore (N)

00 I

100 00 00

00

0,5 0,5

1.62

1.85

9,1 9.6

0.5

2.56

12.5

0.2 0.0 0.0 0.0 0.0

> 7.9 9.1 9,6

26 26

59% 59% 5%

6-10

Curb

0.0

6+8

6-10 6-10 6-20

Curb Curb Curb

26 26 26

Dartbrook at Lakeshore (S)

Dartbrook at Lakeshore (N)

Meadowdale at Lakeshore (S)

Lakeshore at Russwood

100

.akeshore at Meadowdale

HILIS

INLET

Design Storm Frequency (yrs.)

Time of Cone.

Intensity

Runoff Coeff. "C"

Arrea (ac.)

"Q"

Upstream Inlet (c.f.s.)

Gutter Flow (c.f.s.)

Gutter Capacity (c.f.s.)

Gutter Slope (ft/100 ft.

Crown Type

Length
"Li"
(Feet)

Type

Downstream Inlet (c.f.s.)

SELECTED INLET

Carry-Over To

 $\begin{array}{c}
AREA & RUNOFF \\
0 = CIA
\end{array}$

INLET DESIGN CALCULATIONS

Rockbrook at Lakeshore (N

100

Russwood at Lakeshore (N) Rockbrook at Lakeshore (S)

001 100 100

9.8

0.5 0.5

0

1.64 1.38

90 — 9.0

0.0 0.0 0.0

. — . 0

26

50% 5% 5%

8+0

Curb Curb

0.0

30.7

1.9

6+6 8+9 8+0

0.0

Curb Curb

0.2

26 26

0.5 0.5

2.39

23.88

107.5

107.5

11.7

5%

5%

0.5

1.95

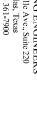
9.8 9.8

.69 2

Stonecrest at Lakeshore Russwood at Lakeshore (S)

1	
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This record drawing is a compilation of the sealed engineering drawing for this project, modified by addenda, change orders and information furnished by the contractor. The information shown on the record drawings that was rounded by the contractor or others not associated with the design engineer cannot be verified for accuracy of a mapleteness. This original sealed drawings are on file at the offices of Birthaff, Hendricks & Conway, L.L.P.

BY RVC

DATE <u>5/12/09</u>

SIGN CAI CULATIONS

7

CITY OF ROCKWALL, TEXAS NEIGHBORHOOD DRAINAGE IMPROVEMENTS

BHC PROJECT NO. 2006-182

JANUARY, 2007

REVISED: 5/11/09 - WHAYS

Heath E. of Austin

100 100

10

9.8

0.5 0.5

7.86 6.24

38.5

0.0

38.5 30.6

28*

1.25%

2-20

Curb

0.0

0.0

ĮP

Parabolic Parabolic

2-15+2x2 Curb & Droj

30.6

1

Austin at Heath

* Full street capacity with flow to top of curb.

** 17.6 cfs assumed to flow out of drainage basin.

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
7502 Greenville Ave., Suite 220
Dallas, Texas
(214) 361-7900



37891 0 B

PLOT STYLE: 11x17.ctb PLOTTED BY: WHAYS ON 5/13/2009

PLOT SCALE: 1:2