



Application for Plan Review

Application # FW1911-0004

Date Received: 5-13-2020 Received By: _____

Name of Project: CARLIE C'S IGA

Physical Address of Project: 333 N. RALEIGH RD.

ANGIER NC

Plans Submitted By: MARK FORD / ANDREW DORMAN

Project Phone: (9) - - - - -

Contact Person/Address: MARK FORD

P.O. BOX 250

DUNN, N.C. 28335

Contact Phone: (910) - 892 - 1700 () - - - - -

Contractor's Name/Info: CAROLINA FIRE PROTECTION, INC.

P.O. BOX 250

DUNN, N.C. 28335

Contractor's Phone: (910) - 892 - 1700

*Sprinkler
Plan
Review*

- Plans that are submitted will be reviewed as quickly as possible with an average time of review between 7-10 working days.
- Status checks may be conducted on plan reviews by visiting the website <http://hteweb.harnett.org/Click2GovBP/Index.jsp> or by calling the Harnett County Central Permitting Office (910-893-7525, Option #2), or the Harnett County Fire Marshal's Office (910-893-7580).
- Approved plans must be picked up from the Central Permitting Office and all fees paid before any required inspections can be conducted.

Carolina Fire Protection

4055 Hodges Chapel Road
Dunn, N.C. 28334
Phone #(910)-892-1700
Fax #(910)-892-7322

Transmittal Letter

This correspondence may contain confidential information intended for the use of the individual or entity to whom it is addressed. If the reader is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination or copying is strictly prohibited.

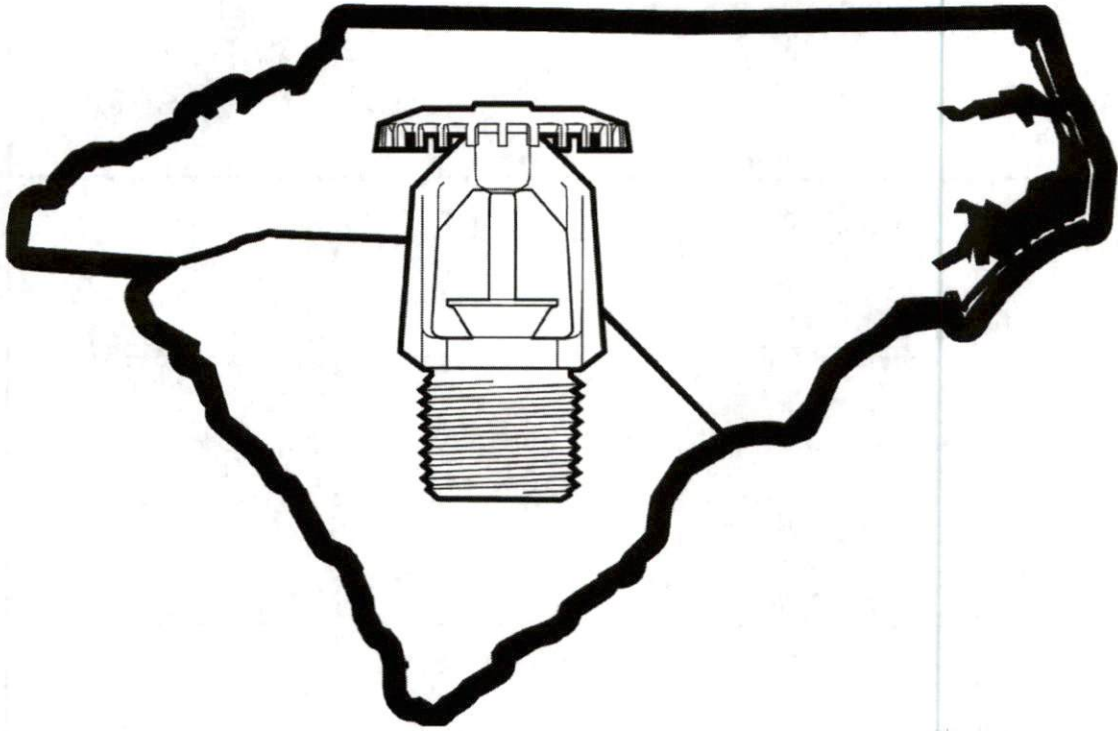
Date April 24, 2020
To Central Permitting
108 E. Front Street
Lillington, NC 27546
Attention Plan Review
From Mark Ford / Andrew Dorman
Subject Carlie C's
Angier, NC

