

1250 GPM

HANDOUT #17

PRE-INCIDENT SURVEY 2/25/12Building Name: Rivercreek Subdivision Office Survey #: 84Street Address: 5778 Rivercreek DriveCity, State, Zip: Washington, N.C. 27889Primary Use: Office / home management Construction Type: OrdinaryPossible Entry: Door on Side DPossible Occupancy: A.M. 8 P.M. 5

Known Handicapped Personnel: _____

NOTIFY IN CASE OF EMERGENCYName: Doris Patterson Name: _____Phone: 814-6311 Phone: _____**BUILDING CONSTRUCTION**Roof Type: A-frame / flat Floor Construction: concreteRoof Construction: metalBasement Construction Type: N/A Height of Basement: _____Number of Stories: 1 Height of Each Story: _____Length: 50' Width: 40' Height: 14'Attic Area: N/A Size: L _____ X W _____ X H _____**UTILITY TYPES**Gas: 100 lb. bottled cylinder Type: _____

Gas Shut Off Valve Location: _____

Electric: _____ Phase: _____

Panel Location: 38' from structure of side A

Alarm Location: _____

EXPOSURES

North: _____ FT. West: _____ FT. South: _____ FT. East: _____

Type: _____ Type: _____ Type: _____ Type: _____

see plot plan for exposures

SUPPRESSION CRITERIA

Needed Fire Flow: _____ Total Water Supply: _____

Fuel Load: _____ Rate of Flow: _____

HYDRANT LOCATIONS(1) Rivercreek Drive / Clarks Neck Rd. Flow: _____ Unit: _____

(2) _____ Flow: _____ Unit: _____

(3) _____ Flow: _____ Unit: _____

(4) _____ Flow: _____ Unit: _____

OTHER WATER RESOURCES

(1) _____

(2) _____

(3) _____

SPECIAL RESOURCES

(1) _____

(2) _____

(3) _____

MUTUAL AID

(1) _____ Assignment: _____

(2) _____ Assignment: _____

(3) _____ Assignment: _____

STAGING AREA

Primary: _____

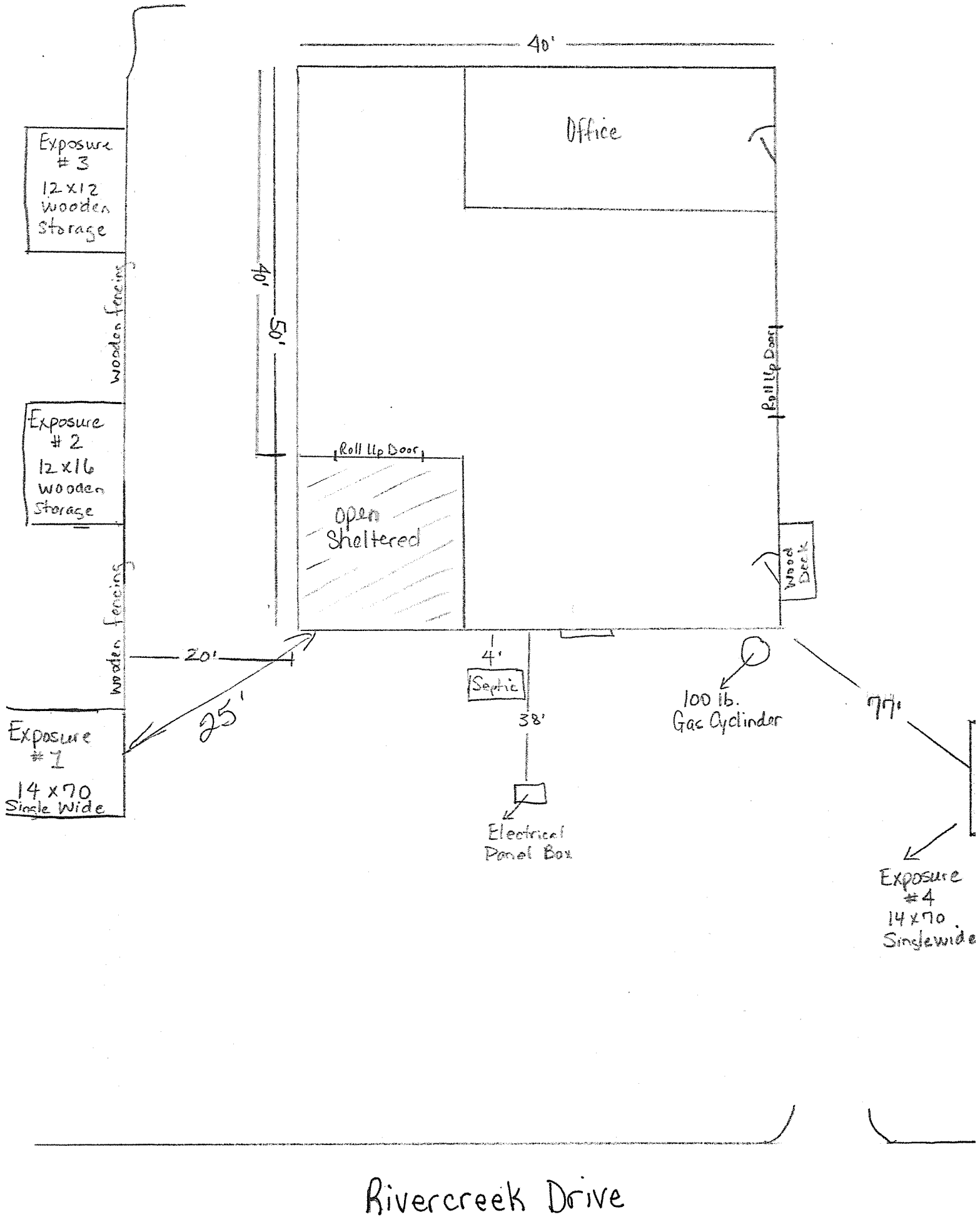
