

Office - 1000 GPM Bldg 1
Storage Bldg 2 - 1500 GPM

Shop 3 3330 GPM
Bldg 3

HANDOUT #17

PRE-INCIDENT SURVEY

Building Name: Shutters Direct Survey #: 96

Street Address: 2034 W. 54th St.

City, State, Zip: Washington

Primary Use: _____ Construction Type: Office Ordinary, wood frame Shop & storage

Possible Entry: Creighton St. to Rear, Driveway 204 Front.

Possible Occupancy: A.M. 8 P.M. 5 3 people

Known Handicapped Personnel: _____

NOTIFY IN CASE OF EMERGENCY

Name: Gary Selleck Name: Betty Selleck

Phone: 948-0021 / 714-2500 Phone: 341-3414

BUILDING CONSTRUCTION

Roof Type: _____ Floor Construction: _____

Roof Construction: _____

Basement Construction Type: _____ Height of Basement: _____

Number of Stories: 1 & 2 Height of Each Story: _____

Length: _____ Width: _____ Height: _____

Attic Area: _____ Size: L _____ X W _____ X H _____

UTILITY TYPES

Gas: Piedmont Natural Type: Natural Gas

Gas Shut Off Valve Location: Office @ NW corner, Shop @ SW corner.

Electric: Washington Utilities Phase: 1

Panel Location: Office SE corner on east wall, Shop SE area on E wall

Alarm Location: _____

EXPOSURES

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

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

SUPPRESSION CRITERIANeeded Fire Flow: 3330 Total Water Supply: _____Fuel Load: Heavy Rate of Flow: _____**HYDRANT LOCATIONS**(1) See Map: 900' closest Flow: 1200 Unit: _____

(2) _____ Flow: _____ Unit: _____

(3) _____ Flow: _____ Unit: _____

(4) _____ Flow: _____ Unit: _____

OTHER WATER RESOURCES(1) Old Ford tanker 2500 gal.(2) Pactolus, Grimestad, Chocomaity, Binyan

(3) _____

SPECIAL RESOURCES(1) Aerial from City of Washington

(2) _____

(3) _____

MUTUAL AID(1) Old Ford. Assignment: tag hydrant & lay 5"

(2) _____ Assignment: _____

(3) _____ Assignment: _____

STAGING AREAPrimary: Washington Church of God ParkingSecondary: Cherry Lane Rd**MISCELLANEOUS INFORMATION**Sprinkler Connection: N/A