# SETS	PAGES	DESCRIPTION	APPROVAL	FOR YOUR USE	INFORMATION	RECORDS	OTHER
3	FP-1	Sprinkler Drawings	X				
1		Hydraulic Calculation	X				
1		Permit Application	X				

MAILED FED EX UPS HAND DELIVERED

X PLEASE RETURN (1) COPY OF DRAWINGS MARKED WITH YOUR STAMP OF APPROVAL AND/OR YOUR COMMENTS

REMARKS:



Carolina Fire Protection, Inc.
4055 Hodges Chapel Road
P.O. Box 250 (28335)
Dunn, NC 28334
910-892-1700

Job Name : Carlie C'S Angier
Building : New addition
Location : Angier, NC
System :
Contract : 20D471
Data File : CARLIE C'S ANGIER 1500.wxtmp

Hydraulic Design Information Sheet

Name - Carlie C'S Angier Date - 4-24-2020
 Location - Angier, NC
 Building - New addition System No. -
 Contractor - Carolina Fire Protection, Inc. Contract No. - 20D471
 Calculated By - M.Ford Drawing No. -
 Construction: () Combustible (X) Non-Combustible Ceiling Height - Varies
 Occupancy - Mercantile

S (X) NFPA 13 () Lt. Haz. Ord.Haz.Gp. () 1 (X) 2 () 3 () Ex.Haz.
 Y () NFPA 231 () NFPA 231C () Figure Curve
 S Other
 T Specific Ruling Made By Date

M	Area of Sprinkler Operation	- 1500	System Type	Sprinkler/Nozzle
	Density	- .20	(X) Wet	Make Reliable
D	Area Per Sprinkler	- 130	() Dry	Model Upright
E	Elevation at Highest Outlet	- 14.833	() Deluge	Size 3/4"
S	Hose Allowance - Inside	- n/a	() Preaction	K-Factor 8.0
I	Rack Sprinkler Allowance	- n/a	() Other	Temp.Rat.155
G	Hose Allowance - Outside	- 250		

N Note

Calculation Flow Required - 606.29 Press Required - 32.784 Test
 Summary C-Factor Used: 120 Overhead 140 Underground

W Water Flow Test: Pump Data: Tank or Reservoir:
 A Date of Test - 12-14-18 Cap. -
 T Time of Test - 10:30 am Rated Cap.- Elev.-
 E Static Press - 53 @ Press -
 R Residual Press - 44 Elev. - Well
 Flow - 748 Proof Flow
 S Elevation - 0

U Location - See Attached

P Source of Information - Carolina Fire Protection, Inc.
 L
 Y

C	Commodity	Class	Location
O	Storage Ht.	Area	Aisle W.
M	Storage Method:	%	Palletized % Rack
	() Single Row	() Conven. Pallet	() Auto. Storage () Encap.
S	() Double Row	() Slave Pallet	() Solid Shelf () Non
T	() Mult. Row		() Open Shelf

