Office 750 GPM Shop - 1000 GPM Storage Garage 125
HANDOUT #17

PRE-INCIDENT SURVEY 2/20/12.

Building Name: ABHW Concrete Survey #: 51

Street Address: 347 S Wharton Station Rd.

City, State, Zip:

Primary Use: Concrete Mixing Co. Construction Type: Wood Frame.

Possible Entry:

Possible Occupancy: A.M. 3 P.M. 3

Known Handicapped Personnel:

Stephanie Allcjood 963-1749

NOTIFY IN CASE OF EMERGENCY

Name: Amanda Williams Name: Denise Hudnell Little Manfred Allcjood

Phone: 945-1245 Phone: 944-4900 943-5245

974-2815 946-2568

BUILDING CONSTRUCTION

Roof Type: Wood Frame Floor Construction: Concrete 1st Floor Wood 2nd Floor.

Roof Construction: Wood w/Metal

Basement Construction Type: — Height of Basement: —

Number of Stories: 2 Height of Each Story: 10

Length: 24 Width: 24 Height: 24

Attic Area: — Size: L____ X W____ X H____

UTILITY TYPES

Gas: Tidewater Type: ~~Fidalgo~~ LP.

Gas Shut Off Valve Location: @ tank

Electric: Washington Utilities Phase: 1

Panel Location: ground floor west wall

Alarm Location:

EXPOSURES

North: ____FT. West: ____FT. South: ____FT. East: ____

Type: Type: Type: Type:

Manfred Allcjood 945 1730 Kathy Allcjood 946-5899 945-4925

SUPPRESSION CRITERIA

Needed Fire Flow: _____ Total Water Supply: _____

Fuel Load: _____ Rate of Flow: _____

HYRANT LOCATIONS

(1) _____ 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

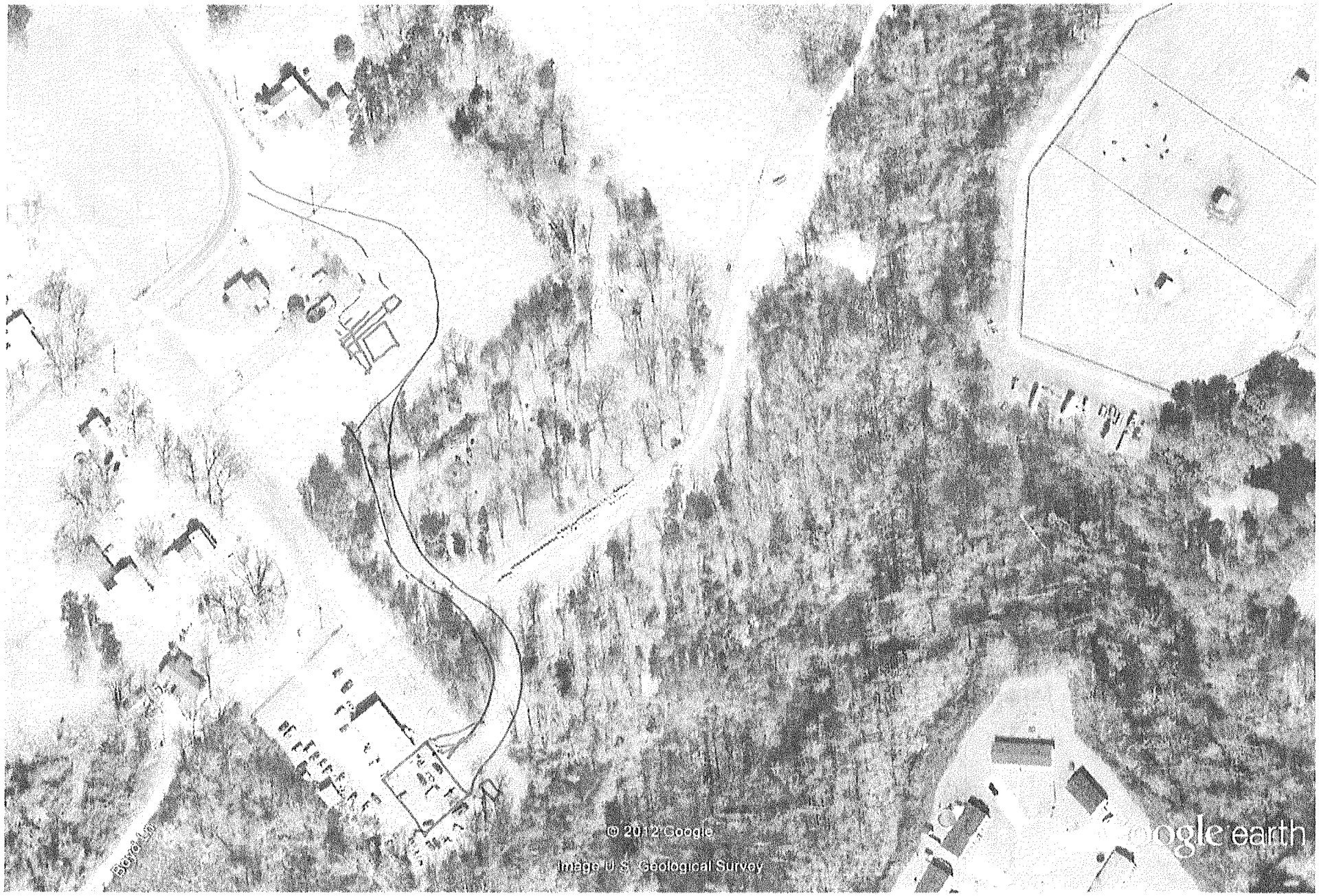
Primary: _____

Secondary: _____

MISCELLANEOUS INFORMATION

Sprinkler Connection: _____

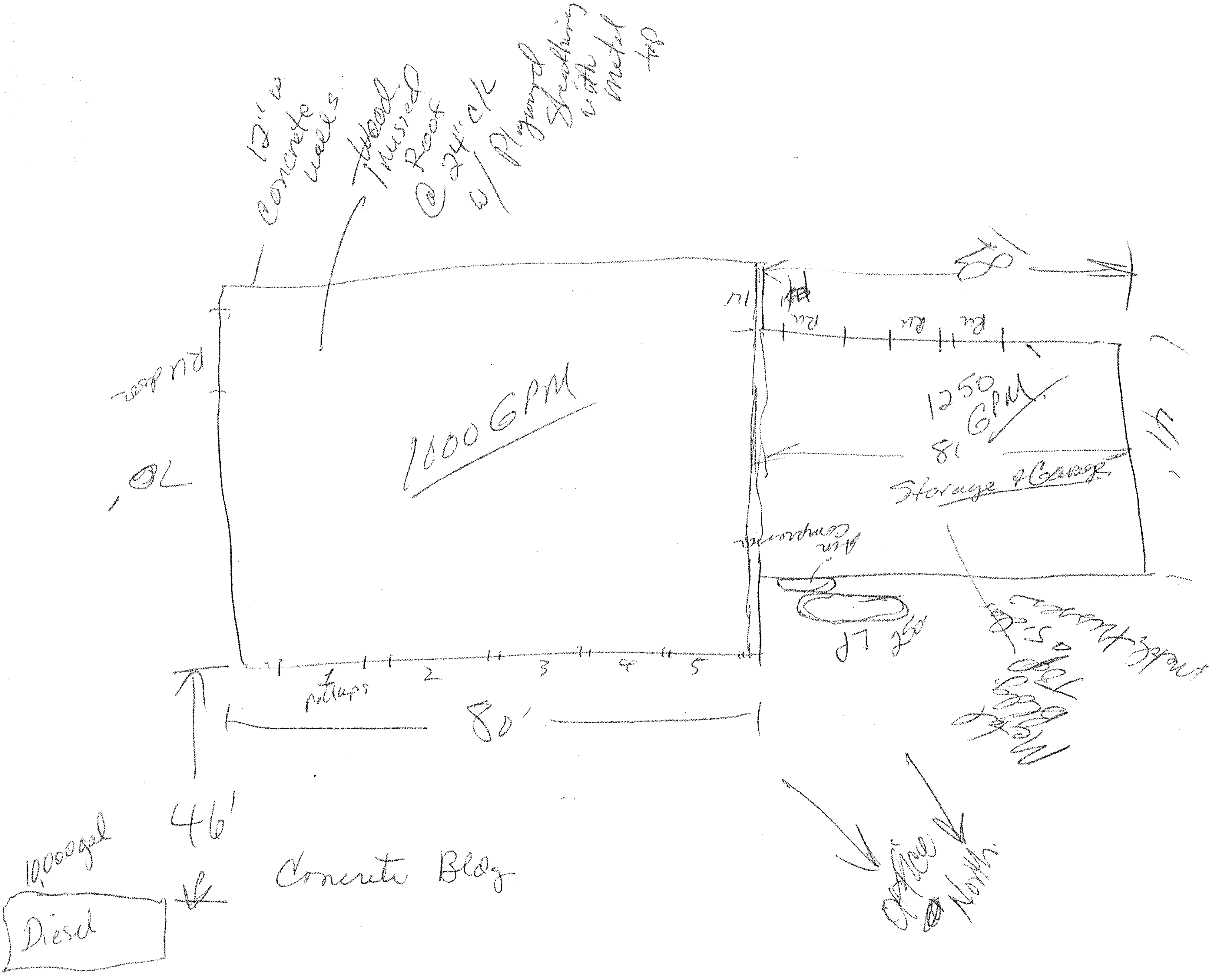
Standpipe Connection: _____



Google earth

feet 1000
meters 300

ABHW
347 S. Wheaton Station Rd.


12" w Concrete walls.
Wood Trussed Roof @ 24" c/c w/ Plywood Sheathing with metal top
1000 GPM
70'
80'
46'
Concrete Bldg
10,000 gal
Diesel
1250 GPM
81'
Storage & Garage
Air compressor
LP 250
Office @ North

Structure Name ABHW – Garage & Storage

Structure Address 347 S Wheaton Station Rd

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
81	41	3321	57.63	1037.31	0.8	829.84	1.15	954.32

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%	238.58	0	239	0	0	1193.32
19%	181.32				0	
14%	133.61					
9%	85.89					
75%	715.74	Total A,B,C,D				
	MAX	239				

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

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

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)

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	
	625		0	0.00			
1250.00					1250.00	0	1250.00

FIRE FLOW NEEDED GPM

1250.00

Structure Name ABHW - Shop.

Structure Address 347 S Wharton Station Rd.

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
80	70	5600	74.83	1347.00	0.8	1077.60	0.75	808.20

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%	202.05	0	0	0	202	1010.20
19%	153.56				0	
14%	113.15					
9%	72.74					
75%	605.15	Total A,B,C,D				
	MAX	202				

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

Column F
Fire Resistive 0.6
Non-combustible 0.8
Ordinary 1
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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	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

Structure Name ABHW Concrete - Office

Structure Address 347 S Wharton Station Rd.

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
24	24	576	24.00	432.00	1.5	648.00	0.85	550.80

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%	137.70	0	0	0	0	550.80
19%	104.65				0	
14%	77.11					
9%	49.57					
75%	413.10	Total A,B,C,D				
	MAX	0				

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

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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	
	250		1	250.00			
500.00					750.00	0	750.00

FIRE FLOW NEEDED GPM

750.00