Standpipe Connection: _____

GAS pack for House Natural. S/o Write on NE corner

No Heat in Storage

Shop - Natural Gas - Spacetheater
S/o on SW corner of S wall

Wash Utilities - Power

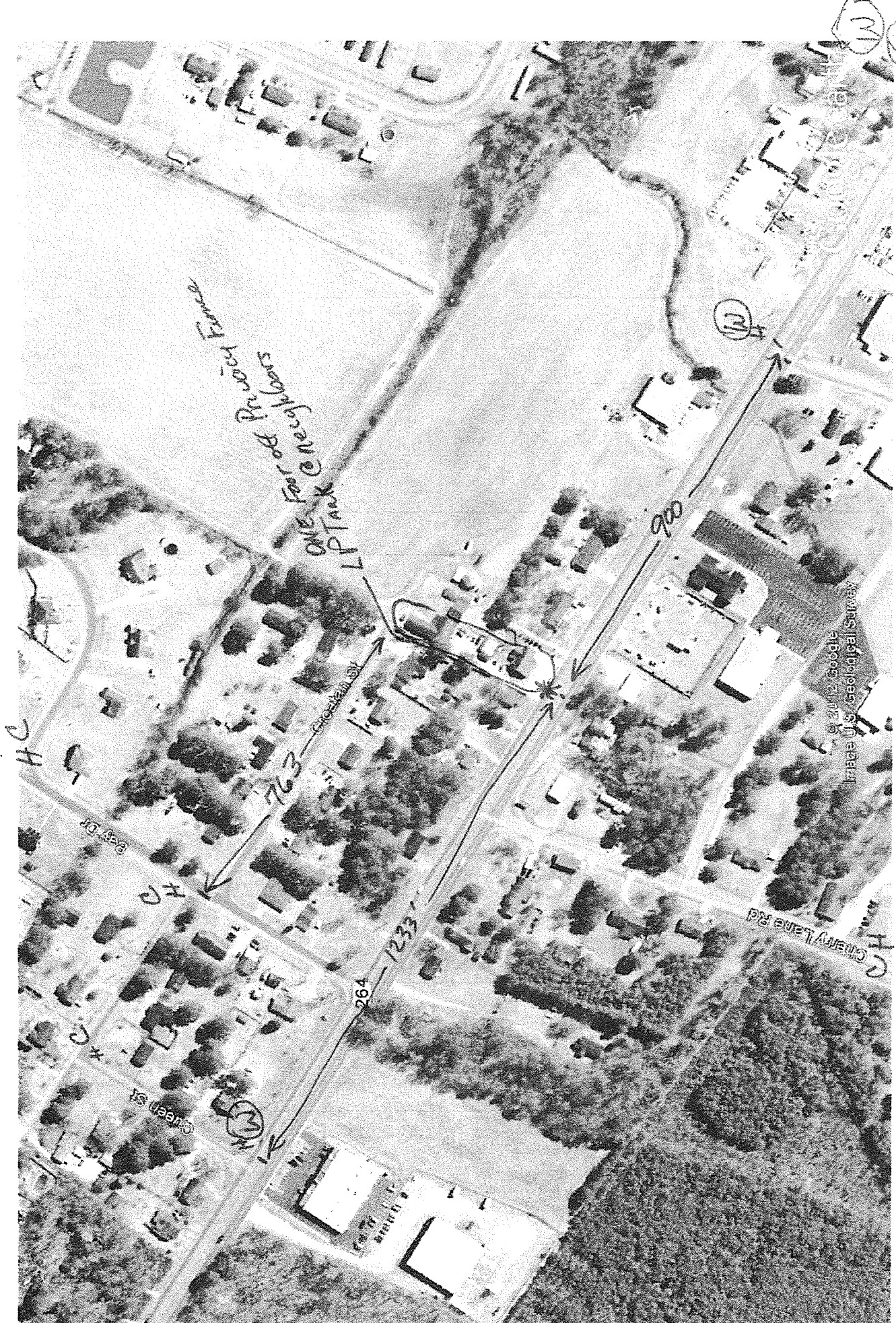
Power " (EAST) (SE corner)
House "D" wall @ A'D
light only in Storage

Box on far right wall in Shop.
on SE Area - East wall.

House - ordering w/ Buick / roof shingle

Storage - Metal Roof - Wood frame

Shop Wood frame - Shingle roof.



Google earth

feet 1000 500

meters

H = Hydrants

* Shutters Direct

2034 1.3 5th St.

Structure Name Shutters Direct
 Structure Address 2034 W. 5th St.

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
95	36.82	3497.9	59.14	1064.57	1.5	1596.86	1.25	1996.06

Exposure % add	Exposure add GPM	Exposure per side (75% max) 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%	499.02	180	279	0	279	3233.08
19%	379.25	0			499	
14%	279.45					
9%	179.65					
75%	1497.06	Total A,B,C,D				
	MAX	1237				

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

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 (restaurants, 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)

Total GPM with exposures	Add 50% for each floor above ground floor	# of floors above	Total to add for floors above	Sub-total with floors added	If wood shingles on roof add 500 GPM
3000.00	1500	0	330.00	3330.00	0
					3330.00

FIRE FLOW NEEDED
 GPM
3330.00

Structure Name ShuttersDirect - Bldg 2 - Storage Bldg.

Structure Address 2034 W 5th St.

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
32	32	1024	32.00	576.00	1.5	864.00	1.15	993.60

1449.60 - 1538.60

Exposure % add	Exposure add GPM	Exposure per side (75% max) 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%	248.40	89	89	0	139	1449.60
19%	188.78	139		89		
14%	139.10					
9%	89.42					
75%	745.20	Total A, B, C, D				
	MAX	456				

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

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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 (restaurants, 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)

Total GPM with exposures	Add 50% for each floor above ground floor	# of floors above	Total to add for floors above	Sub-total with floors added	If wood shingles on roof add 500 GPM
1500.00	750	0	0.00	1500.00	0 1500.00

FIRE FLOW NEEDED
GPM
1500.00

Structure Name Shutters Direct - Bldg 1 - Office
 Structure Address 2034 W. 5th St.

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
60	42	2520	50.20	903.59	1	903.59	0.85	768.05

Exposure % add	Exposure add GPM	Exposure per side (75% max) 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%	192.01		146	108	69	1091.05
19%	145.93					
14%	107.53					
9%	69.12					
75%	576.04	Total A, B, C, D				
	MAX	323				

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

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

Column H
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Total GPM with exposures	Add 50% for each floor above ground floor	# of floors above	Total to add for floors above	Sub-total with floors added	If wood shingles on roof add 500 GPM
1000.00	500	0	0.00	1000.00	0
					1000.00

FIRE FLOW NEEDED
 GPM
1000.00