R K Flue Spacing Clearance:Storage to Ceiling
 A Longitudinal Transverse

G Horizontal Barriers Provided:
 E

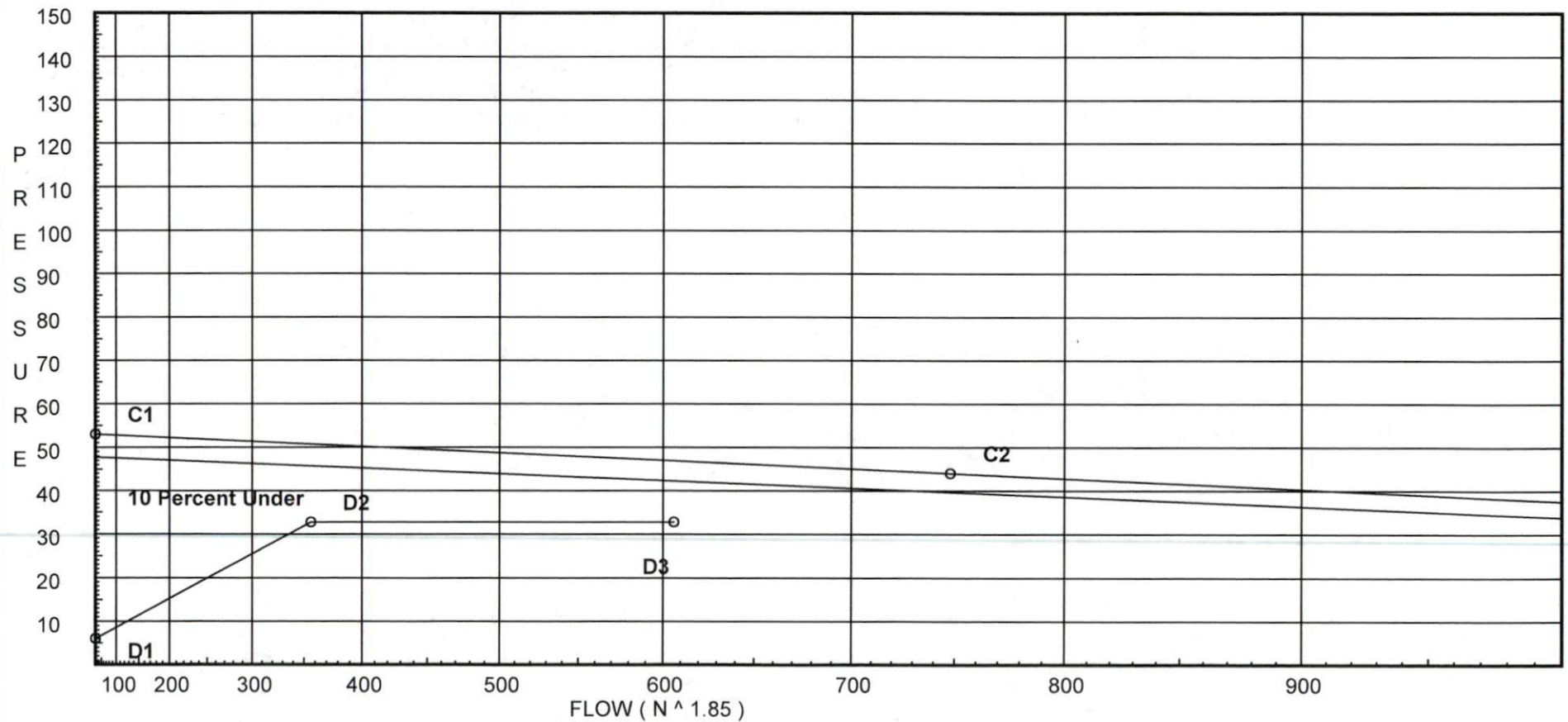
Water Supply Curve

Carolina Fire Protection, Inc.
Carlie C'S Angier

Page 2
Date 4-24-2020

City Water Supply:
C1 - Static Pressure : 53
C2 - Residual Pressure: 44
C2 - Residual Flow : 748

Demand:
D1 - Elevation : 5.991
D2 - System Flow : 356.291
D2 - System Pressure : 32.784
Hose (Demand) : 250
D3 - System Demand : 606.291
Safety Margin : 14.113



Fittings Used Summary

Carolina Fire Protection, Inc.
 Carlie C'S Angier

Page 3
 Date 4-24-2020

Fitting Legend		½	¾	1	1¼	1½	2	2½	3	3½	4	5	6	8	10	12	14	16	18	20	24
Abbrev.	Name																				
E	NFPA 13 90' Standard Elbow	1	2	2	3	4	5	6	7	8	10	12	14	18	22	27	35	40	45	50	61
G	NFPA 13 Gate Valve	0	0	0	0	0	1	1	1	1	2	2	3	4	5	6	7	8	10	11	13
T	NFPA 13 90' Flow thru Tee	3	4	5	6	8	10	12	15	17	20	25	30	35	50	60	71	81	91	101	121