Secondary: _____

MISCELLANEOUS INFORMATION

Sprinkler Connection: _____

Standpipe Connection: _____

Rivercreek Subdivision Office





Google earth

feet
meters



Structure Name Rivercreek Subdivision Office
 Structure Address 5778 Rivercreek Drive

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
50	40	2000	44.72	804.98	1	804.98	1	804.98

Exposure % add	Exposure add GPM	Exposure per side (75% max) Total Side A	Exposure per side 75% max Side B	Exposure per side 75% max Side C	Exposure per side 75% max Side D	Total GPM with exposures
25%	201.25		153	0	72	1335.98
19%	152.95		153			
14%	112.70		153			
9%	72.45					
75%	603.74	Total A,B,C,D				
	MAX	531	Column J, K, L and M			

Column F
Fire Resistive 0.6
Non-combustible 0.8
Ordinary 1
Wood Frame 1.5

Column H
.75 if Mostly non-combustible contents
.85 if Limited combustibles (apartments, churches, schools, hospitals)
1.0 if Mostly combustible (restraunts, sheds, garages)
1.15 if Free burning contents (post offices, horse stables, feed mills, repair garages, ag storage)
1.25 if Rapid burning (aircraft hangers, tires, flammable liquids, wood working)

Column J, K, L and M
If up to 10 feet add 25% per side
If 11 to 30 feet add 19% per side
If 31 to 60 feet add 14% per side
If 61 to 100 feet add 9% per side

Round off to nearest 250 GPM for flows less than 2500 GPM, the nearest 500 GPM over 2500 GPM

Total GPM with exposures	Add 50% for each floor above ground floor	# of floors	Total to add for floors above	Sub-total with floors added	If wood shingles on roof add 500 GPM
1250.00	625	0	0.00	1250.00	0
					1250.00

FIRE FLOW NEEDED
GPM
1250.00