Units Summary

Diameter Units	Inches
Length Units	Feet
Flow Units	US Gallons per Minute
Pressure Units	Pounds per Square Inch

Note: Fitting Legend provides equivalent pipe lengths for fittings types of various diameters. Equivalent lengths shown are standard for actual diameters of Sched 40 pipe and CFactors of 120 except as noted with *. The fittings marked with a * show equivalent lengths values supplied by manufacturers based on specific pipe diameters and CFactors and they require no adjustment. All values for fittings not marked with a * will be adjusted in the calculation for CFactors of other than 120 and diameters other than Sched 40 per NFPA.

SUPPLY ANALYSIS

Node at Source	Static Pressure	Residual Pressure	Flow	Available Pressure	Total Demand	Required Pressure
TEST	53.0	44	748.0	46.898	606.29	32.784

NODE ANALYSIS

Node Tag	Elevation	Node Type	Pressure at Node	Discharge at Node	Notes
1	14.833	8	9.0	24.0	120
2	14.833	8	9.05	24.07	120
3	14.833	8	9.25	24.33	120
4	14.833	8	9.67	24.88	120
6	14.833	8	9.06	24.09	120
7	14.833	8	9.12	24.16	120
8	14.833	8	9.32	24.42	120
9	14.833	8	9.74	24.97	120
11	14.833	8	10.48	25.9	120
12	14.833	8	10.55	25.98	120
13	14.833	8	10.77	26.26	120
M1	12.5	8	12.83		120
5	14.833	8	11.89	27.58	120
M2	12.5	8	12.91		120
10	14.833	8	11.96	27.67	120
M3	12.5	8	13.22		120
14	14.833	8	12.24	27.99	120
M4	12.5		13.79		
M5	12.5		14.25		
M7	11.75		14.68		
M8	11.75		14.71		
M9	11.75		14.78		
M10	11.75		14.94		
M11	11.75		15.17		
F1	17.667		14.18		
F2	17.667		14.17		
F3	17.667		14.13		
F4	17.667		14.13		
F5	17.667		14.22		
F6	17.667		14.26		
F7	17.667		14.27		
F8	17.667		14.27		
F9	17.667		14.26		
F10	17.667		14.23		
F11	17.667		14.29		
F12	17.667		14.31		
M6	17.667		14.08		
M12	17.667		14.22		
N1	17.667		15.28		
N2	17.667		15.28		
N3	17.667		15.29		
N4	17.667		15.32		

Flow Summary - NFPA

Carolina Fire Protection, Inc.
Carlie C'S Angier

Page 5
Date 4-24-2020

NODE ANALYSIS (cont.)

<i>Node Tag</i>	<i>Elevation</i>	<i>Node Type</i>	<i>Pressure at Node</i>	<i>Discharge at Node</i>	<i>Notes</i>
N5	17.667		15.35		
N6	17.667		15.41		
N7	17.667		15.49		
N8	17.667		15.6		
N9	17.667		15.74		
N10	17.667		15.93		
N11	17.667		16.14		
N12	17.667		16.4		
BASR	1.0		26.16	250.0	
TEST	1.0		32.78		

Fjnal Calculations : Hazen-Williams

Carolina Fire Protection, Inc.
 Carlie C'S Angier

Page 6
 Date 4-24-2020

Node1 to Node2	Elev1 Elev2	K Fact	Qa Qt	Nom Act	Fitting or Eqiv	Len	Pipe Ftngs Total	CFact Pf/Ft	Pt Pe Pf	*****	Notes	*****
1 to 2	14.833 14.833	8.00	24.00	2			10.000	120	9.000 0.0			
			24.0	2.157			10.000	0.0054	0.054		Vel = 2.11	
2 to 3	14.833 14.833	8.00	24.07	2			10.000	120	9.054 0.0			
			48.07	2.157			10.000	0.0197	0.197		Vel = 4.22	
3 to 4	14.833 14.833	8.00	24.34	2			10.000	120	9.251 0.0			
			72.41	2.157			10.000	0.0421	0.421		Vel = 6.36	
4 to M1	14.833 12.500	8.00	24.87	2	2T	24.613	5.000 24.613 29.613	120	9.672 1.010 2.149			
			97.28	2.157				0.0726			Vel = 8.54	
M1			0.0 97.28						12.831		K Factor = 27.16	
6 to 7	14.833 14.833	8.00	24.09	2			10.000	120	9.064 0.0			
			24.09	2.157			10.000	0.0055	0.055		Vel = 2.12	
7 to 8	14.833 14.833	8.00	24.15	2			10.000	120	9.119 0.0			
			48.24	2.157			10.000	0.0198	0.198		Vel = 4.24	
8 to 9	14.833 14.833	8.00	24.42	2			10.000	120	9.317 0.0			
			72.66	2.157			10.000	0.0423	0.423		Vel = 6.38	
9 to M2	14.833 12.500	8.00	24.97	2	2T	24.613	5.000 24.613 29.613	120	9.740 1.010 2.163			
			97.63	2.157				0.0730			Vel = 8.57	
M2			0.0 97.63						12.913		K Factor = 27.17	
11 to 12	14.833 14.833	8.00	25.90	2			10.000	120	10.484 0.0			
			25.9	2.157			10.000	0.0062	0.062		Vel = 2.27	
12 to 13	14.833 14.833	8.00	25.98	2			10.000	120	10.546 0.0			
			51.88	2.157			10.000	0.0227	0.227		Vel = 4.56	
13 to M3	14.833 12.500	8.00	26.26	2	2T	24.613	5.000 24.613 29.613	120	10.773 1.010 1.433			
			78.14	2.157				0.0484			Vel = 6.86	
M3			0.0 78.14						13.216		K Factor = 21.49	
M1 to 5	12.500 14.833		13.51	2	2T	24.613	10.333 24.613 34.946	120	12.831 -1.010 0.065			
			13.51	2.157				0.0019			Vel = 1.19	
5 to M7	14.833 11.750	8.00	27.58	2	2T	24.613	74.667 24.613 99.280	120	11.886 1.335 1.463			
			41.09	2.157				0.0147			Vel = 3.61	
M7			0.0 41.09						14.684		K Factor = 10.72	
M2 to 10	12.500 14.833		12.61	2	2T	24.613	10.333 24.613 34.946	120	12.913 -1.010 0.058			
			12.61	2.157				0.0017			Vel = 1.11	

Final Calculations : Hazen-Williams

Carolina Fire Protection, Inc.
 Carlie C'S Angier

Page 7
 Date 4-24-2020

Node1 to Node2	Elev1 Elev2	K Fact	Qa Qt	Nom Act	Fitting or Eqiv Len	Pipe Ftngs Total	CFact Pf/Ft	Pt Pe Pf	*****	Notes	*****
10 to M8	14.833 11.750	8.00	27.67 40.28	2 2.157	2T 24.613	74.667 24.613 99.280	120 0.0142	11.961 1.335 1.410			Vel = 3.54
M8			0.0 40.28					14.706			K Factor = 10.50
M3 to 14	12.500 14.833		9.13 9.13	2 2.157	2T 24.613	10.333 24.613 34.946	120 0.0009	13.216 -1.010 0.032			Vel = 0.80
14 to M9	14.833 11.750	8.00	27.98 37.11	2 2.157	2T 24.613	74.667 24.613 99.280	120 0.0122	12.238 1.335 1.211			Vel = 3.26
M9			0.0 37.11					14.784			K Factor = 9.65
M4 to M10	12.500 11.750		25.70 25.7	2 2.157	4T 49.227	85.000 49.227 134.227	120 0.0062	13.787 0.325 0.829			Vel = 2.26
M10			0.0 25.70					14.941			K Factor = 6.65
M5 to M11	12.500 11.750		21.45 21.45	2 2.157	4T 49.227	85.000 49.227 134.227	120 0.0044	14.249 0.325 0.594			Vel = 1.88
M11			0.0 21.45					15.168			K Factor = 5.51
M1 to M2	12.500 12.500		83.78 83.78	3 3.26		11.250 11.250	120 0.0073	12.831 0.0 0.082			Vel = 3.22
M2 to M3	12.500 12.500		85.02 168.8	3 3.26		11.250 11.250	120 0.0269	12.913 0.0 0.303			Vel = 6.49
M3 to M4	12.500 12.500		69.01 237.81	3 3.26		11.250 11.250	120 0.0508	13.216 0.0 0.571			Vel = 9.14
M4 to M5	12.500 12.500		-25.69 212.12	3 3.26		11.250 11.250	120 0.0411	13.787 0.0 0.462			Vel = 8.15
M5 to M6	12.500 17.667		-21.45 190.67	3 3.26	2E T 18.815 20.159	22.333 38.974 61.307	120 0.0337	14.249 -2.238 2.067			Vel = 7.33
M6			0.0 190.67					14.078			K Factor = 50.82
M7 to M8	11.750 11.750		41.09 41.09	3 3.26		11.250 11.250	120 0.0020	14.684 0.0 0.022			Vel = 1.58
M8 to M9	11.750 11.750		40.28 81.37	3 3.26		11.250 11.250	120 0.0069	14.706 0.0 0.078			Vel = 3.13
M9 to M10	11.750 11.750		37.11 118.48	3 3.26		11.250 11.250	120 0.0140	14.784 0.0 0.157			Vel = 4.55

Final Calculations : Hazen-Williams

Carolina Fire Protection, Inc.
 Carlie C'S Angier

Page 8
 Date 4-24-2020

Node1 to Node2	Elev1 Elev2	K Fact	Qa Qt	Nom Act	Fitting or Eqiv	Len	Pipe Ftngs Total	CFact Pf/Ft	Pt Pe Pf	*****	Notes	*****
M10 to M11	11.750 11.750		25.70 144.18	3 3.26			11.250 11.250	120 0.0202	14.941 0.0 0.227		Vel = 5.54	
M11 to M12	11.750 17.667		21.44 165.62	3 3.26	2E T	18.815 20.159	23.083 38.974 62.057	120 0.0260	15.168 -2.563 1.612		Vel = 6.37	
M12			0.0 165.62						14.217		K Factor = 43.92	
F1 to N1	17.667 17.667		26.47 26.47	2 2.157	2T	24.613	144.000 24.613 168.613	120 0.0065	14.179 0.0 1.101		Vel = 2.32	
N1			0.0 26.47						15.280		K Factor = 6.77	
F2 to N2	17.667 17.667		26.64 26.64	2 2.157	2T	24.613	144.000 24.613 168.613	120 0.0066	14.168 0.0 1.114		Vel = 2.34	
N2			0.0 26.64						15.282		K Factor = 6.81	
F3 to N3	17.667 17.667		27.26 27.26	2 2.157	2T	24.613	144.000 24.613 168.613	120 0.0069	14.130 0.0 1.163		Vel = 2.39	
N3			0.0 27.26						15.293		K Factor = 6.97	
F4 to N4	17.667 17.667		27.53 27.53	2 2.157	2T	24.613	144.000 24.613 168.613	120 0.0070	14.131 0.0 1.184		Vel = 2.42	
N4			0.0 27.53						15.315		K Factor = 7.03	
F5 to N5	17.667 17.667		26.92 26.92	2 2.157	2T	24.613	144.000 24.613 168.613	120 0.0067	14.217 0.0 1.136		Vel = 2.36	
N5			0.0 26.92						15.353		K Factor = 6.87	
F6 to N6	17.667 17.667		27.13 27.13	2 2.157	2T	24.613	144.000 24.613 168.613	120 0.0068	14.259 0.0 1.152		Vel = 2.38	
N6			0.0 27.13						15.411		K Factor = 6.91	
F7 to N7	17.667 17.667		28.00 28.0	2 2.157	2T	24.613	144.000 24.613 168.613	120 0.0072	14.271 0.0 1.221		Vel = 2.46	
N7			0.0 28.00						15.492		K Factor = 7.11	
F8 to N8	17.667 17.667		29.32 29.32	2 2.157	2T	24.613	144.000 24.613 168.613	120 0.0079	14.271 0.0 1.331		Vel = 2.57	
			0.0									

Final Calculations : Hazen-Williams

Carolina Fire Protection, Inc.
 Carlie C'S Angier

Page 9
 Date 4-24-2020

Node1 to Node2	Elev1 Elev2	K Fact	Qa Qt	Nom Act	Fitting or Eqiv	Len	Pipe Ftngs Total	CFact Pf/Ft	Pt Pe Pf	*****	Notes	*****
N8			29.32						15.602		K Factor = 7.42	
F9 to N9	17.667 17.667		31.11	2	2T	24.613	144.000 24.613 168.613	120	14.259 0.0			Vel = 2.73
N9			0.0 31.11						15.744		K Factor = 7.84	
F10 to N10	17.667 17.667		33.41	2	2T	24.613	144.000 24.613 168.613	120	14.232 0.0			Vel = 2.93
N10			0.0 33.41						15.926		K Factor = 8.37	
F11 to N11	17.667 17.667		35.06	2	2T	24.613	144.000 24.613 168.613	120	14.291 0.0			Vel = 3.08
N11			0.0 35.06						16.143		K Factor = 8.73	
F12 to N12	17.667 17.667		37.44	2	2T	24.613	144.000 24.613 168.613	120	14.309 0.0			Vel = 3.29
N12			0.0 37.44						16.400		K Factor = 9.25	
F1 to F2	17.667 17.667		-26.47	3			12.000	120	14.179 0.0			Vel = 1.02
F2 to F3	17.667 17.667		-26.47	3.26			12.000	-0.0009	-0.011			
F2 to F3	17.667 17.667		-26.64	3			12.000	120	14.168 0.0			Vel = 2.04
F3 to M6	17.667 17.667		-53.11	3.26			12.000	-0.0032	-0.038			
F3 to M6	17.667 17.667		-27.26	3			7.667	120	14.130 0.0			Vel = 3.09
M6 to F4	17.667 17.667		-80.37	3.26			7.667	-0.0068	-0.052			
M6 to F4	17.667 17.667		190.67	3			4.333	120	14.078 0.0			Vel = 4.24
F4 to F5	17.667 17.667		110.3	3.26			4.333	0.0122	0.053			
F4 to F5	17.667 17.667		-27.53	3			12.000	120	14.131 0.0			Vel = 3.18
F5 to F6	17.667 17.667		82.77	3.26			12.000	0.0072	0.086			
F5 to F6	17.667 17.667		-26.92	3			12.000	120	14.217 0.0			Vel = 2.15
F6 to F7	17.667 17.667		55.85	3.26			12.000	0.0035	0.042			
F6 to F7	17.667 17.667		-27.13	3			12.000	120	14.259 0.0			Vel = 1.10
F7 to F8	17.667 17.667		28.72	3.26			12.000	0.0010	0.012			
F7 to F8	17.667 17.667		-28.00	3			12.000	120	14.271 0.0			Vel = 0.03
F8 to F9	17.667 17.667		0.72	3.26			12.000	0	0.0			
F8 to F9	17.667 17.667		-29.32	3			12.000	120	14.271 0.0			Vel = 1.10
F8 to F9	17.667 17.667		-28.6	3.26			12.000	-0.0010	-0.012			

Final Calculations : Hazen-Williams

Carolina Fire Protection, Inc.
 Carlie C'S Angier

Page 10
 Date 4-24-2020

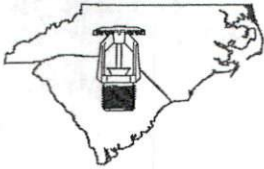
Node1 to Node2	Elev1 Elev2	K Fact	Qa Qt	Nom Act	Fitting or Eqiv	Len	Pipe Ftngs Total	CFact Pf/Ft	Pt Pe Pf	*****	Notes	*****
F9 to M12	17.667 17.667		-31.11 -59.71	3 3.26			10.667 10.667	120 -0.0039	14.259 0.0 -0.042		Vel = 2.30	
M12 to F10	17.667 17.667		165.62 105.91	3 3.26			1.333 1.333	120 0.0113	14.217 0.0 0.015		Vel = 4.07	
F10 to F11	17.667 17.667		-33.41 72.5	3 3.26			10.333 10.333	120 0.0057	14.232 0.0 0.059		Vel = 2.79	
F11 to F12	17.667 17.667		-35.06 37.44	3 3.26			10.833 10.833	120 0.0017	14.291 0.0 0.018		Vel = 1.44	
F12			0.0 37.44						14.309		K Factor = 9.90	
N1 to N2	17.667 17.667		26.47 26.47	4 4.26			12.000 12.000	120 0.0002	15.280 0.0 0.002		Vel = 0.60	
N2 to N3	17.667 17.667		26.64 53.11	4 4.26			12.000 12.000	120 0.0009	15.282 0.0 0.011		Vel = 1.20	
N3 to N4	17.667 17.667		27.26 80.37	4 4.26			12.000 12.000	120 0.0018	15.293 0.0 0.022		Vel = 1.81	
N4 to N5	17.667 17.667		27.53 107.9	4 4.26			12.000 12.000	120 0.0032	15.315 0.0 0.038		Vel = 2.43	
N5 to N6	17.667 17.667		26.92 134.82	4 4.26			12.000 12.000	120 0.0048	15.353 0.0 0.058		Vel = 3.03	
N6 to N7	17.667 17.667		27.13 161.95	4 4.26			12.000 12.000	120 0.0068	15.411 0.0 0.081		Vel = 3.65	
N7 to N8	17.667 17.667		27.99 189.94	4 4.26			12.000 12.000	120 0.0092	15.492 0.0 0.110		Vel = 4.28	
N8 to N9	17.667 17.667		29.32 219.26	4 4.26			12.000 12.000	120 0.0118	15.602 0.0 0.142		Vel = 4.94	
N9 to N10	17.667 17.667		31.12 250.38	4 4.26			12.000 12.000	120 0.0152	15.744 0.0 0.182		Vel = 5.64	
N10 to N11	17.667 17.667		33.41 283.79	4 4.26			11.333 11.333	120 0.0191	15.926 0.0 0.217		Vel = 6.39	
N11 to N12	17.667 17.667		35.06 318.85	4 4.26			10.833 10.833	120 0.0237	16.143 0.0 0.257		Vel = 7.18	
N12 to BASR	17.667 1		37.44 356.29	4 4.26	3E	39.501	47.667 39.501 87.168	120 0.0291	16.400 7.218 2.539		Vel = 8.02	

Final Calculations : Hazen-Williams

Carolina Fire Protection, Inc.
 Carlie C'S Angier

Page 11
 Date 4-24-2020

Node1 to Node2	Elev1 Elev2	K Fact	Qa Qt	Nom Act	Fitting or Eqiv	Len	Pipe Ftngs Total	CFact Pf/Ft	Pt Pe Pf	*****	Notes	*****
BASR to TEST	1 1	H250	250.00	6	2E T	40.168	80.000	140	26.157			
			606.29	6.16	G	4.304	167.509	0.0097	5.000		** Fixed Loss = 5	
			0.0						1.627		Vel = 6.53	
TEST			606.29						32.784		K Factor = 105.89	



Carolina Fire Protection, Inc.

P.O. Box 250
Dunn, NC 28335

Phone: (910) 892-1700
Fax: (910) 892-7322

Fire Flow Analysis Fire Sprinkler and / or Standpipe Design

SERVICE LOCATION

Address 333 N. RALEIGH ST. ANGLIER, NC
Proposed Tap Location EXISTING
Requested Flow Location 333 N. RALEIGH ST.

TESTING AGENT

Firm Name CAROLINA FIRE PROTECTION, INC
Address P.O. BOX 250 DUNN, NC 28335
Phone 910-892-1700 Fax 910-892-7322

RESULTS

Static Pressure 53 psi Flowing Pressure 20 LHM (2" PL. GAVAGE)
Residual Pressure 44 psi Volume 748 gpm
Comments _____

Completed By: K. WILDER Date: 12-14-18

Time of Test: 10:03 AM

FIRE FLOW LOCATION SKETCH:

