Sioux Falls Fire Rescue

2015

Standards of Response Coverage Manual

Appendix NorthEast

2015 Hazard/Risk Analysis by Planning Zones 10A

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 5% of this quadrant lies in the flood plain		

NE10A

Fire

Rescue

HazMat

EMS

SUB Substation

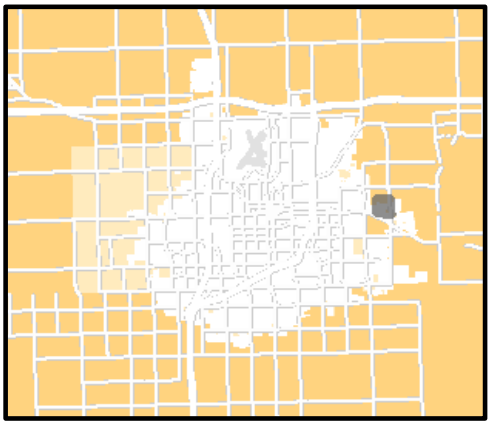
Transmission Line

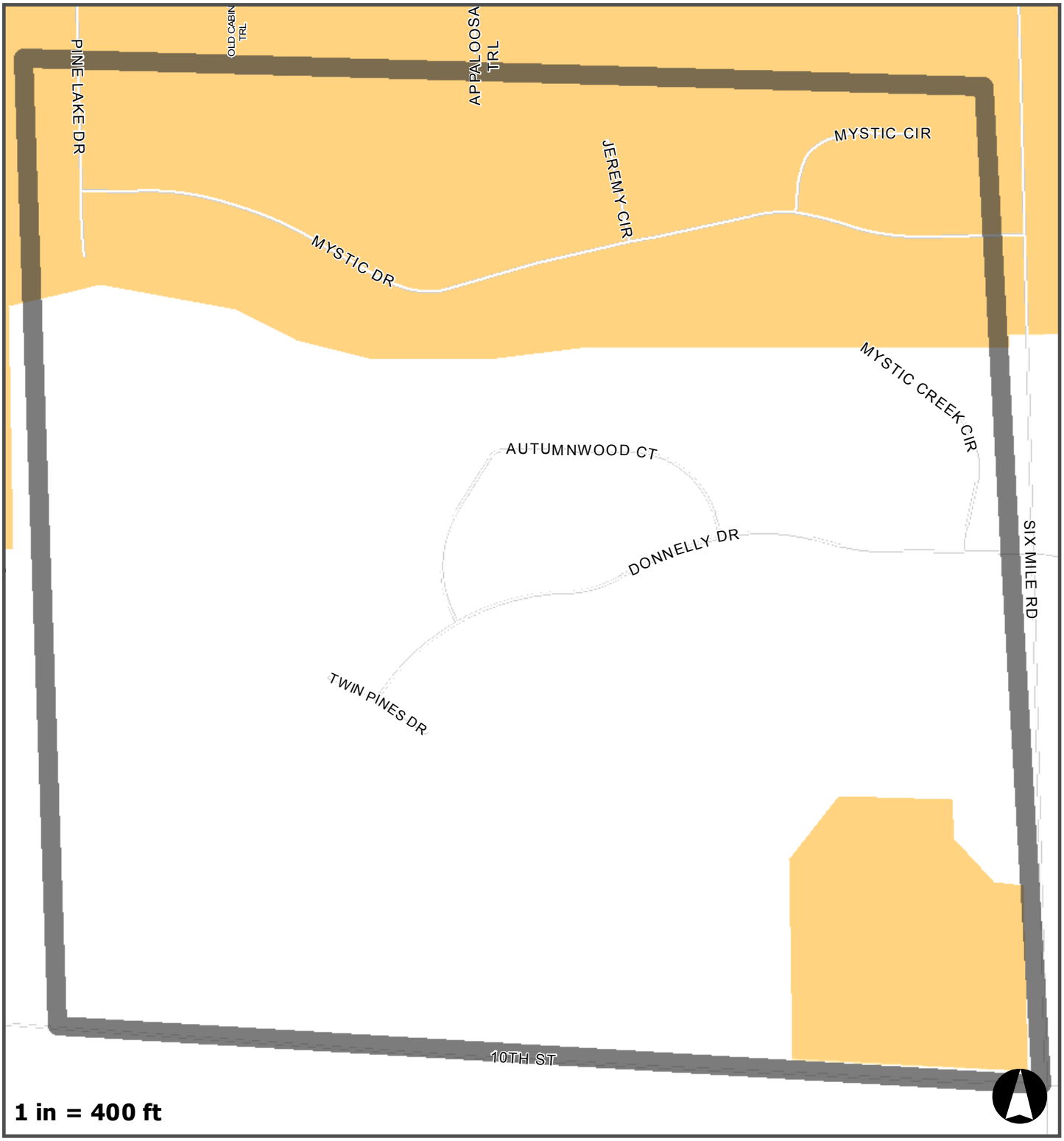
Major Gas Line

Floodplain

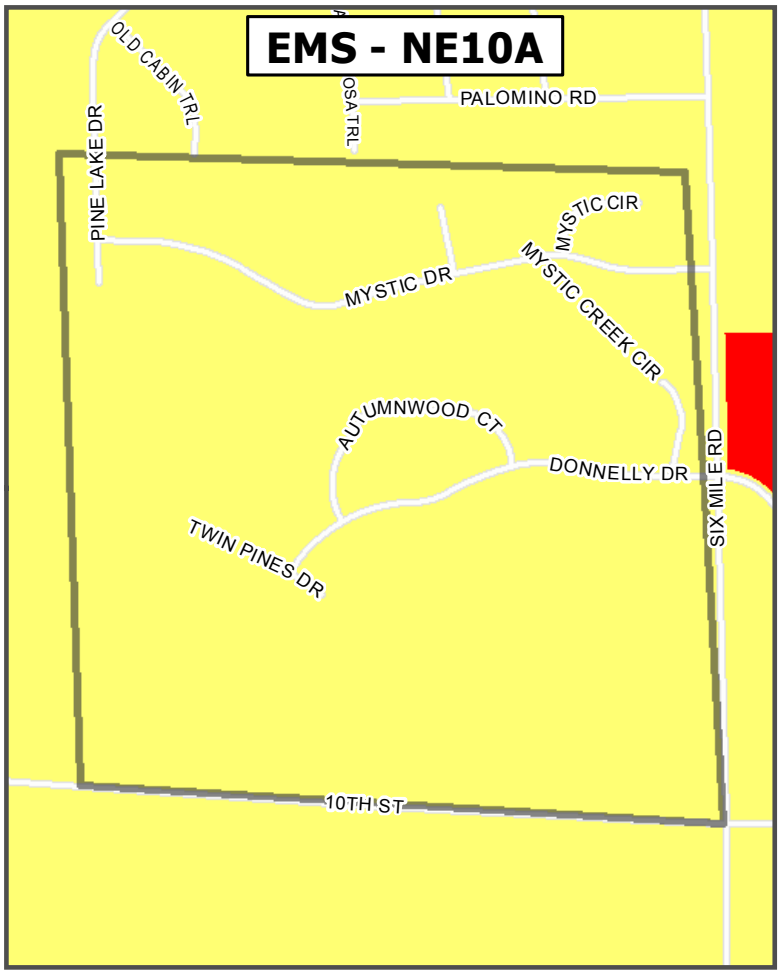
0.2 percent Annual Chance

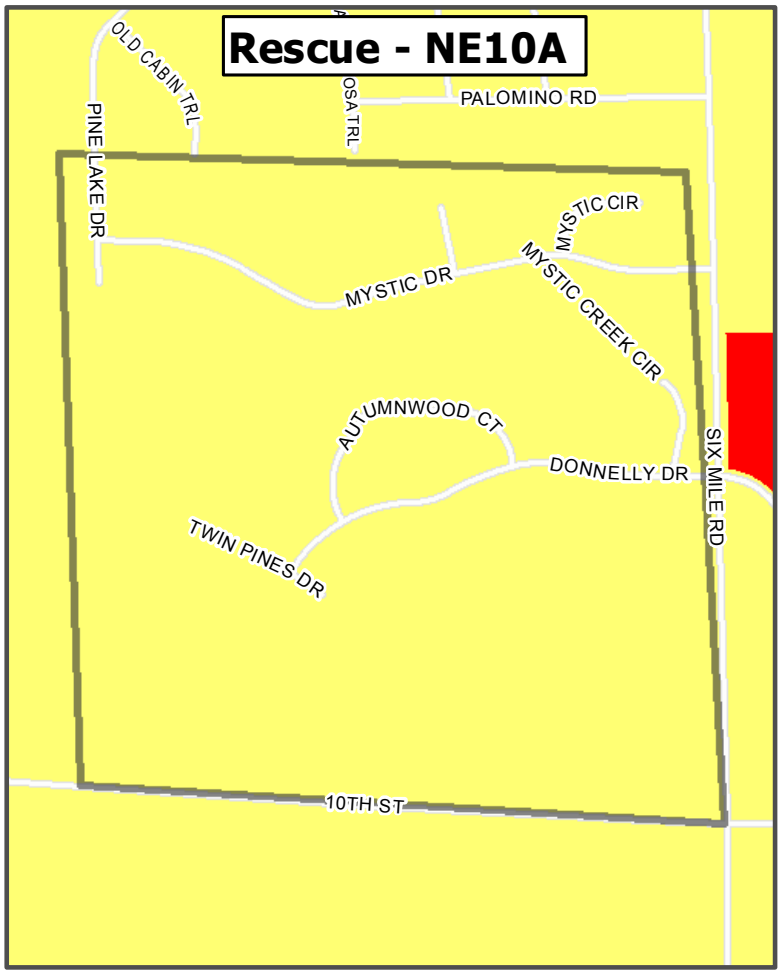
1 percent Annual Chance

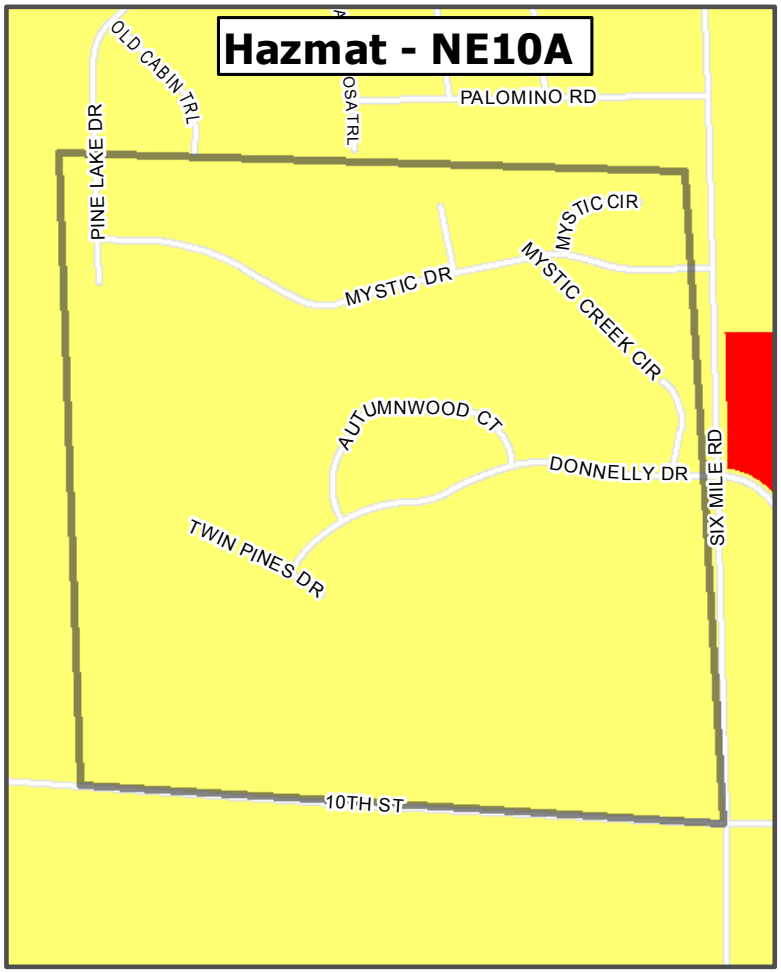


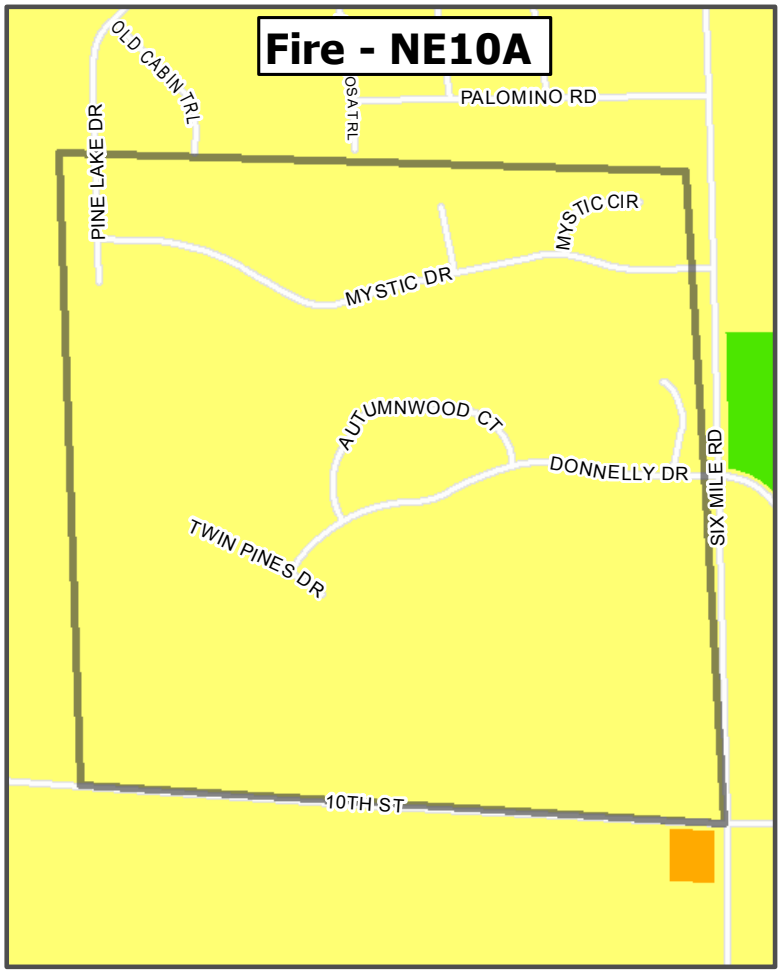


1 in = 400 ft









Low | Moderate | High | Special

1 inch = 833 feet

2015 Hazard/Risk Analysis by Planning Zones 11A

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	2
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy

NE11A

Fire

Rescue

HazMat

EMS

SUB Substation

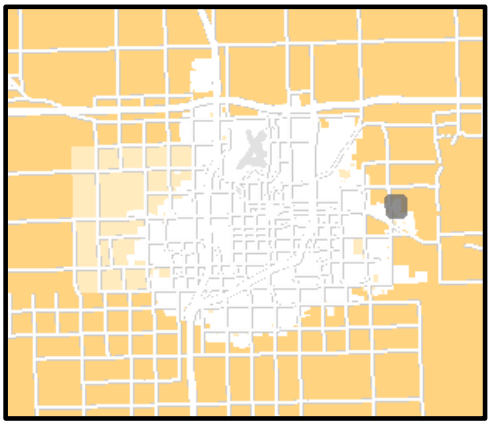
Transmission Line

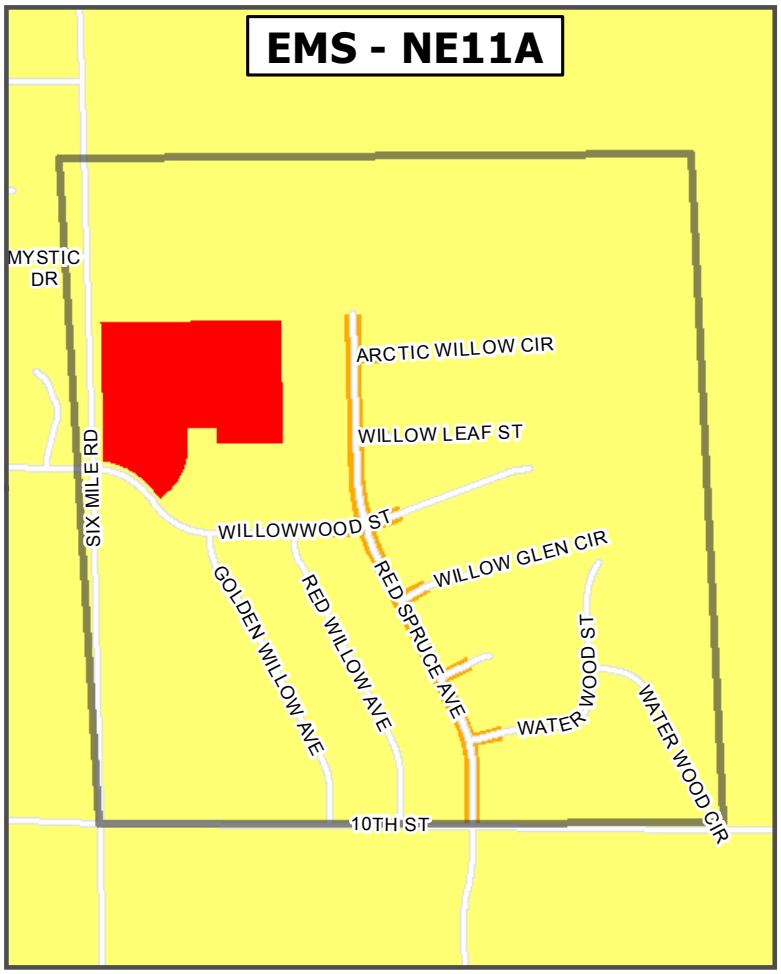
Major Gas Line

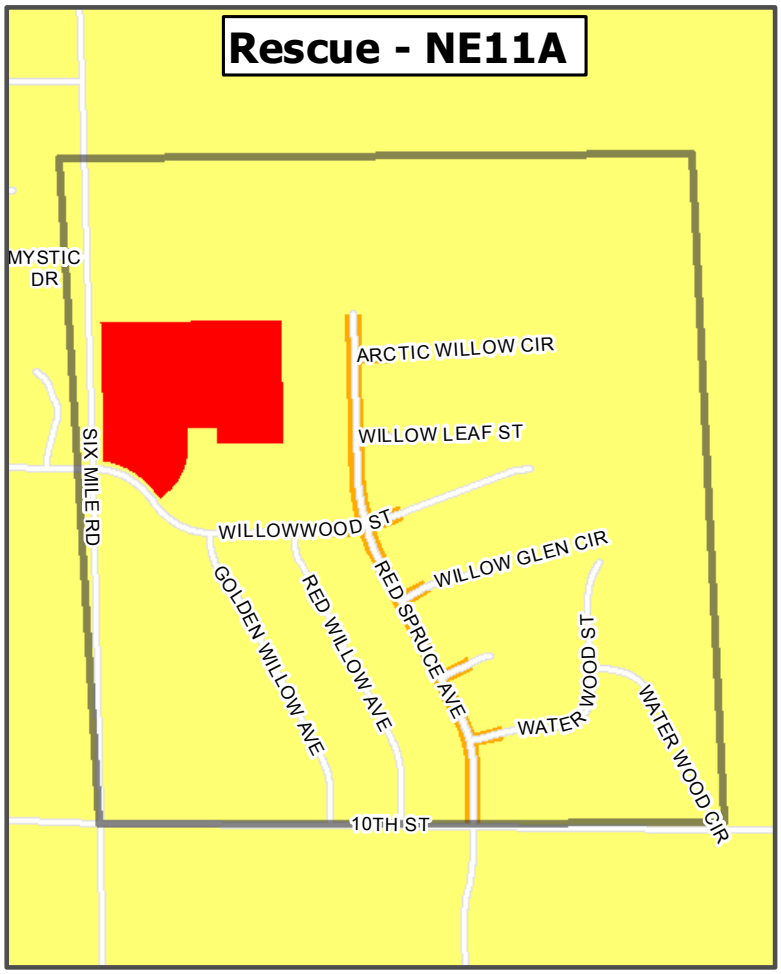
Floodplain

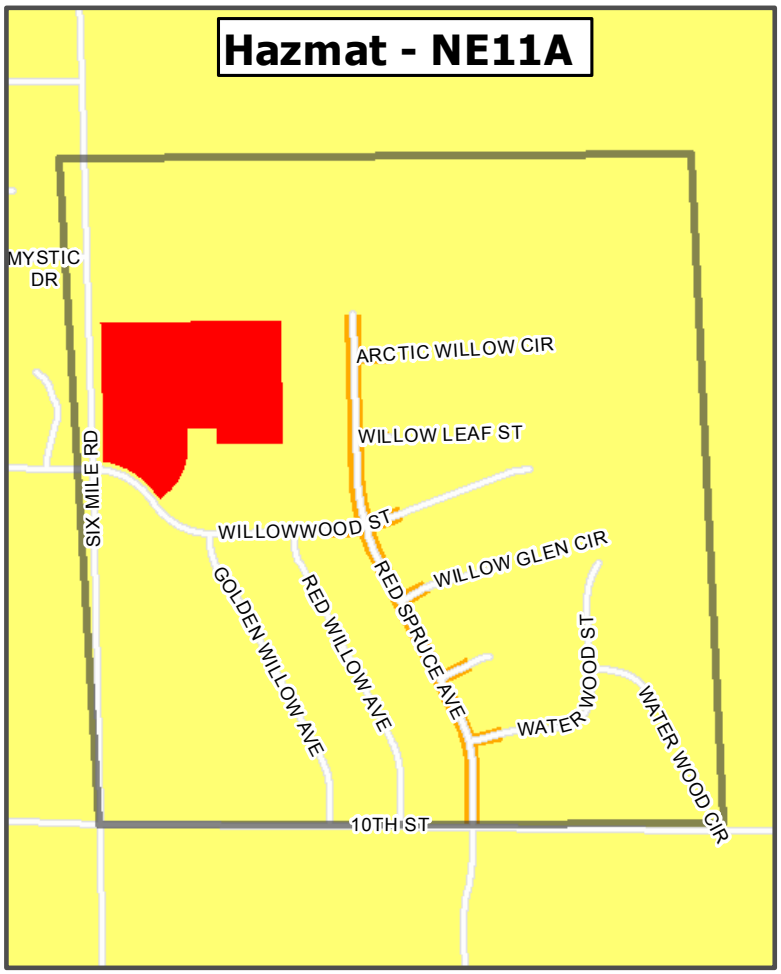
0.2 percent Annual Chance

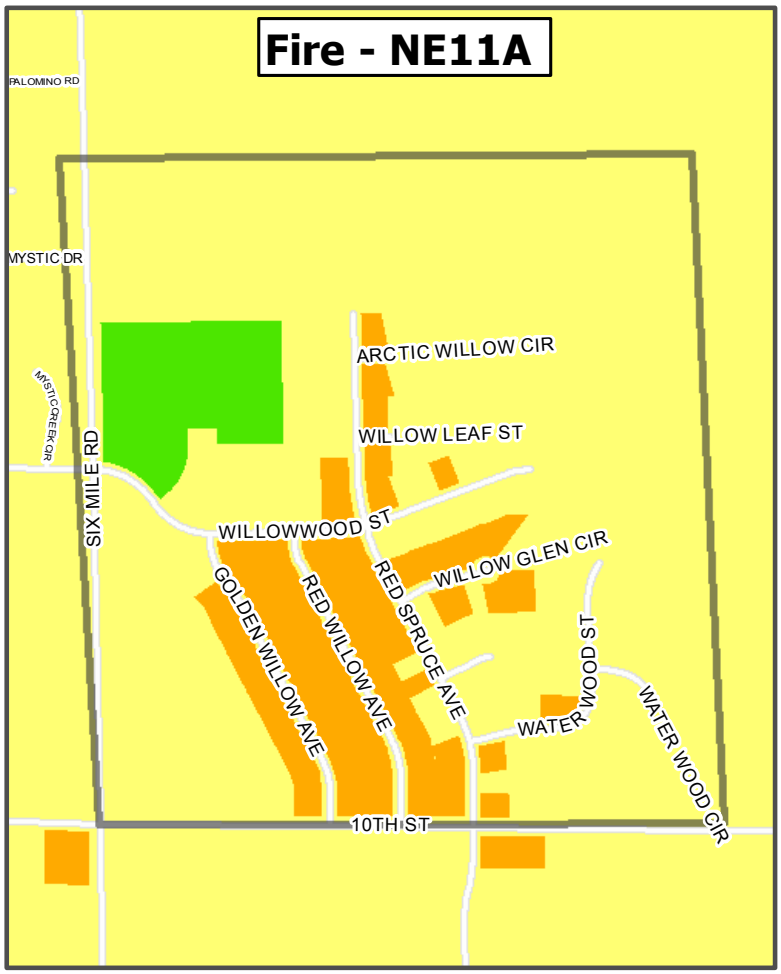
1 percent Annual Chance











Low | Moderate | High | Special

1 inch = 816 feet

2015 Hazard/Risk Analysis by Planning Zones 11B

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy

NE11B

Fire

Rescue

HazMat

EMS

SUB Substation

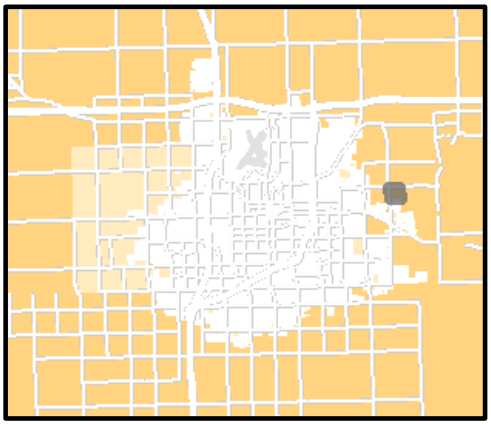
Transmission Line

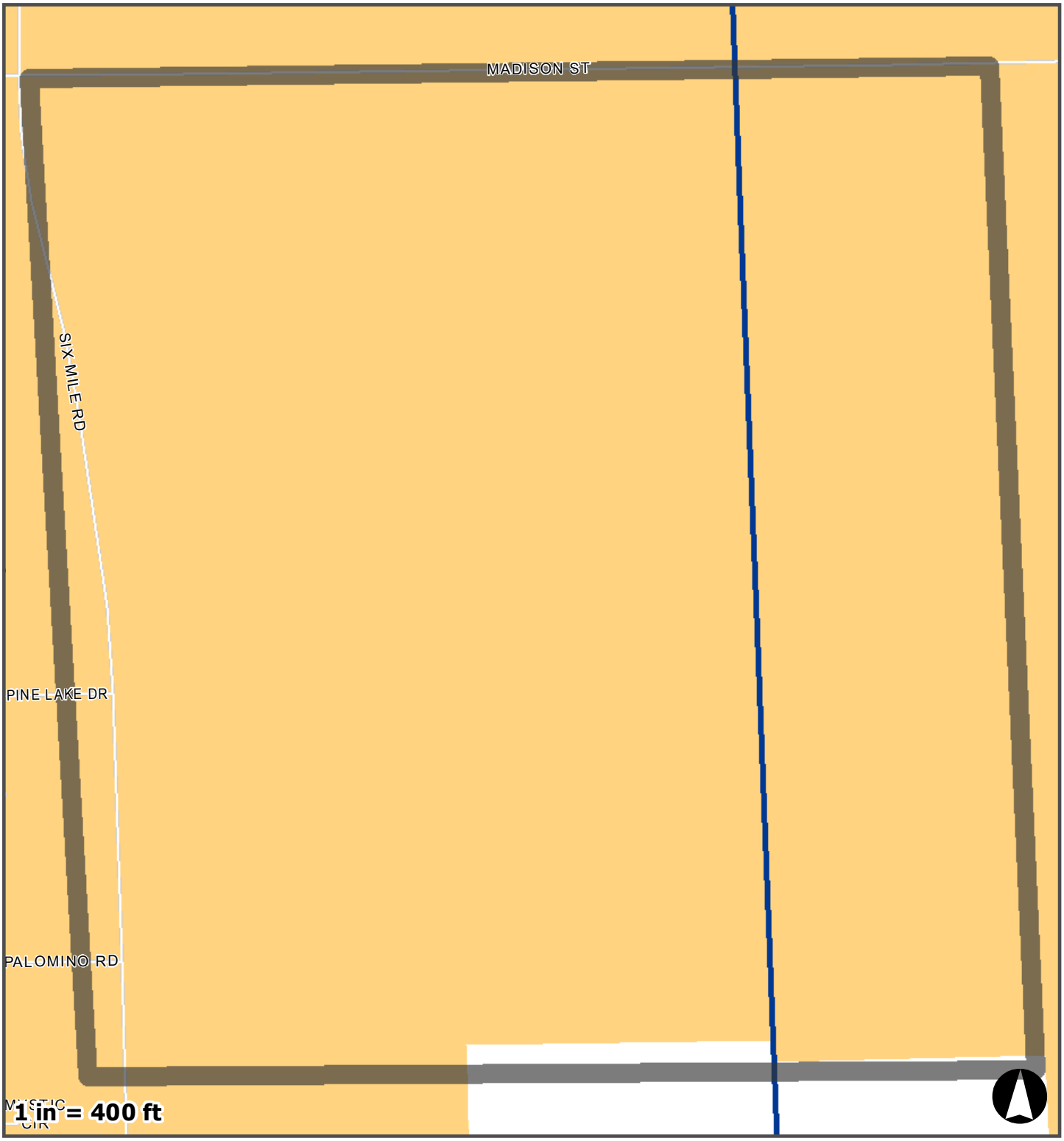
Major Gas Line

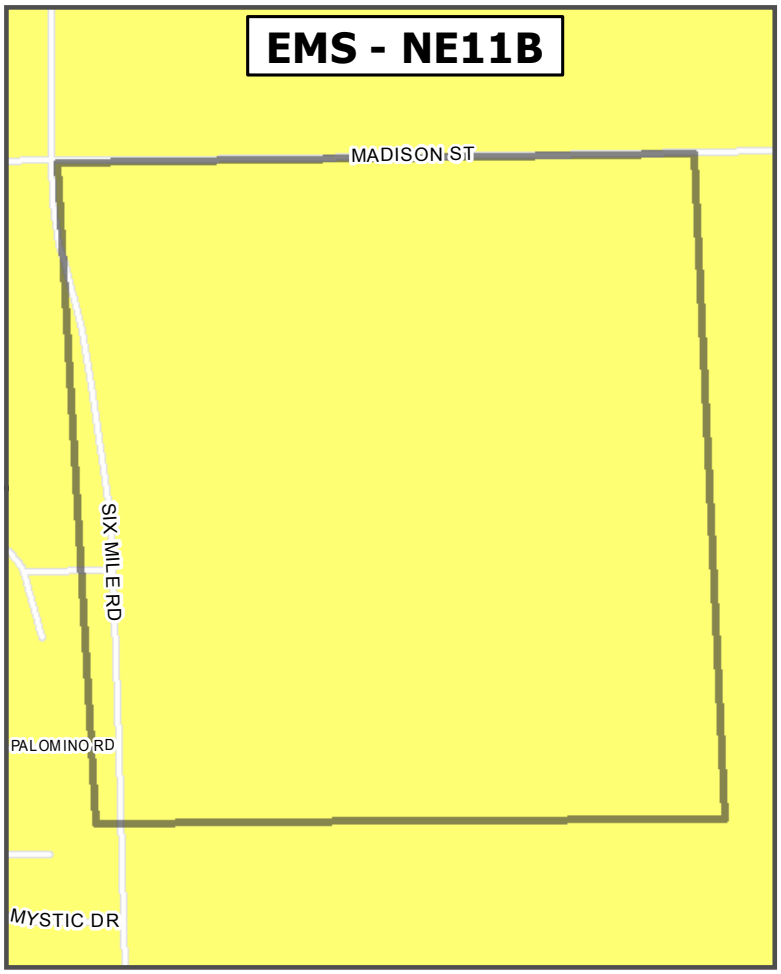
Floodplain

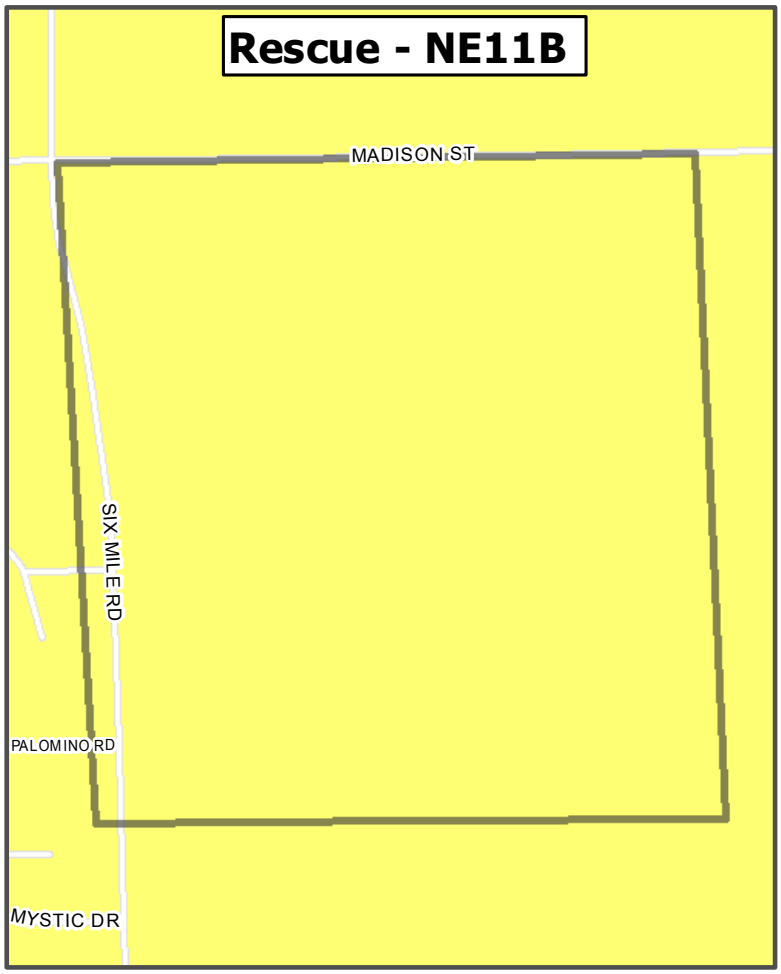
0.2 percent Annual Chance

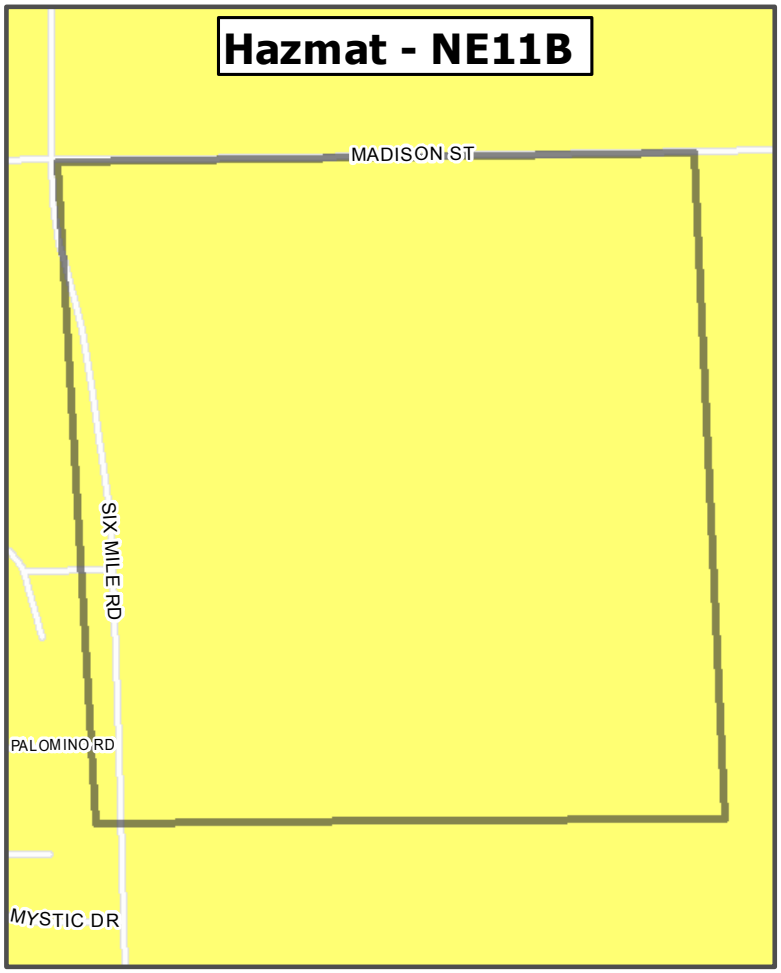
1 percent Annual Chance

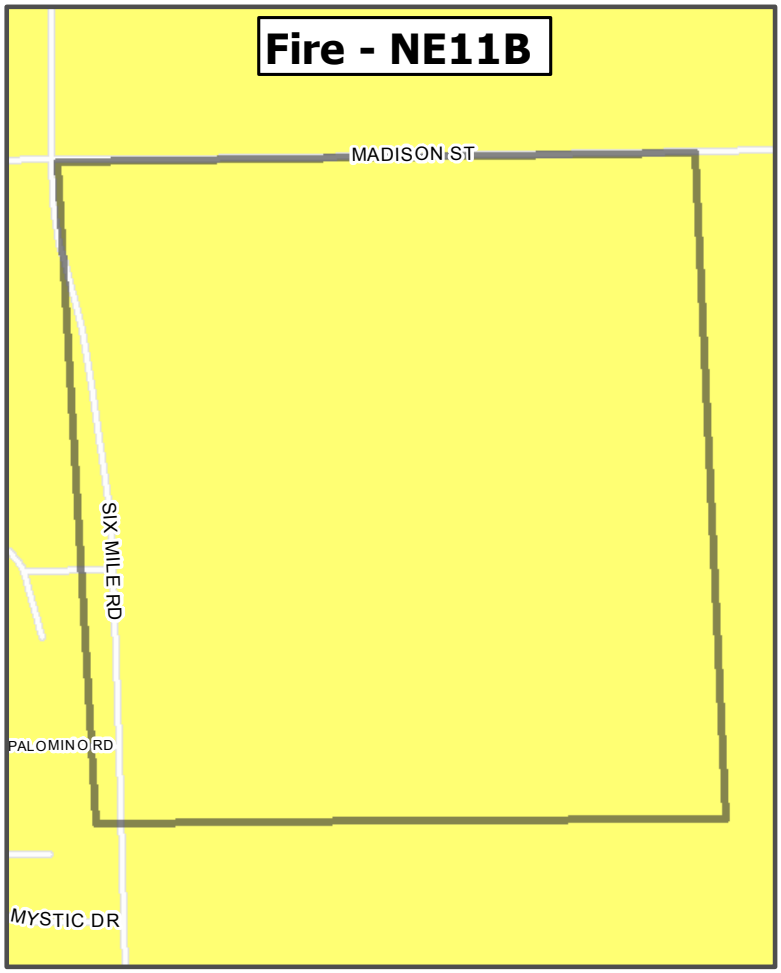












Low | Moderate | High | Special

1 inch = 821 feet

2015 Hazard/Risk Analysis by Planning Zones 12A

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy

NE12A

Fire

Rescue

HazMat

EMS

SUB Substation

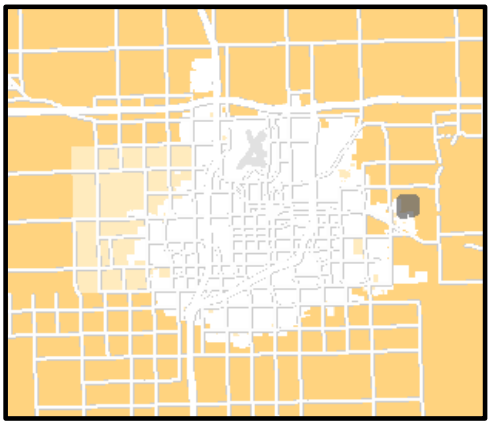
Transmission Line

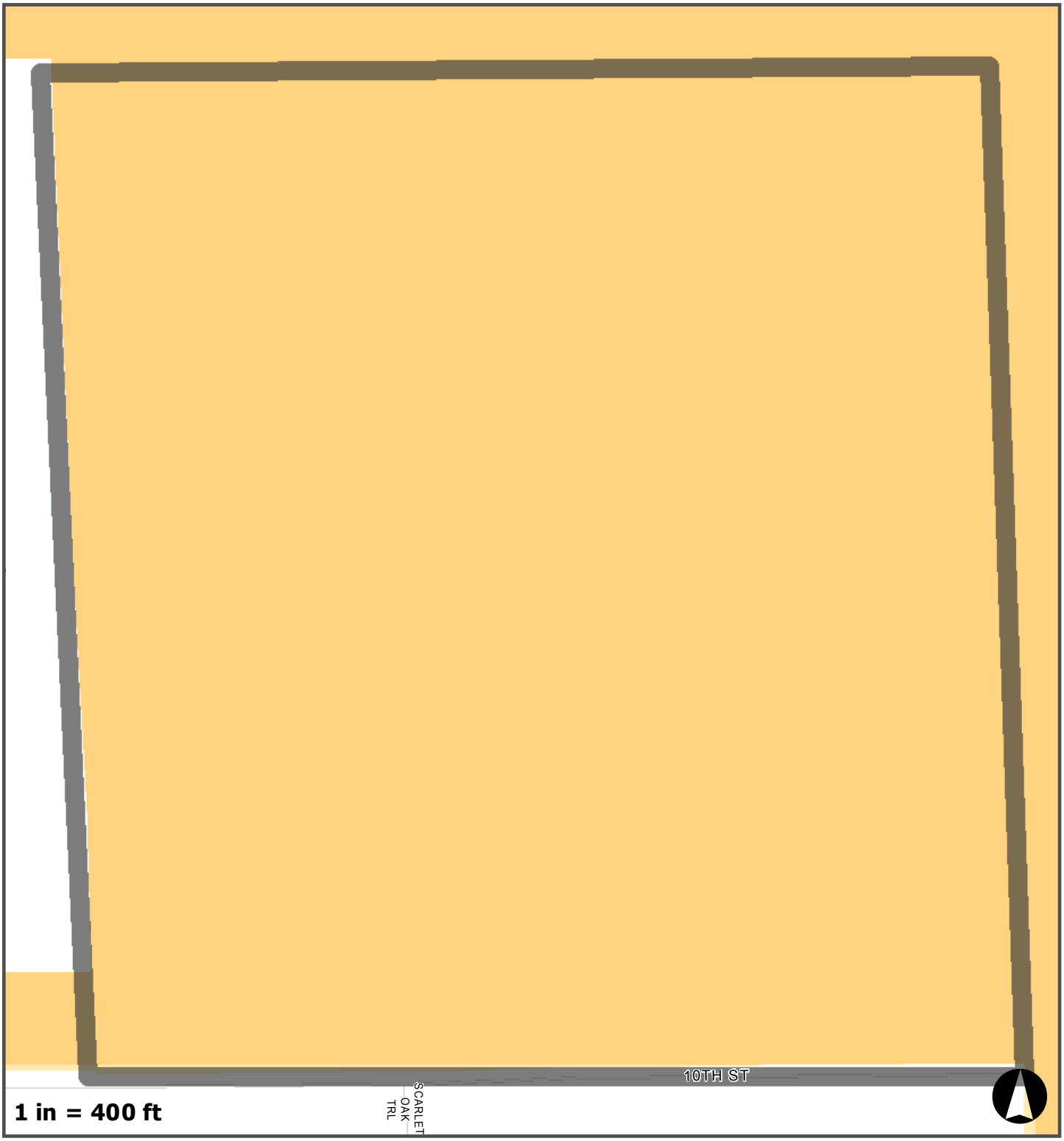
Major Gas Line

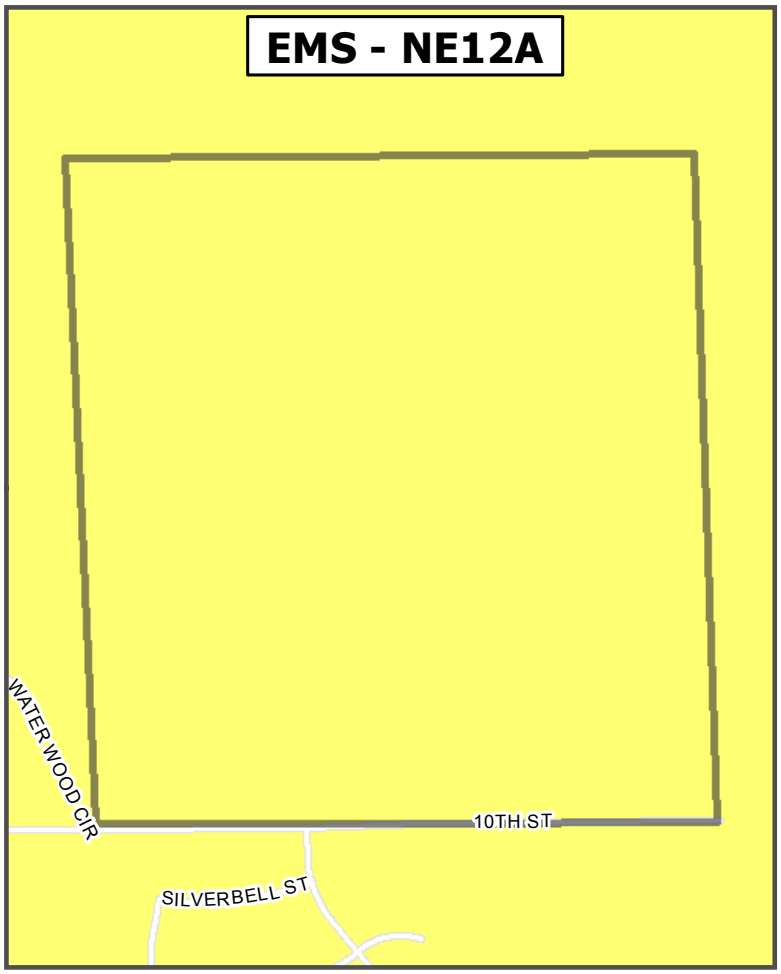
Floodplain

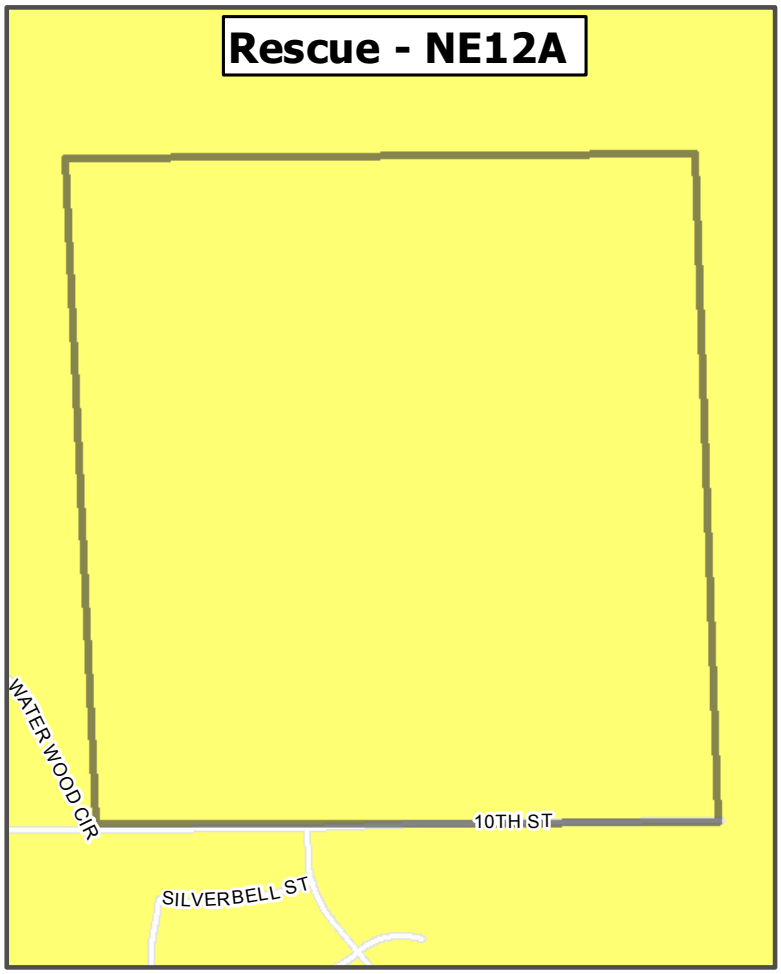
0.2 percent Annual Chance

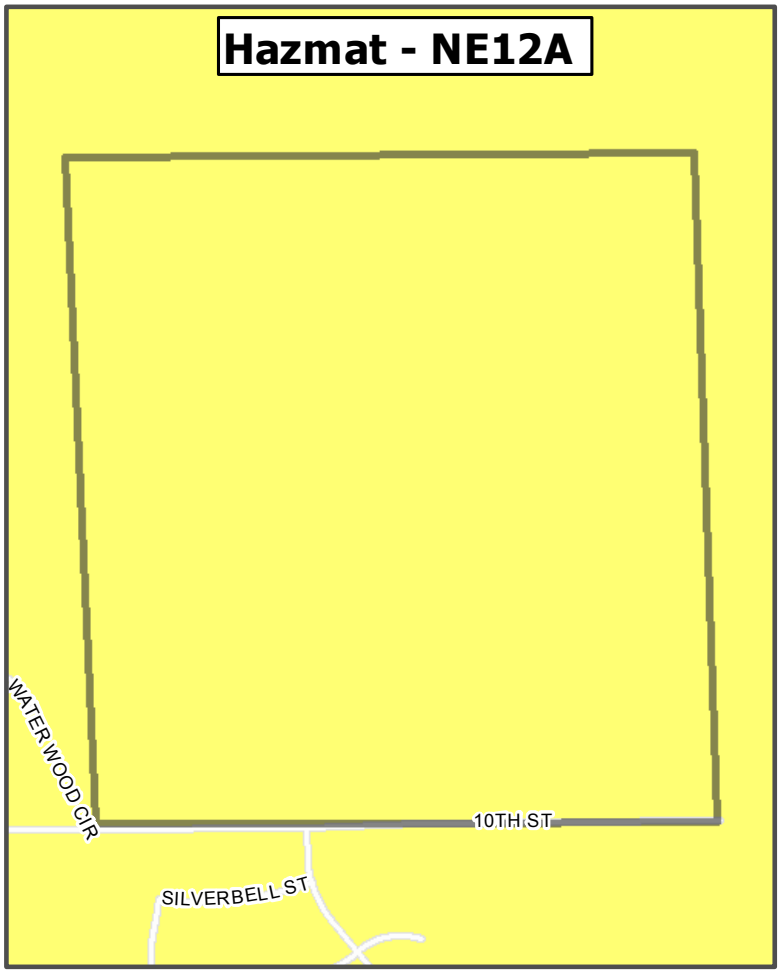
1 percent Annual Chance

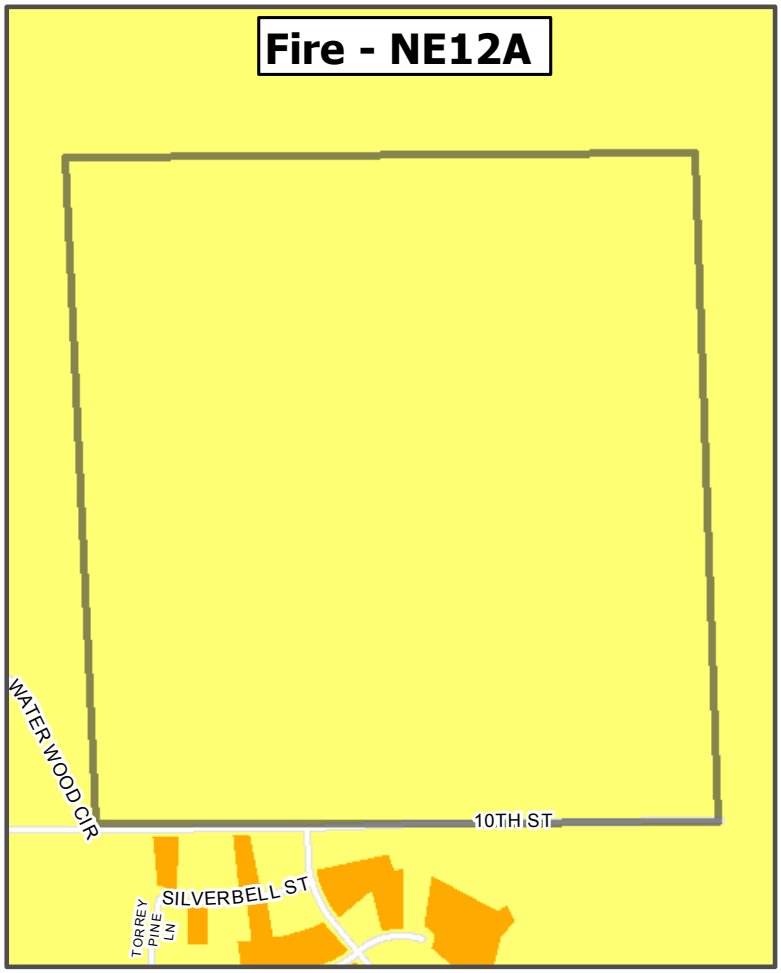












Low | Moderate | High | Special

1 inch = 821 feet

2015 Hazard/Risk Analysis by Planning Zones 1A

Frequency of Fires	
Residential	1
Commercial	0
Vehicle	1
Wildland/Brush	2
Trash	1
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	244
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	16
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	4
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Rail line intersects this quadrant		
LOWELL ELEMENTARY	Type 1	School

NE1A

Fire

Rescue

HazMat

EMS

SUB Substation

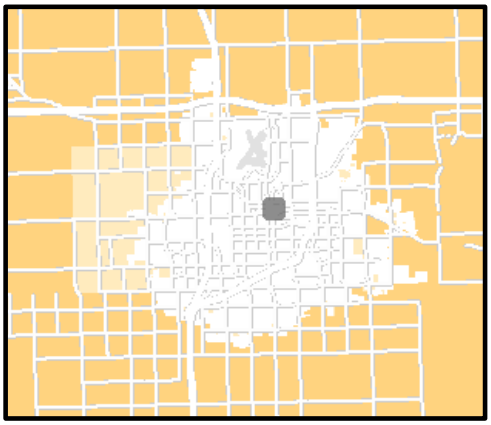
Transmission Line

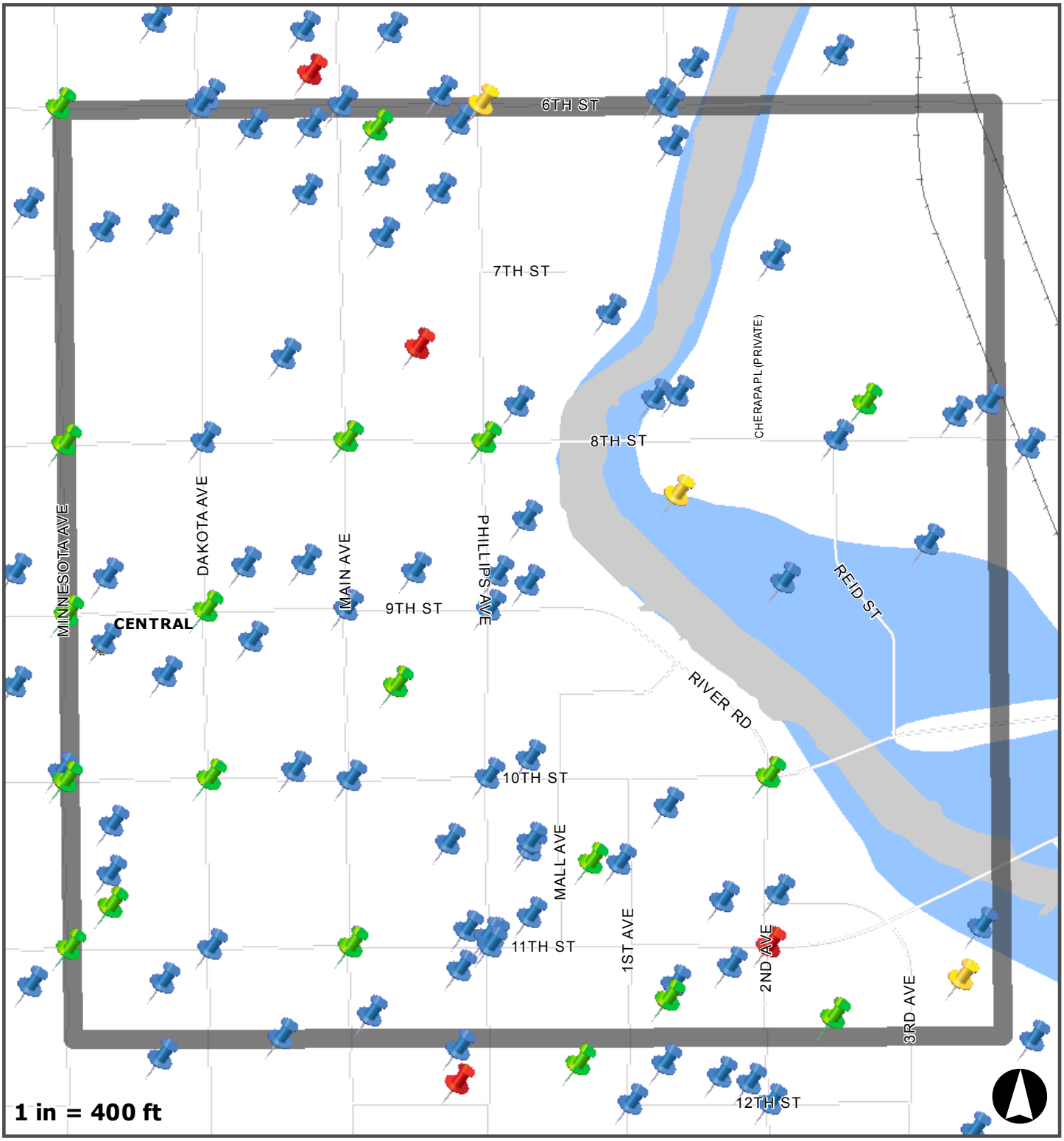
Major Gas Line

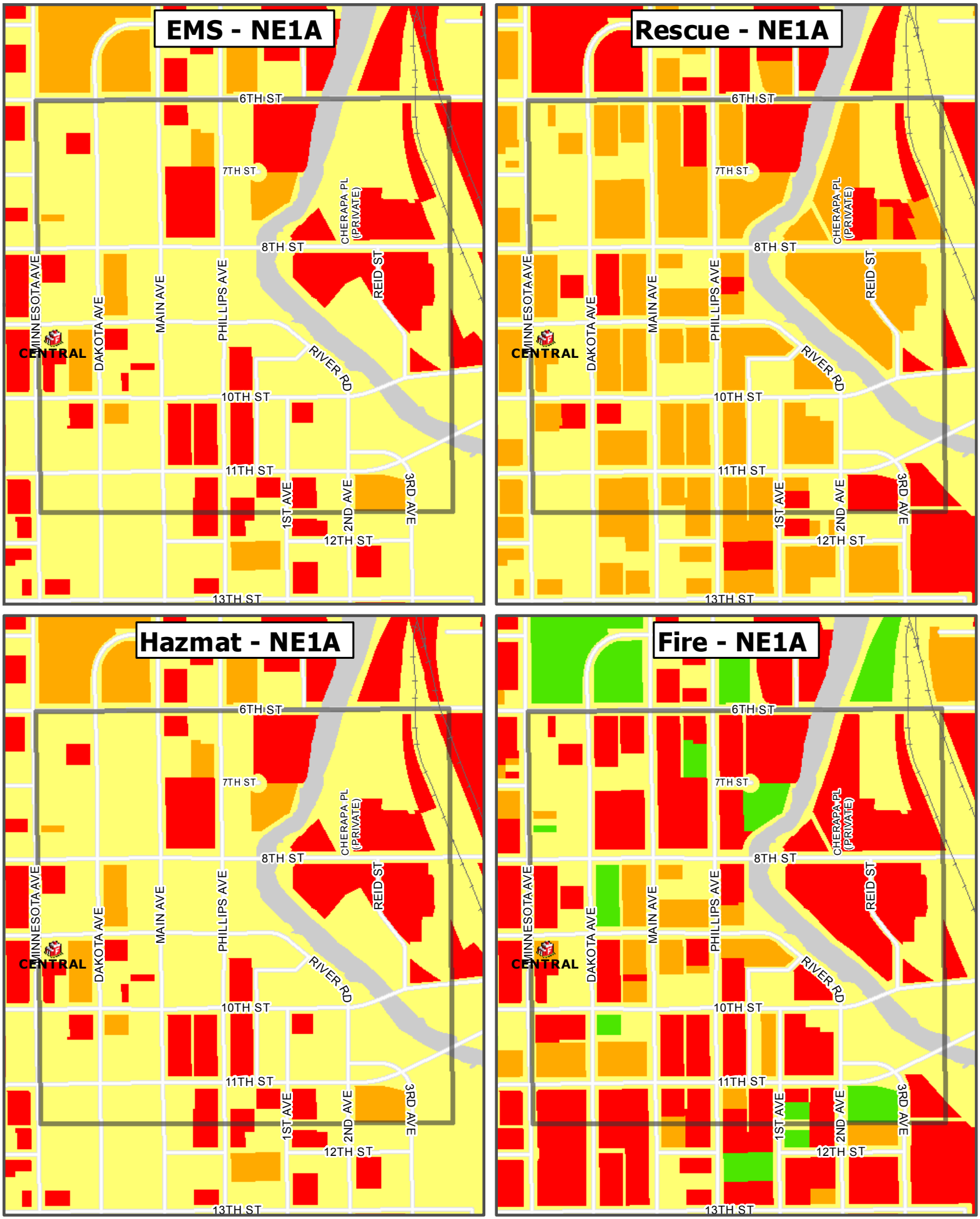
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance






EMS - NE1A
Rescue - NE1A
Hazmat - NE1A
Fire - NE1A
6TH ST
7TH ST
8TH ST
10TH ST
11TH ST
12TH ST
13TH ST
MINNESOTA AVE
DAKOTA AVE
MAIN AVE
PHILLIPS AVE
CHERAPA PL (PRIVATE)
REID ST
RIVER RD
1ST AVE
2ND AVE
3RD AVE
CENTRAL
Low
Moderate
High
Special
1 inch = 765 feet

2015 Hazard/Risk Analysis by Planning Zones 1B

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	2

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	175
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	5
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	1
Extrication	1

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	Low	Low	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	Moderate	Moderate	Low
Rail Line	Low	Moderate	Moderate	Low
High Speed MVA	Low	Moderate	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
UNIVERSITY SFNORMAN MEARS LIBRARY	Type 1	College
UNIVERSITY SFGLIDDEN HALL	Type 1	College
UNIVERSITY SFGRANDE ISLAND HALL	Type 1	College
UNIVERSITY SFCLEVELAND	Type 1	College
UNIVERSITY SFSTEWART CENTER	Type 1	College

NE1B

Fire

Rescue

HazMat

EMS

SUB Substation

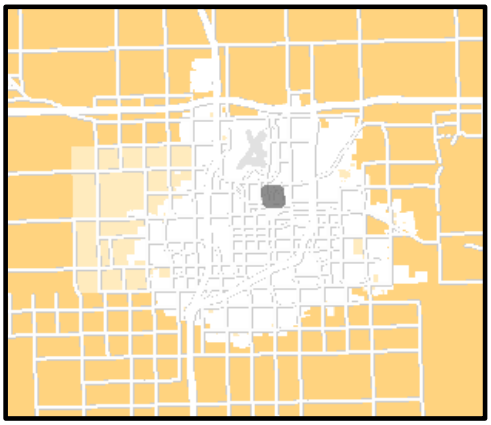
Transmission Line

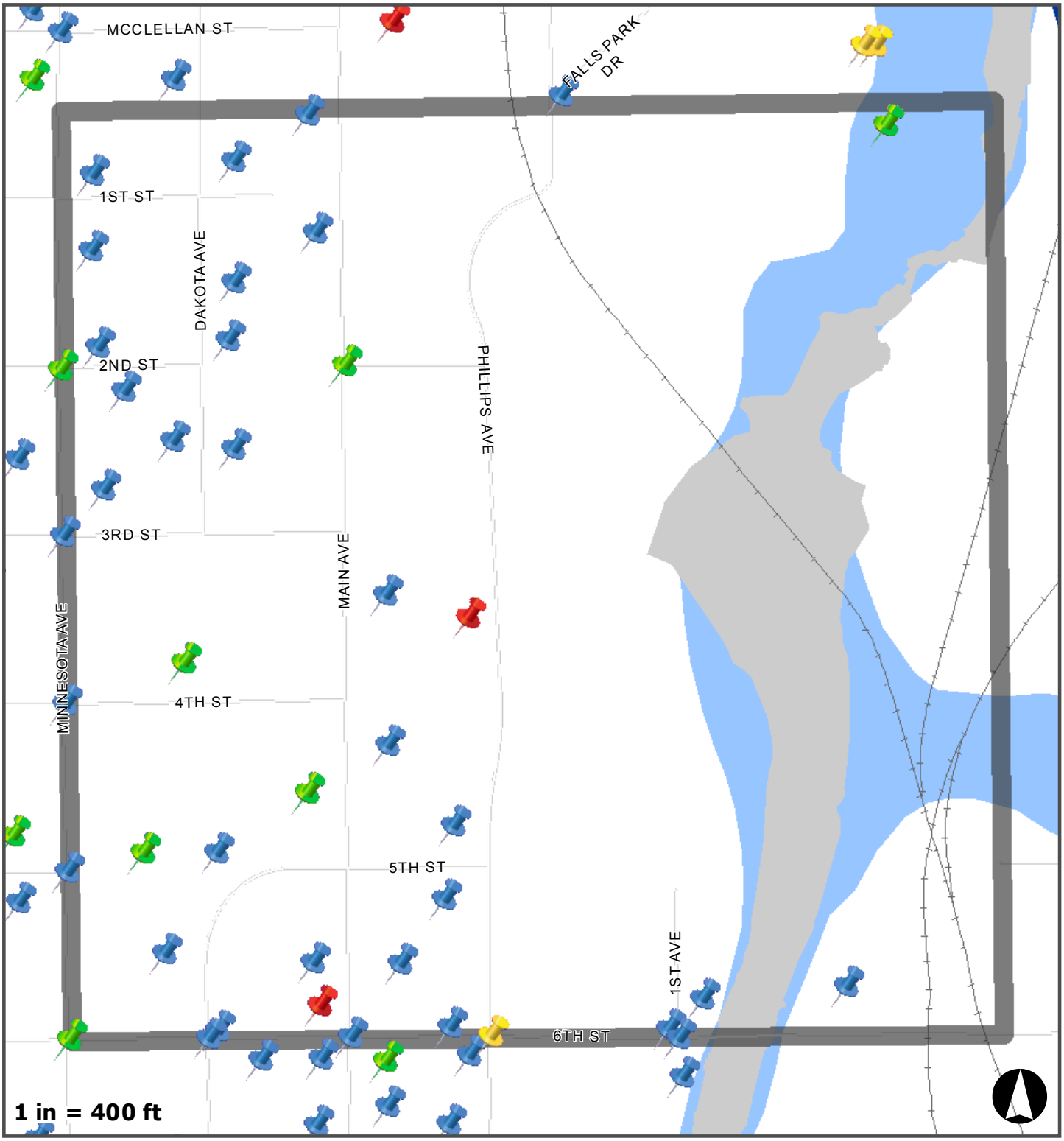
Major Gas Line

Floodplain

0.2 percent Annual Chance

1 percent Annual Chance





EMS - NE1B
Rescue - NE1B
Hazmat - NE1B
Fire - NE1B
MCCLELLAN ST
1ST ST
2ND ST
3RD ST
4TH ST
5TH ST
6TH ST
7TH ST
DAKOTA AVE
MINNESOTA AVE
MAIN AVE
PHILLIPS AVE
1ST AVE
Low
Moderate
High
Special
1 inch = 766 feet

2015 Hazard/Risk Analysis by Planning Zones 1C

Frequency of Fires	
Residential	5
Commercial	0
Vehicle	0
Wildland/Brush	1
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	23
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	3
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	2
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
AUGUSTANAGRANSKOU	Type 2	College High Rise
AUGUSTANASTAVIG	Type 2	College High Rise
AUGUSTANATUVE HALL	Type 1	College
AUGUSTANAMAINTENANCE	Type 1	College
AUGUSTANABERGSAKER	Type 1	College
DULUTH PLACE APARTMENTS	Type 1	College
AUGUSTANAARCHEOLOGY ANNEX	Type 1	College
AUGUSTANAEIDE DALRYMPLE ART G	Type 1	College
AUGUSTANAMAINT & SERVICE CTR	Type 1	College
AUGUSTANAEDITH MORTENSON CTR	Type 1	College
AUGUSTANAMORRISON COMMONS	Type 1	College
AUGUSTANAHUMANITIES	Type 1	College
AUGUSTANASOLBERG	Type 1	College
AUGUSTANAEAST HALL	Type 1	College
AUGUSTANAOLD MAIN	Type 1	College
AUGUSTANAADMIN BLDG 1919	Type 1	College
AUGUSTANAOFFICE BLDG	Type 1	College
AUGUSTANAMIKKELSON LIBRARY	Type 1	College
AUGUSTANAFANTLE BUILDING	Type 1	College
AUGUSTANACHAPELSD SYNOD	Type 1	College
AUGUSTANAMADSEN CENTER	Type 1	College
AUGUSTANAGILBERT SCIENCE CTR	Type 6	College Hazardous Materials
AUGUSTANA STUDENT HOUSING 2420	Type 1	College

NE1C

Fire

Rescue

HazMat

EMS

SUB Substation

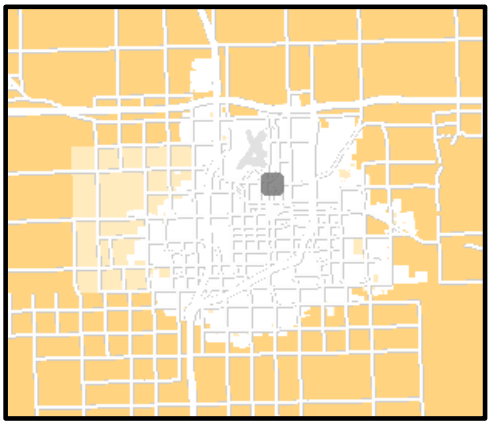
Transmission Line

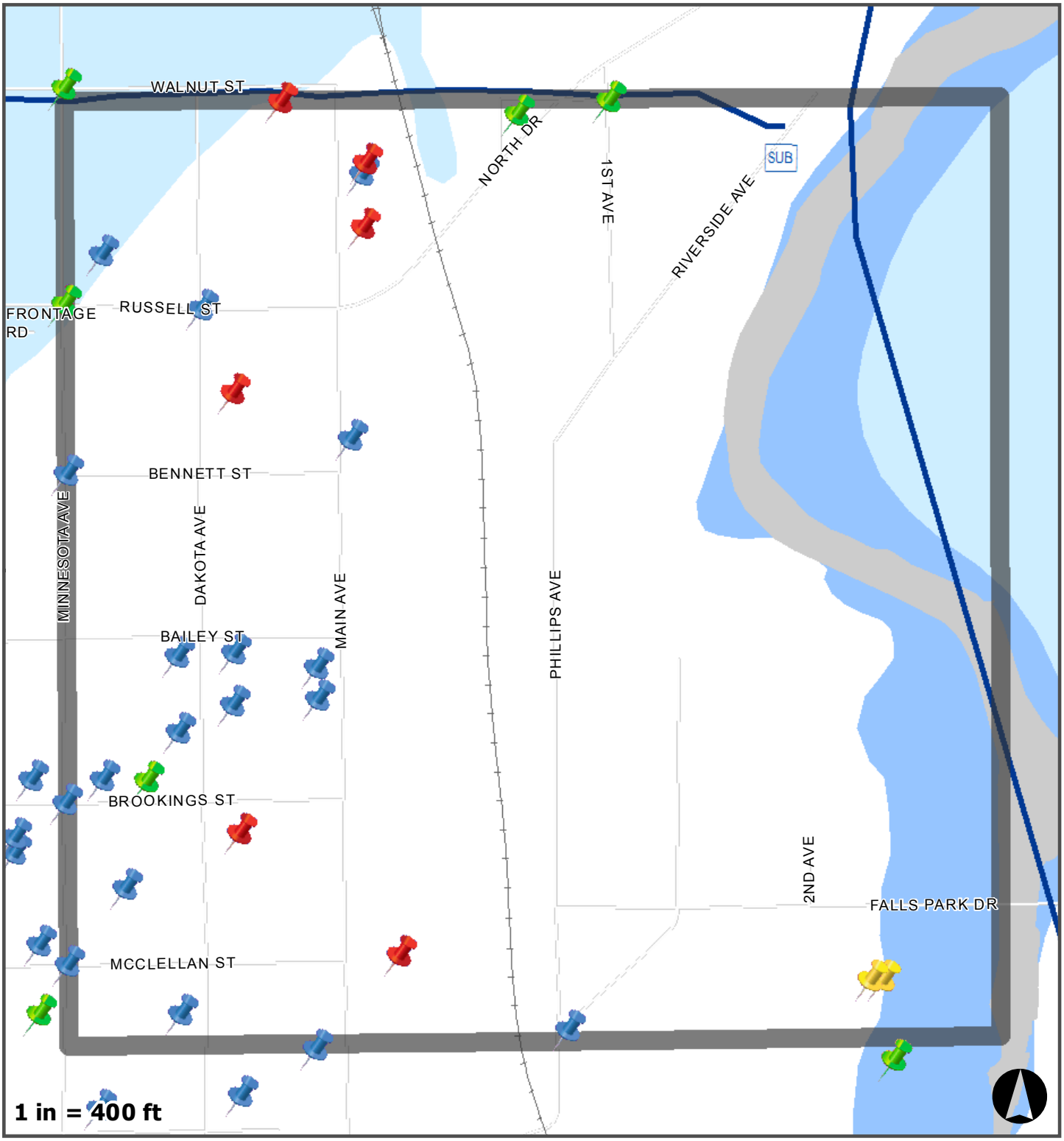
Major Gas Line

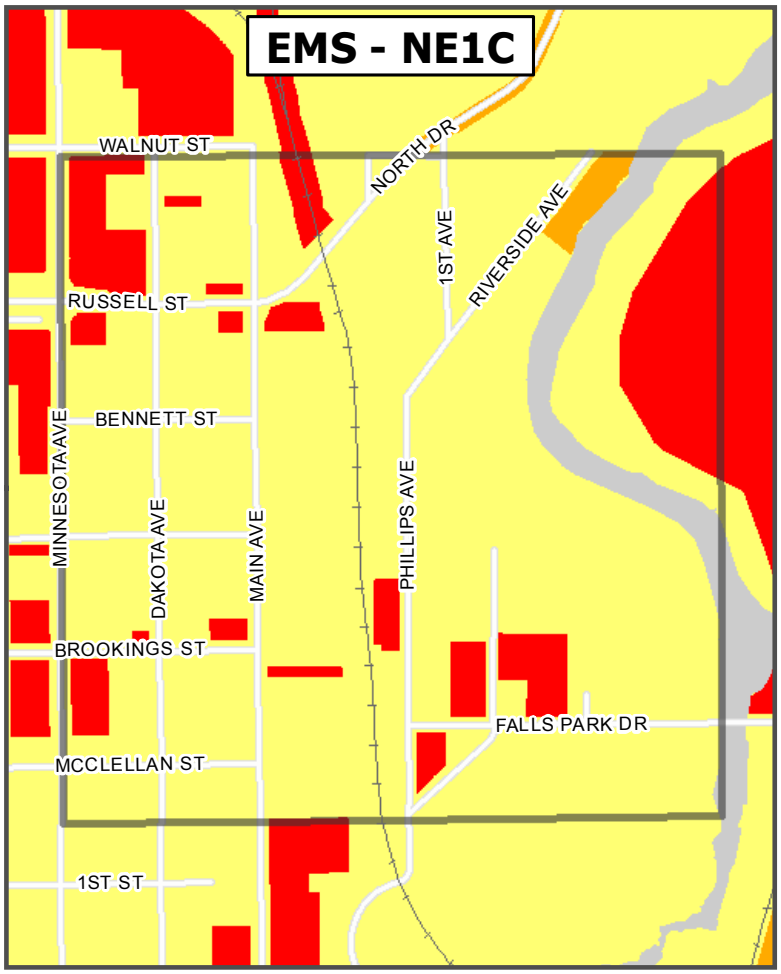
Floodplain

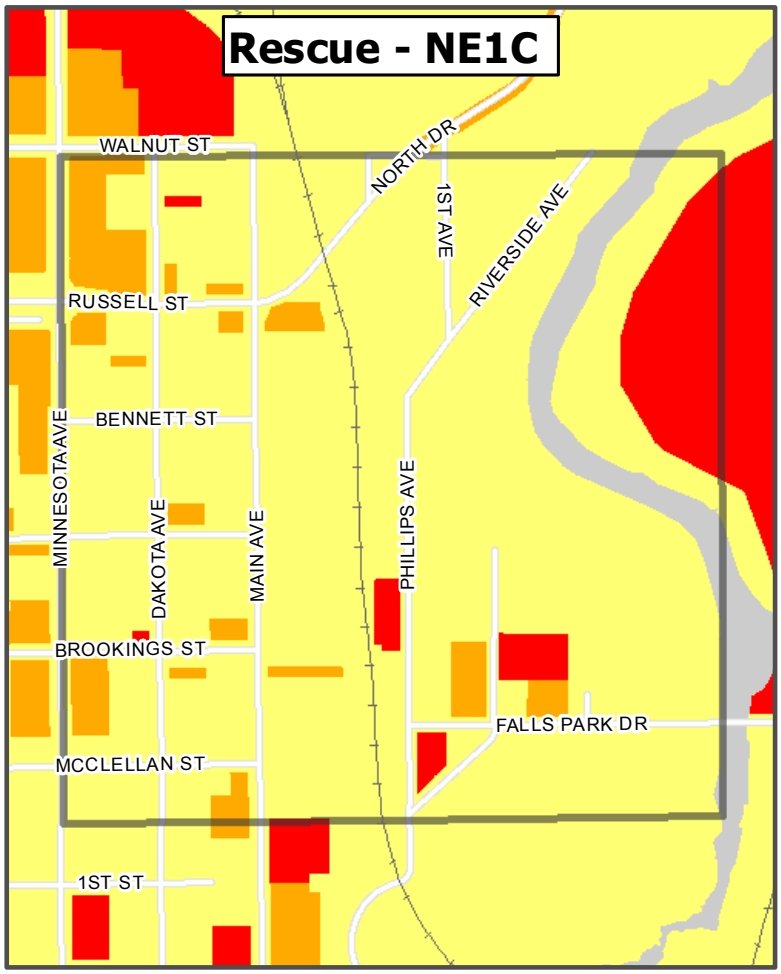
0.2 percent Annual Chance

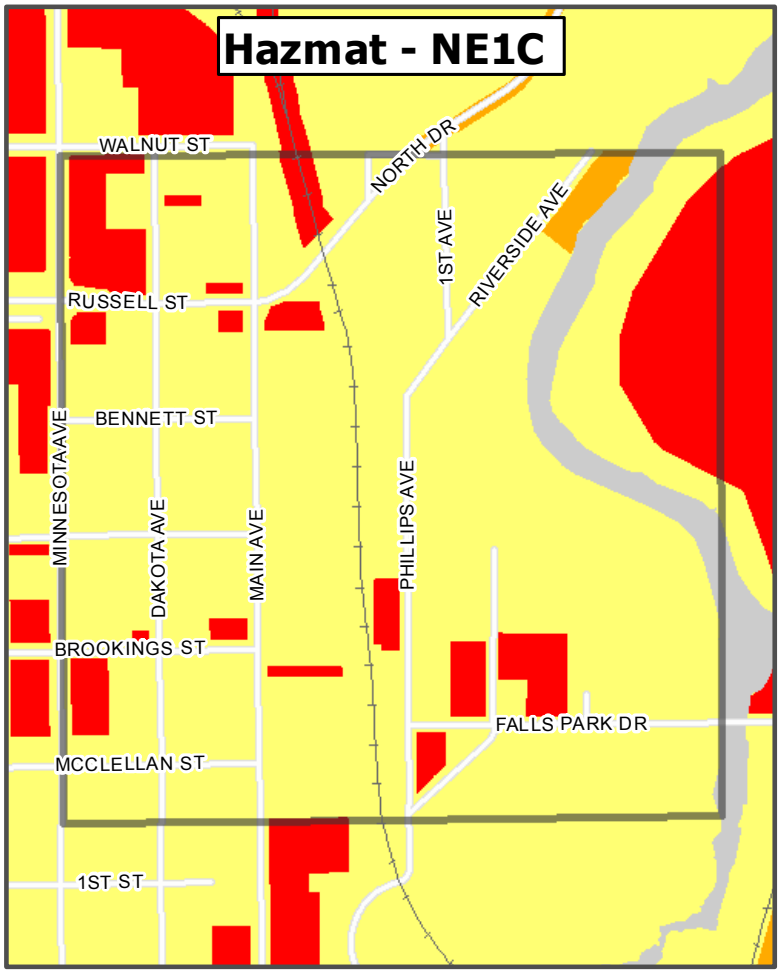
1 percent Annual Chance

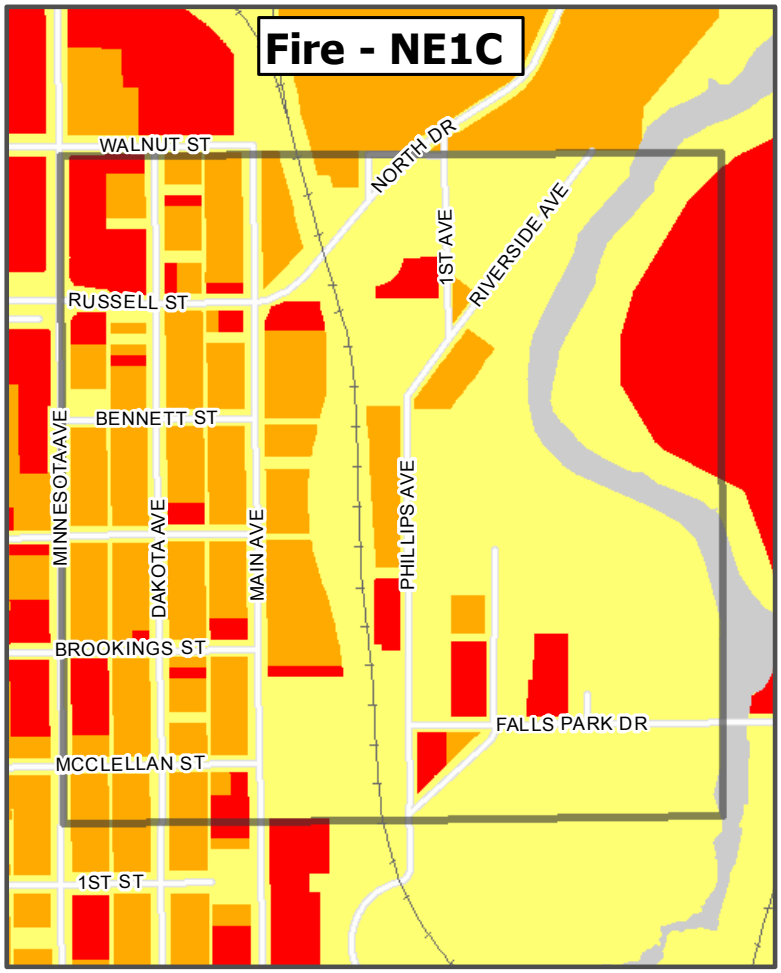












Low | Moderate | High | Special

1 inch = 770 feet

2015 Hazard/Risk Analysis by Planning Zones 1D

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	35
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	3
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy

NE1D

Fire

Rescue

HazMat

EMS

SUB Substation

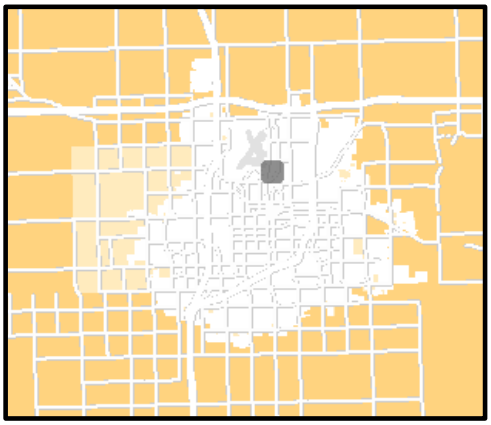
Transmission Line

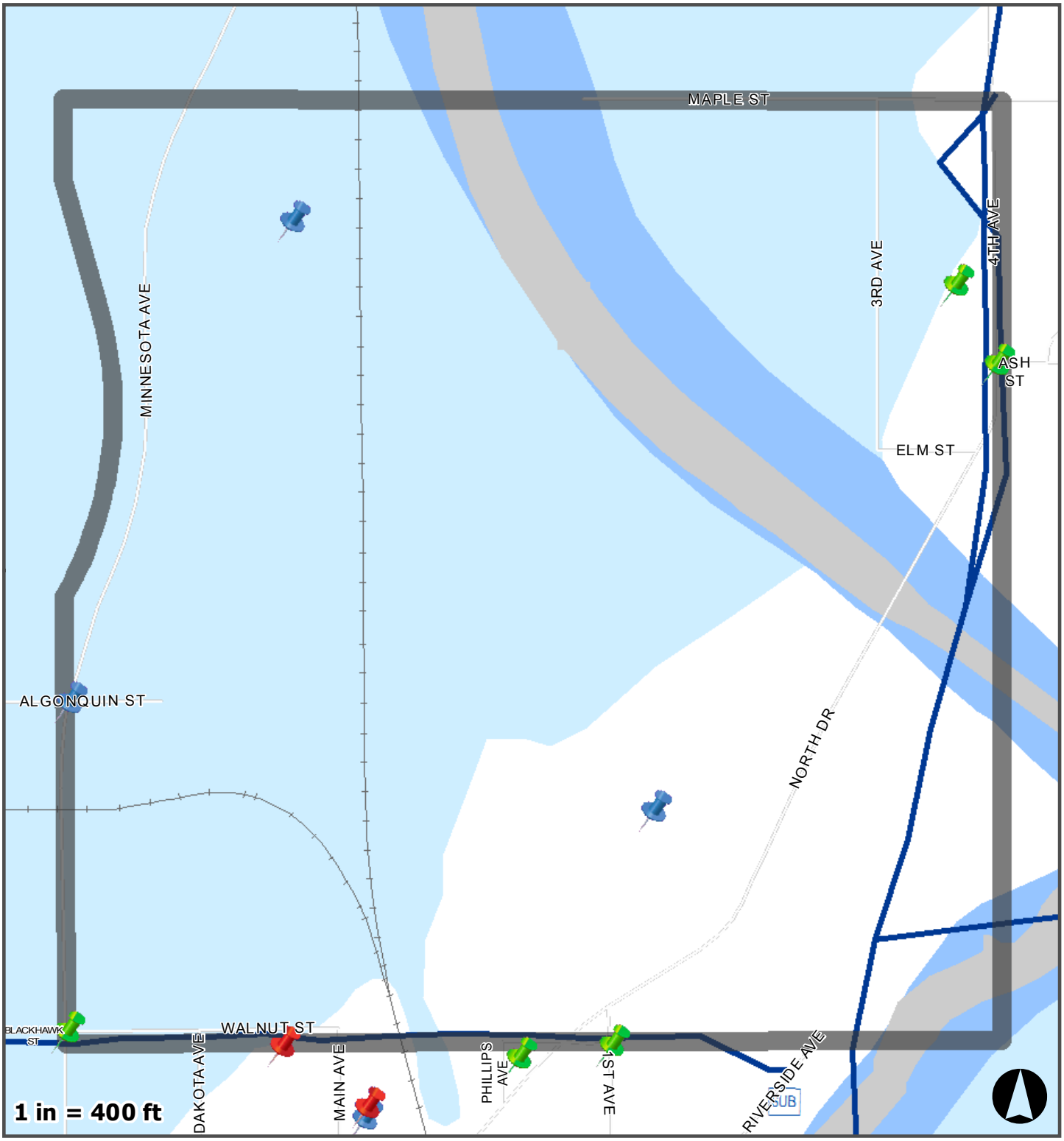
Major Gas Line

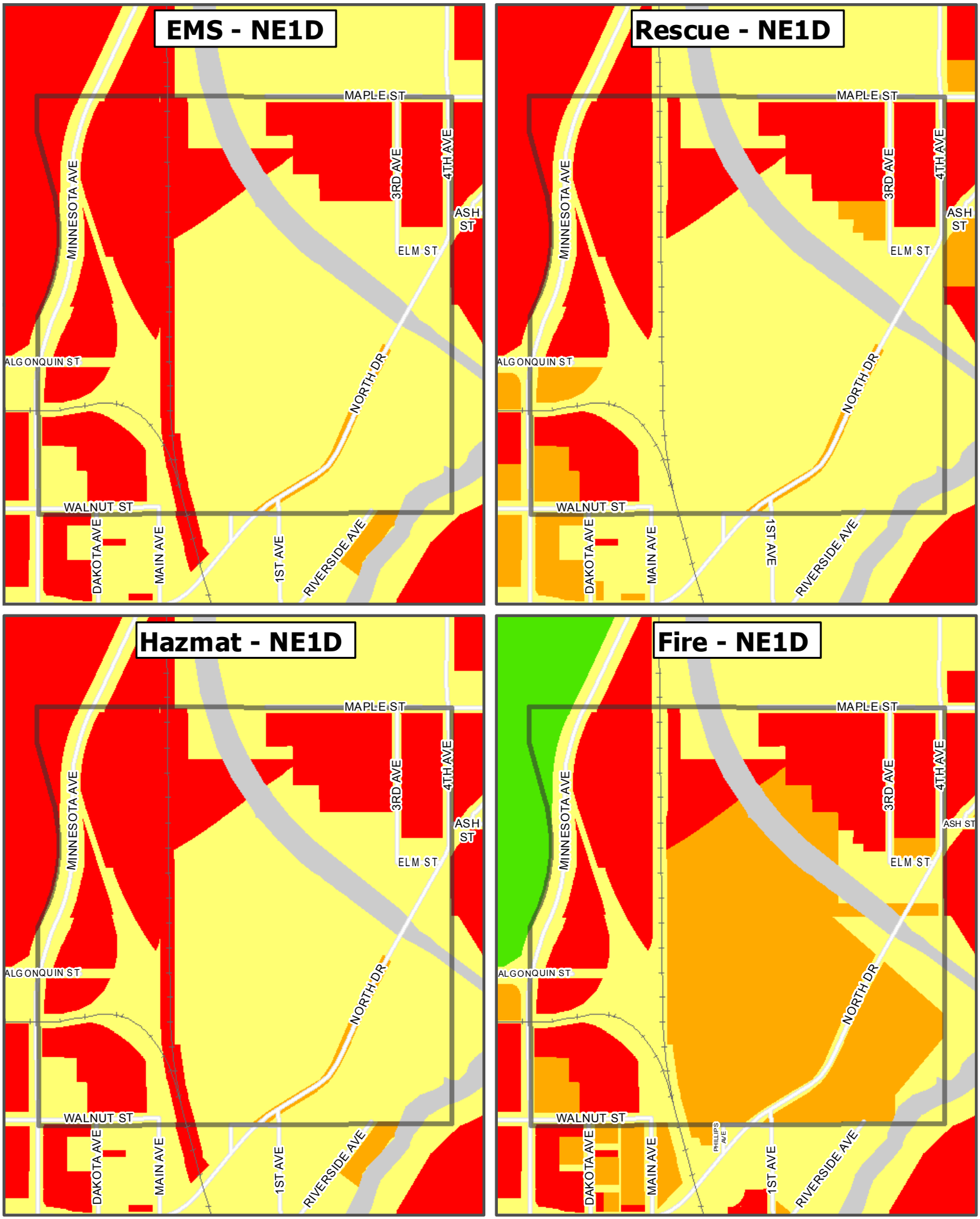
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance







Low | Moderate | High | Special

1 inch = 767 feet

2015 Hazard/Risk Analysis by Planning Zones 1E

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	4
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	1
EMS Calls-High	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 30% of this quadrant lies in the flood plain (Big Sioux)		
Interstate highway intersects this quadrant		
Pipeline intersects this quadrant		
SOUTHRIDGE HEALTHCARE	Type 1	Nursing Home

NE1E

Fire

Rescue

HazMat

EMS

SUB Substation

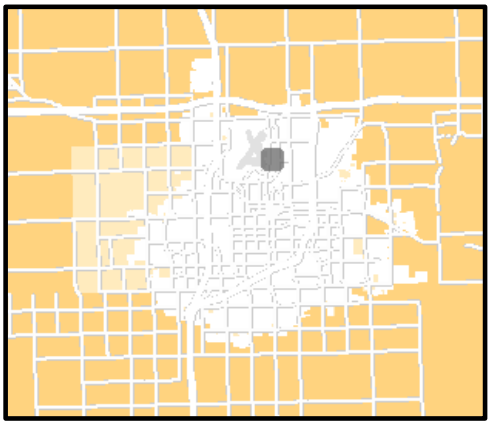
Transmission Line

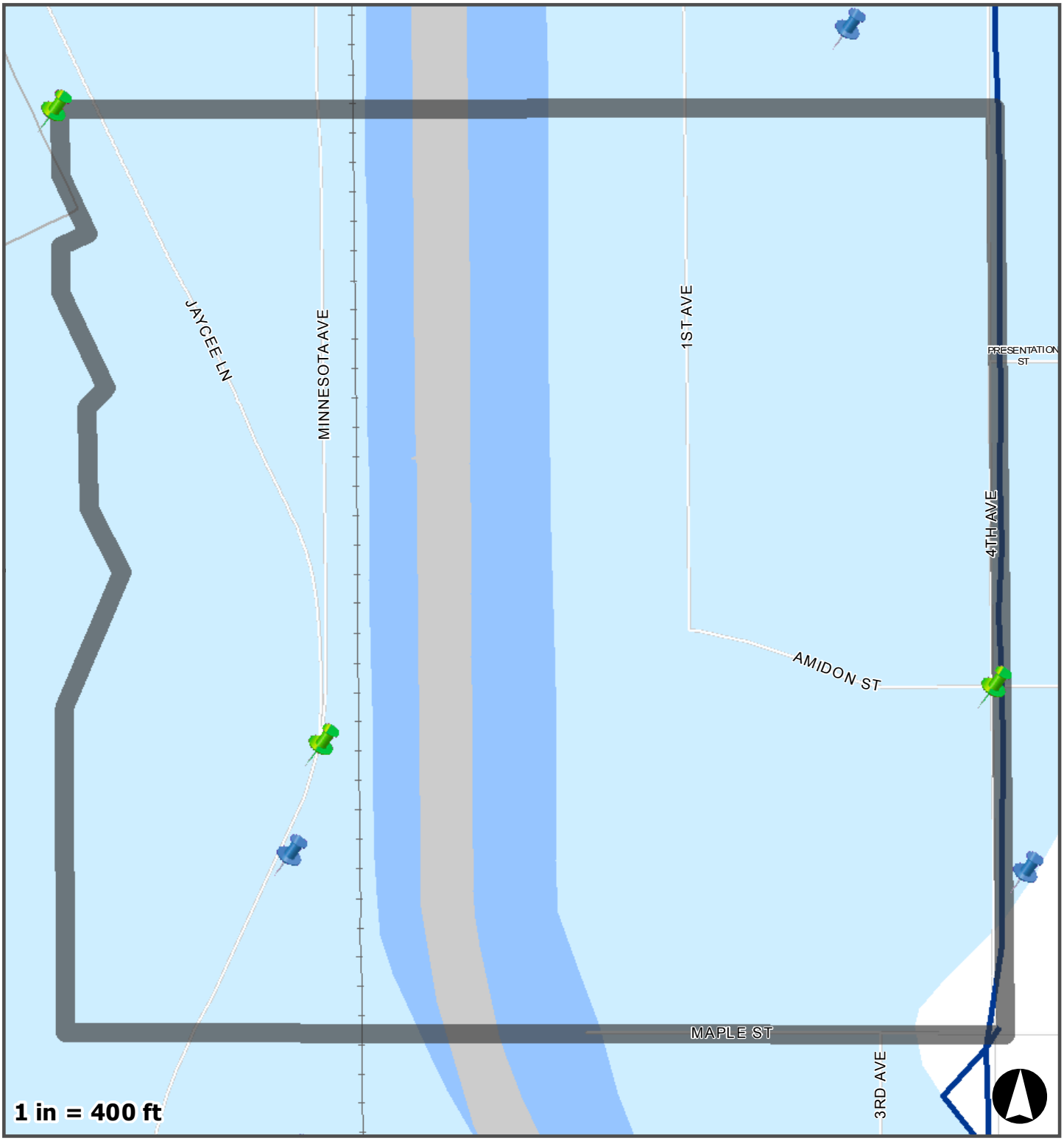
Major Gas Line

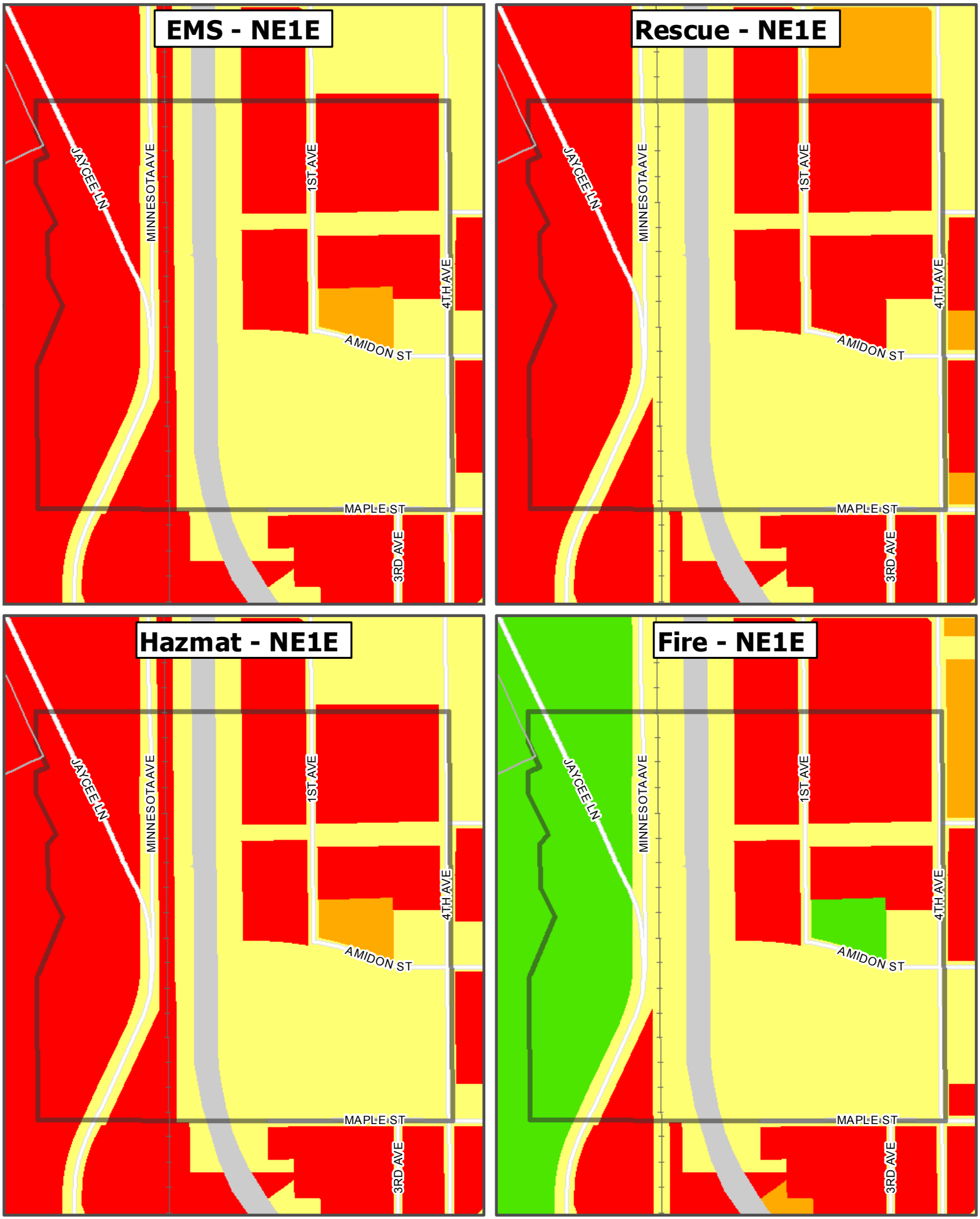
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance







Low | Moderate | High | Special

1 inch = 768 feet

2015 Hazard/Risk Analysis by Planning Zones 1F

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	1

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	9
EMS Calls-High	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 60% of this quadrant lies in the flood plain (Big Sioux)		
Interstate highway intersects this quadrant		
Pipeline intersects this quadrant		

NE1F

Fire

Rescue

HazMat

EMS

SUB Substation

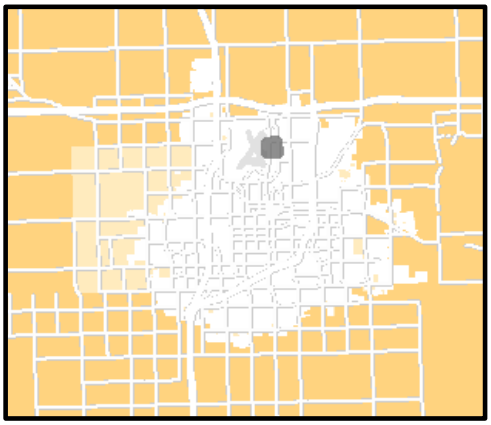
Transmission Line

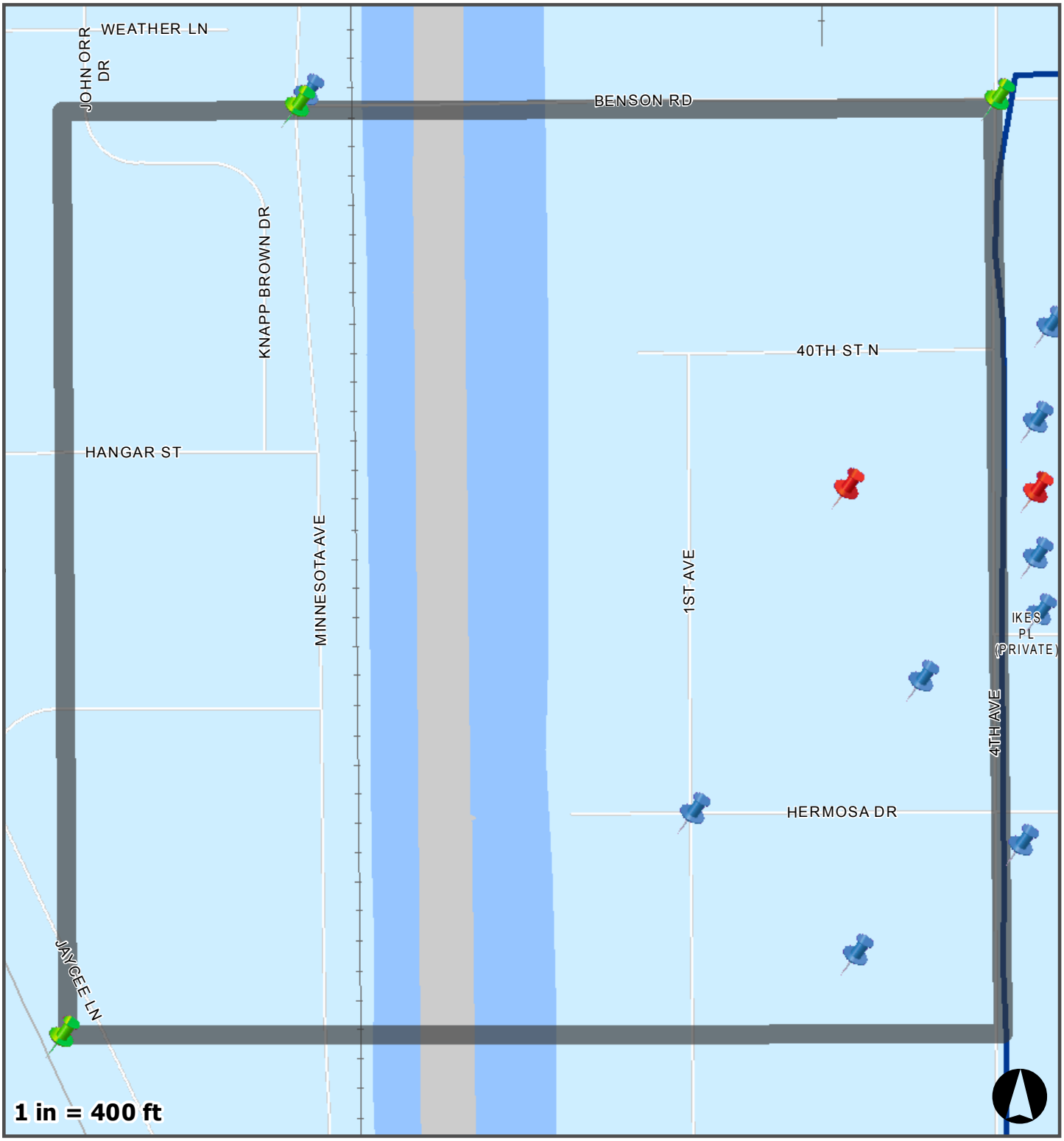
Major Gas Line

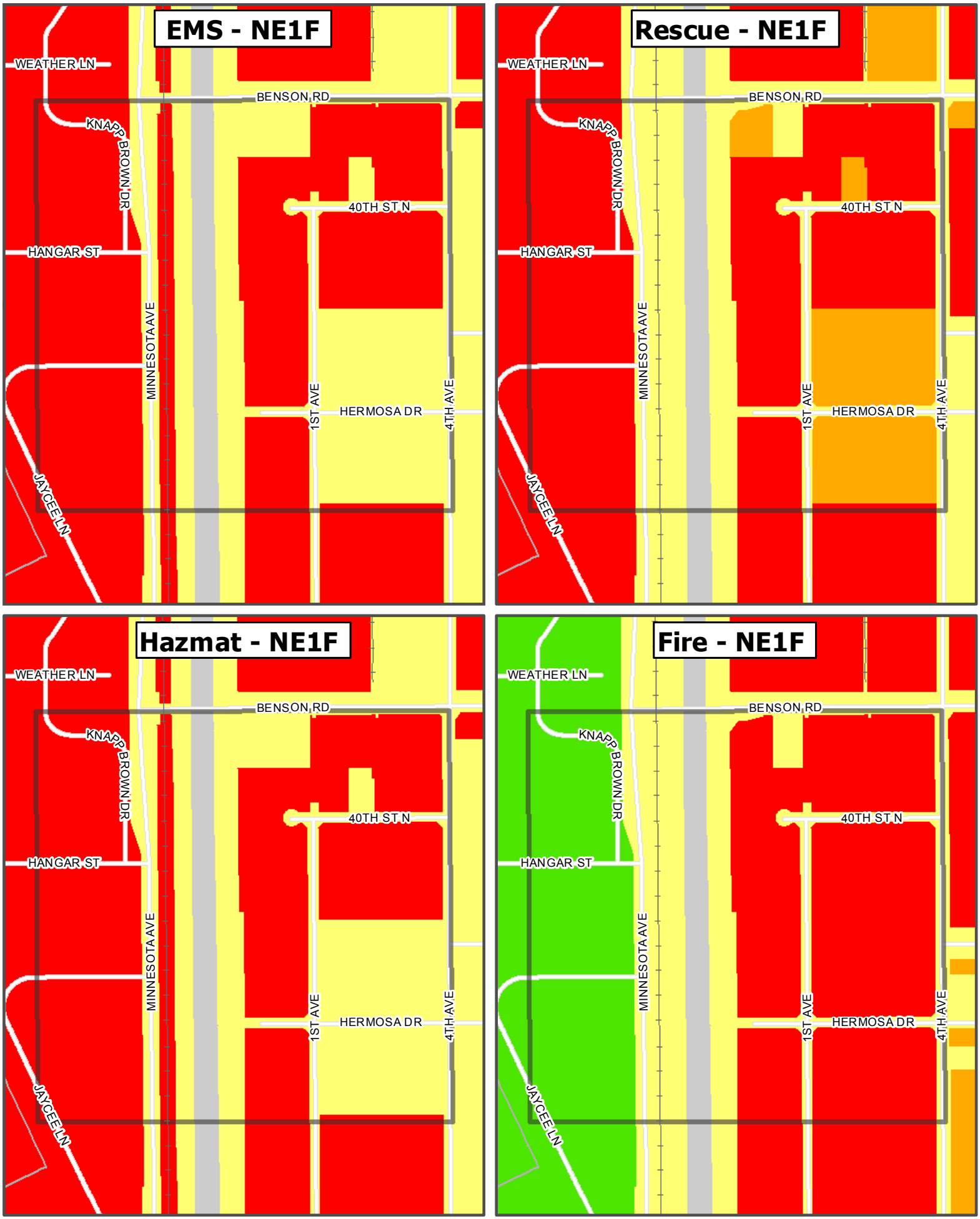
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance







Low | Moderate | High | Special

1 inch = 764 feet

2015 Hazard/Risk Analysis by Planning Zones 1G

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	1
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	1
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	2
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Pipeline intersects this quadrant		

NE1G

Fire

Rescue

HazMat

EMS

SUB Substation

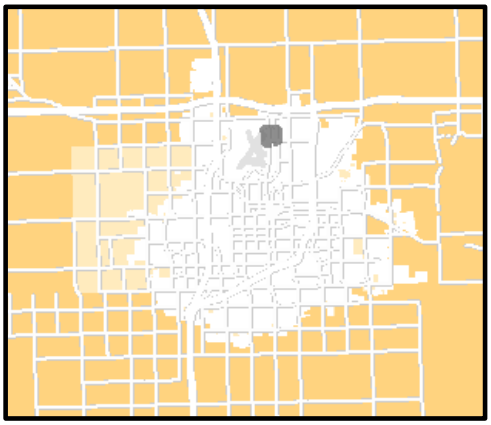
Transmission Line

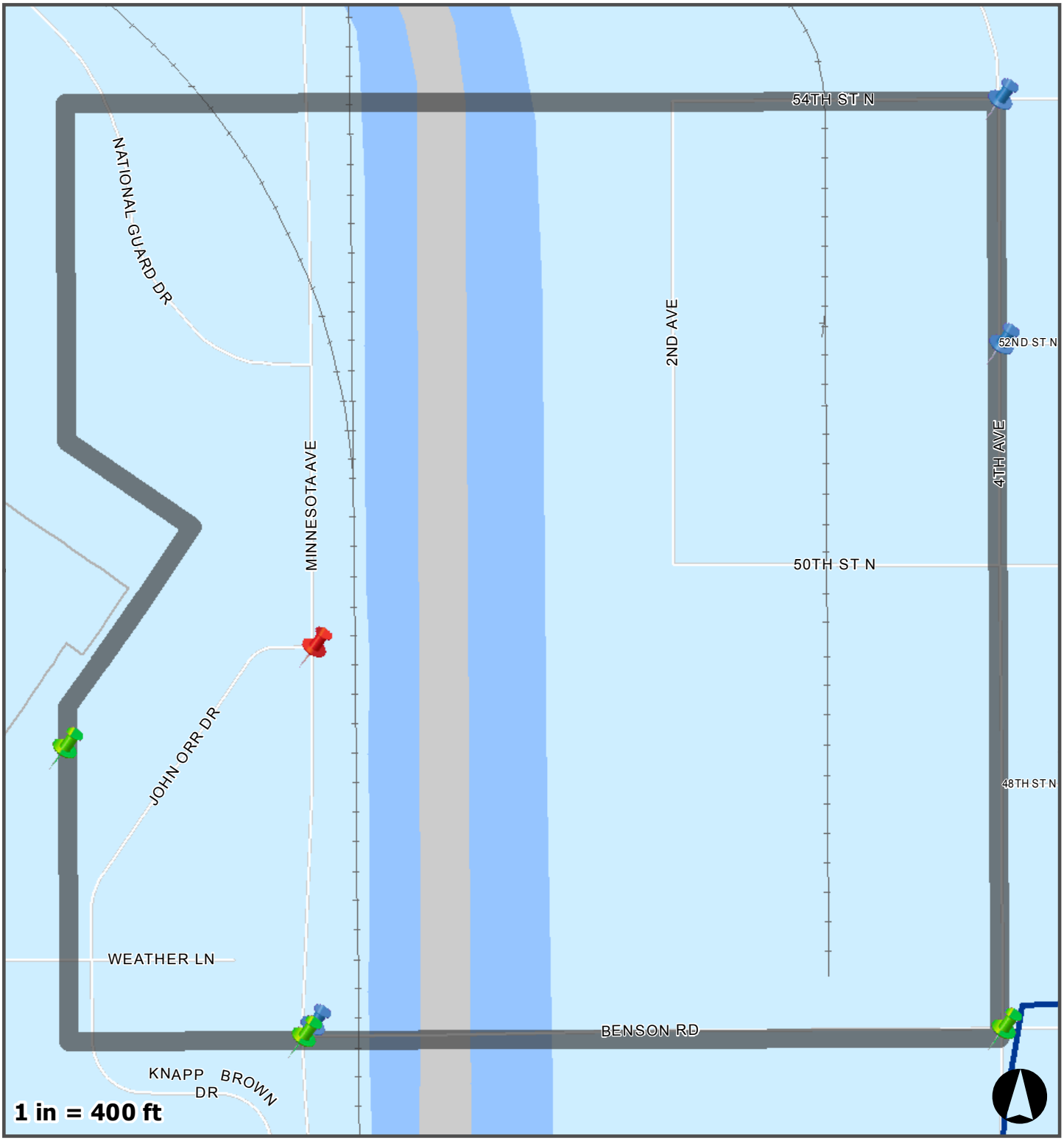
Major Gas Line

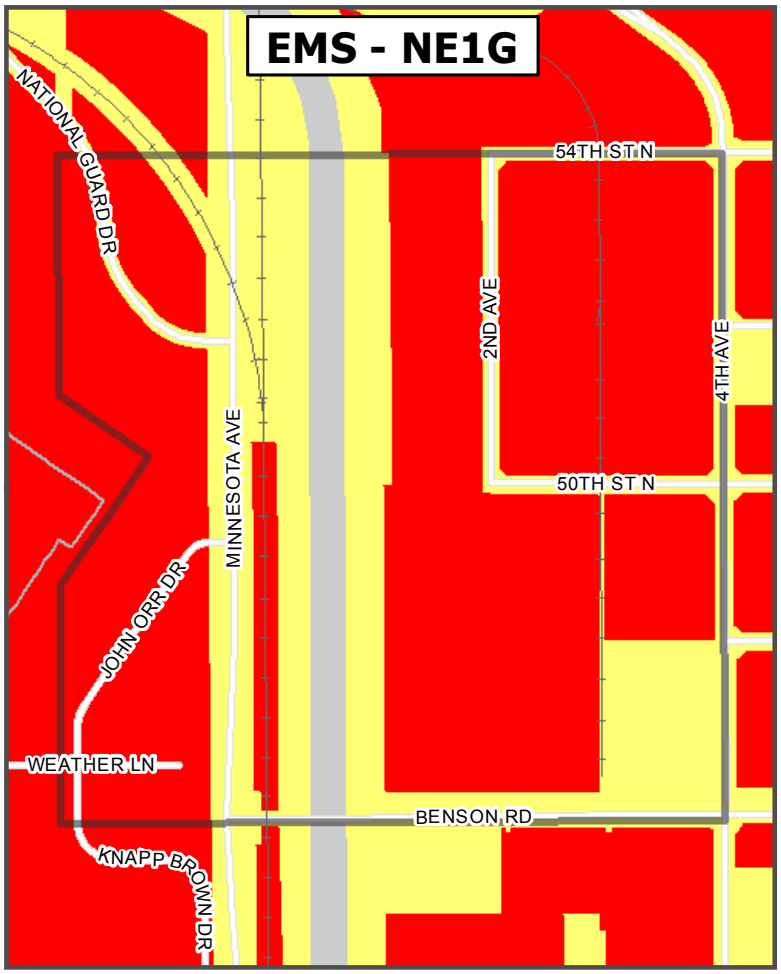
Floodplain

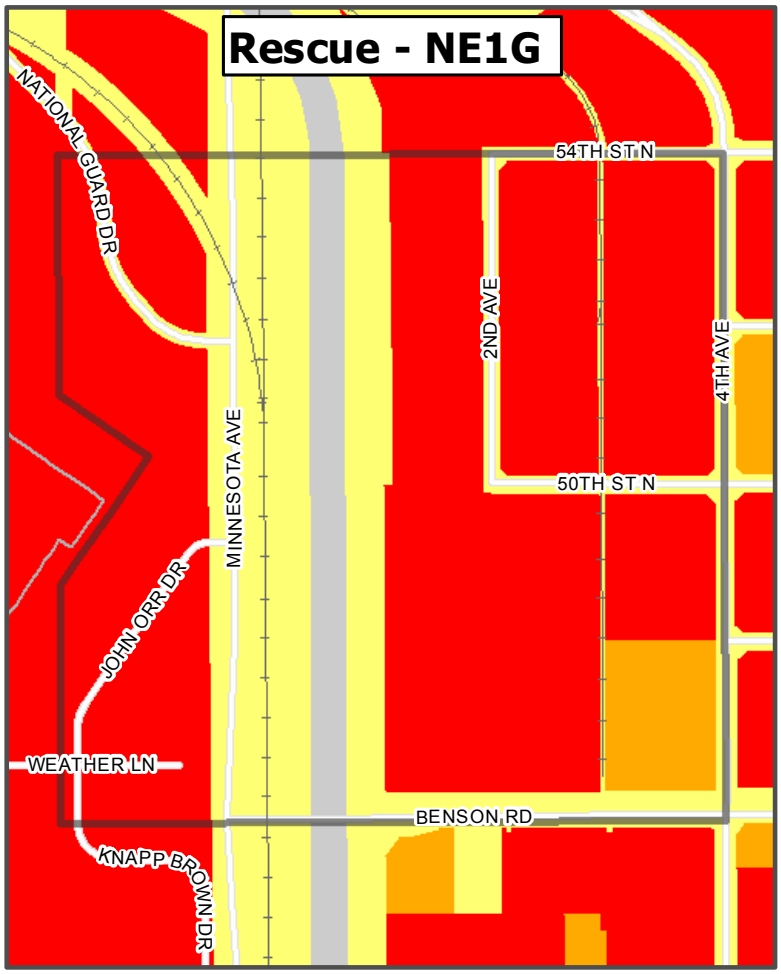
0.2 percent Annual Chance

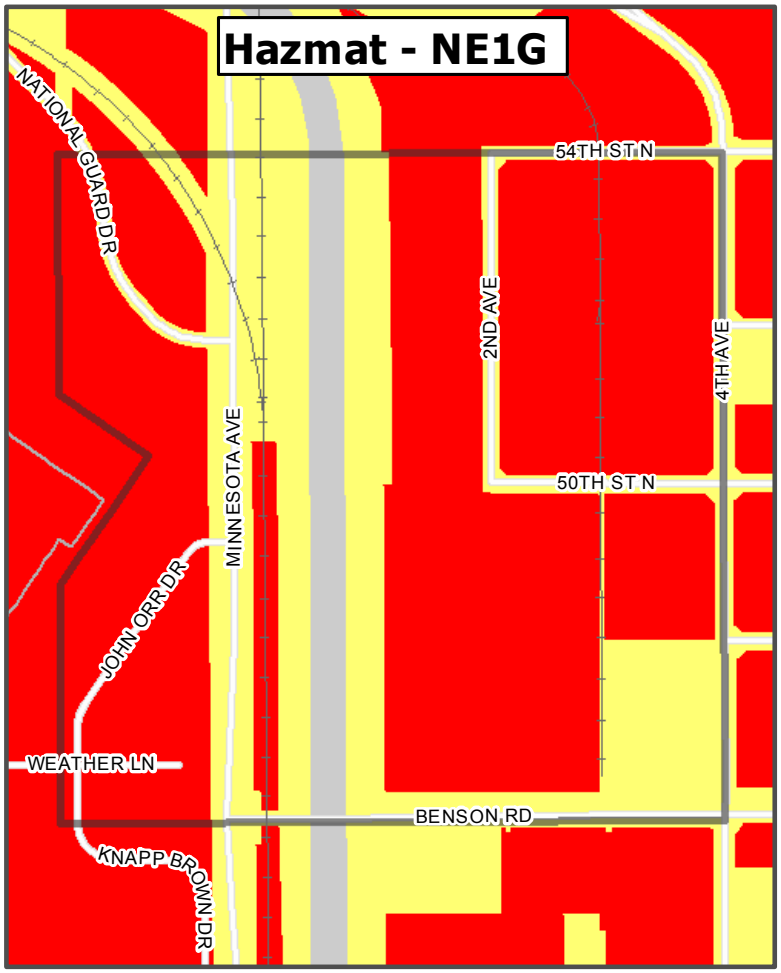
1 percent Annual Chance

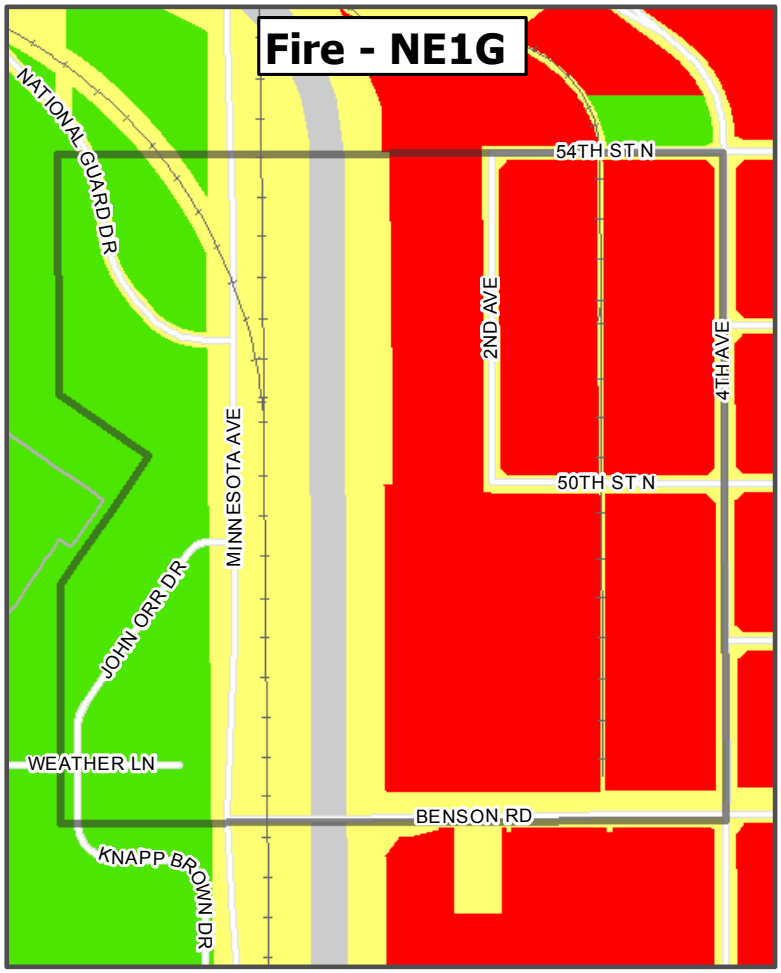












Low | Moderate | High | Special

1 inch = 763 feet

2015 Hazard/Risk Analysis by Planning Zones 1H

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	11
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Pipeline intersects this quadrant		

NE1H

Fire

Rescue

HazMat

EMS

SUB Substation

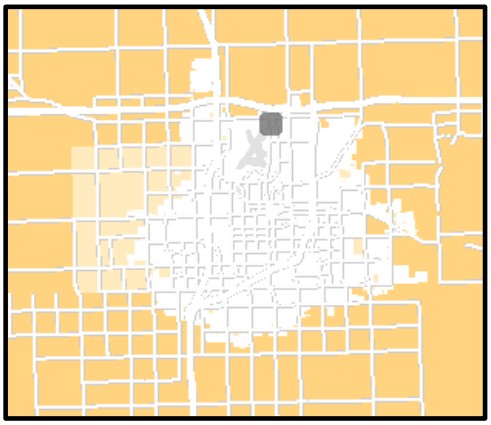
Transmission Line

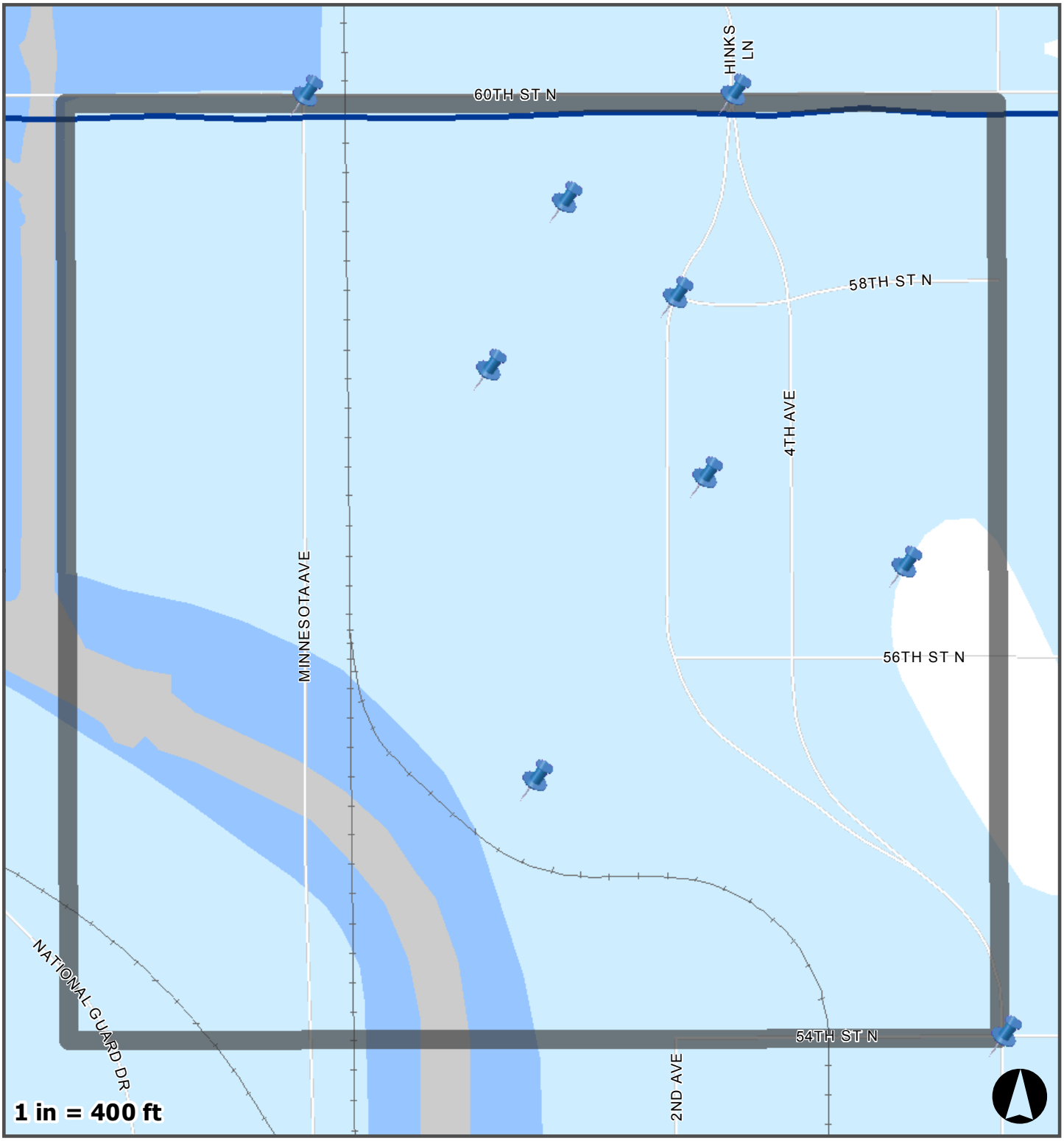
Major Gas Line

Floodplain

0.2 percent Annual Chance

1 percent Annual Chance





EMS - NE1H
Rescue - NE1H
Hazmat - NE1H
Fire - NE1H
60TH ST N
58TH ST N
56TH ST N
54TH ST N
MINNESOTA AVE
4TH AVE
2ND AVE
NATIONAL GUARD DR
Low
Moderate
High
Special
1 inch = 762 feet

2015 Hazard/Risk Analysis by Planning Zones 1I

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	2
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Pipeline intersects this quadrant		

NE1I

Fire

Rescue

HazMat

EMS

SUB Substation

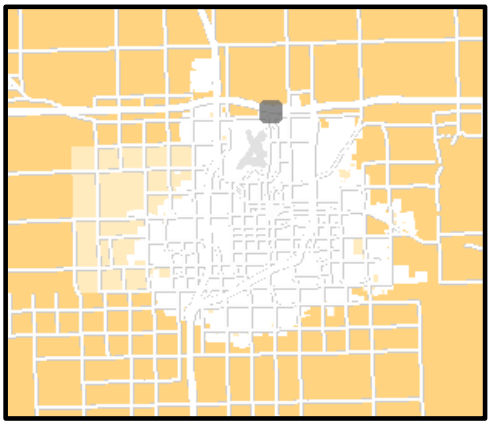
Transmission Line

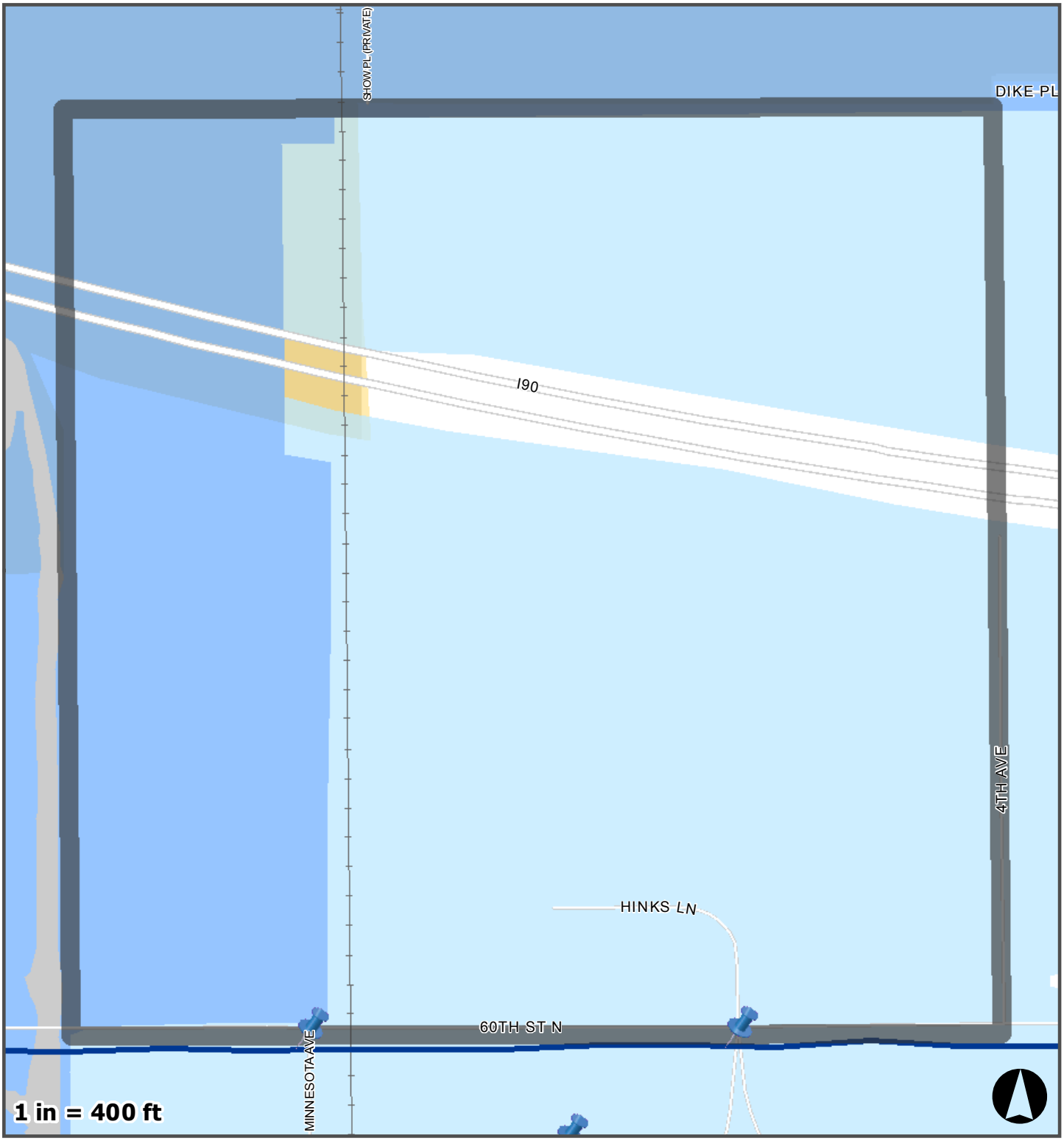
Major Gas Line

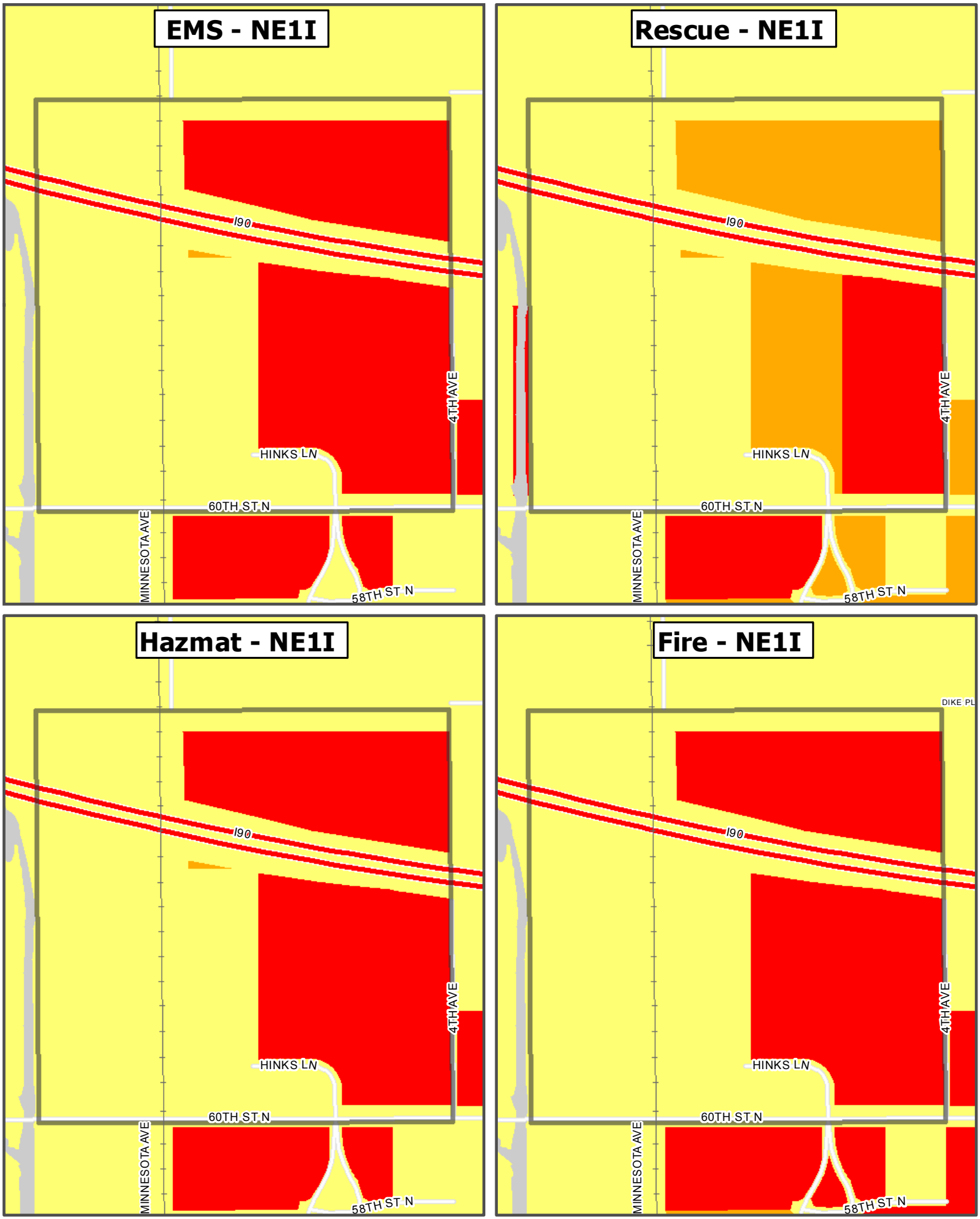
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance







Low | Moderate | High | Special

1 inch = 763 feet

2015 Hazard/Risk Analysis by Planning Zones 1J

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Pipeline intersects this quadrant		

NE1J

Fire

Rescue

HazMat

EMS

SUB Substation

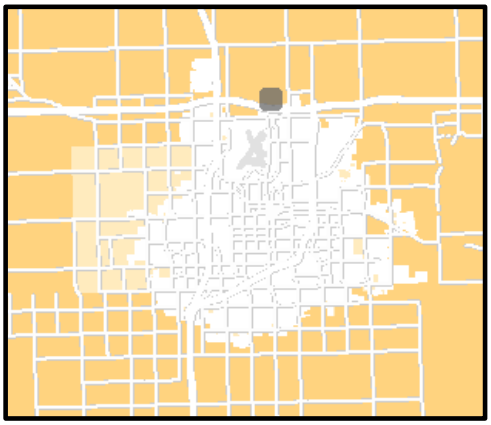
Transmission Line

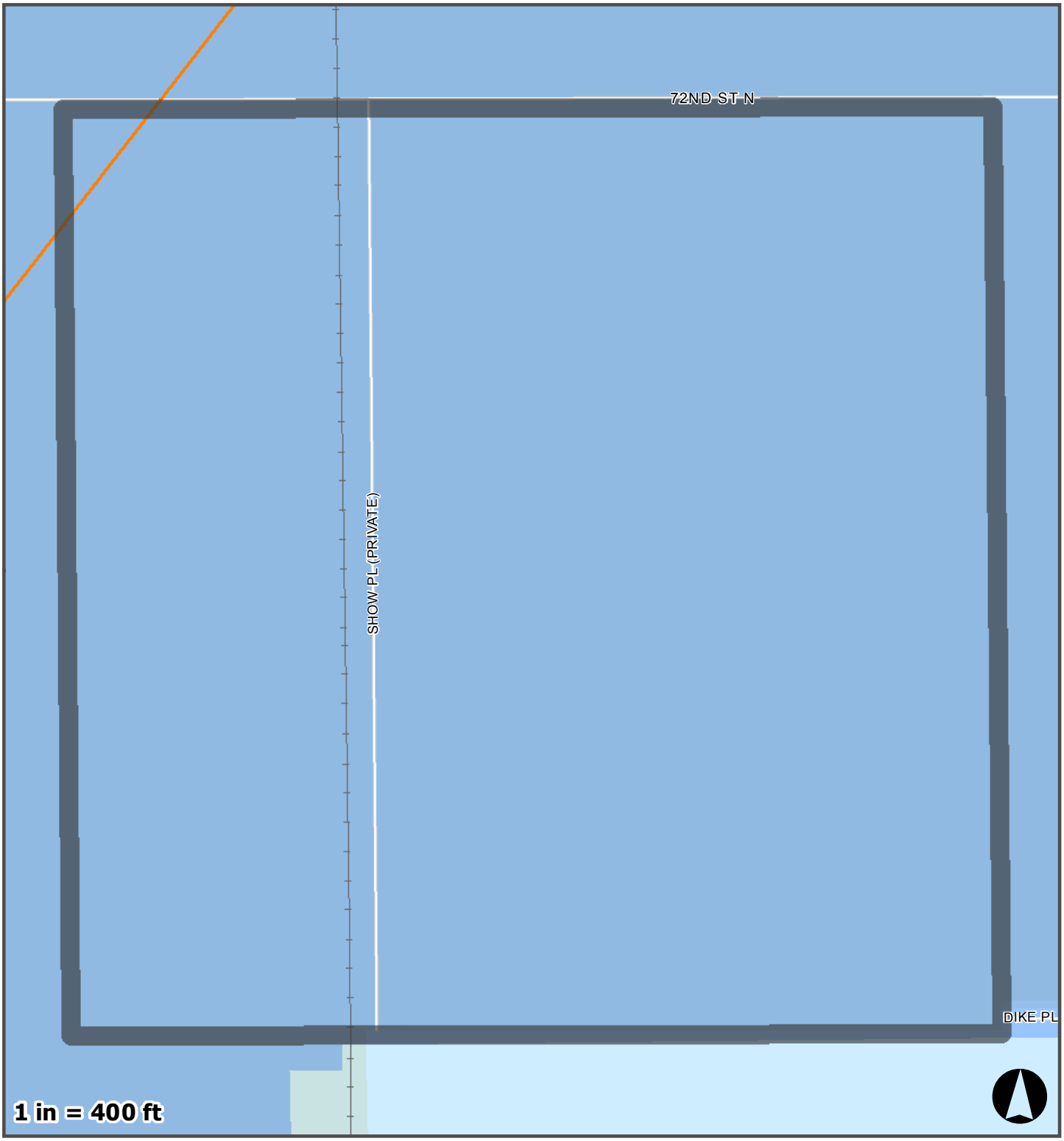
Major Gas Line

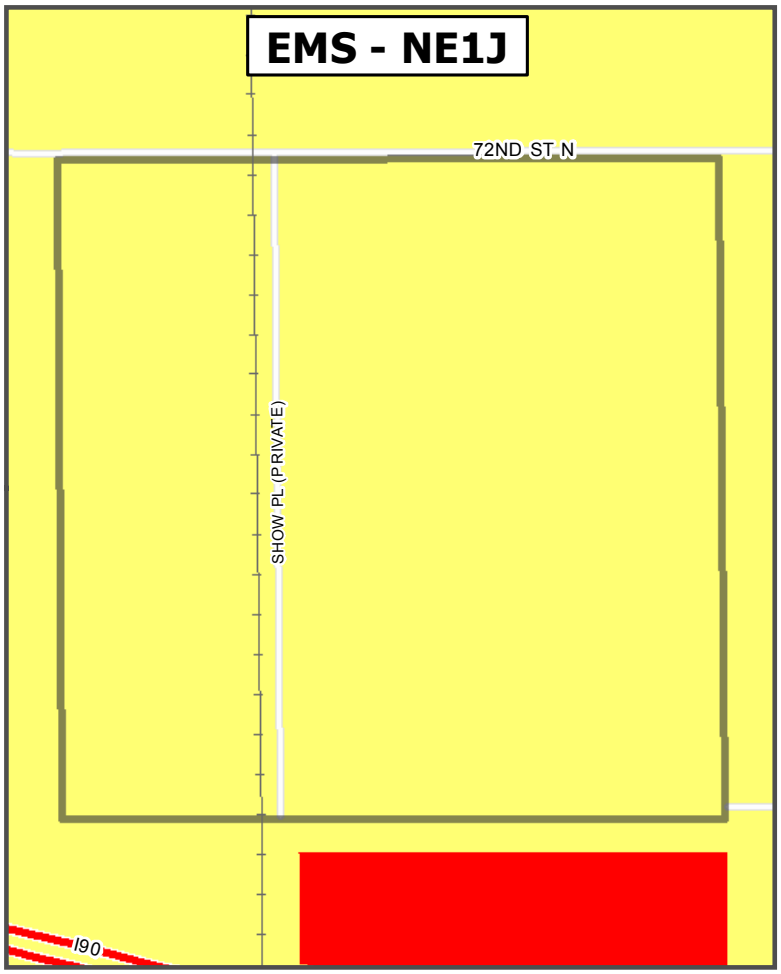
Floodplain

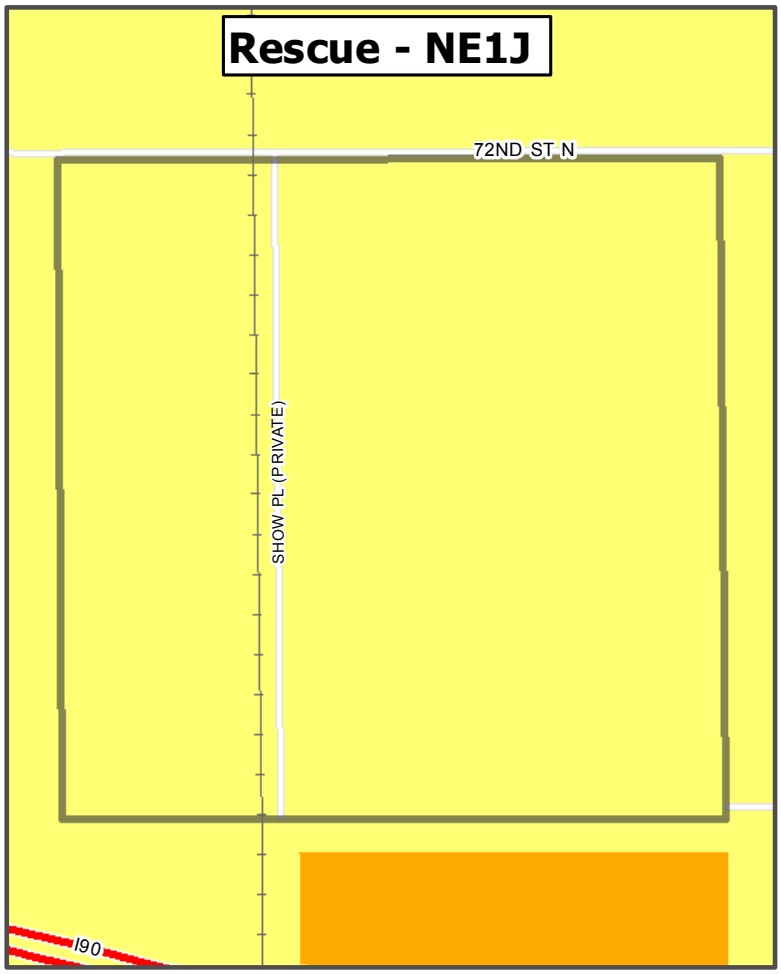
0.2 percent Annual Chance

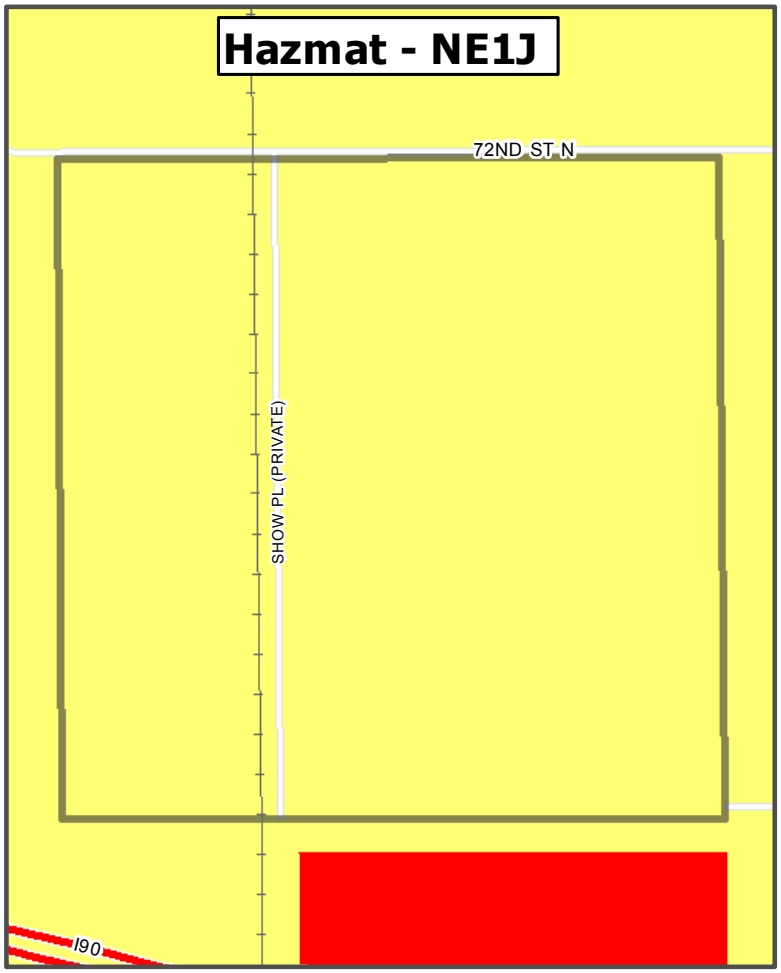
1 percent Annual Chance

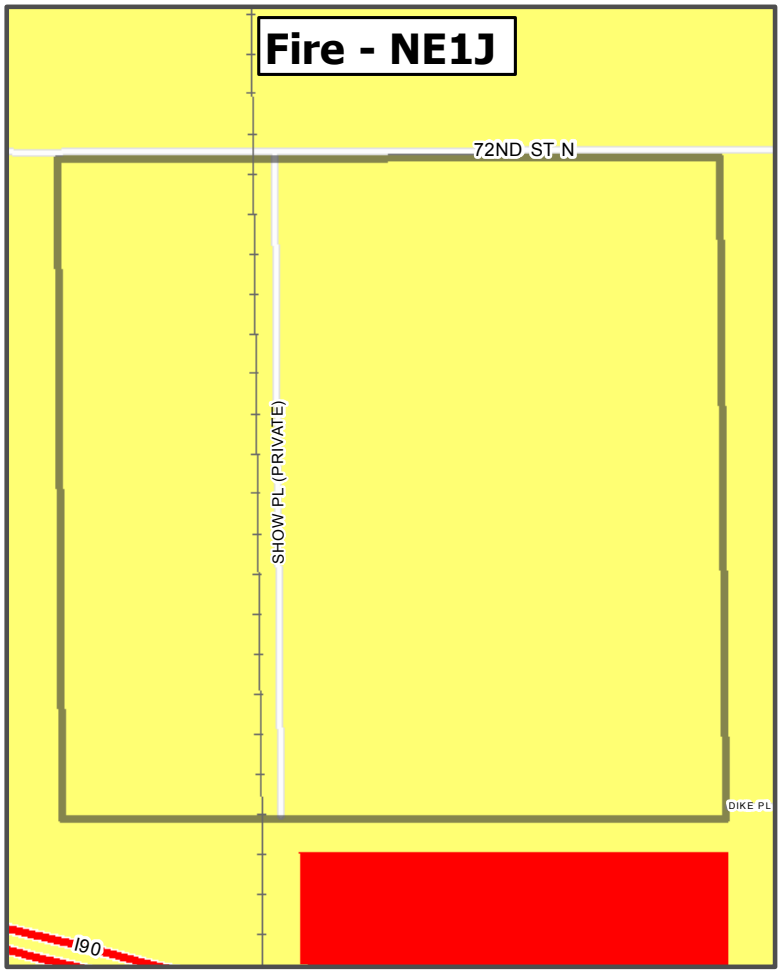












Low | Moderate | High | Special

1 inch = 762 feet

2015 Hazard/Risk Analysis by Planning Zones 2A_1

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	1
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	93
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	1
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	1
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Rail line intersects this quadrant		

NE2A_1

Fire

Rescue

HazMat

EMS

SUB Substation

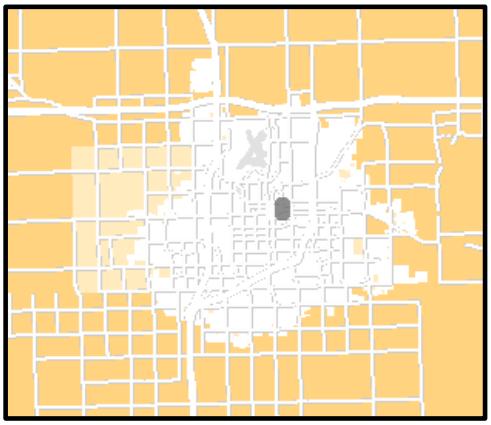
Transmission Line

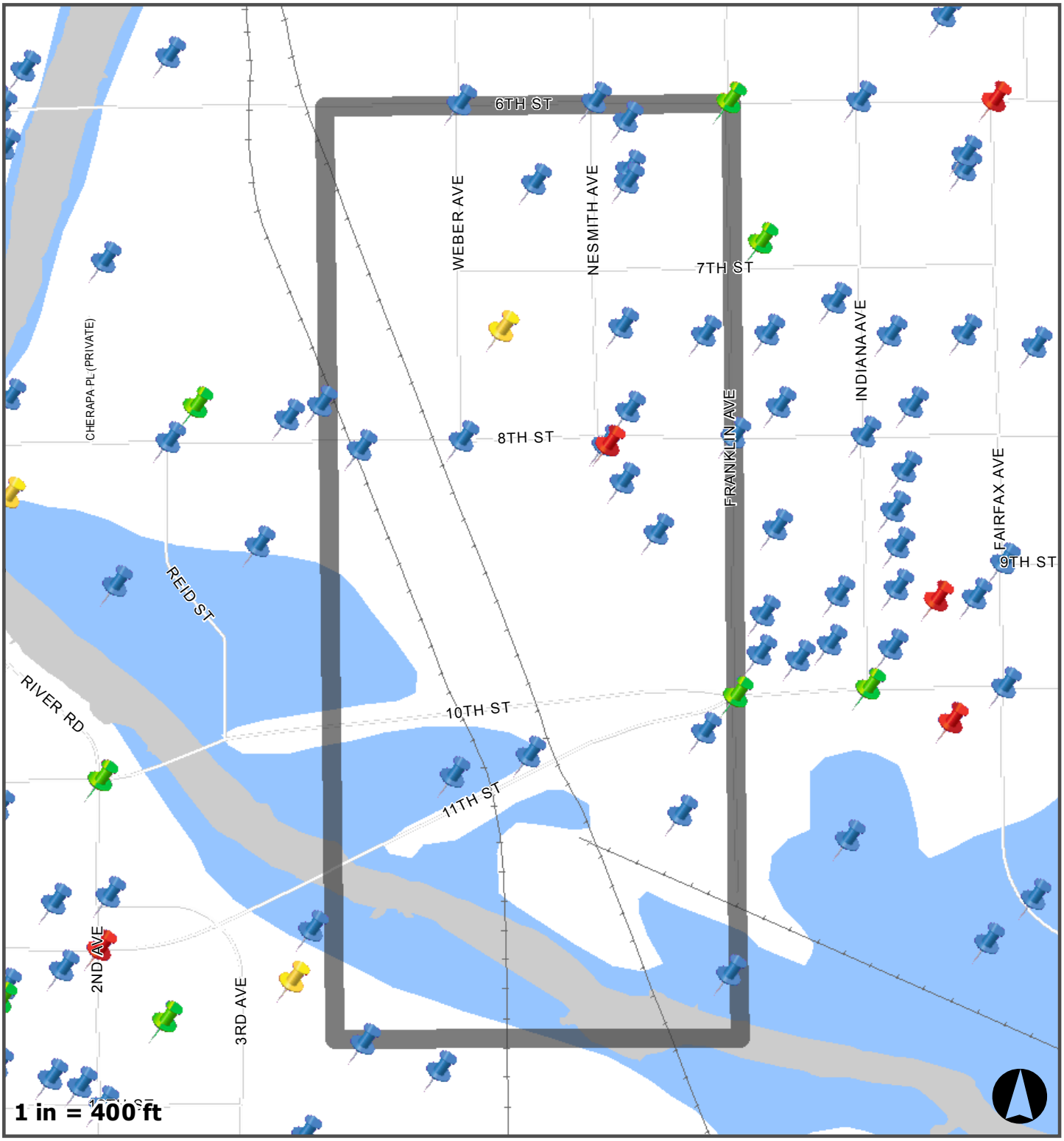
Major Gas Line

Floodplain

0.2 percent Annual Chance

1 percent Annual Chance





Low | Moderate | High | Special

1 inch = 759 feet

2015 Hazard/Risk Analysis by Planning Zones 2A_5

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	2
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	195
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	4
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Rail line intersects this quadrant		
SANFORD CANCER CENTER	Type 2	Hospital
SANFORD VANDEMARK BUILDING	Type 2	Hospital

NE2A_5

Fire

Rescue

HazMat

EMS

SUB Substation

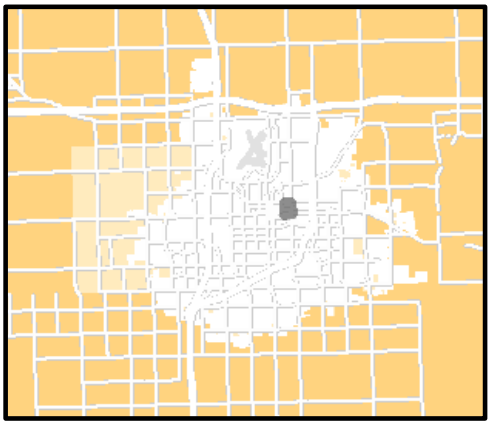
Transmission Line

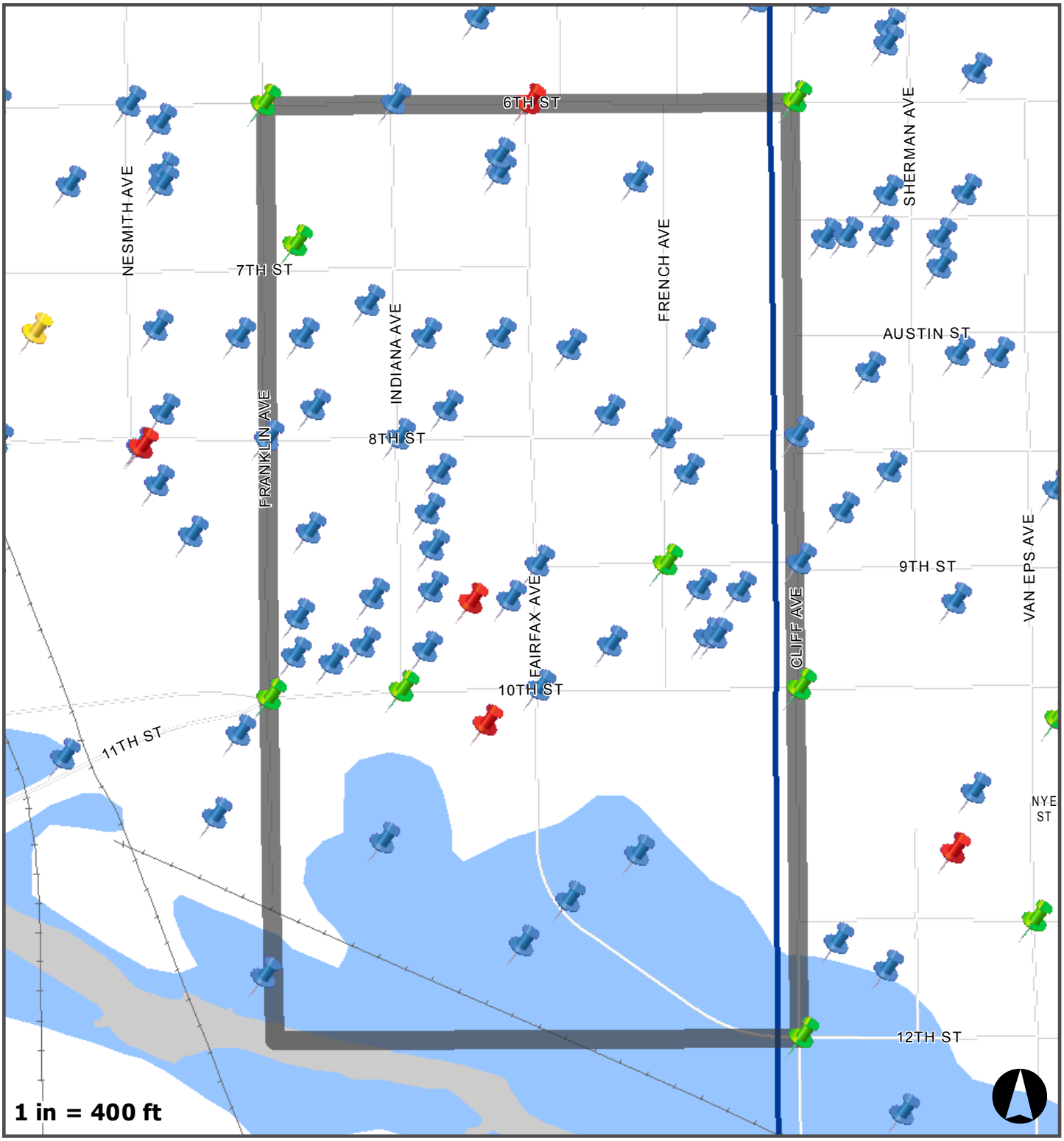
Major Gas Line

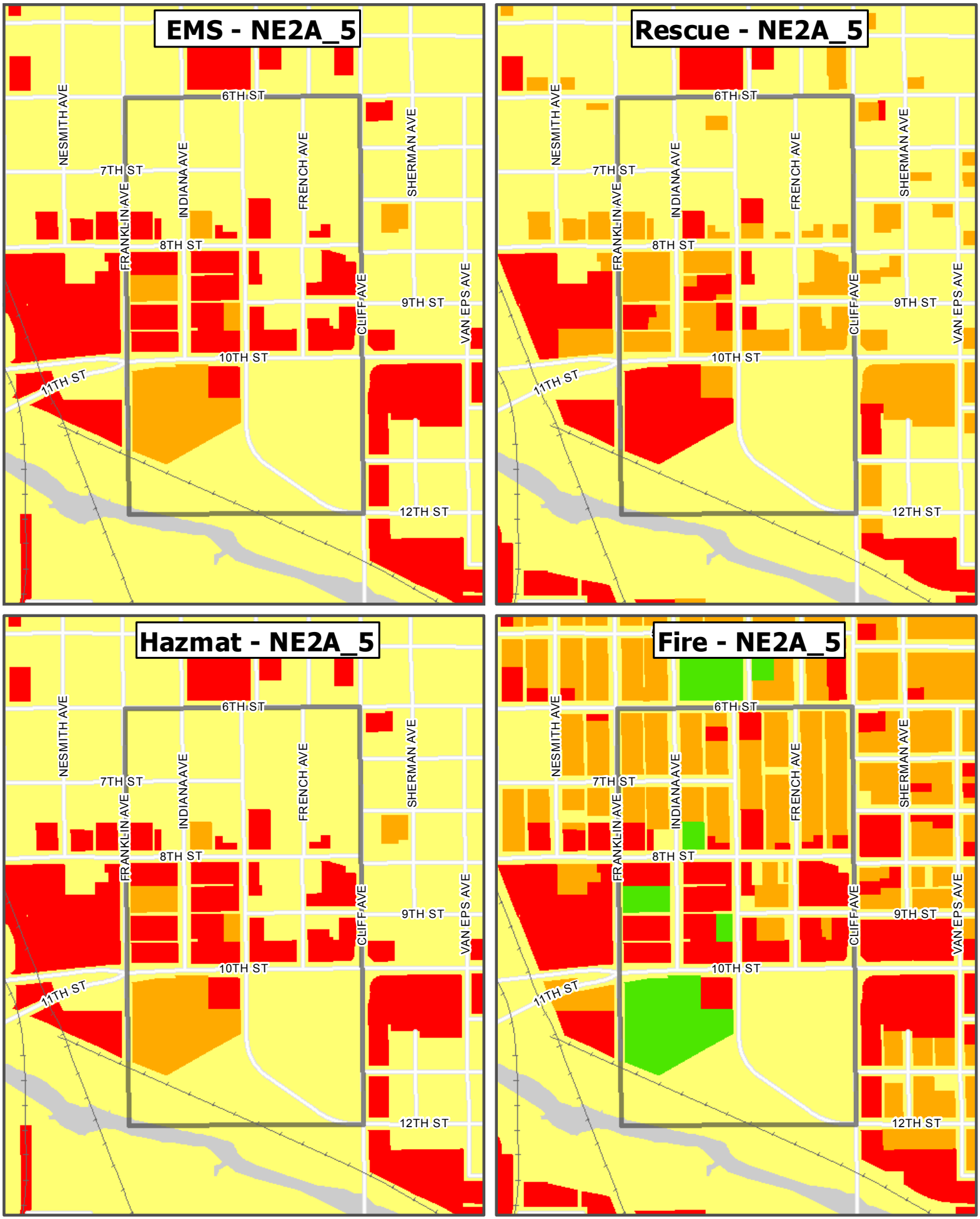
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance







Low | Moderate | High | Special

1 inch = 761 feet

2015 Hazard/Risk Analysis by Planning Zones

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	1
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	11
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	1
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	1

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	Low	Low	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	Moderate	Moderate	Low
Rail Line	Low	Moderate	Moderate	Low
High Speed MVA	Low	Moderate	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
MEDICAL BLDG 1	Type 2	Hospital
MEDICAL BLDG 2	Type 2	Business
MEDICAL BLDG 3	Type 2	Business
SANFORD SURGICAL TOWER	Type 2	Hospital
SANFORD CHILDREN'S HOSPITAL	Type 2	Hospital
SANFORD HOSPITAL	Type 2	Hospital
SF SEMINARY - 1525 SEUCLID	Type 1	School

NE2B_1

Fire

Rescue

HazMat

EMS

SUB Substation

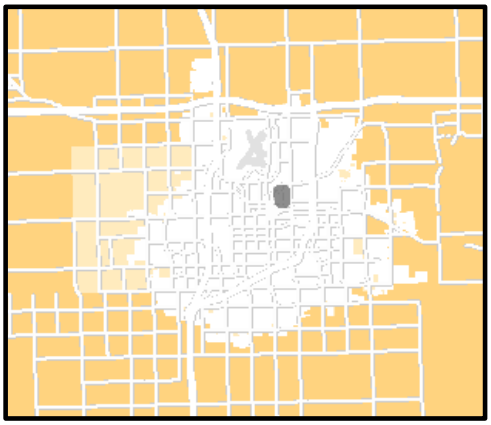
Transmission Line

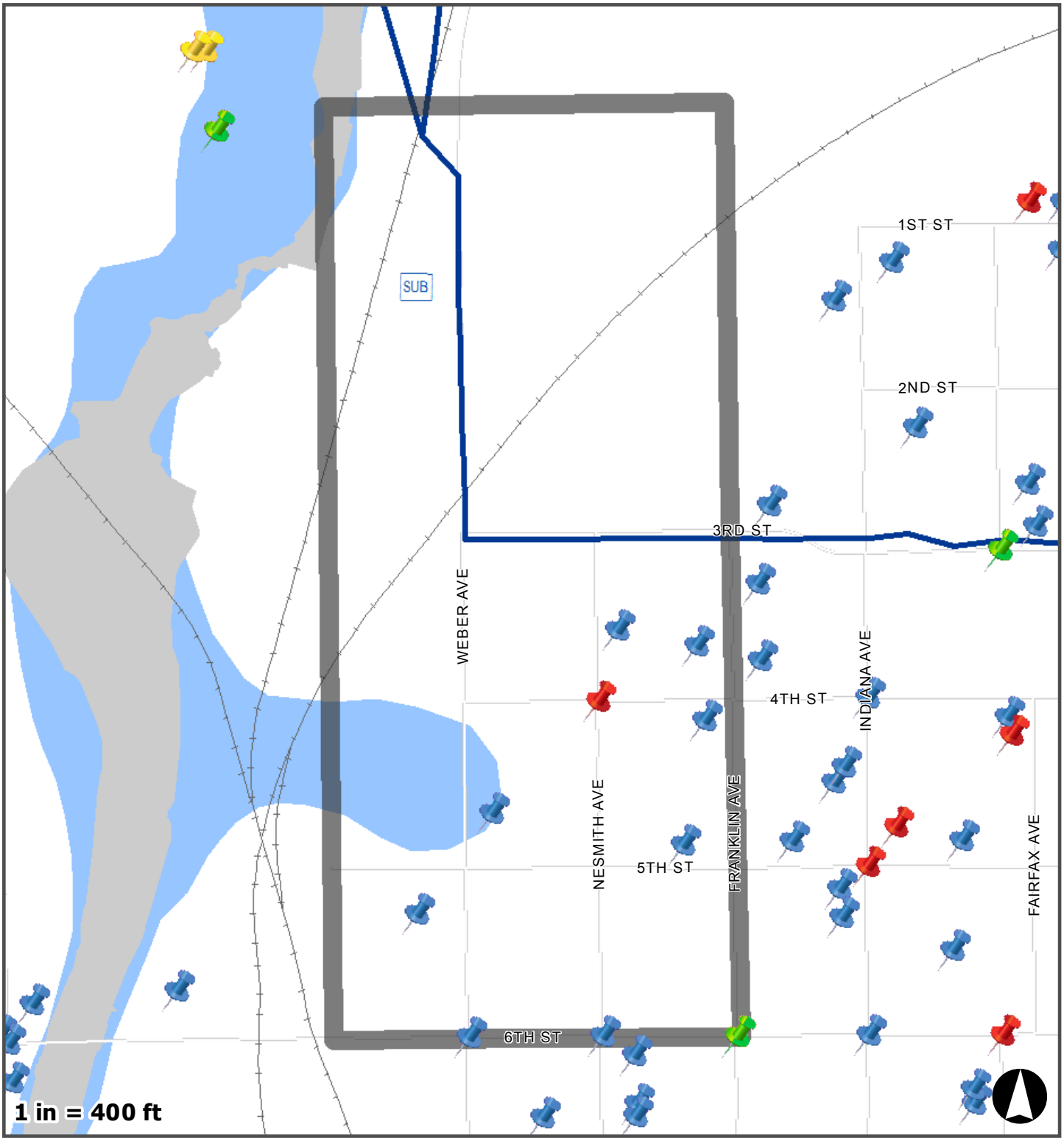
Major Gas Line

Floodplain

0.2 percent Annual Chance

1 percent Annual Chance





Low | Moderate | High | Special

1 inch = 761 feet

2015 Hazard/Risk Analysis by Planning Zones 2B-5

Frequency of Fires	
Residential	2
Commercial	0
Vehicle	1
Wildland/Brush	0
Trash	2
Miscellaneous	1

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	42
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	1
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	Low	Low	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	Moderate	Moderate	Low
Rail Line	Low	Moderate	Moderate	Low
High Speed MVA	Low	Moderate	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
SF SEMINARY ZIMBLEMAN CENTER	Type 1	School
JEFFERSON ELEMENTARY	Type 1	School

NE2B_5

Fire

Rescue

HazMat

EMS

SUB Substation

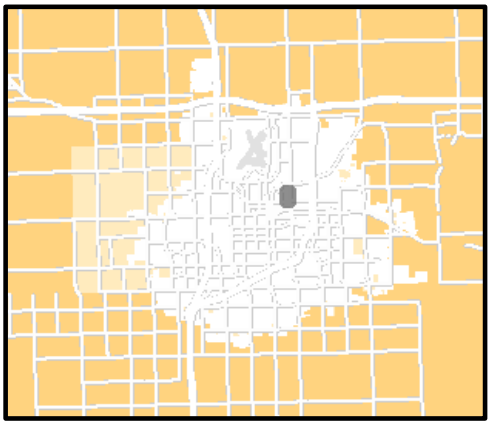
Transmission Line

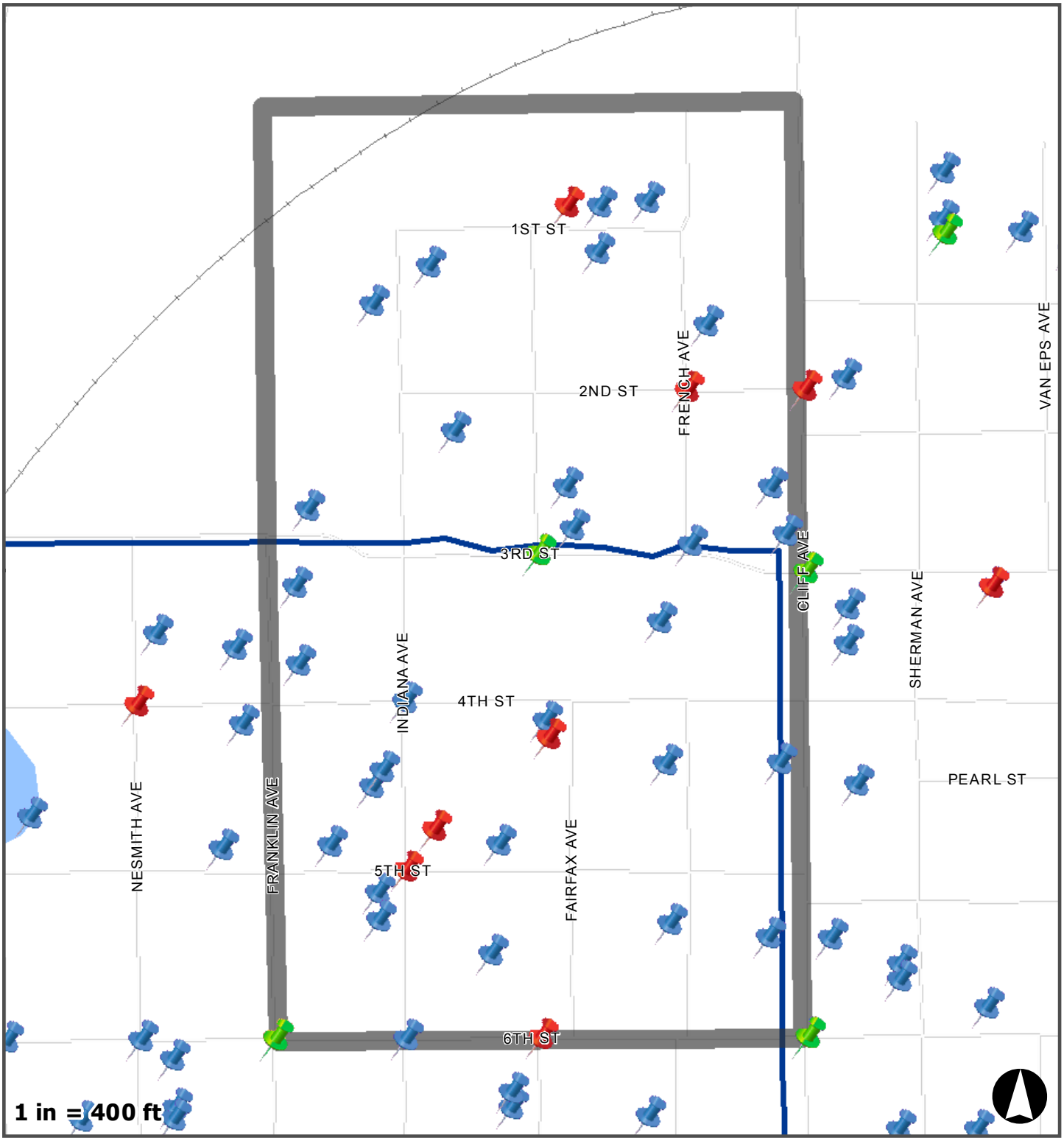
Major Gas Line

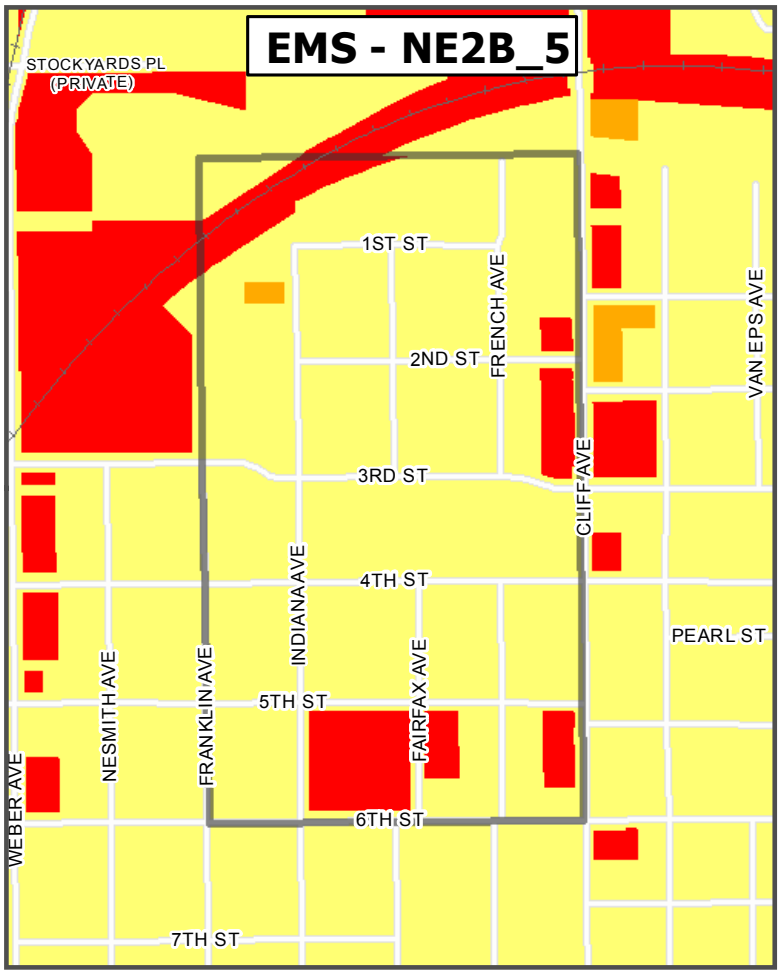
Floodplain

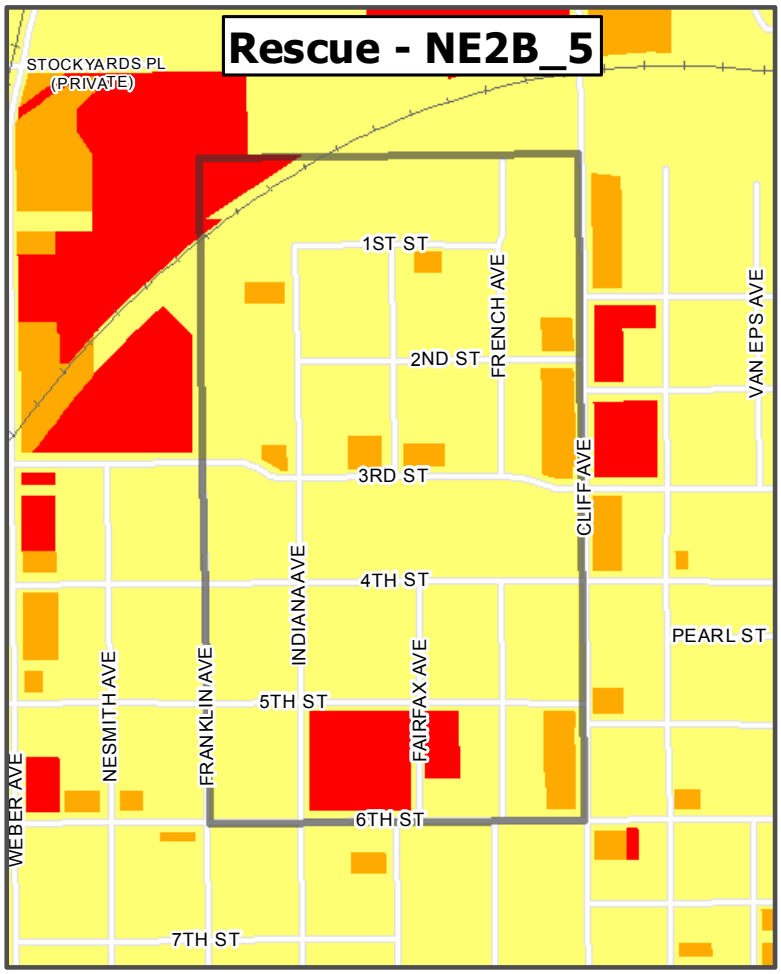
0.2 percent Annual Chance

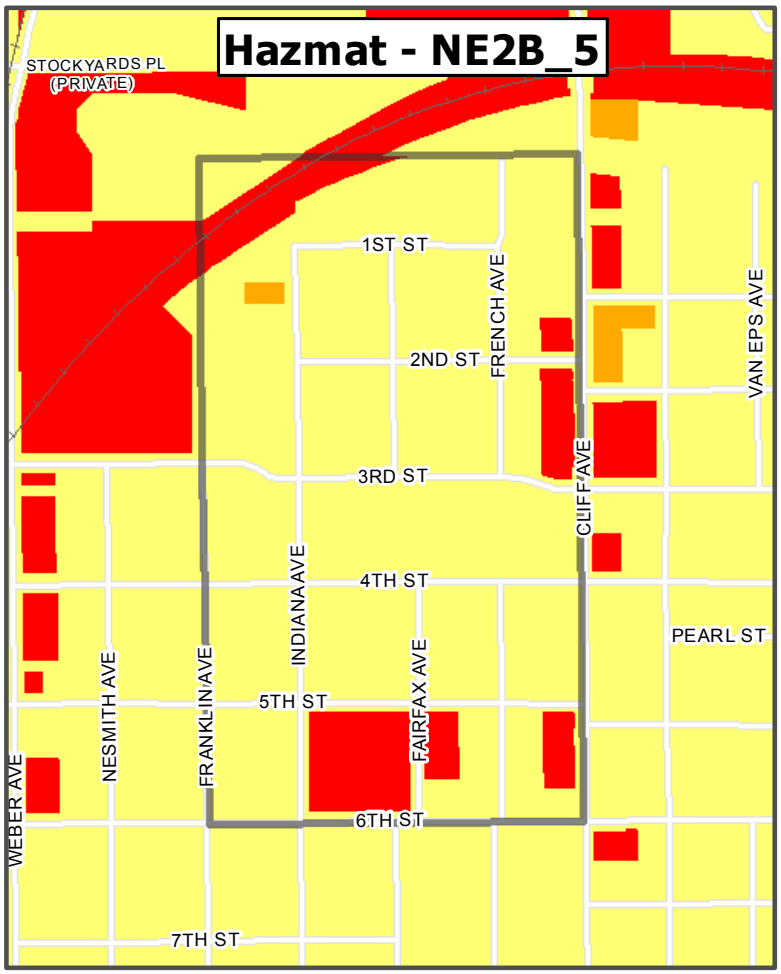
1 percent Annual Chance

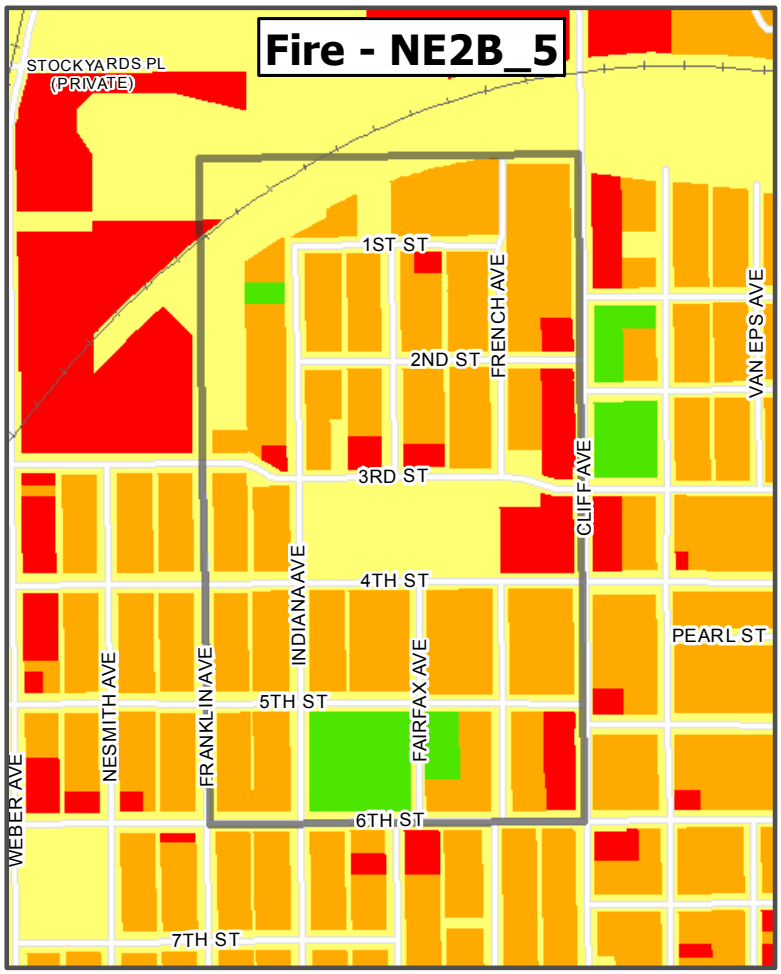












Low | Moderate | High | Special

1 inch = 763 feet

2015 Hazard/Risk Analysis by Planning Zones 2C

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	3
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	41
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	7
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
AUGUSTANANORSE INN	Type 1	College
AUGUSTANACOSTELLO HALL	Type 1	College
CHRIST THE KING SCHOOL	Type 1	School
EDISON MIDDLE SCHOOL	Type 1	School

NE2C

Fire

Rescue

HazMat

EMS

SUB Substation

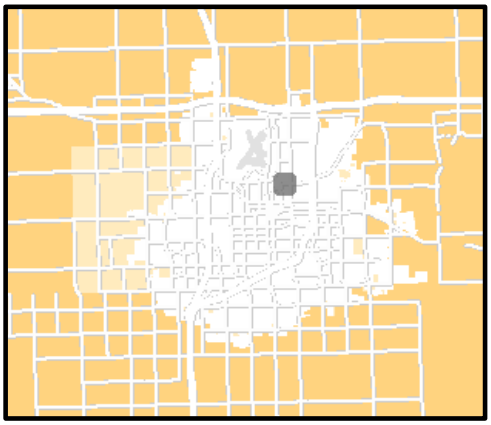
Transmission Line

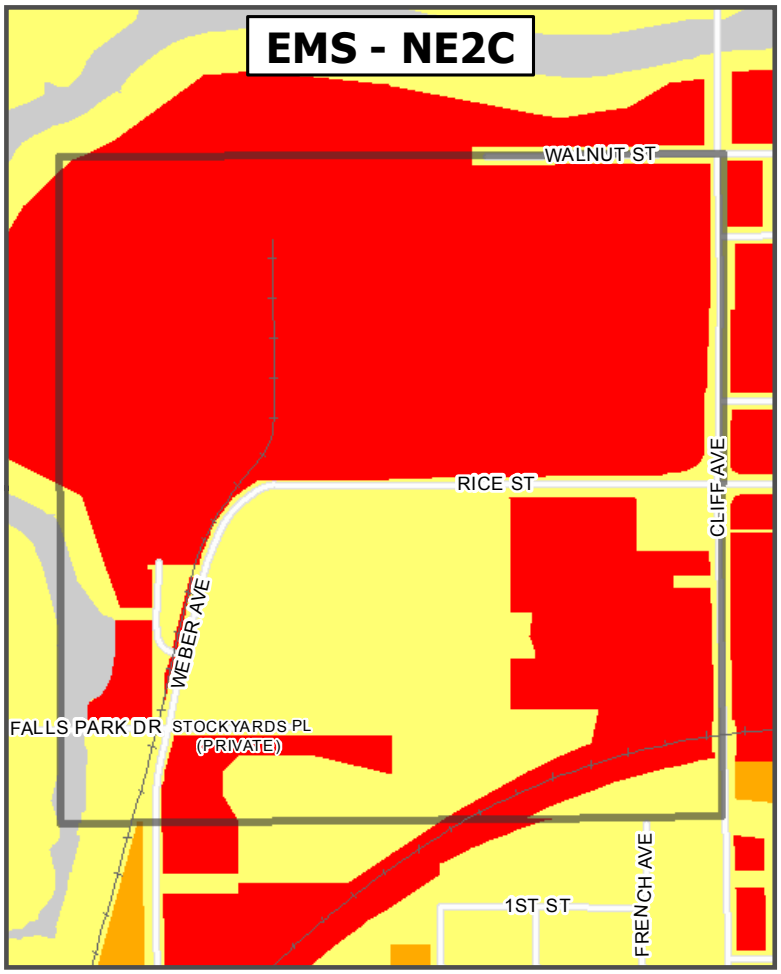
Major Gas Line

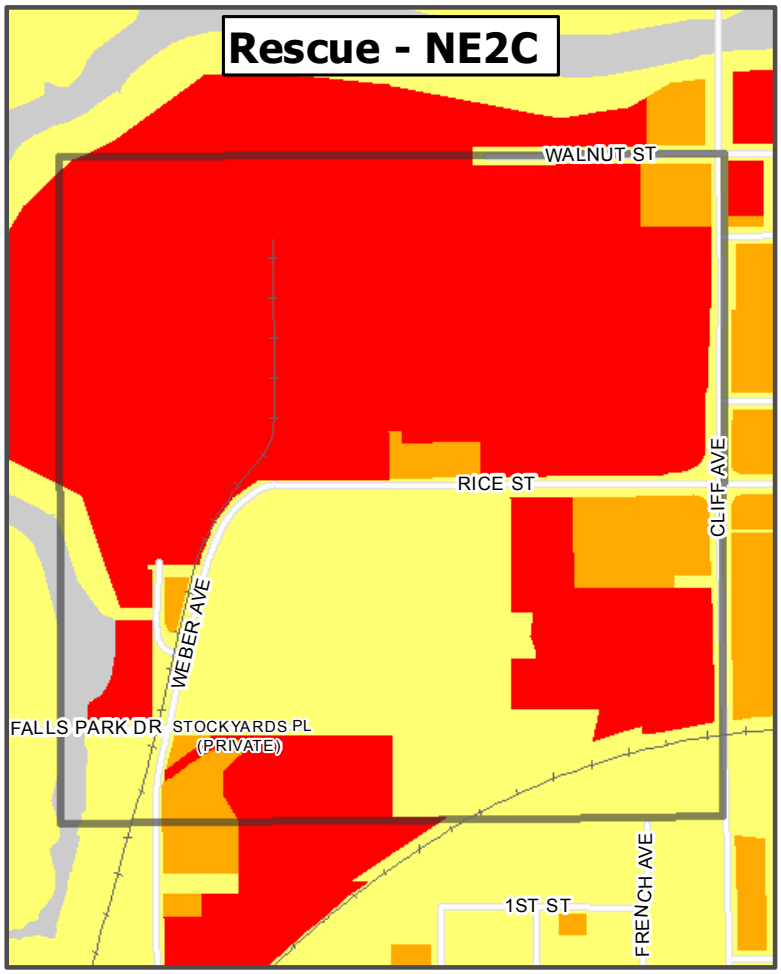
Floodplain

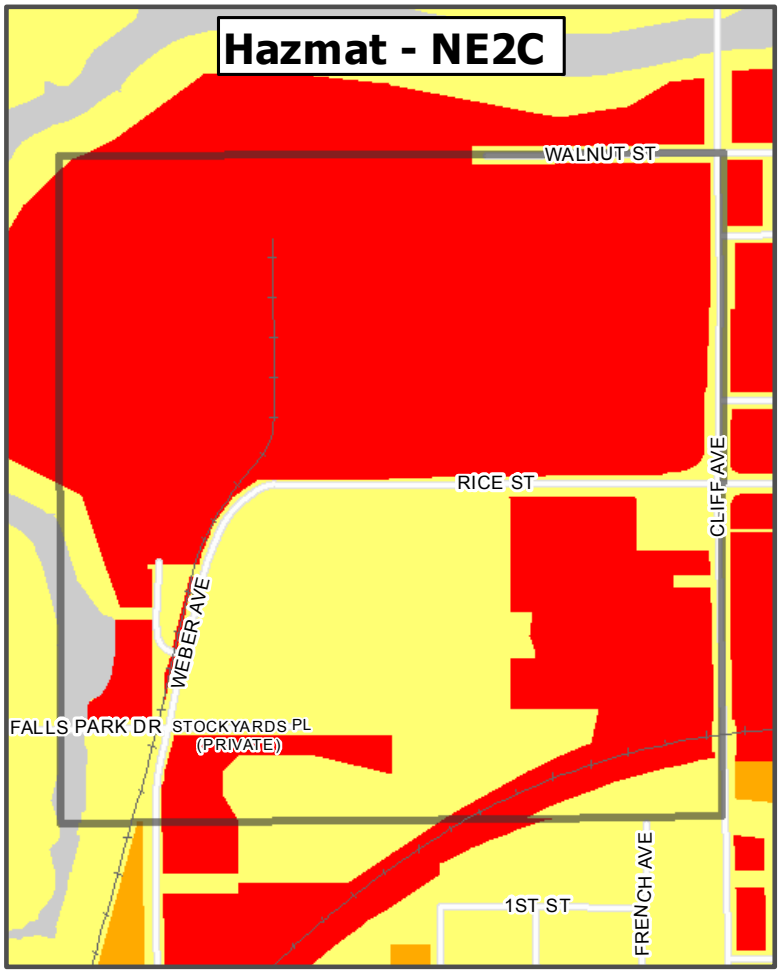
0.2 percent Annual Chance

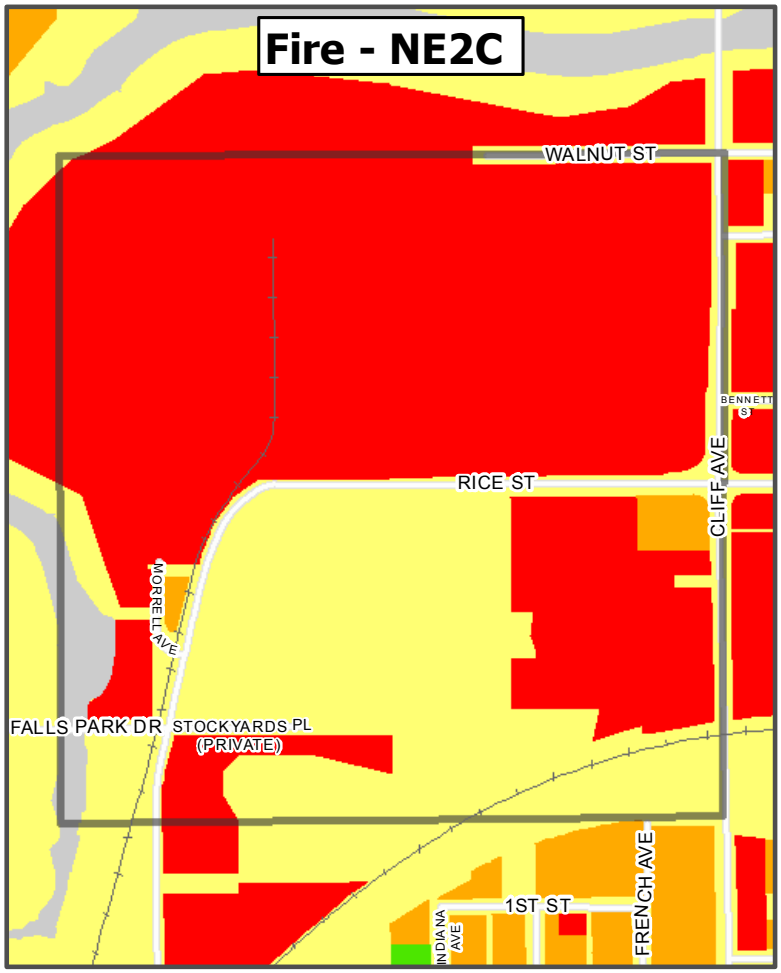
1 percent Annual Chance











Low | Moderate | High | Special

1 inch = 766 feet

2015 Hazard/Risk Analysis by Planning Zones 2D

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	3
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
AUGUSTANA ELMEN SPORTS CTR	Type 1	College
LUTHER MANOR	Type 1	Nursing Home

NE2D

Fire

Rescue

HazMat

EMS

SUB Substation

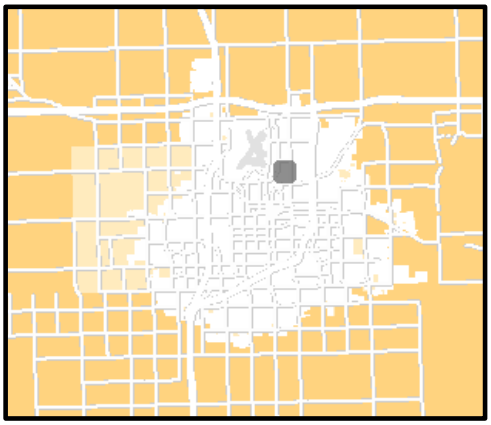
Transmission Line

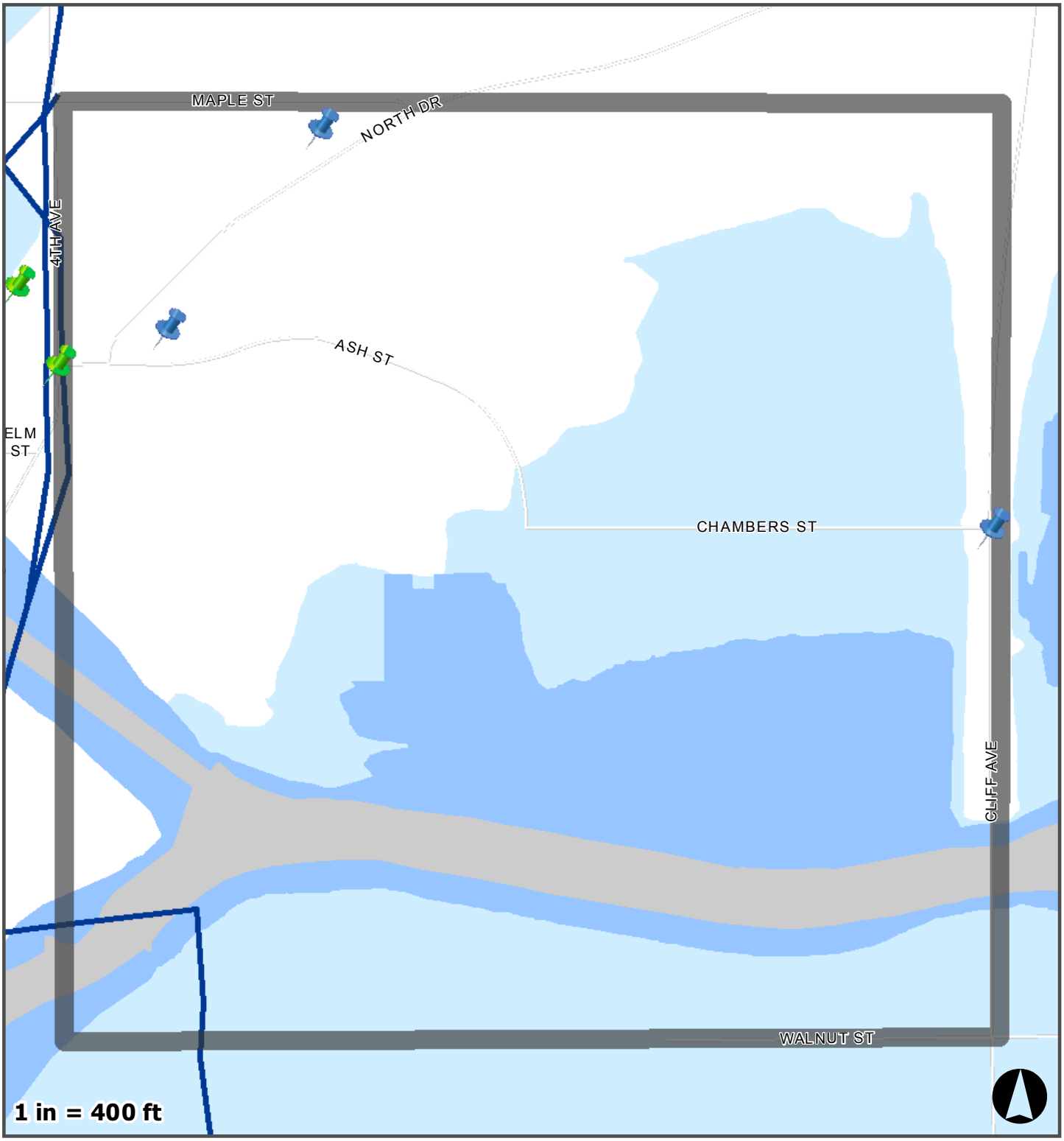
Major Gas Line

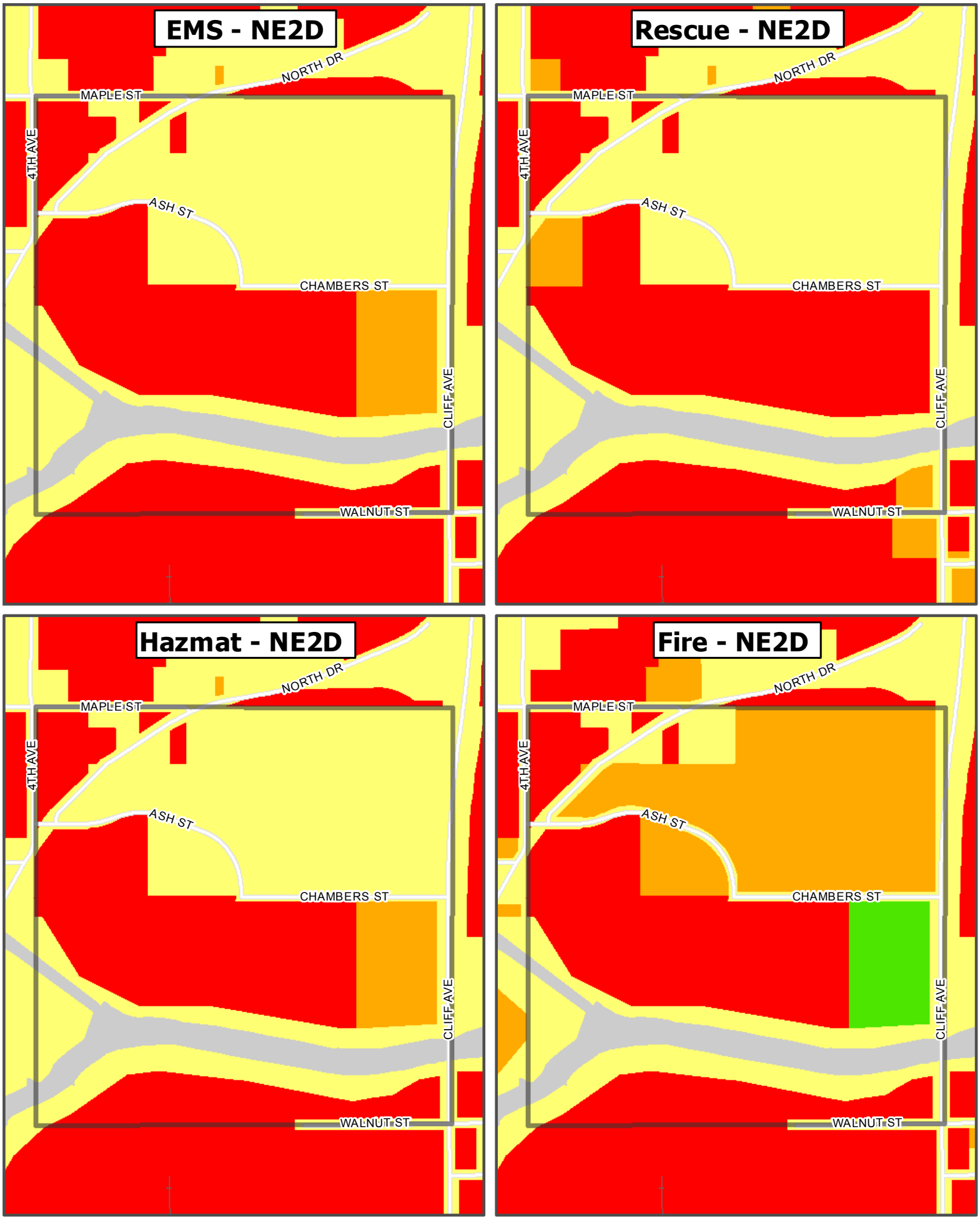
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance






EMS - NE2D
Rescue - NE2D
Hazmat - NE2D
Fire - NE2D
NORTH DR
MAPLE ST
4TH AVE
ASH ST
CHAMBERS ST
CLIFF AVE
WALNUT ST
Low
Moderate
High
Special
1 inch = 763 feet

2015 Hazard/Risk Analysis by Planning Zones 2E

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	3
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 5% of this quadrant lies in the flood plain (Big Sioux)		
Pipeline intersects this quadrant		
NUSTAR PIPELINE	Type 4	Tank Farm

NE2E

Fire

Rescue

HazMat

EMS

SUB Substation

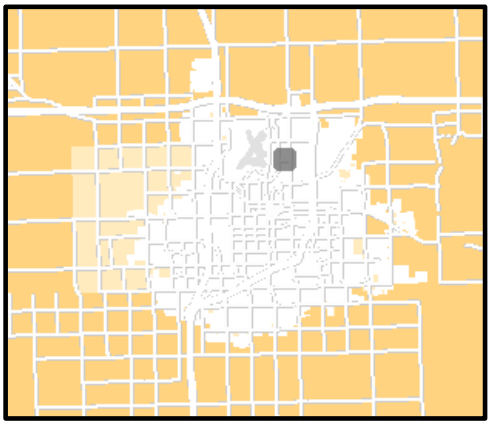
Transmission Line

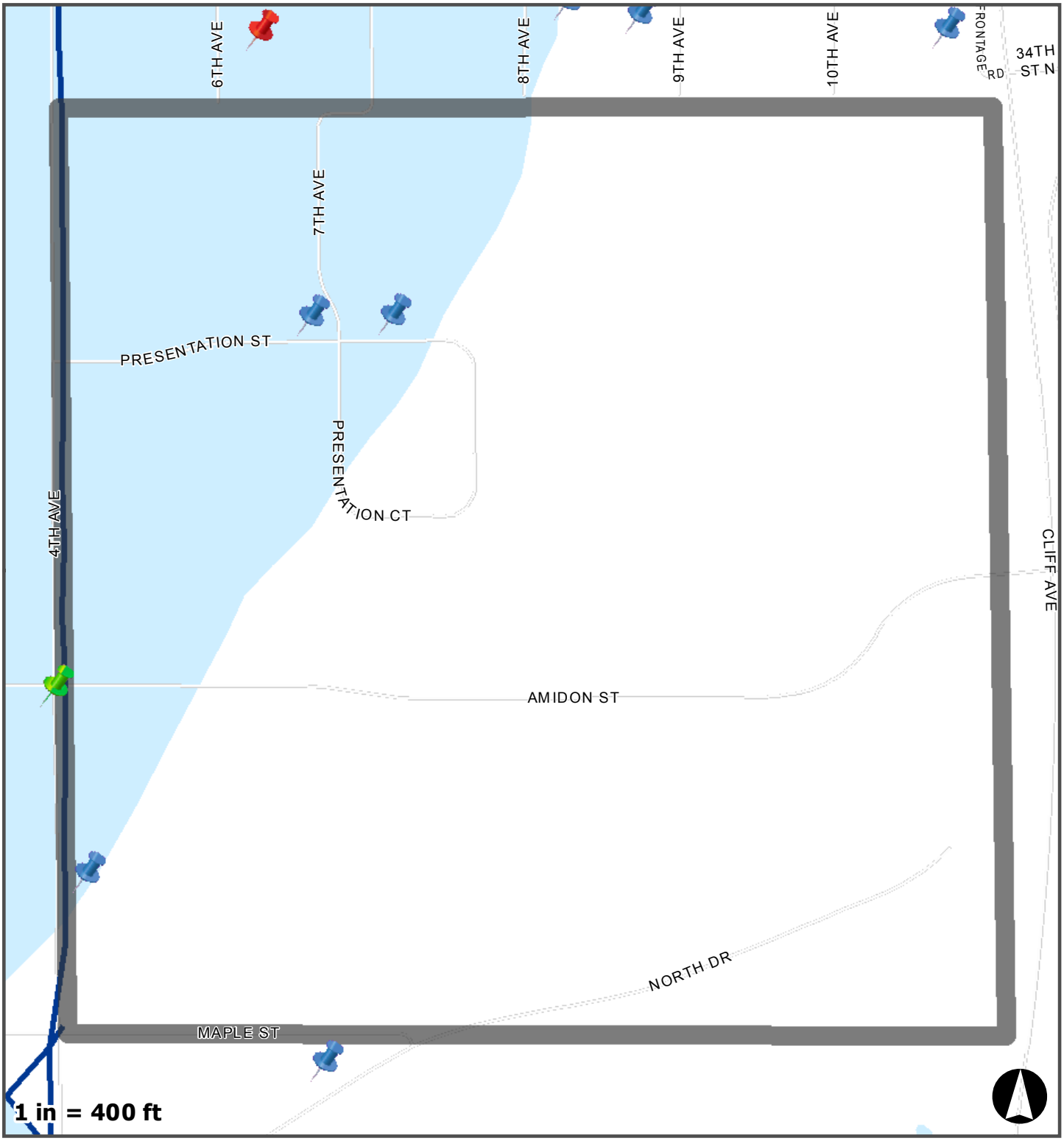
Major Gas Line

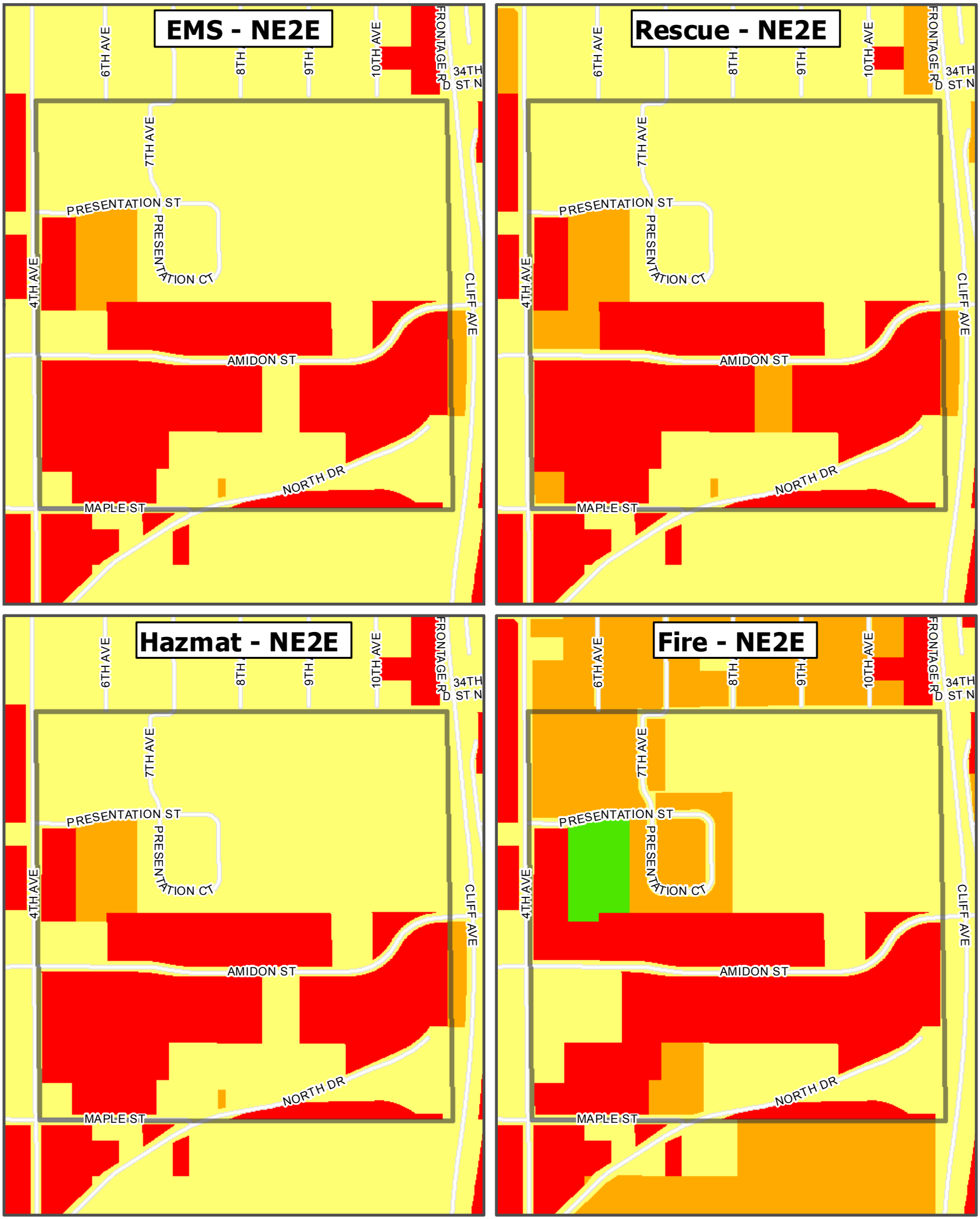
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance







Low | Moderate | High | Special

1 inch = 771 feet

2015 Hazard/Risk Analysis by Planning Zones 2F

Frequency of Fires	
Residential	1
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	1
Miscellaneous	1

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	41
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	1
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 60% of this quadrant lies in the flood plain (Big Sioux)		
Interstate highway intersects this quadrant		
Pipeline intersects this quadrant		
WORK RELEASE CENTER	Type 2	Correctional Facility
SD ACHIEVE	Type 1	School

NE2F

Fire

Rescue

HazMat

EMS

SUB Substation

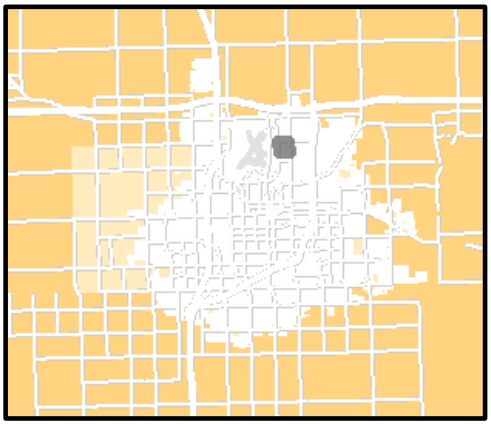
Transmission Line

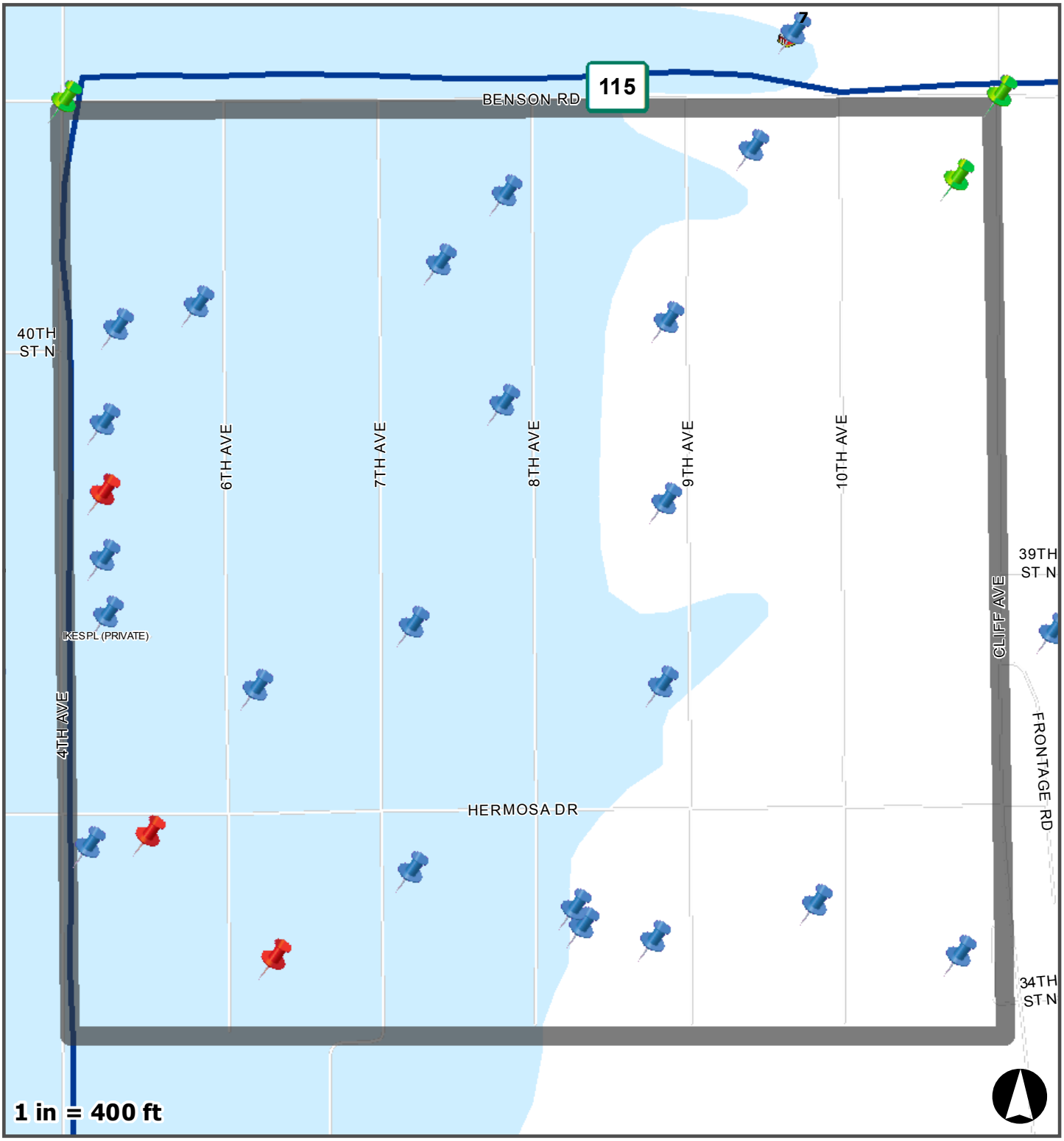
Major Gas Line

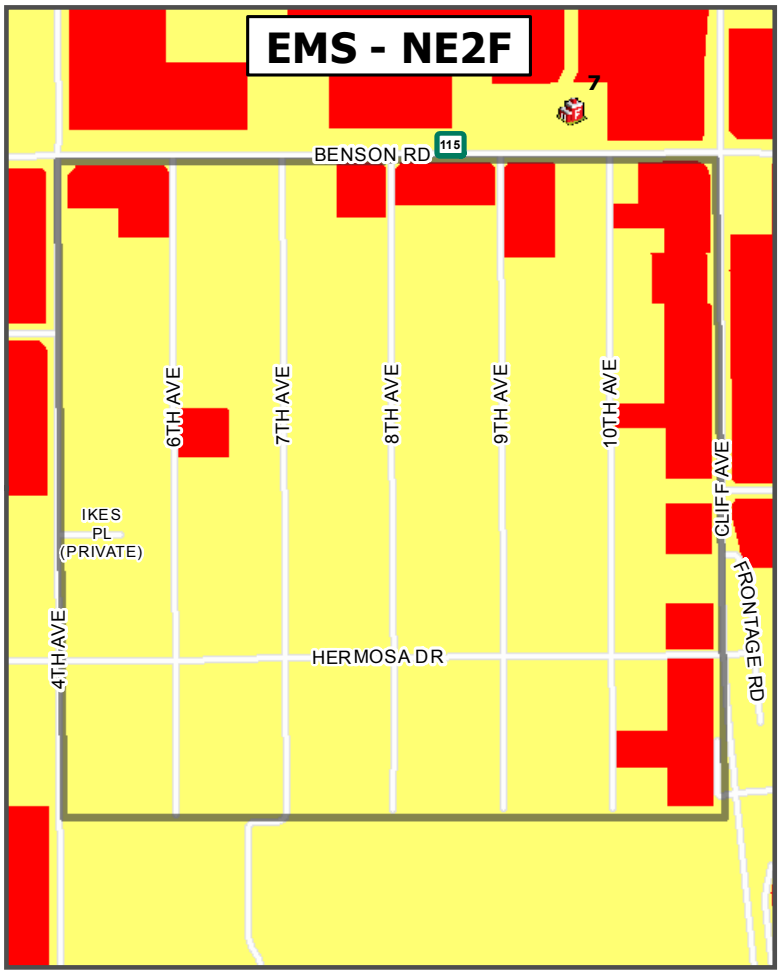
Floodplain

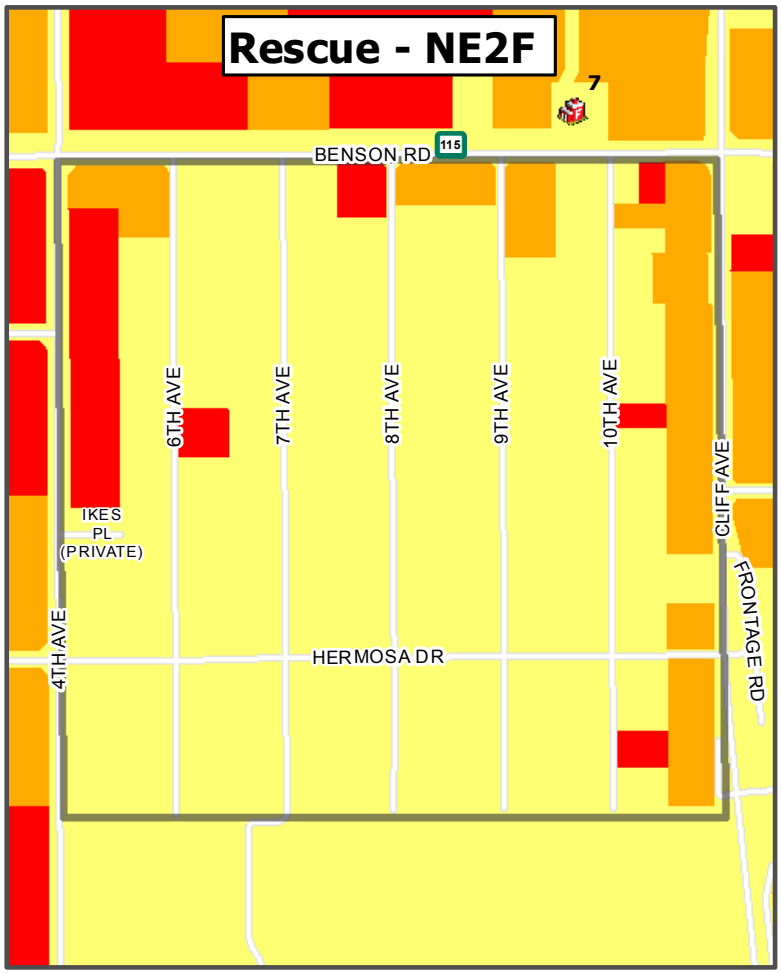
0.2 percent Annual Chance

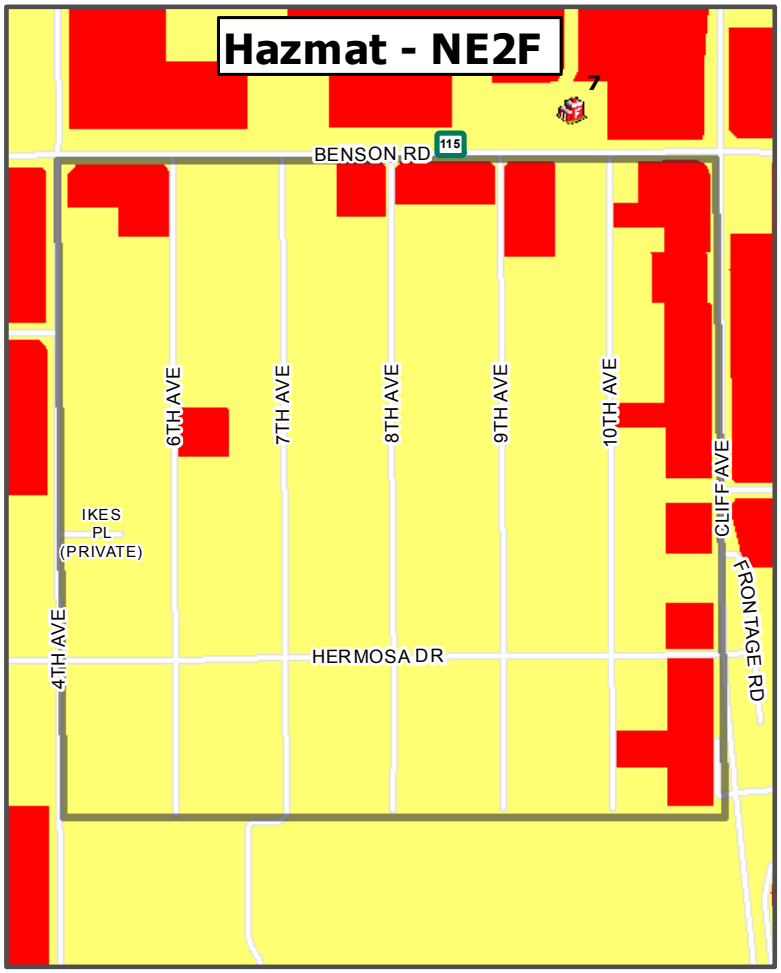
1 percent Annual Chance











Low | Moderate | High | Special

1 inch = 768 feet

2015 Hazard/Risk Analysis by Planning Zones 2G

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	25
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	1
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 5% of this quadrant lies in the flood plain (Big Sioux)		
Pipeline intersects this quadrant		

NE2G

Fire

Rescue

HazMat

EMS

SUB Substation

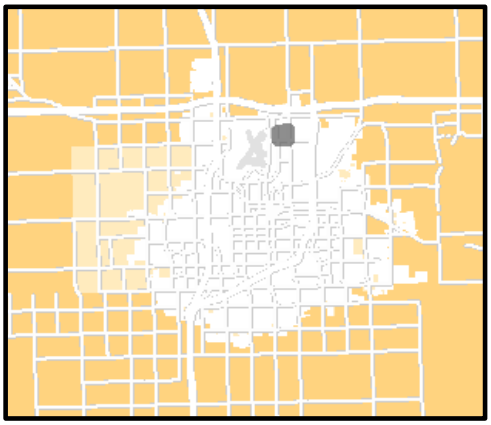
Transmission Line

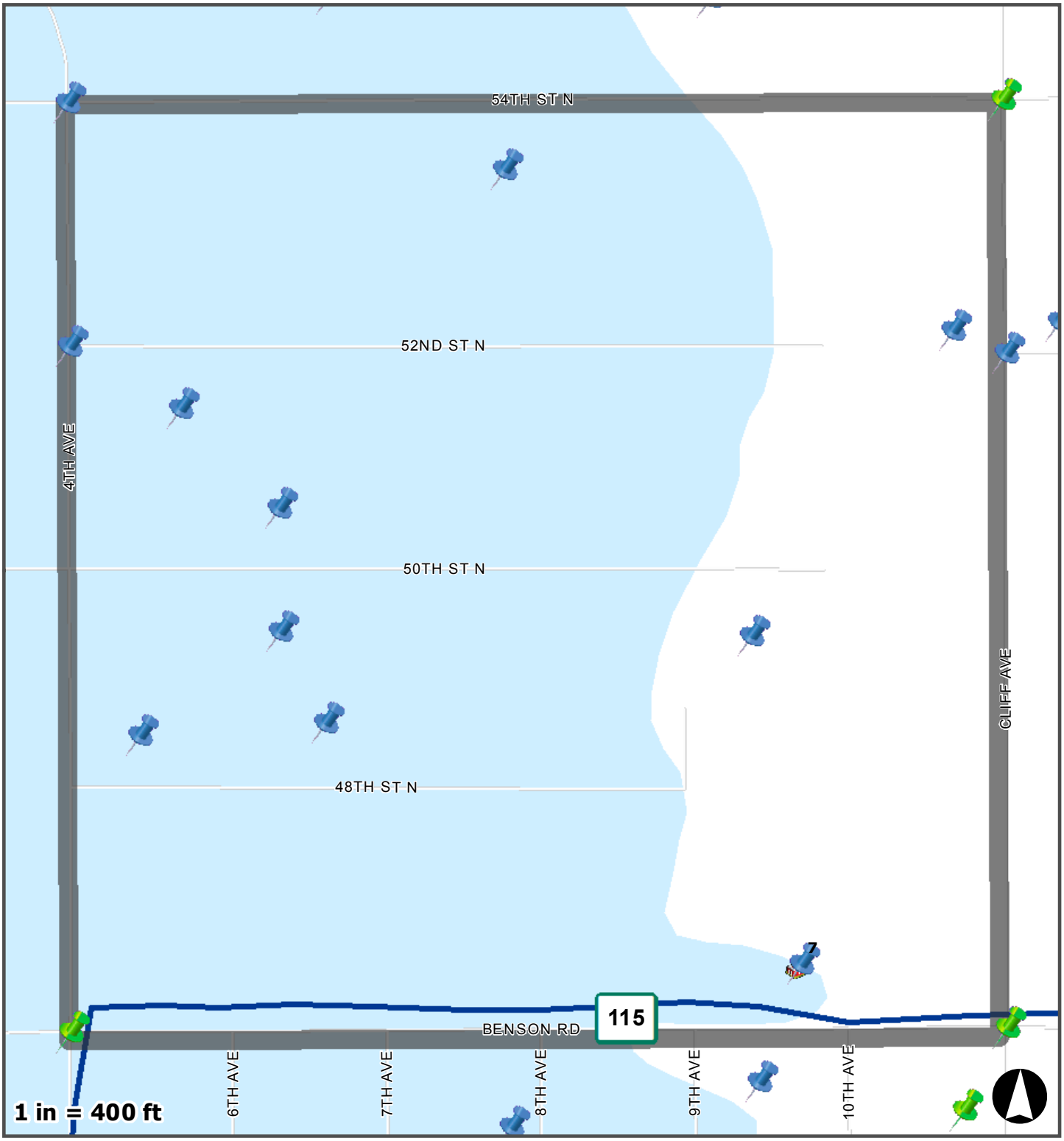
Major Gas Line

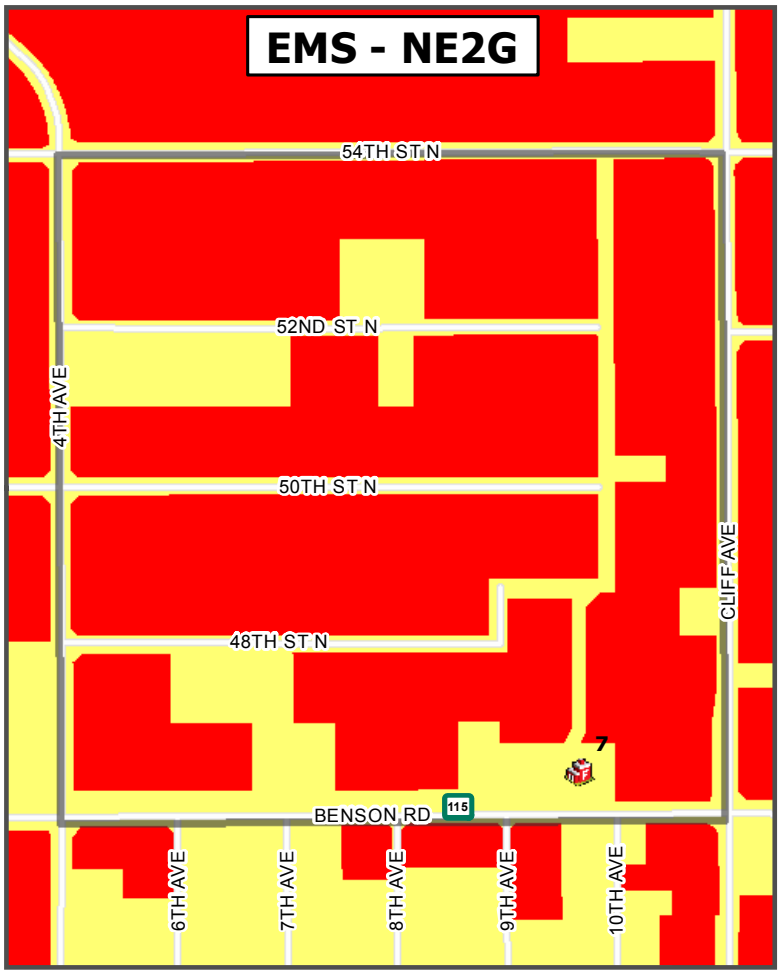
Floodplain

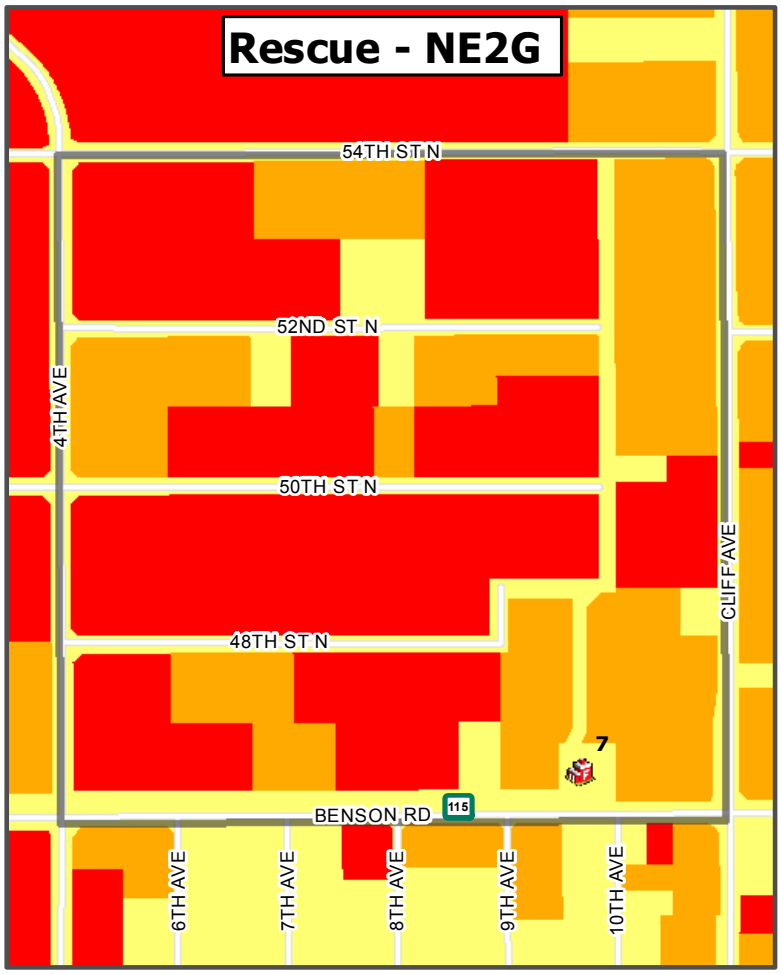
0.2 percent Annual Chance

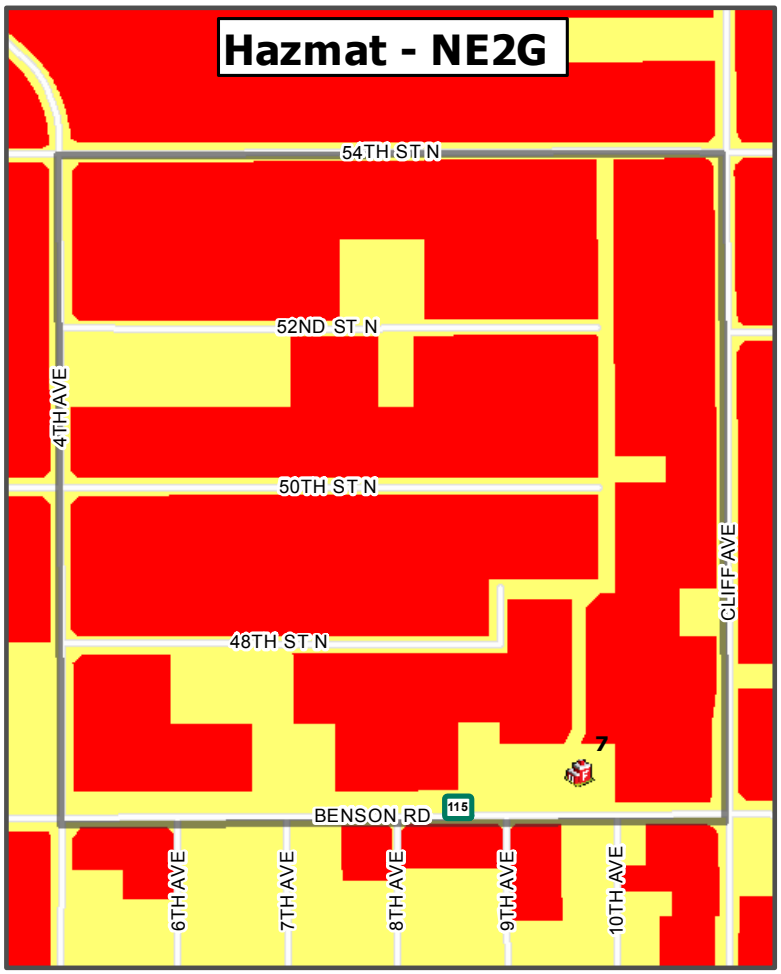
1 percent Annual Chance

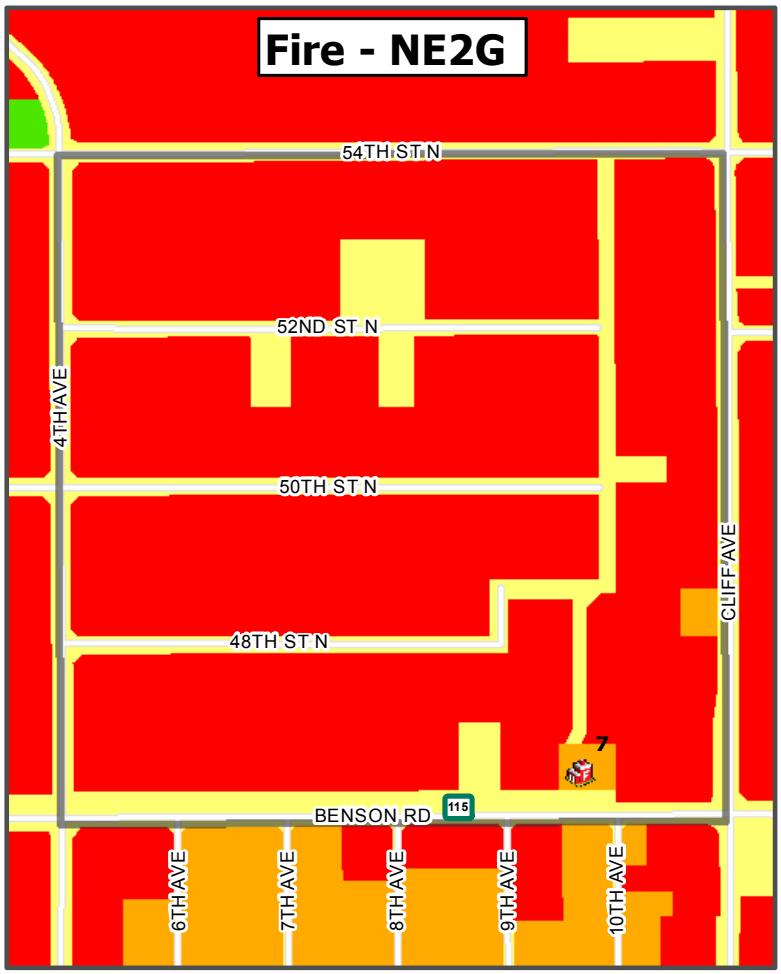












Low | Moderate | High | Special

1 inch = 762 feet

2015 Hazard/Risk Analysis by Planning Zones 2H

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	1
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	21
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy

NE2H

Fire

Rescue

HazMat

EMS

SUB Substation

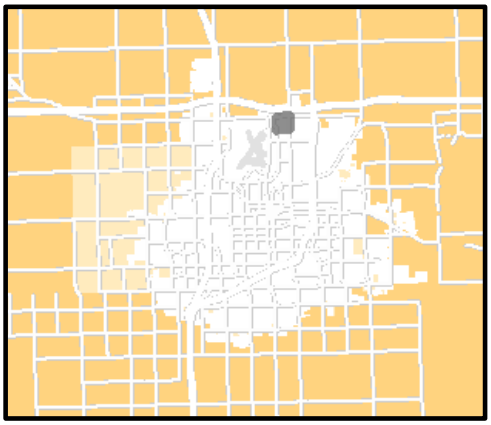
Transmission Line

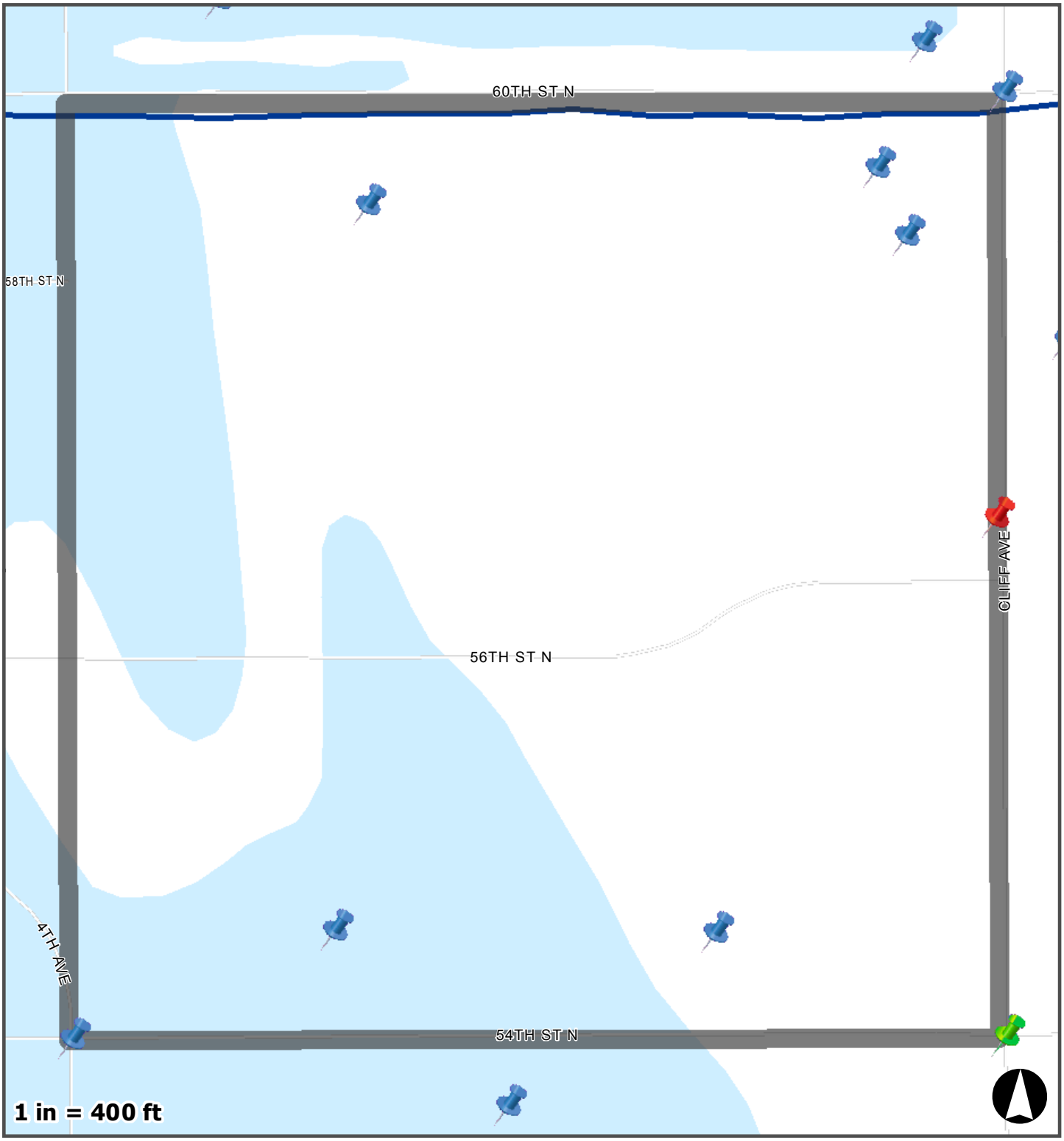
Major Gas Line

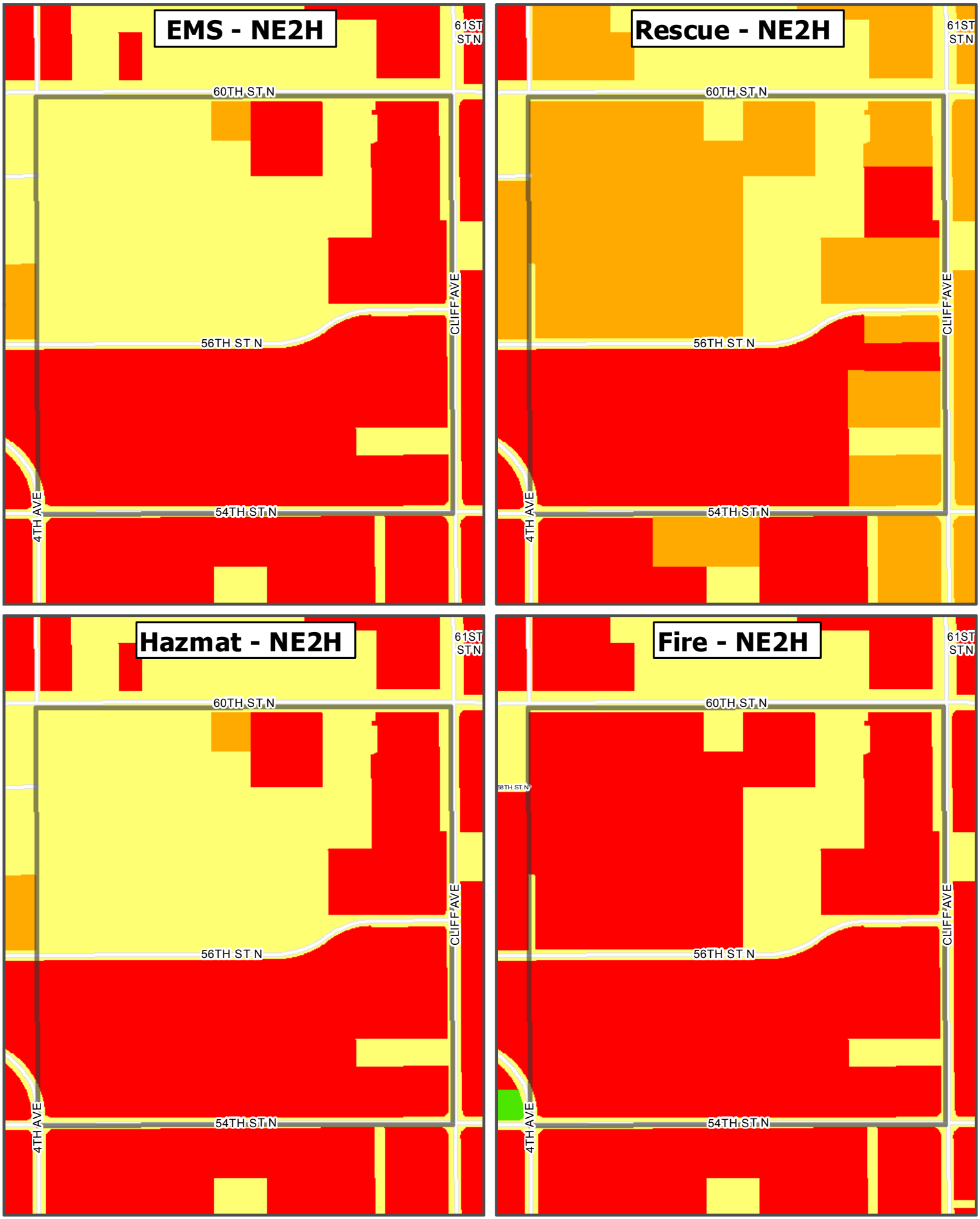
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance







Low | Moderate | High | Special

1 inch = 761 feet

2015 Hazard/Risk Analysis by Planning Zones 2I

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	21
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	2
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Pipeline intersects this quadrant		
JOURNEY ELEMENTARY	Type 1	School

NE2I

Fire

Rescue

HazMat

EMS

SUB Substation

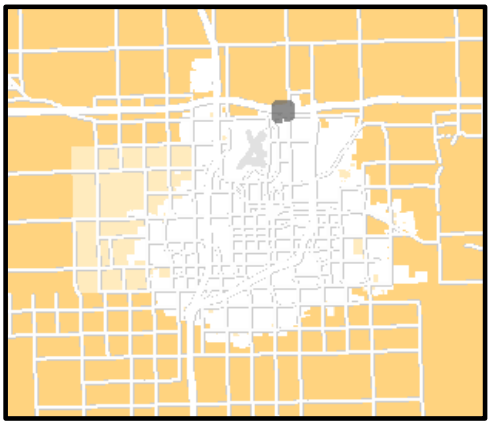
Transmission Line

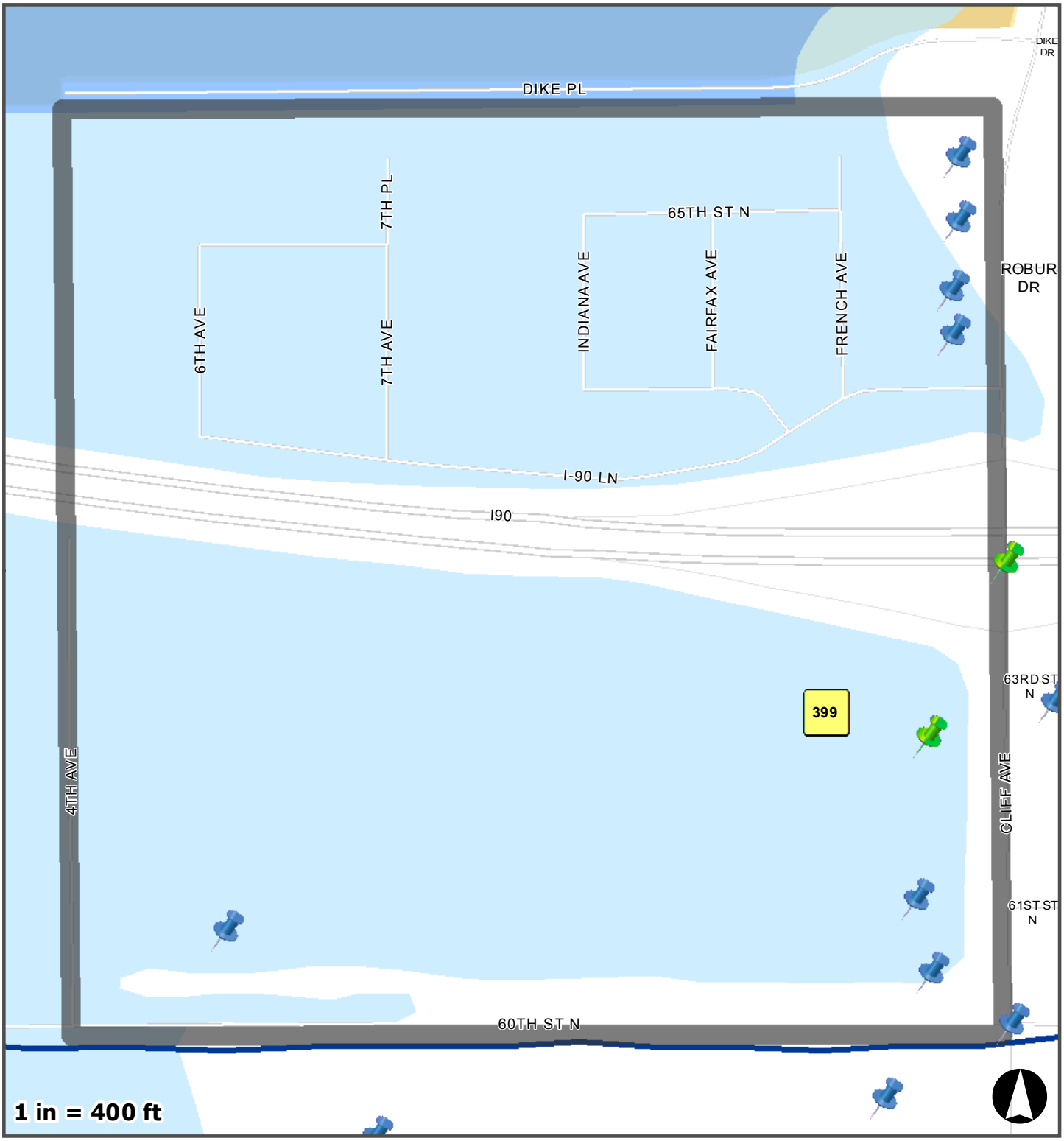
Major Gas Line

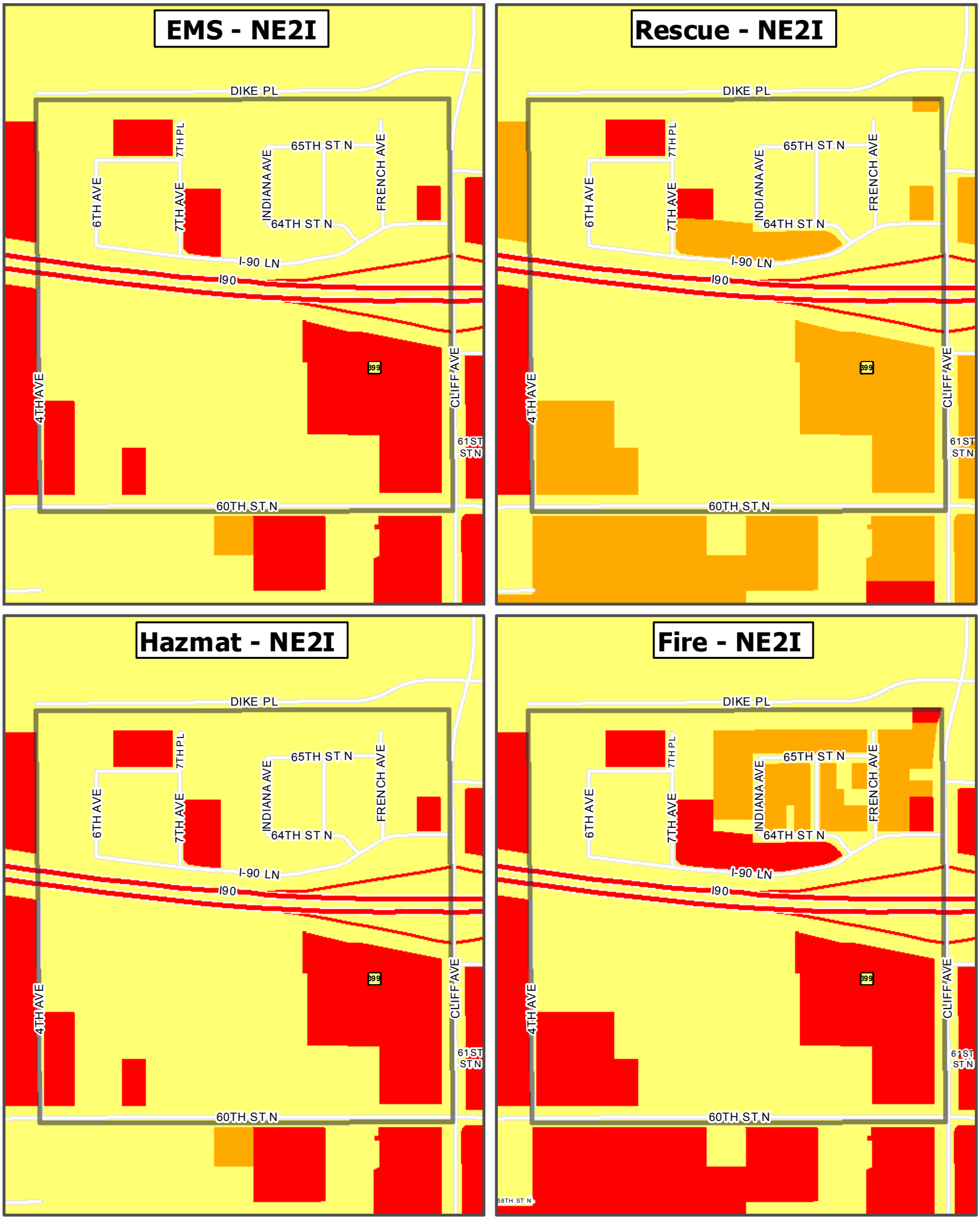
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance







Low | Moderate | High | Special

1 inch = 764 feet

2015 Hazard/Risk Analysis by Planning Zones 2J

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Pipeline intersects this quadrant		

NE2J

Fire

Rescue

HazMat

EMS

SUB Substation

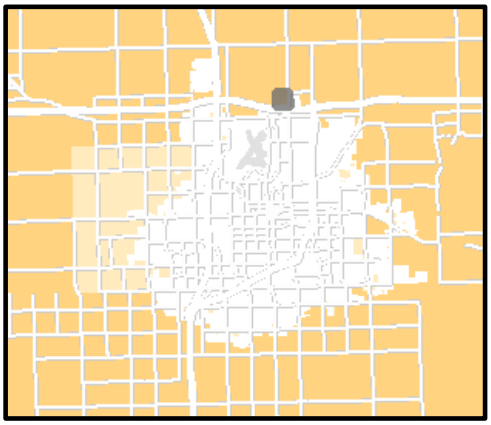
Transmission Line

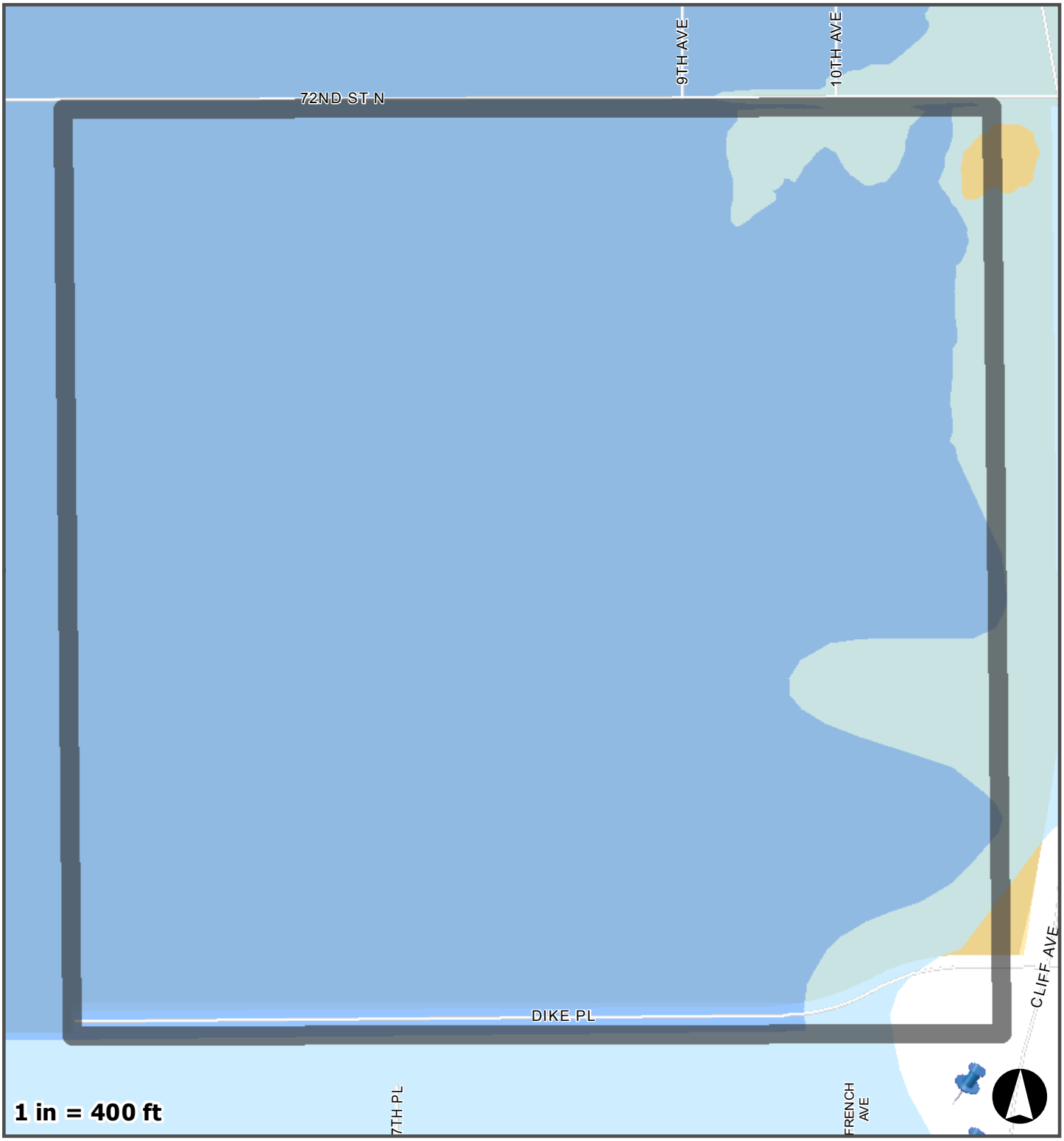
Major Gas Line

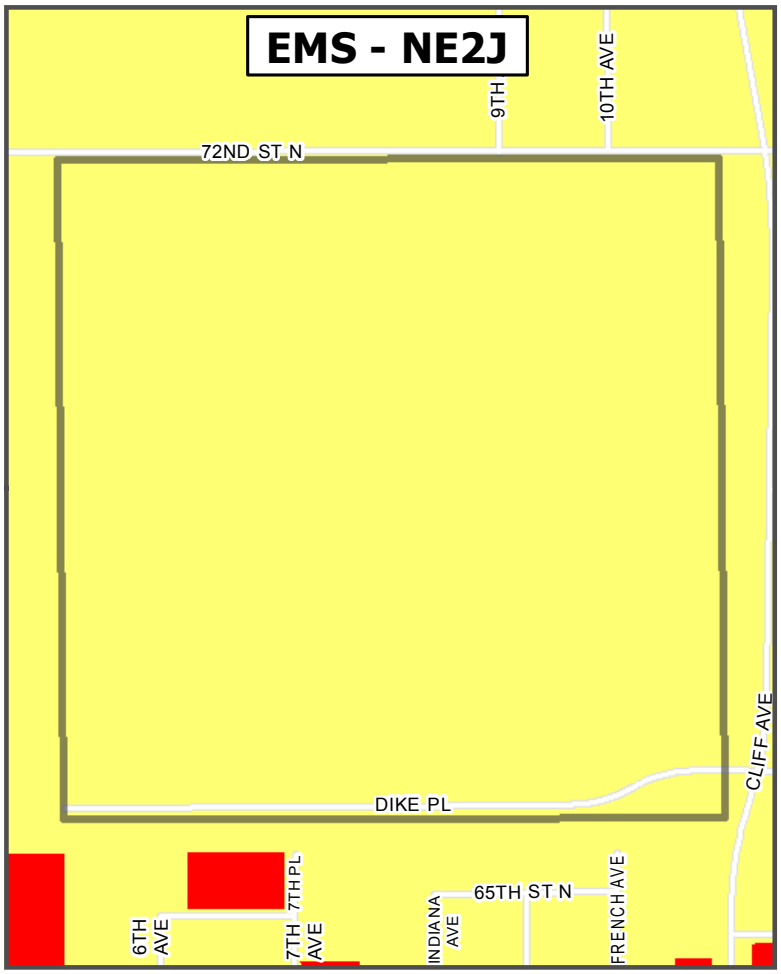
Floodplain

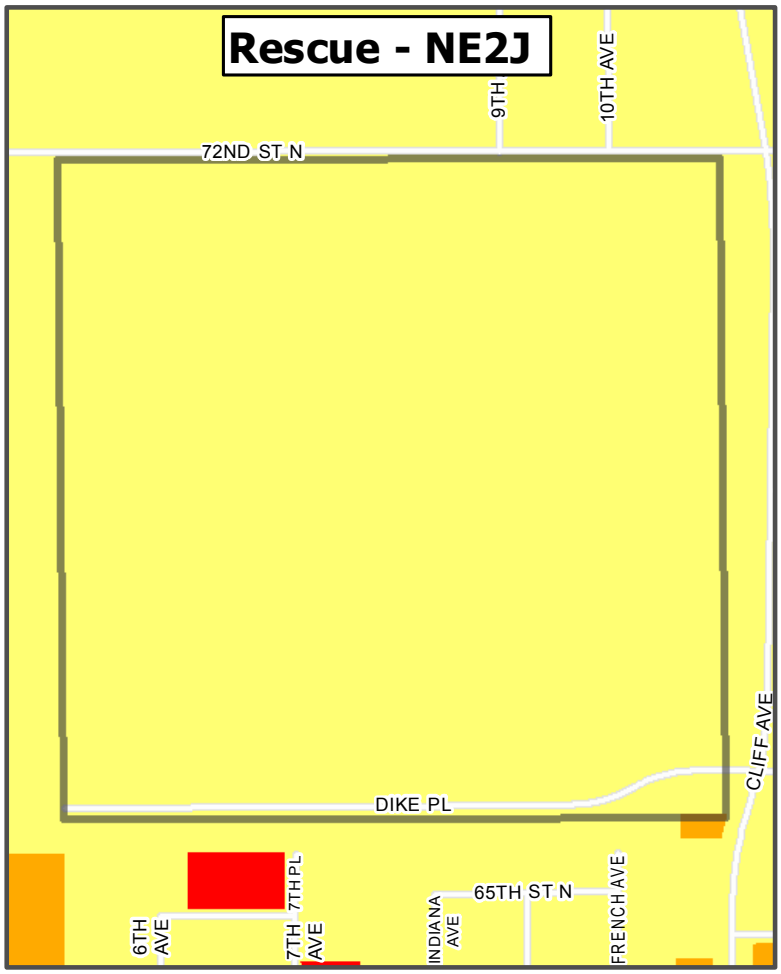
0.2 percent Annual Chance

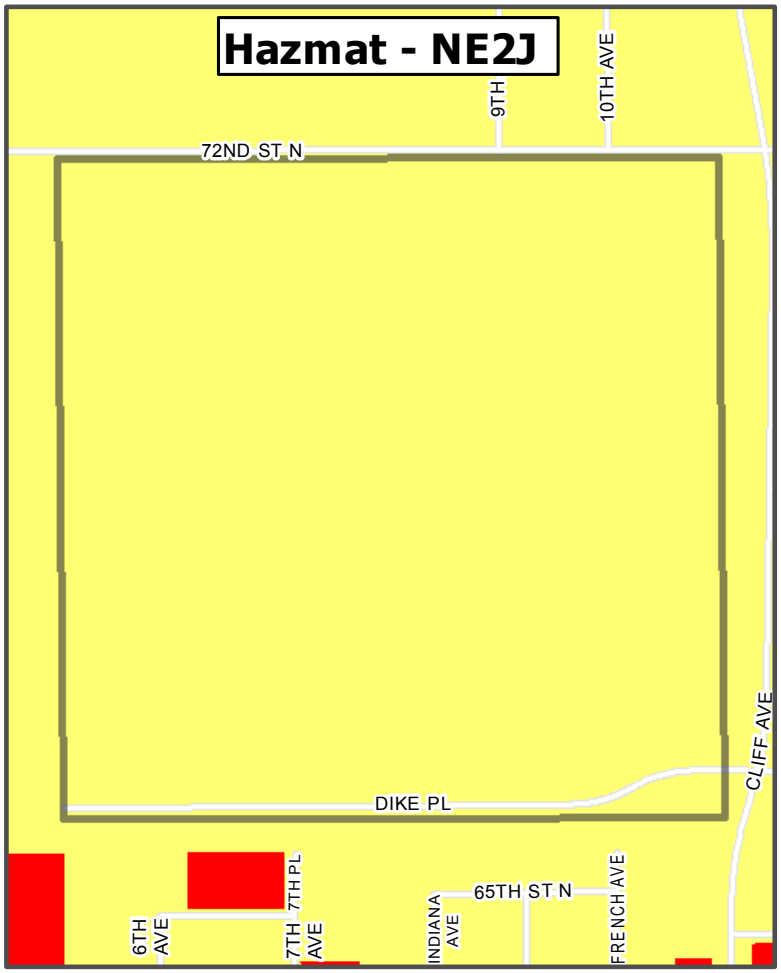
1 percent Annual Chance

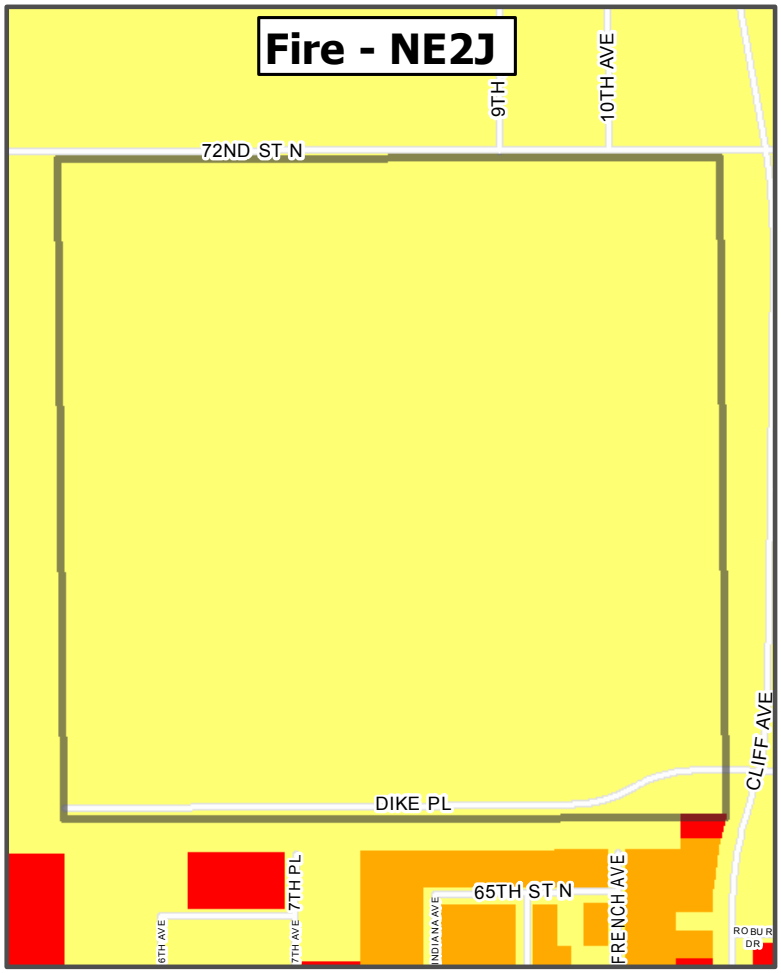












Low | Moderate | High | Special

1 inch = 763 feet

2015 Hazard/Risk Analysis by Planning Zones 3A

Frequency of Fires	
Residential	2
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	124
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	9
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 30% of this quadrant lies in the flood plain (Big Sioux)		
Garfield Elementary-OYATE COMMUNITY CENTER	Type 1	School

NE3A

Fire

Rescue

HazMat

EMS

SUB Substation

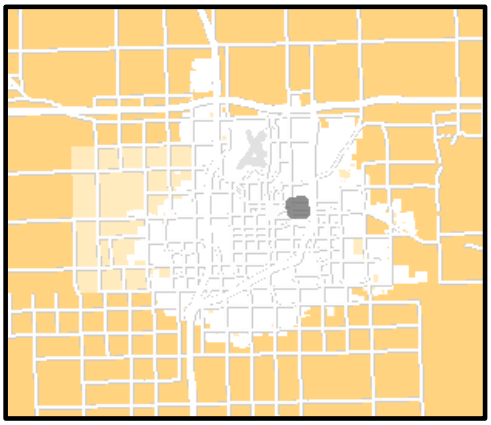
Transmission Line

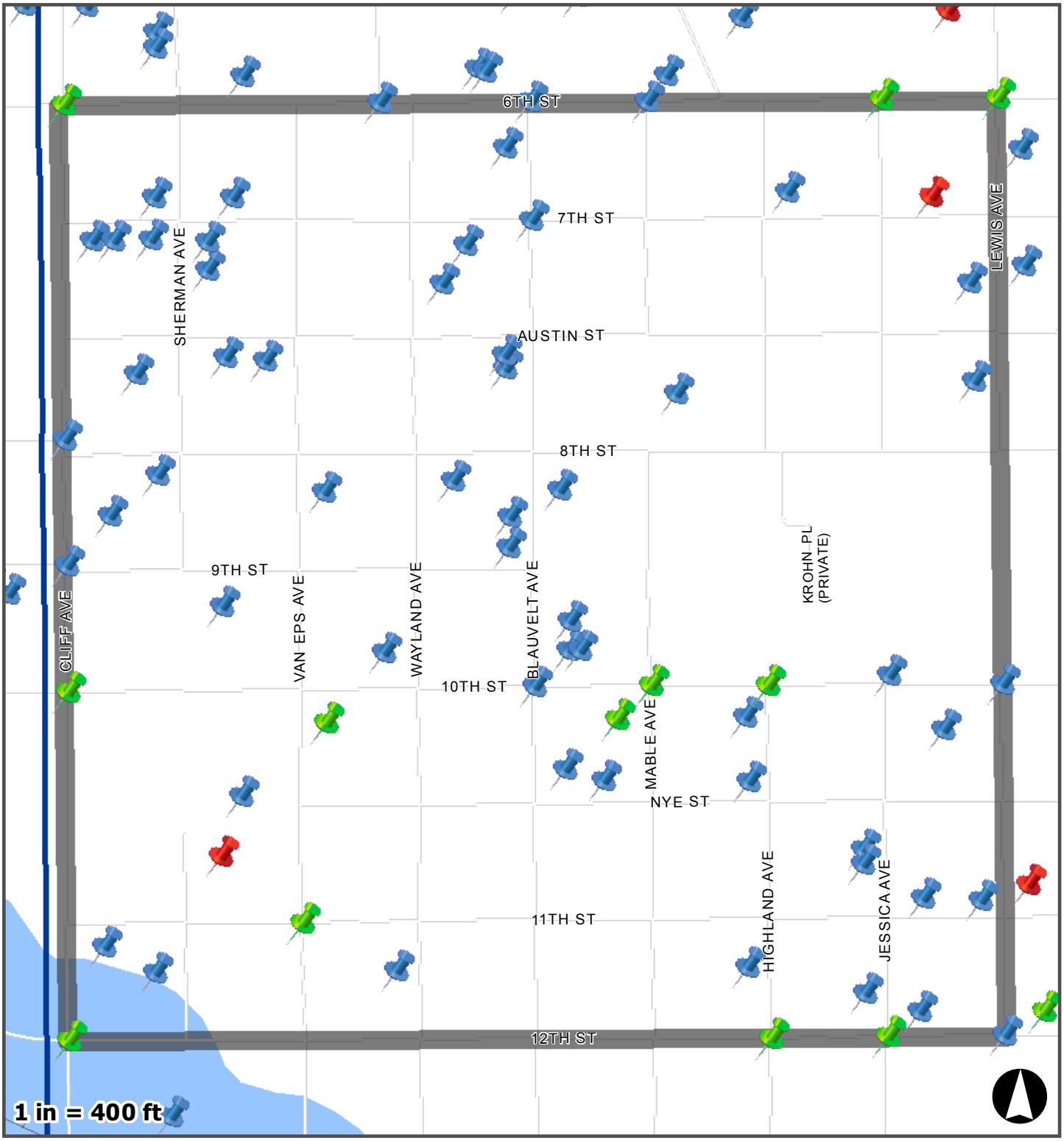
Major Gas Line

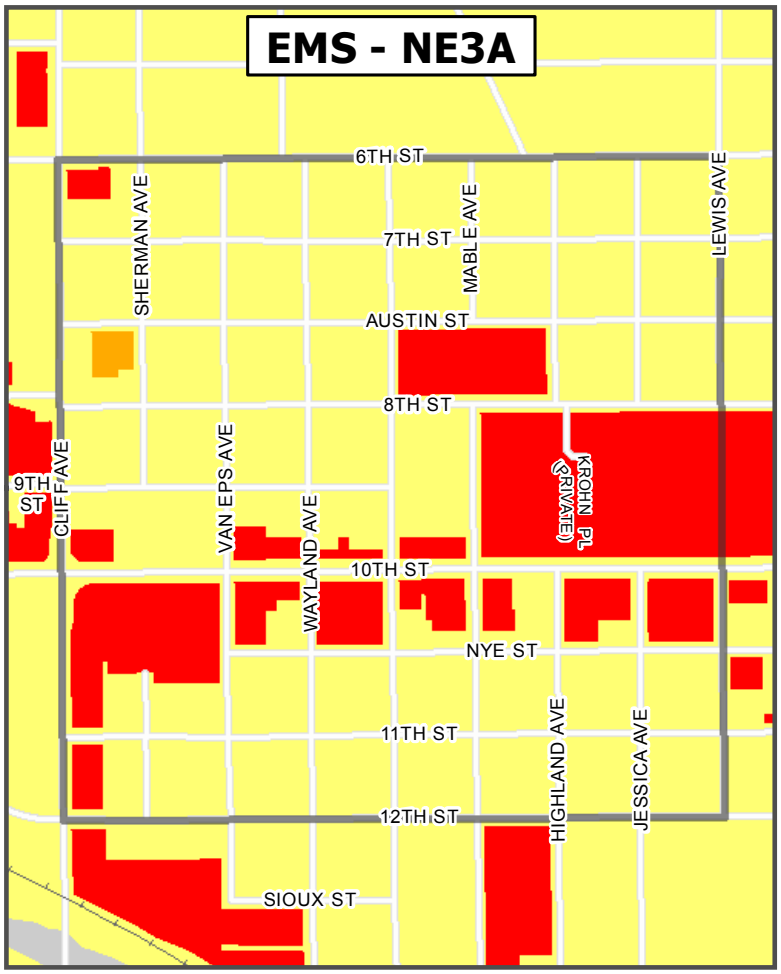
Floodplain

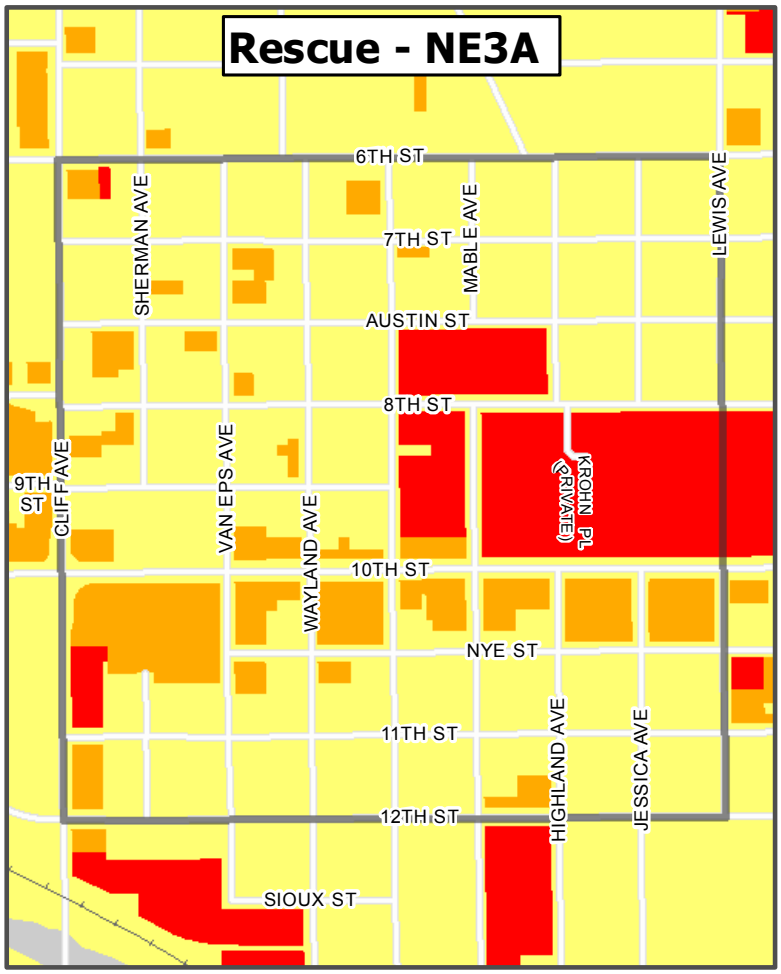
0.2 percent Annual Chance

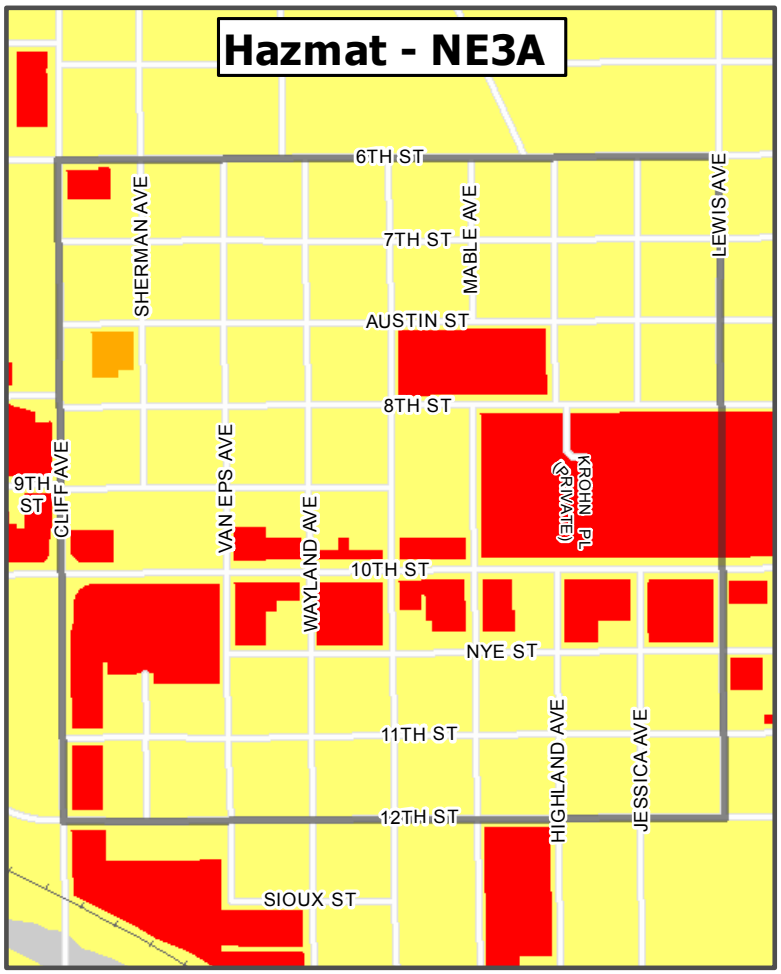
1 percent Annual Chance

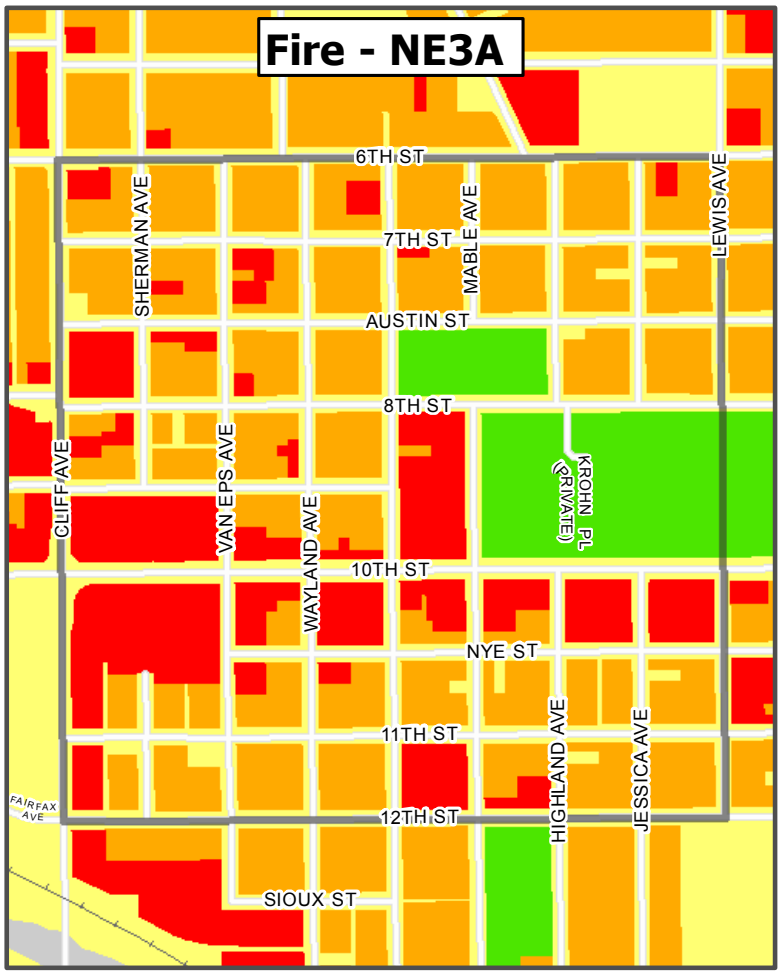












Low | Moderate | High | Special

1 inch = 770 feet

2015 Hazard/Risk Analysis by Planning Zones

3B

Frequency of Fires	
Residential	1
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	3
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	123
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	7
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	Low	Low	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	Moderate	Moderate	Low
Rail Line	Low	Moderate	Moderate	Low
High Speed MVA	Low	Moderate	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

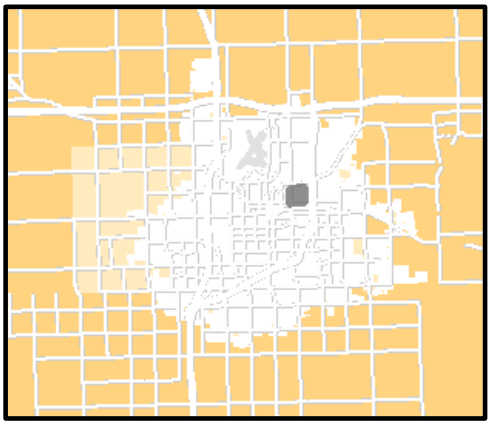
Comments/Special Risks	Response Type	Occupancy
VA HOSPITAL/CAMPUS	Type 2	Hospital

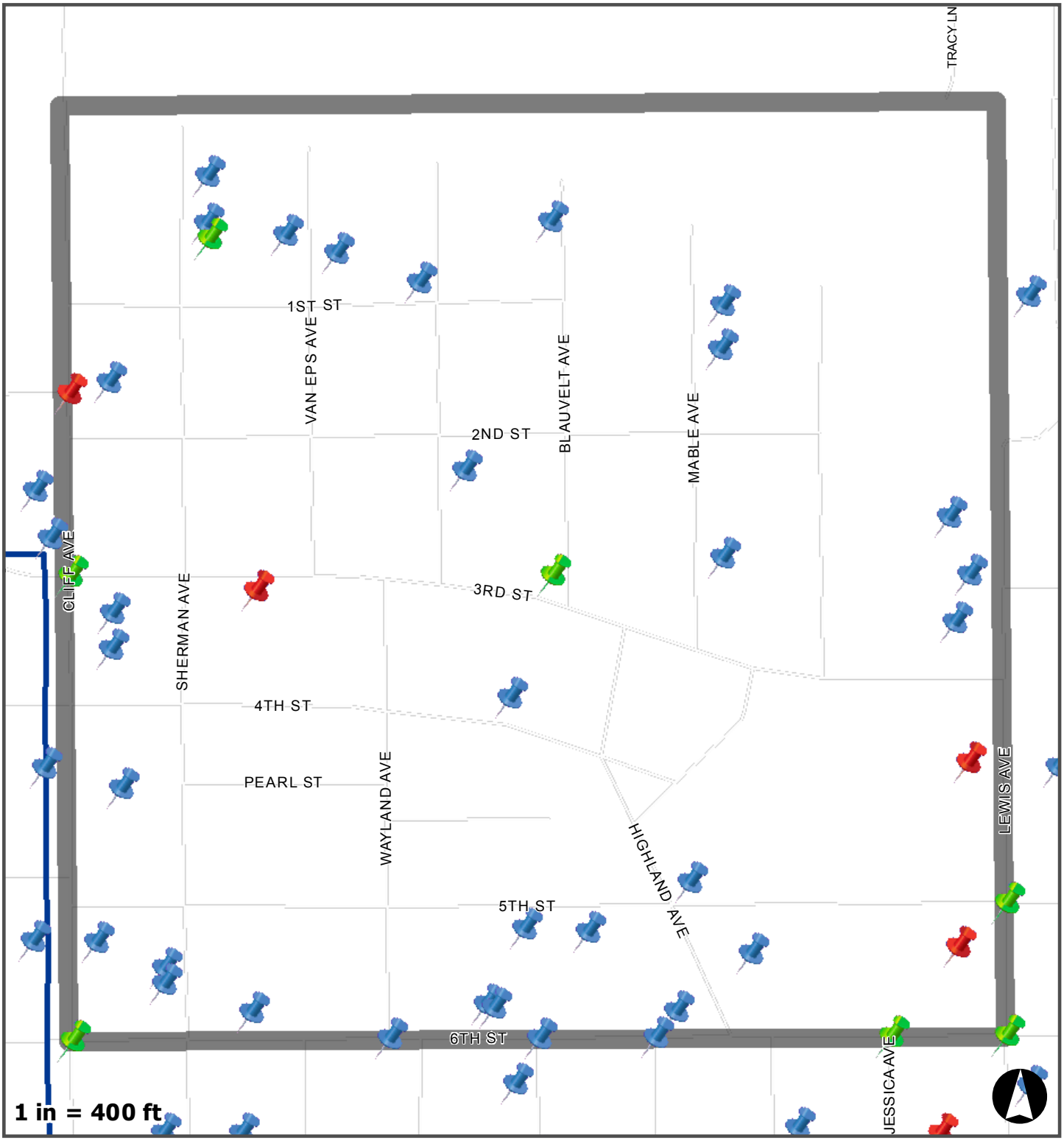
NE3B

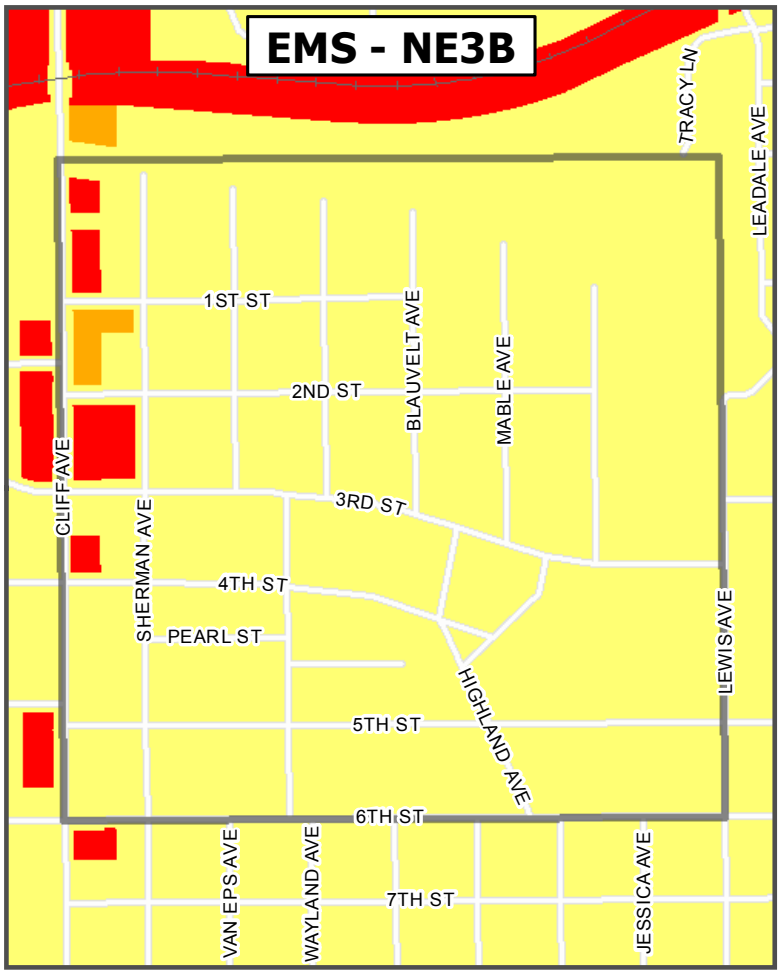
- Fire
- Rescue
- HazMat
- EMS
- SUB Substation
- Transmission Line
- Major Gas Line

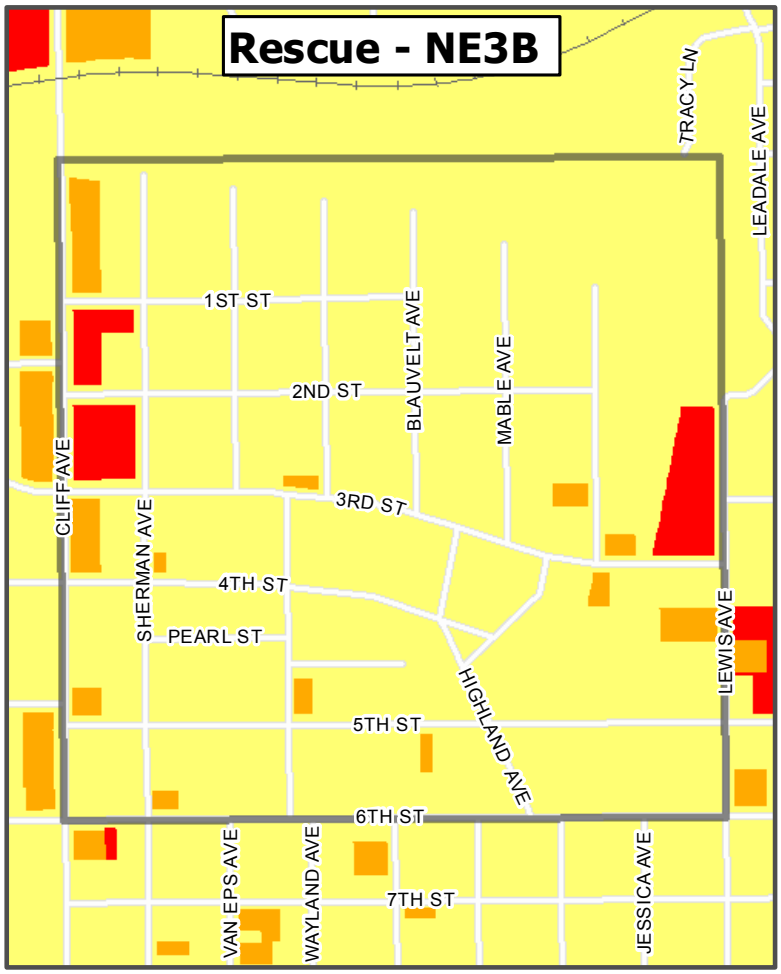
Floodplain

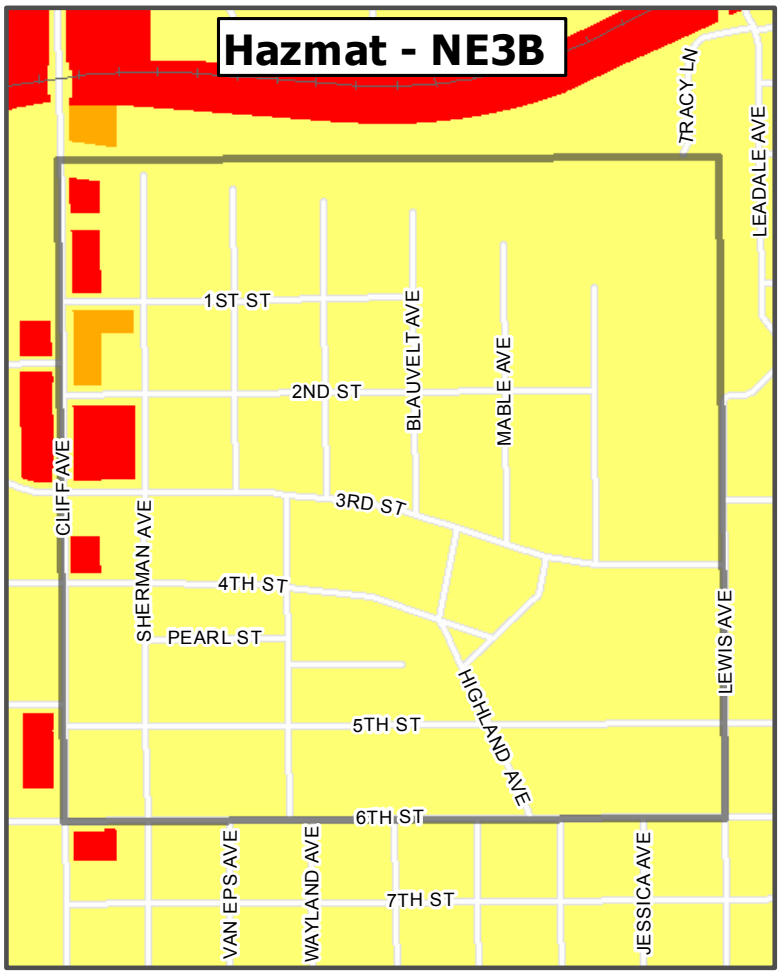
- 0.2 percent Annual Chance
- 1 percent Annual Chance

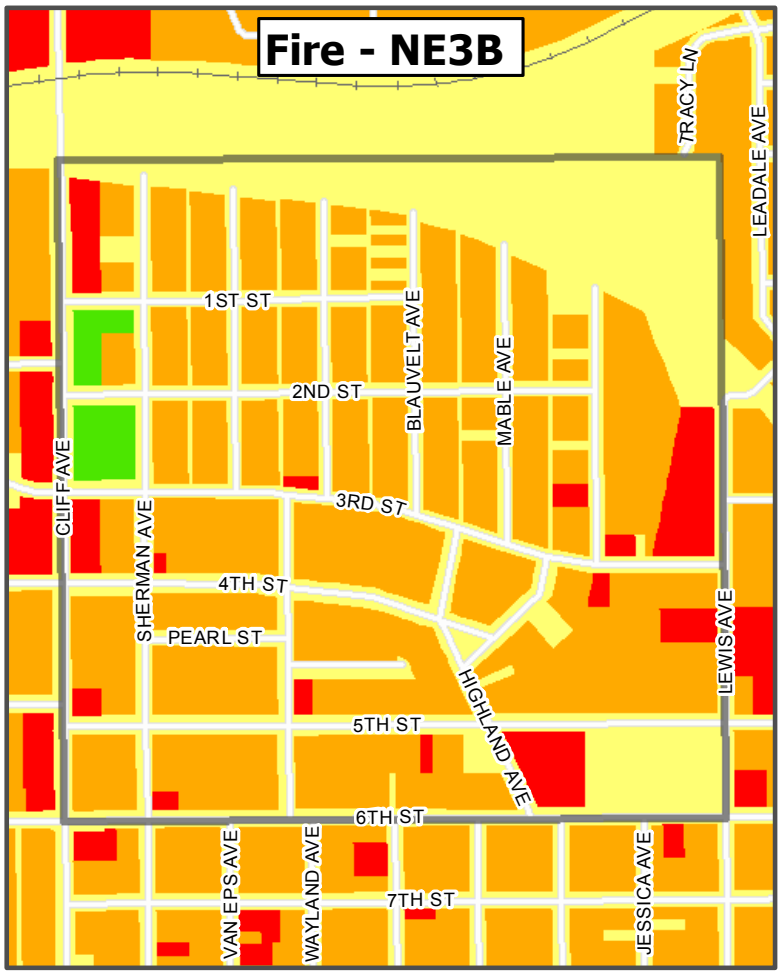












Low | Moderate | High | Special

1 inch = 769 feet

2015 Hazard/Risk Analysis by Planning Zones

3C

Frequency of Fires	
Residential	1
Commercial	0
Vehicle	0
Wildland/Brush	1
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	24
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	5
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
CHILDRENS CARE HOSPITAL & SCHO	Type 2	Hospital
BETHANY LUTHERAN HOME	Type 1	Nursing Home
LAURA WILDER ELEMENTARY	Type 1	School

NE3C

Fire

Rescue

HazMat

EMS

SUB Substation

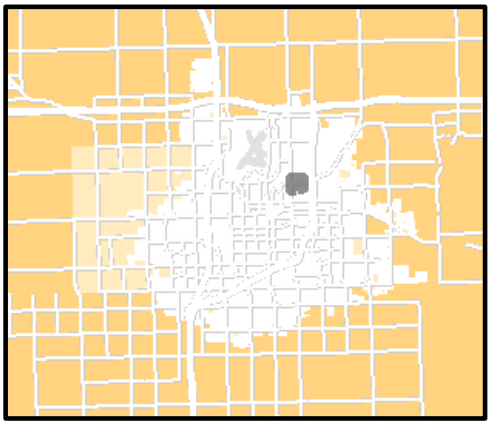
Transmission Line

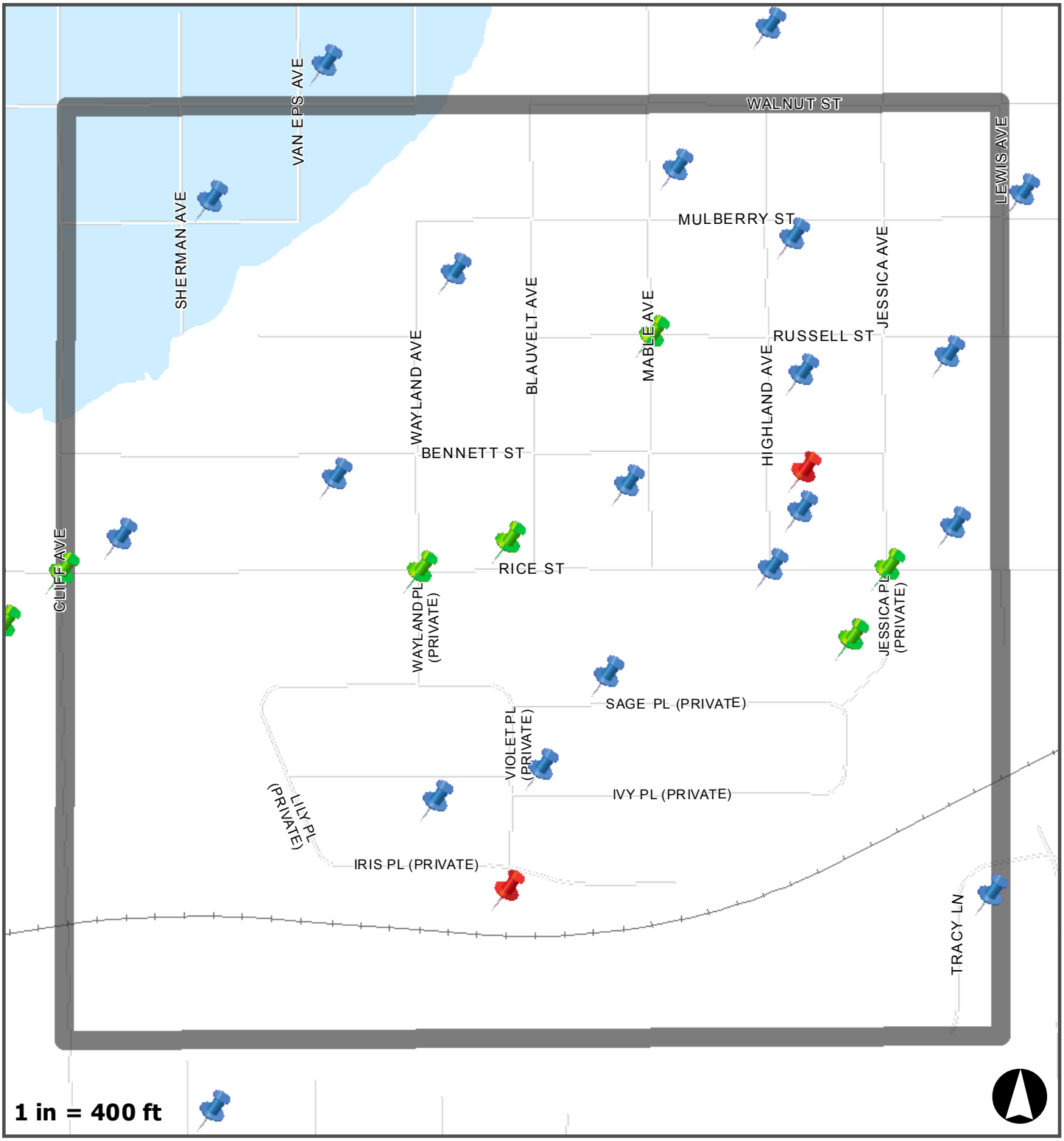
Major Gas Line

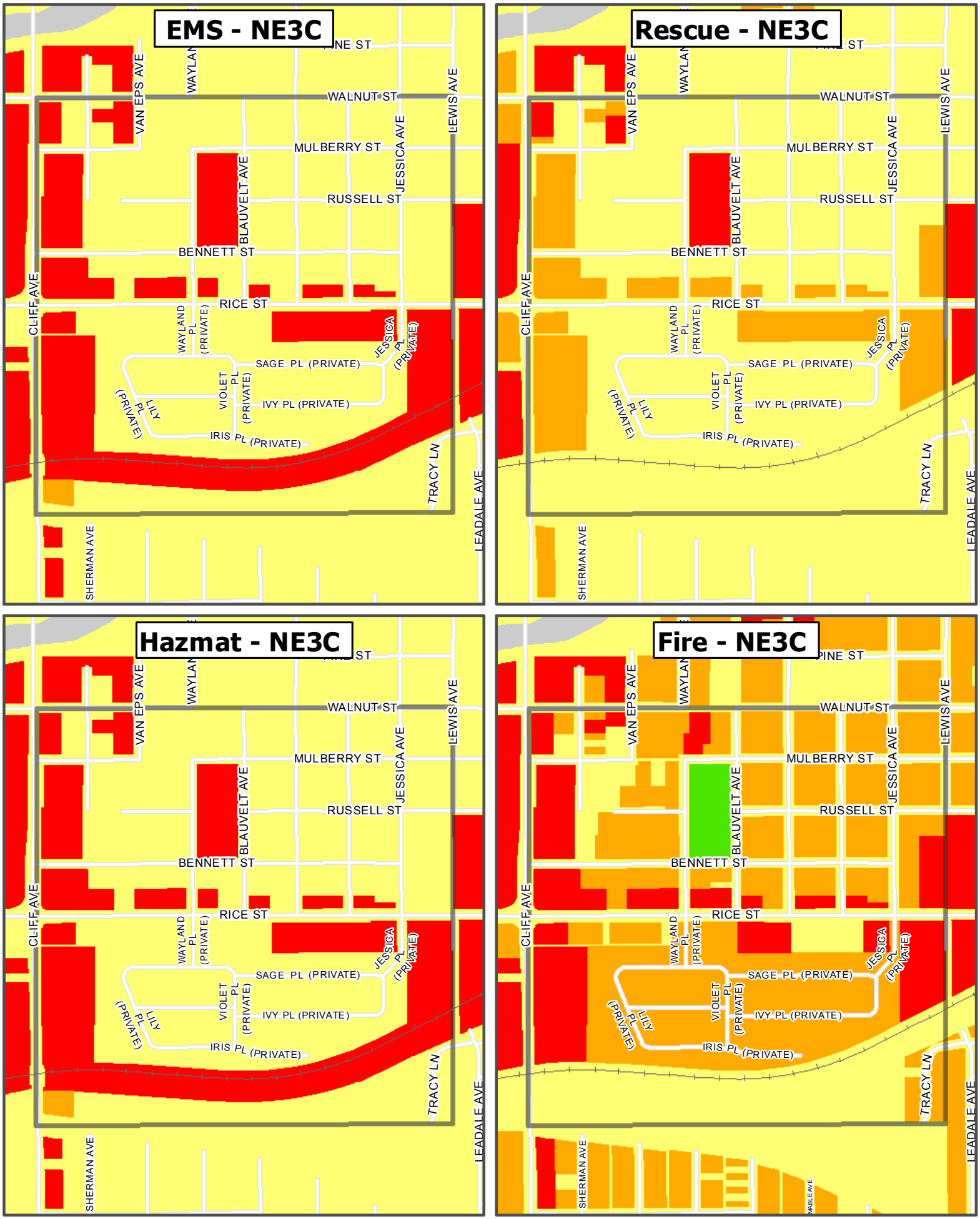
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance







Low | Moderate | High | Special

1 inch = 761 feet

2015 Hazard/Risk Analysis by Planning Zones 3D

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	8
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy

NE3D

Fire

Rescue

HazMat

EMS

SUB Substation

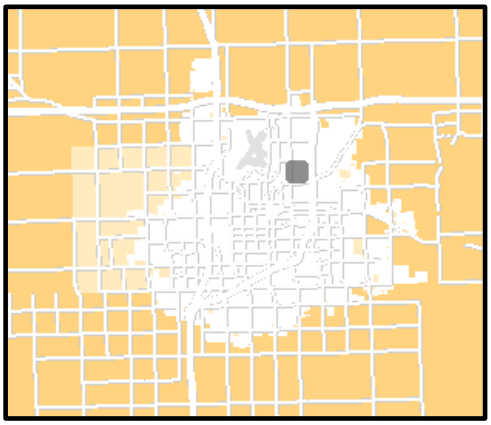
Transmission Line

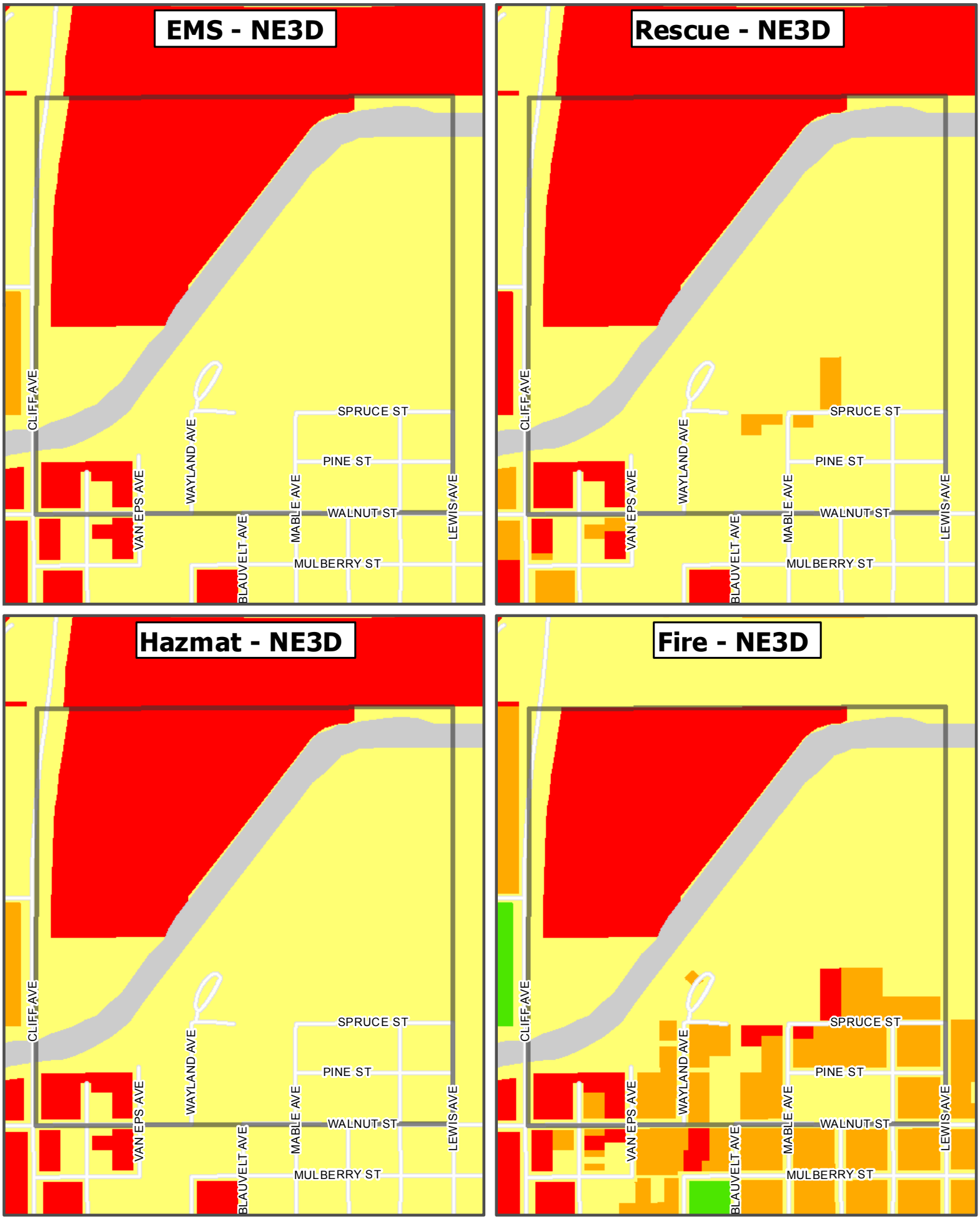
Major Gas Line

Floodplain

0.2 percent Annual Chance

1 percent Annual Chance





Low | Moderate | High | Special

1 inch = 761 feet

2015 Hazard/Risk Analysis by Planning Zones 3E

Frequency of Fires	
Residential	1
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	1
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	23
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	2
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	1

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 25% of this quadrant lies in the flood plain	(Big Sioux)	
WESTERN MALL	Type 2	Business

NE3E

Fire

Rescue

HazMat

EMS

SUB Substation

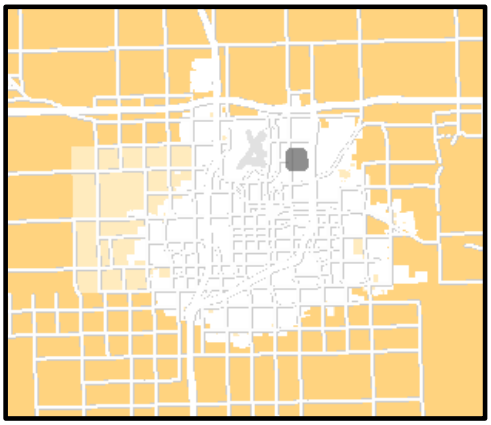
Transmission Line

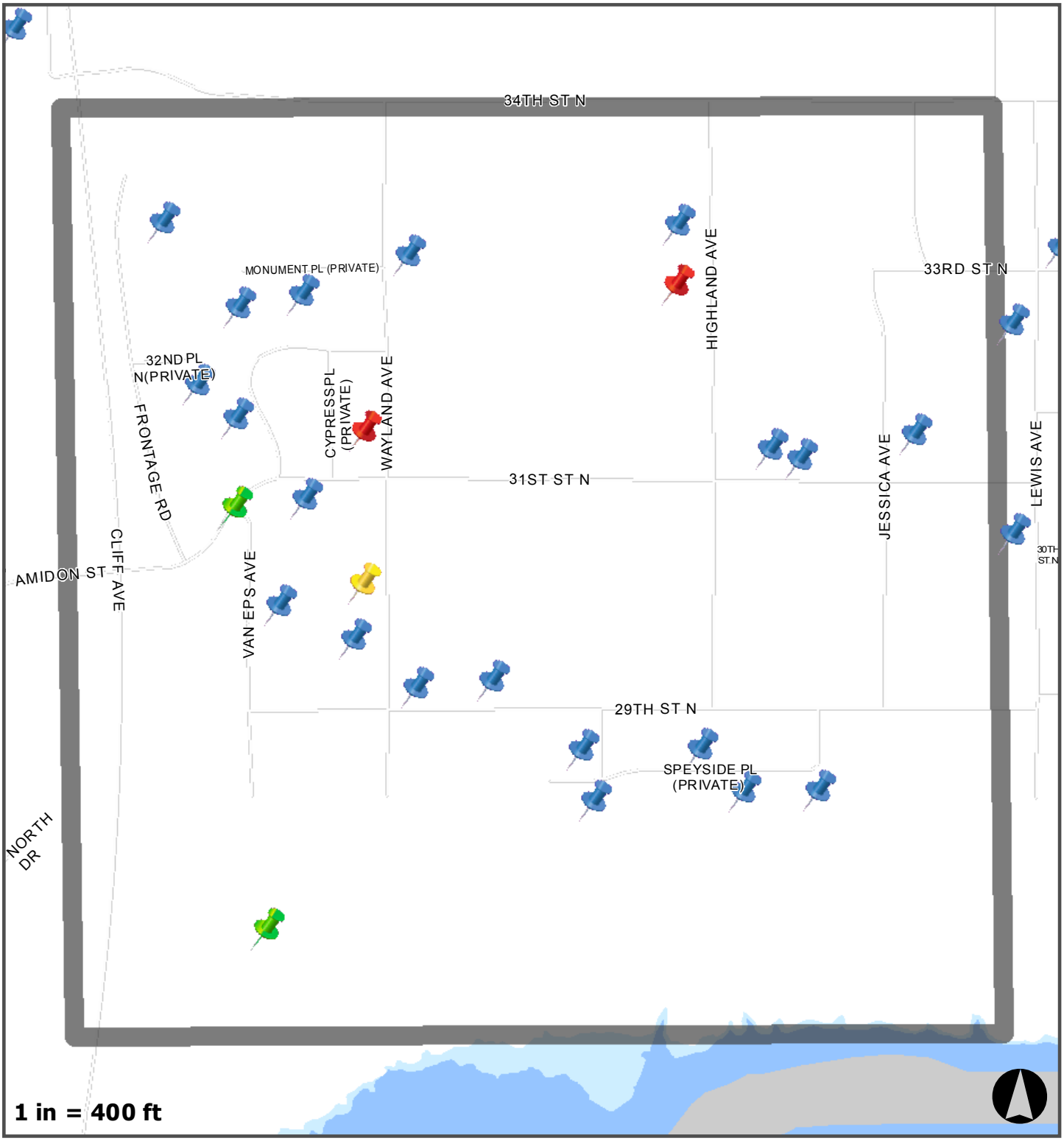
Major Gas Line

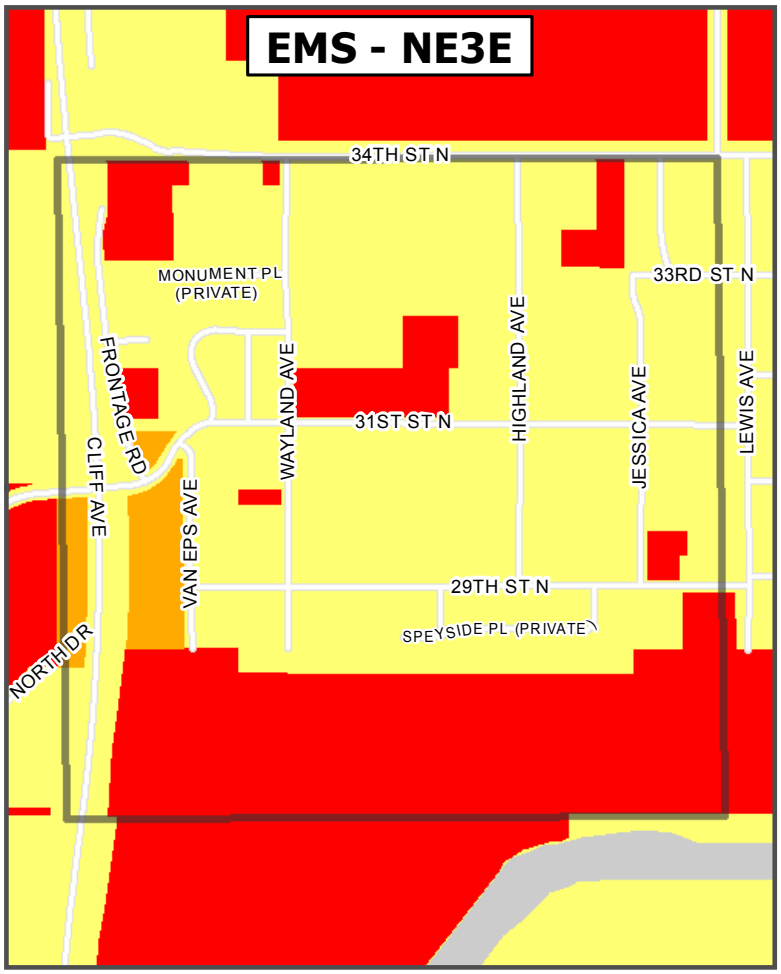
Floodplain

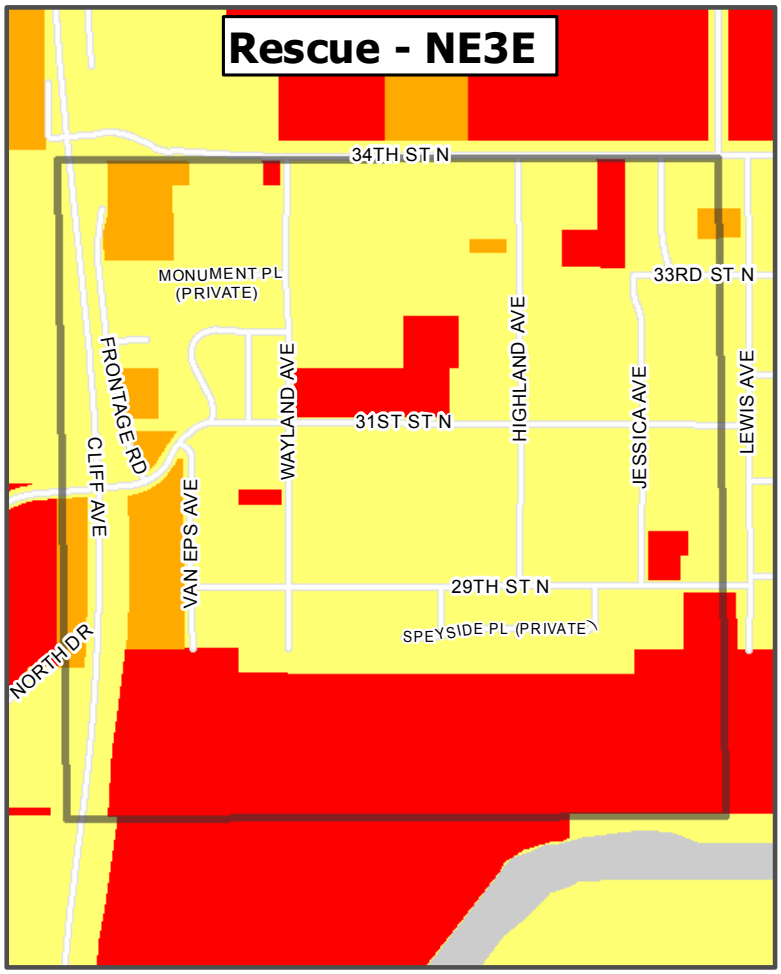
0.2 percent Annual Chance

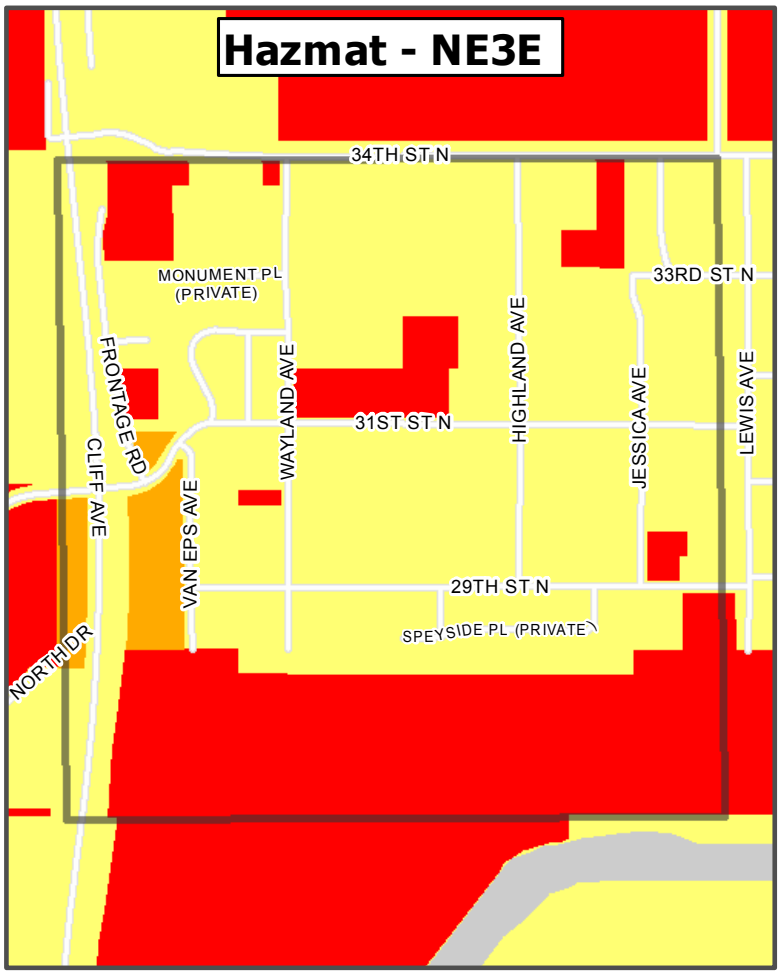
1 percent Annual Chance

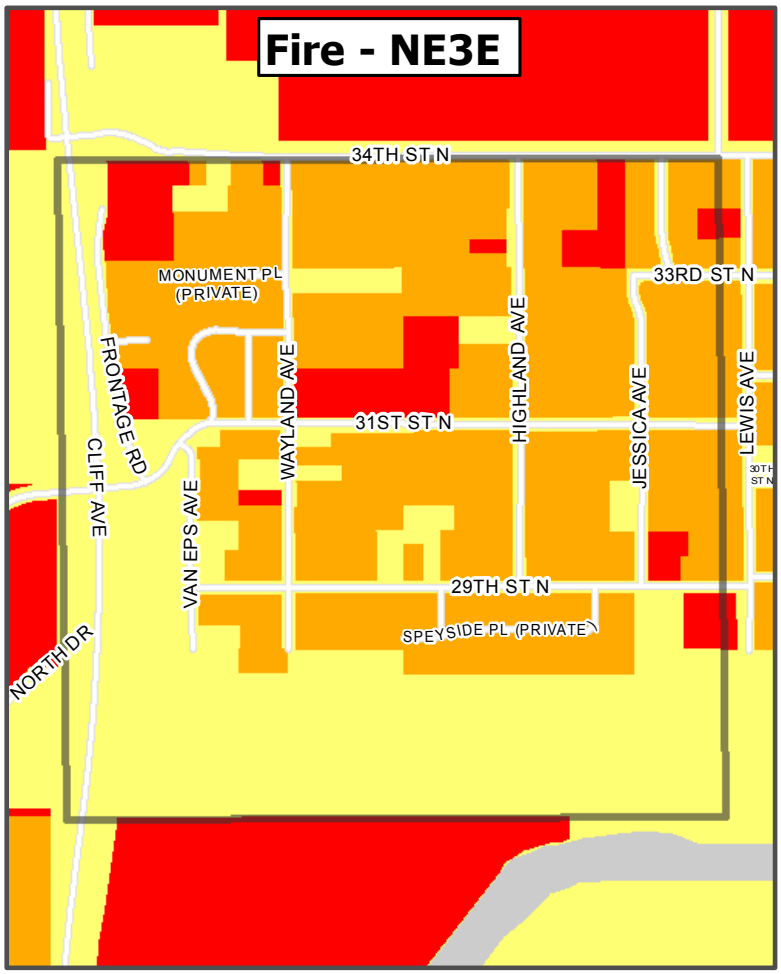












Low | Moderate | High | Special

1 inch = 767 feet

2015 Hazard/Risk Analysis by Planning Zones 3F

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	3
EMS Calls-High	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 100% of this quadrant lies in the flood plain (Big Sioux)		
Interstate highway intersects this quadrant		

NE3F

Fire

Rescue

HazMat

EMS

SUB Substation

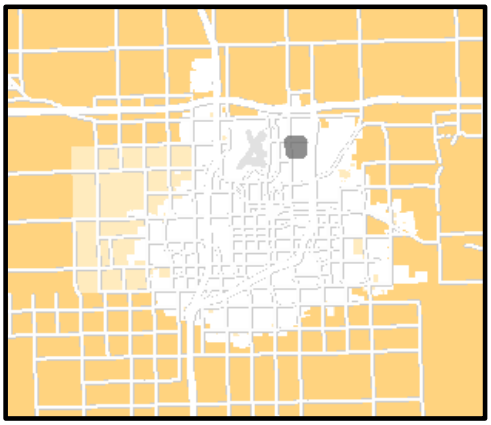
Transmission Line

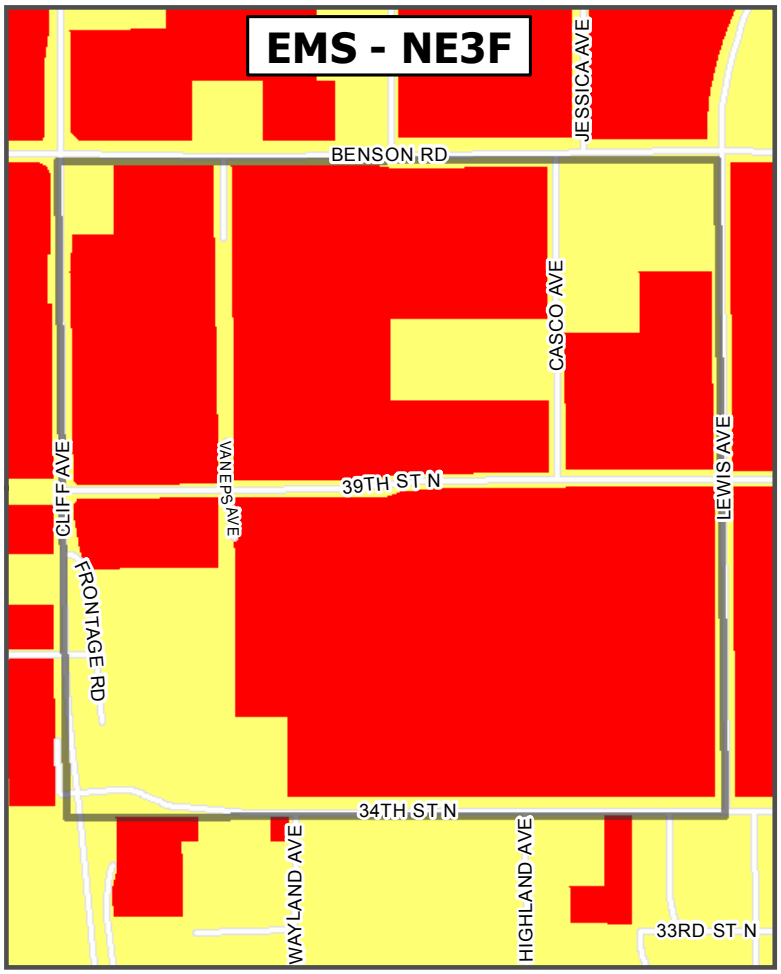
Major Gas Line

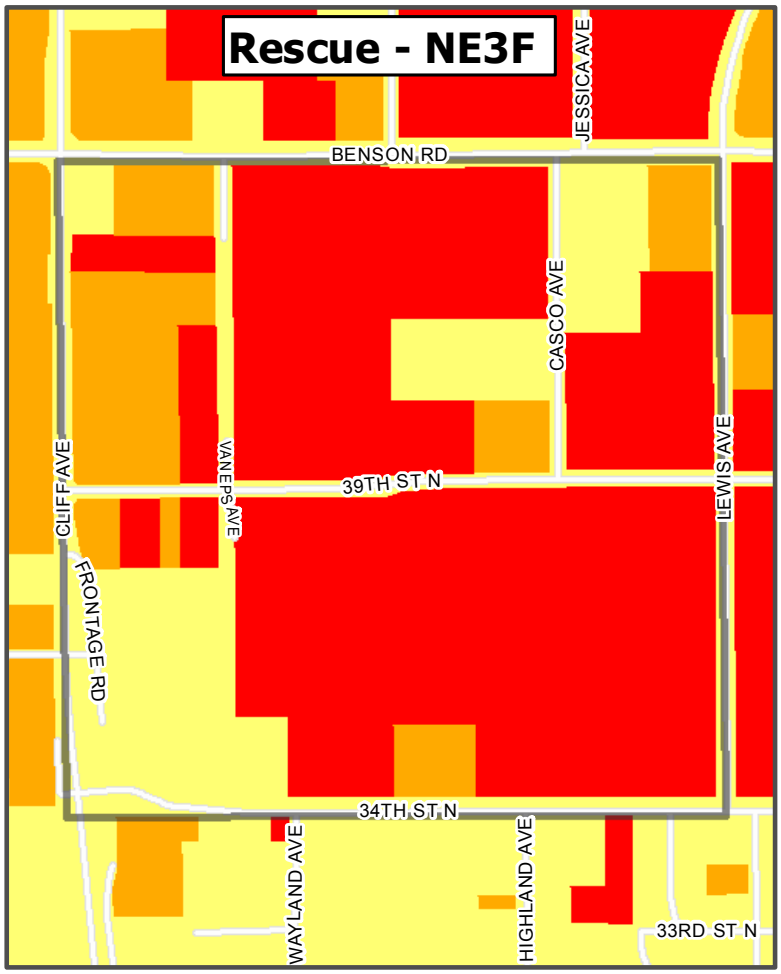
Floodplain

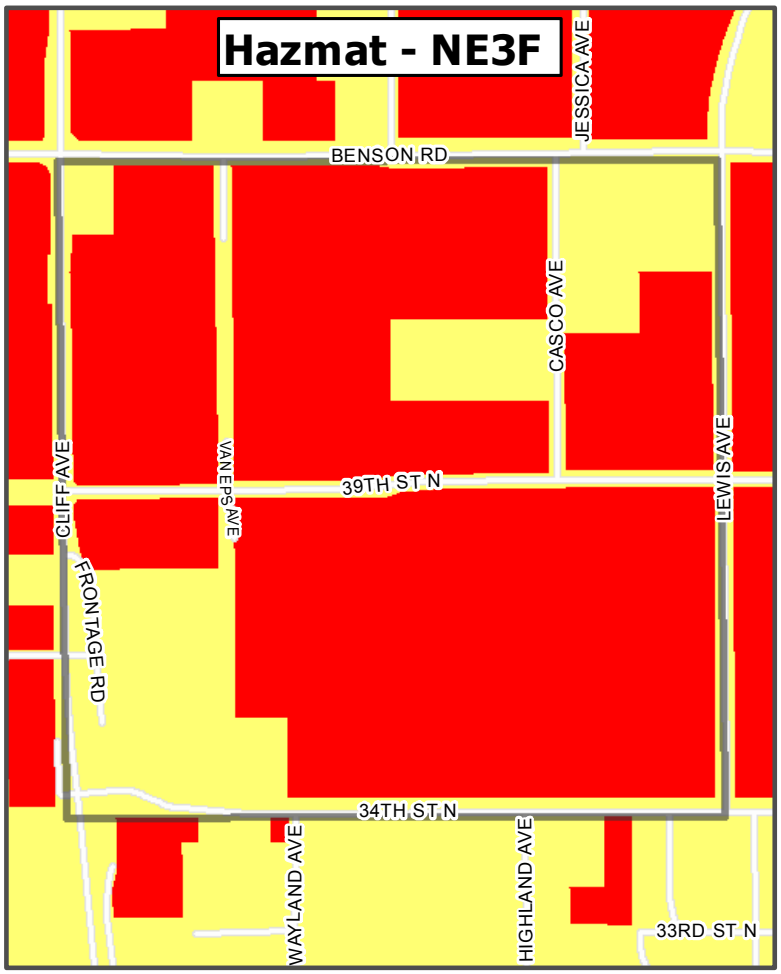
0.2 percent Annual Chance

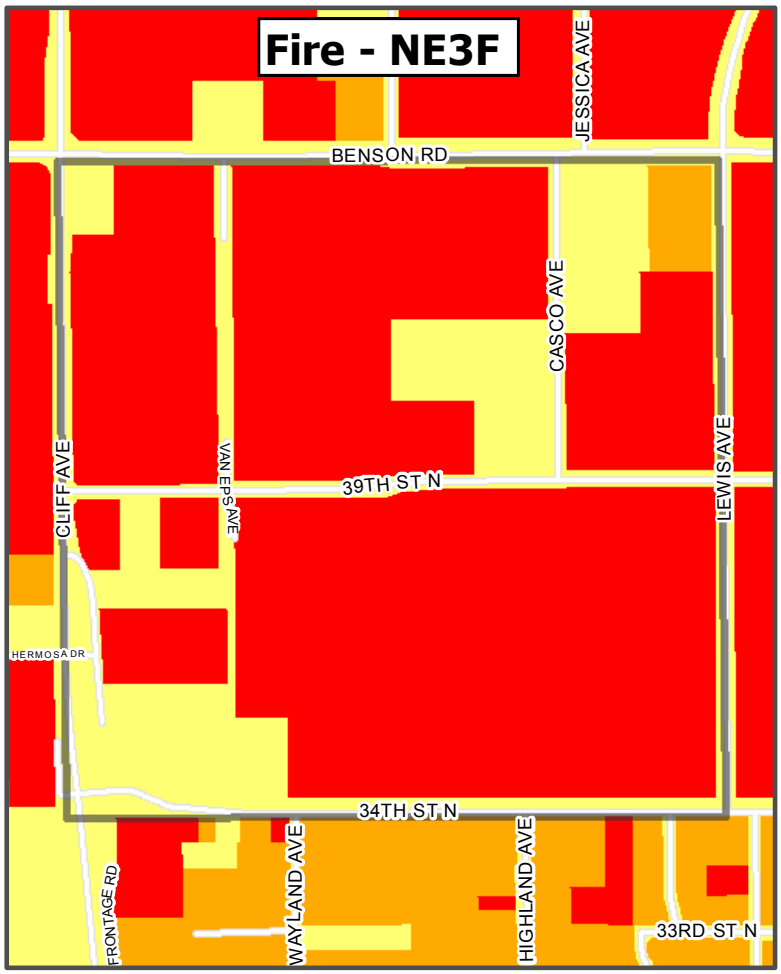
1 percent Annual Chance











Low | Moderate | High | Special

1 inch = 769 feet

2015 Hazard/Risk Analysis by Planning Zones 3G

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	5
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	2
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 5% of this quadrant lies in the flood plain (Big Sioux)		
Pipeline intersects this quadrant		

NE3G

Fire

Rescue

HazMat

EMS

SUB Substation

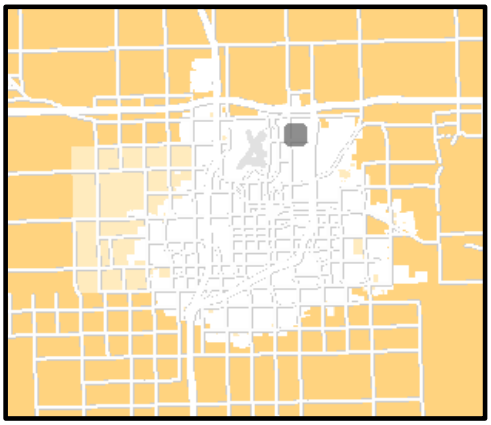
Transmission Line

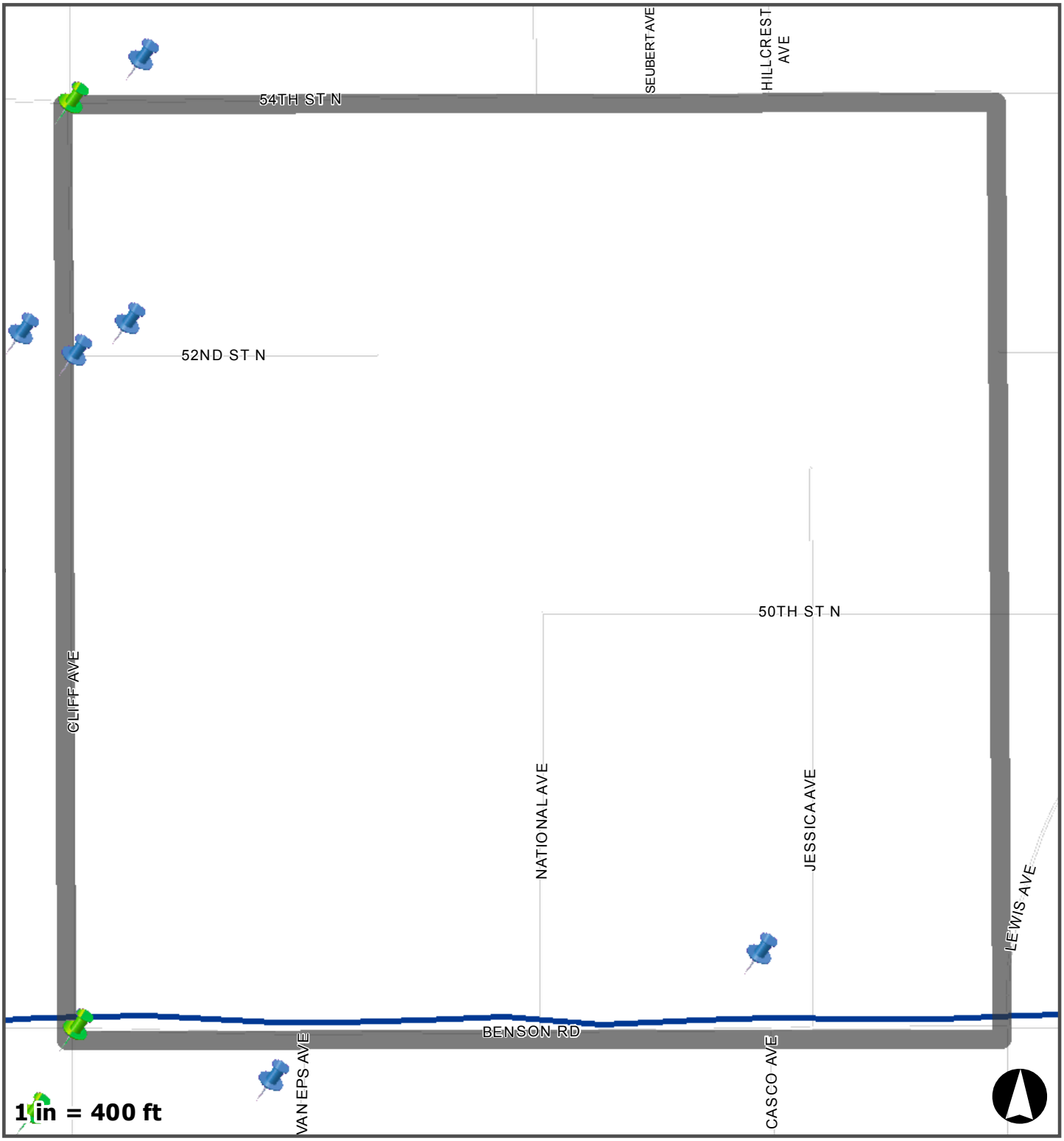
Major Gas Line

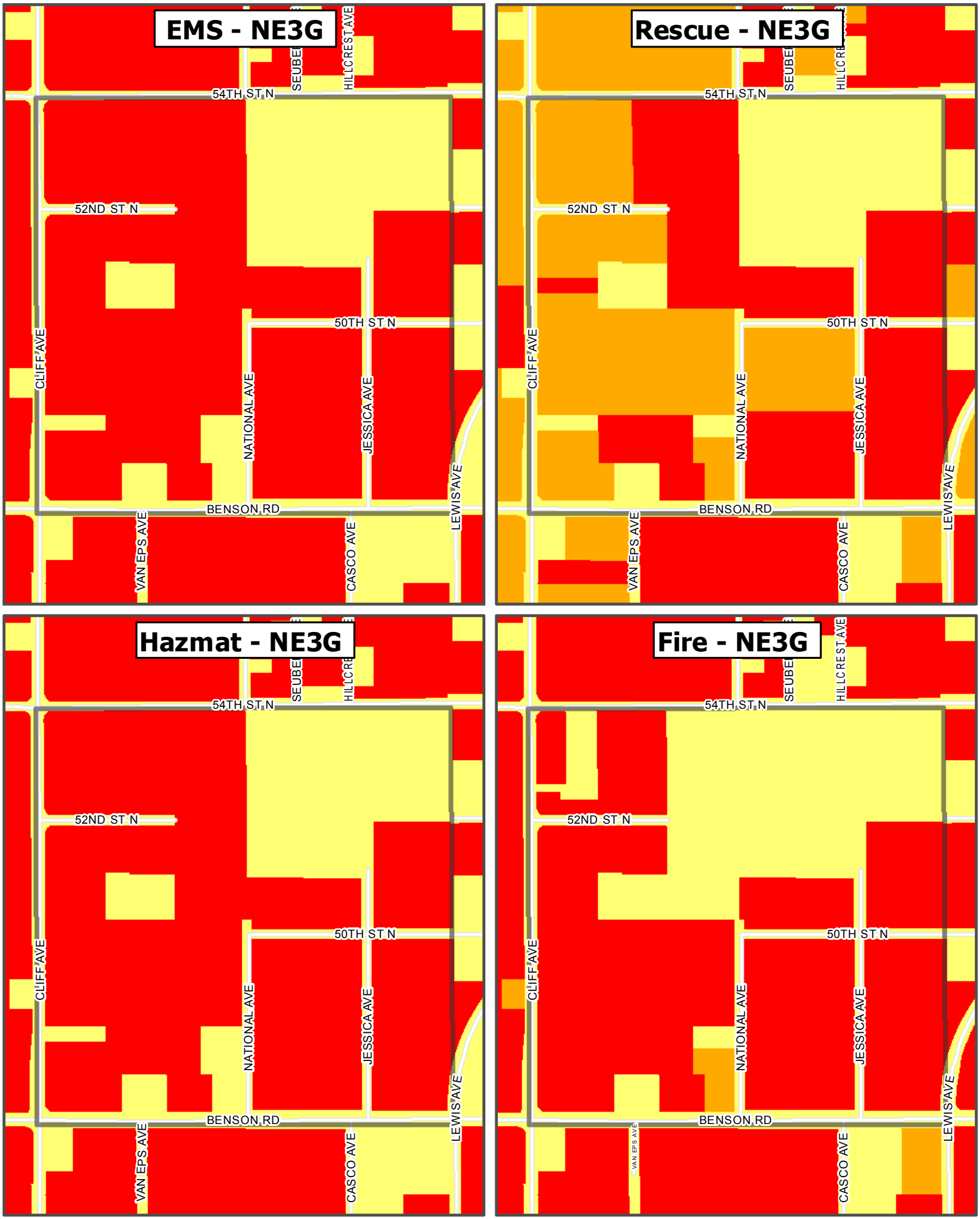
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance







Low | Moderate | High | Special

1 inch = 763 feet

2015 Hazard/Risk Analysis by Planning Zones 3H

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	1

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	7
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	1
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Pipeline intersects this quadrant		

NE3H

Fire

Rescue

HazMat

EMS

SUB Substation

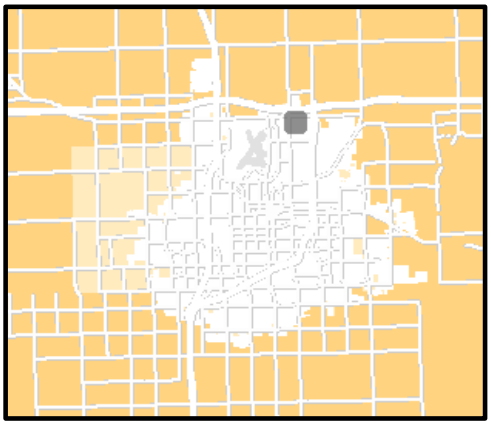
Transmission Line

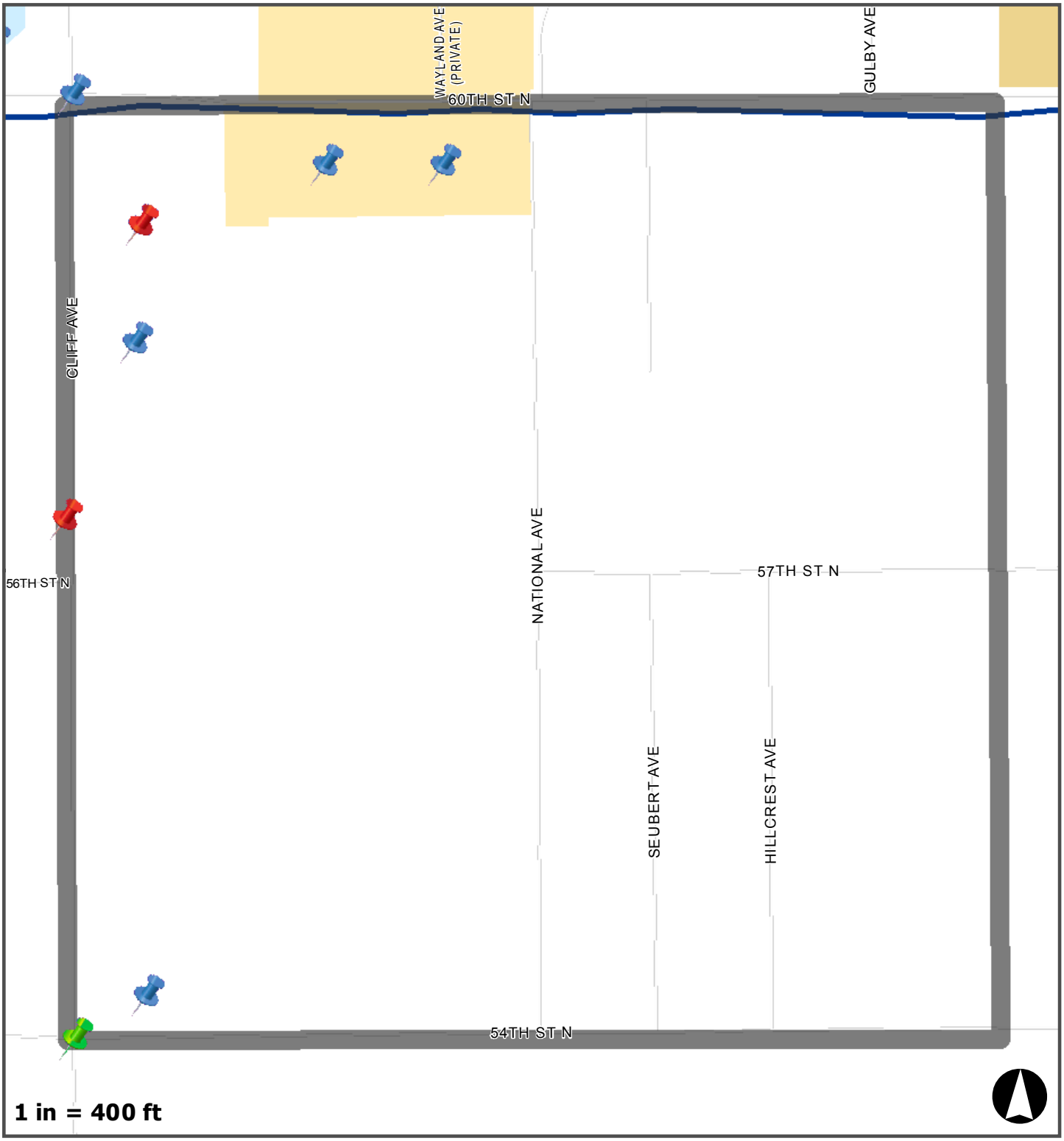
Major Gas Line

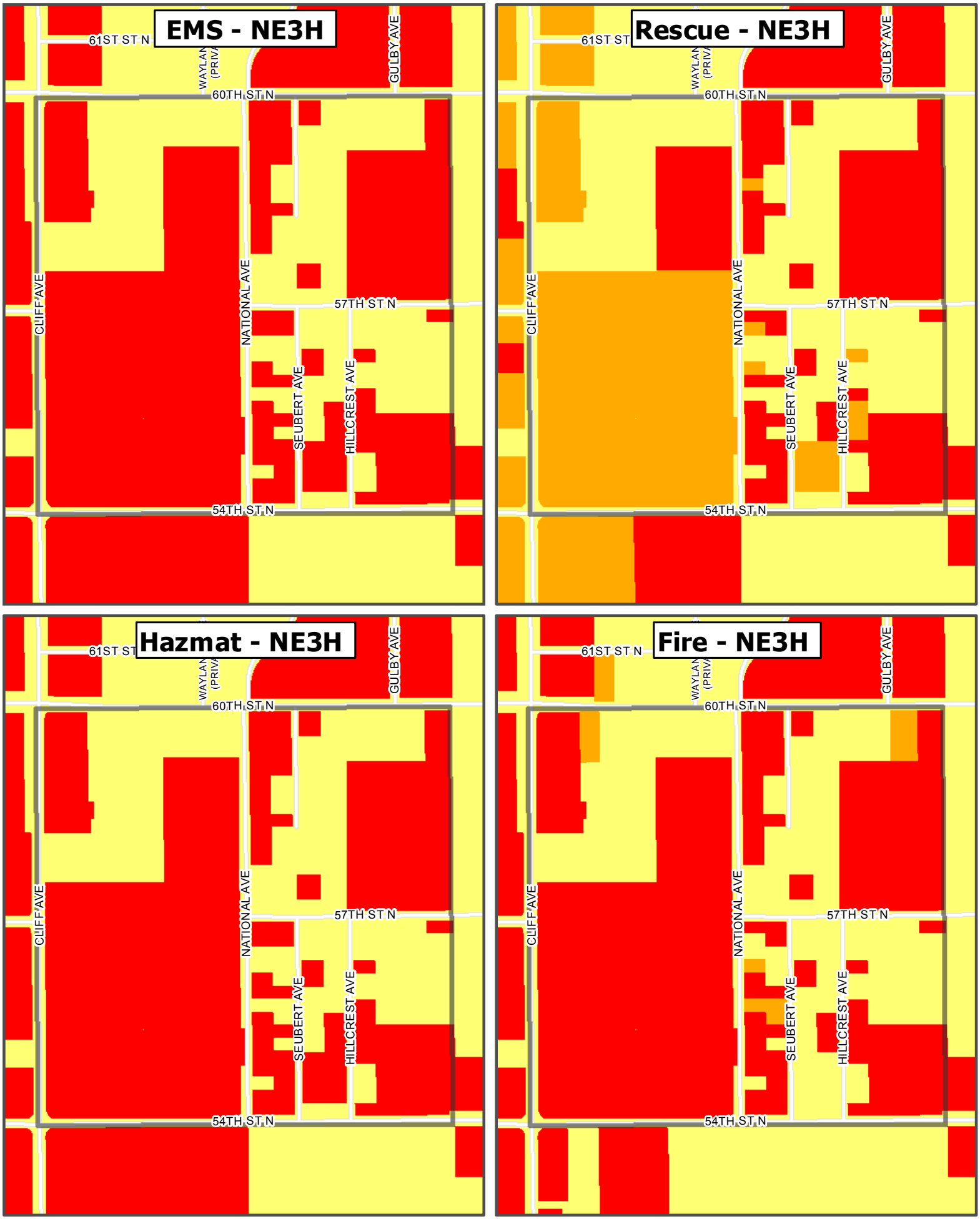
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance







Low | Moderate | High | Special

1 inch = 762 feet

2015 Hazard/Risk Analysis by Planning Zones 3I

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	1
Wildland/Brush	0
Trash	1
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	11
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	2
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Pipeline intersects this quadrant		

NE3I

Fire

Rescue

HazMat

EMS

SUB Substation

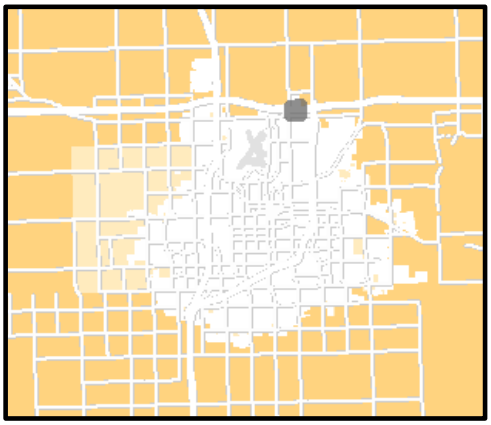
Transmission Line

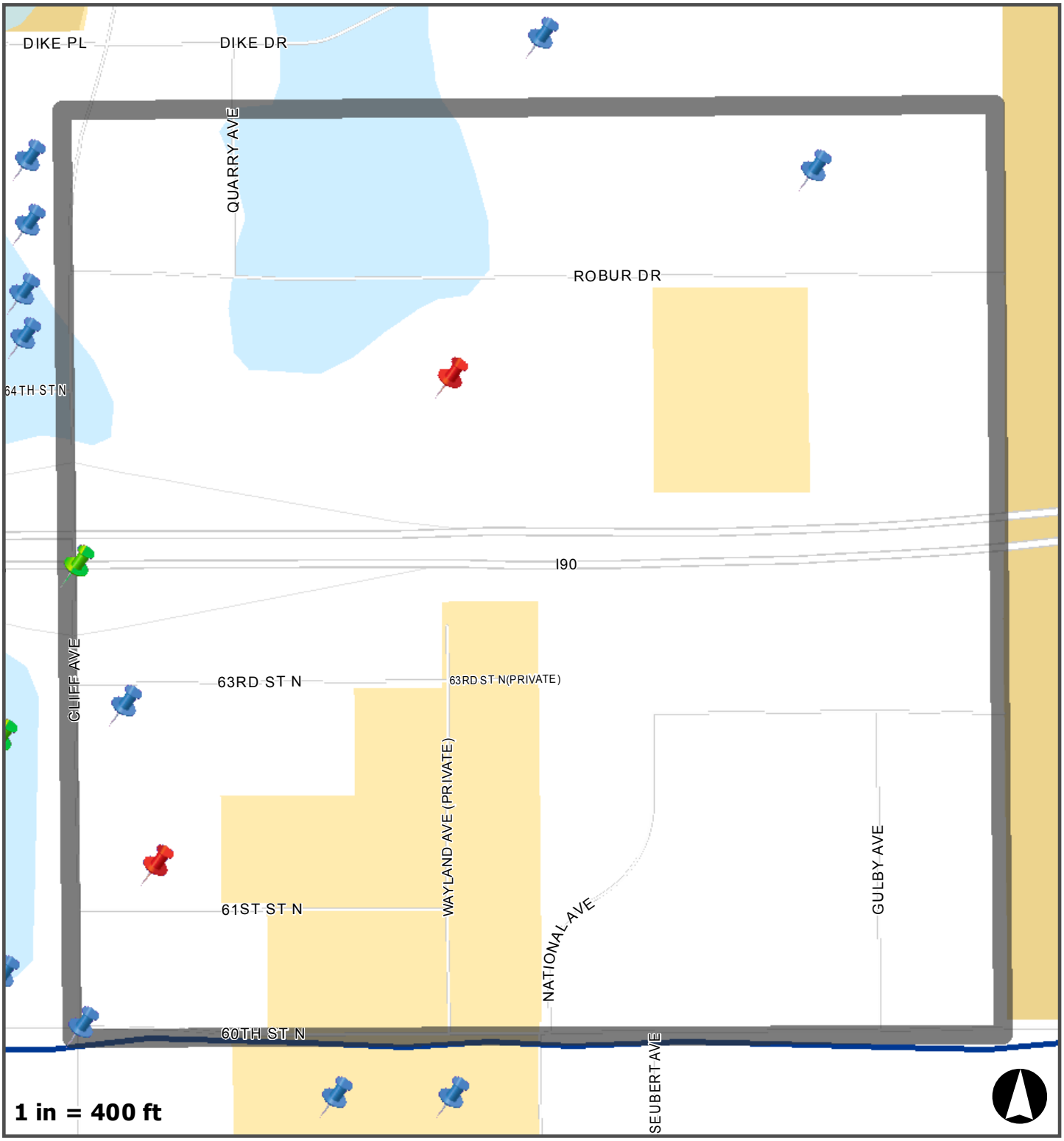
Major Gas Line

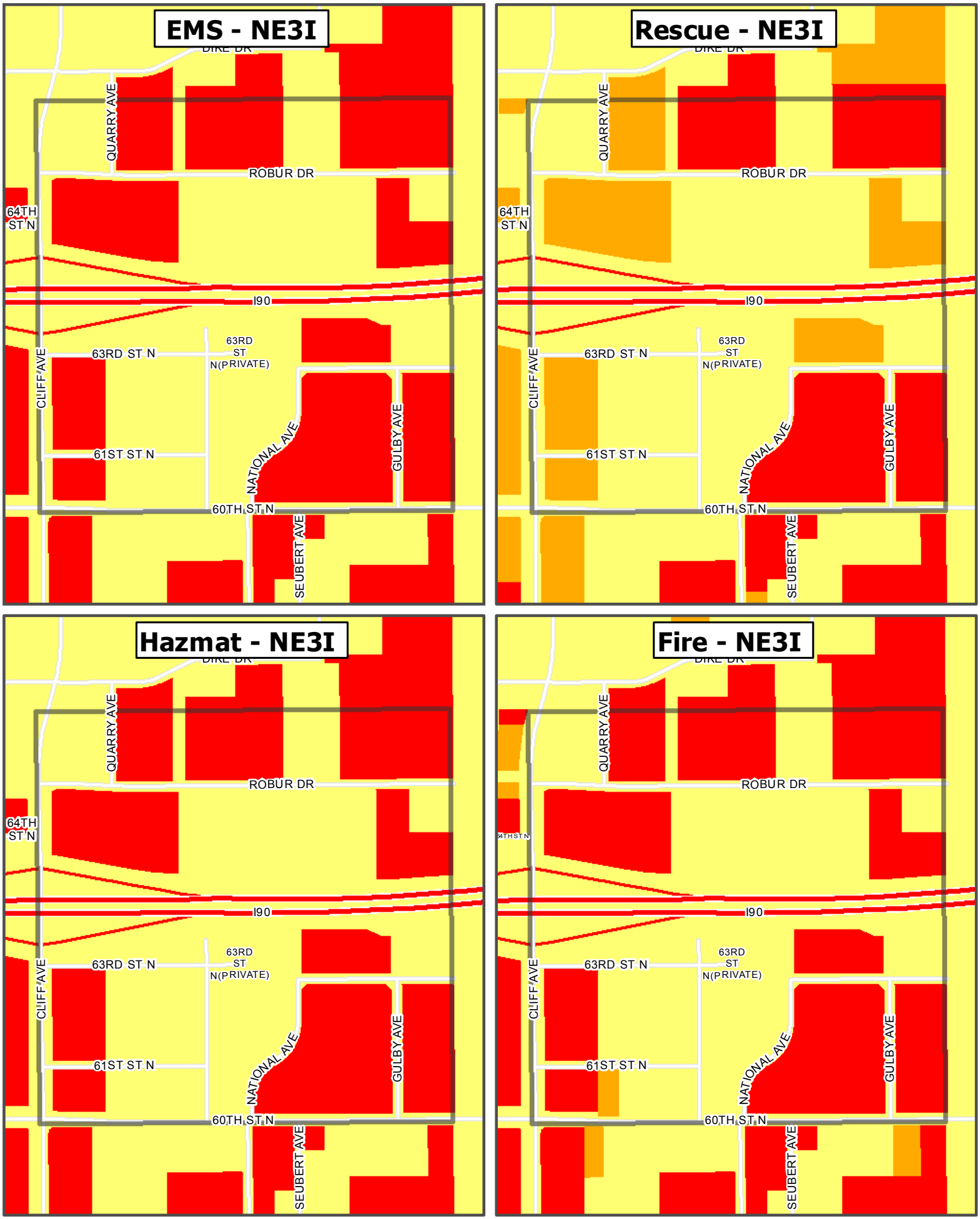
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance







Low | Moderate | High | Special

1 inch = 764 feet

2015 Hazard/Risk Analysis by Planning Zones 3J

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	2
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	13
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	1
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Pipeline intersects this quadrant		

NE3J

Fire

Rescue

HazMat

EMS

SUB Substation

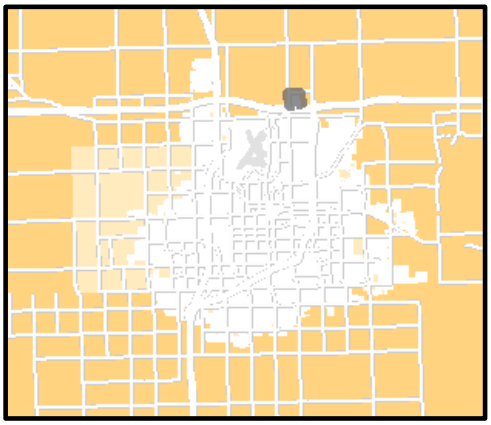
Transmission Line

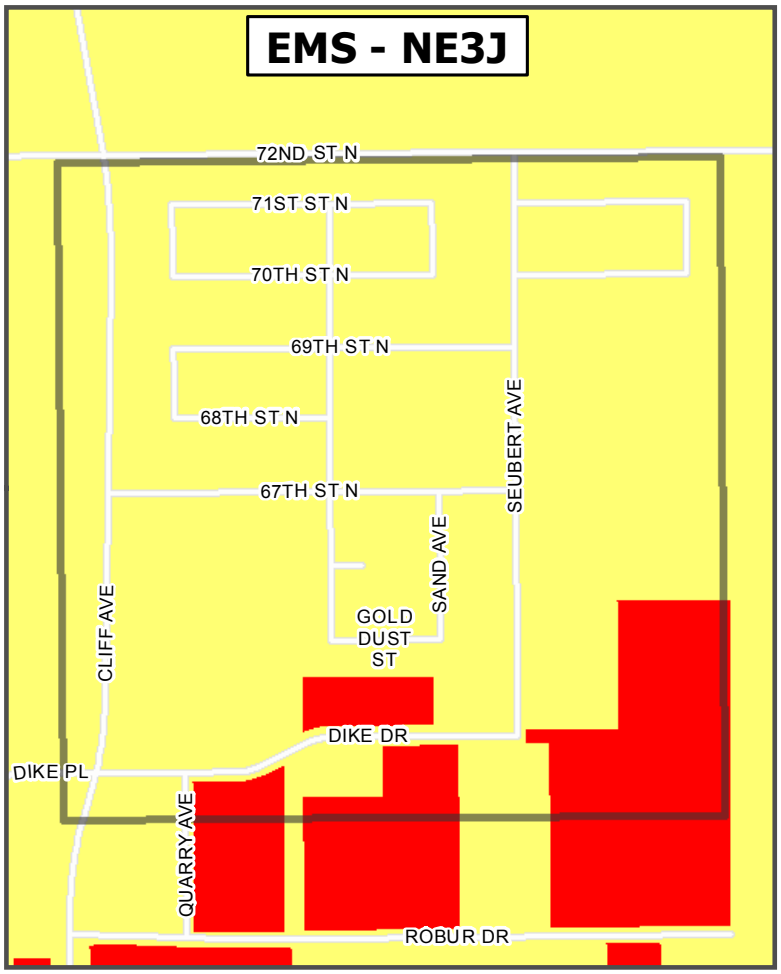
Major Gas Line

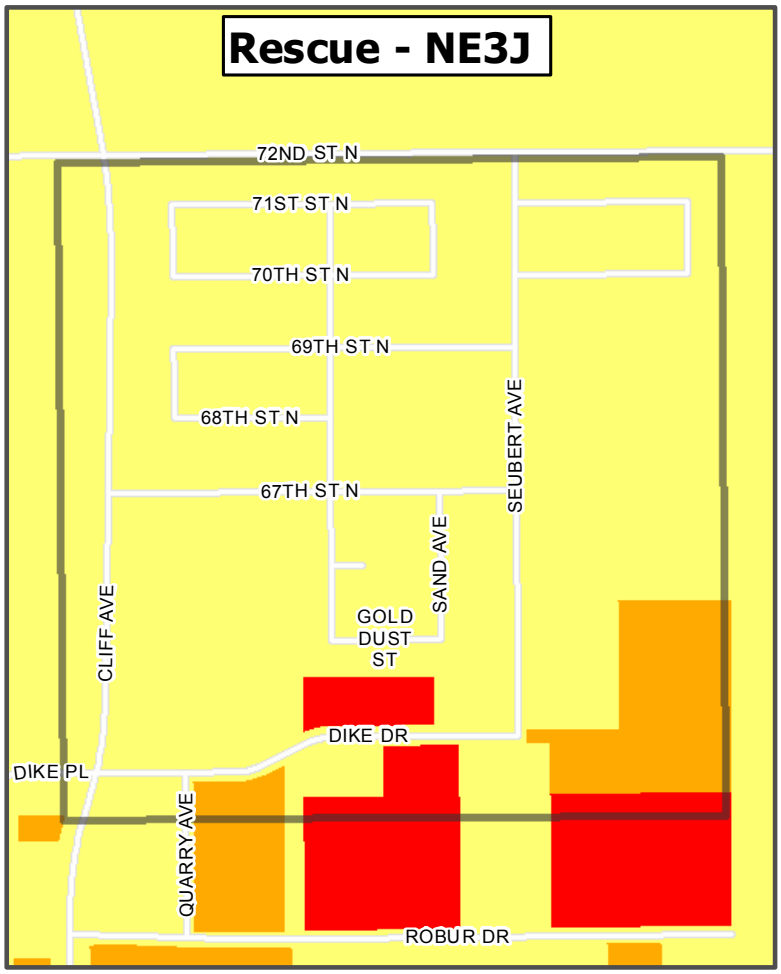
Floodplain

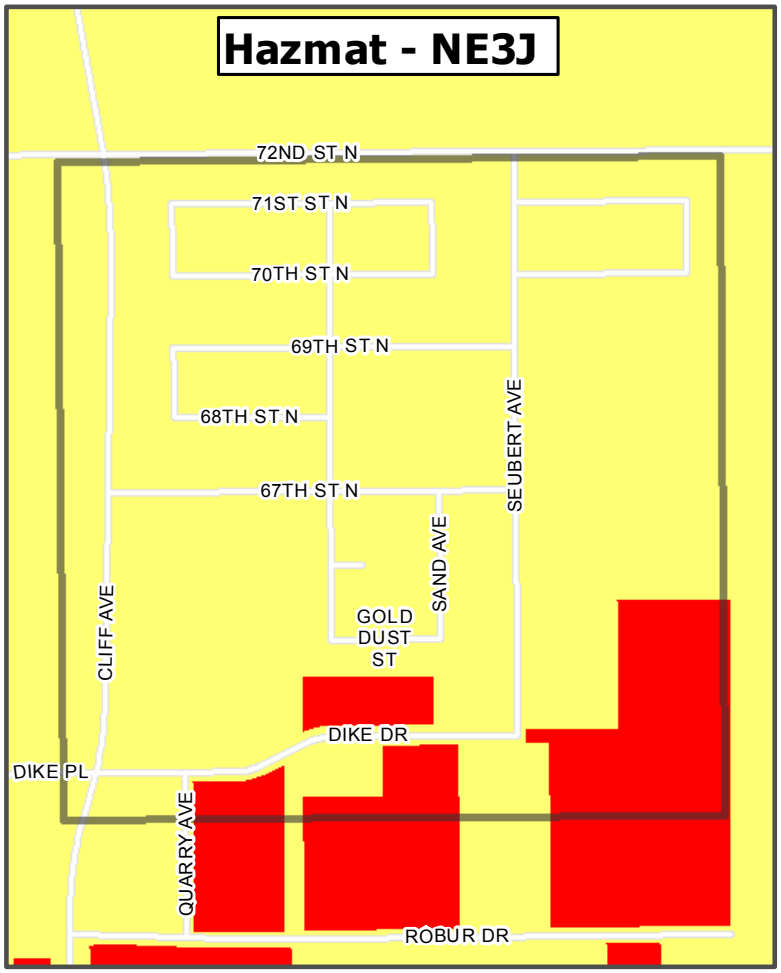
0.2 percent Annual Chance

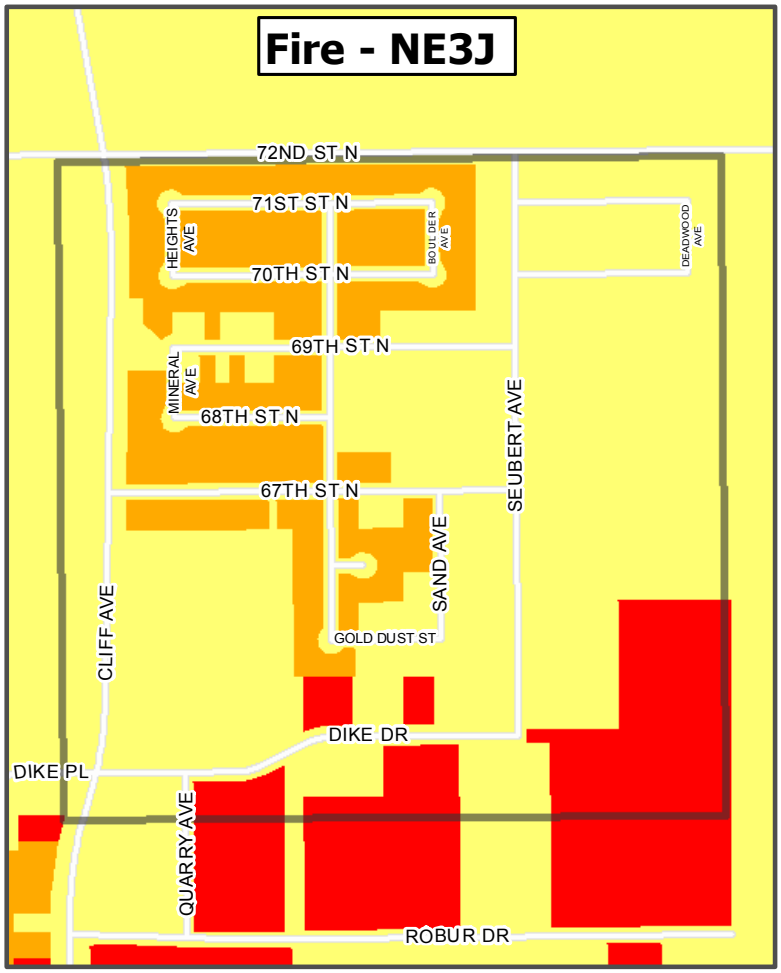
1 percent Annual Chance











Low | Moderate | High | Special

1 inch = 767 feet

2015 Hazard/Risk Analysis by Planning Zones 3K

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Pipeline intersects this quadrant		

NE3K

Fire

Rescue

HazMat

EMS

SUB Substation

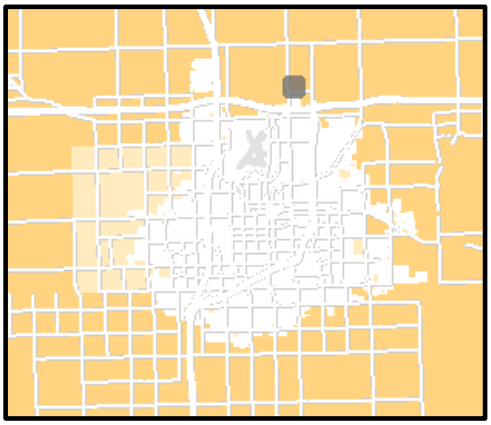
Transmission Line

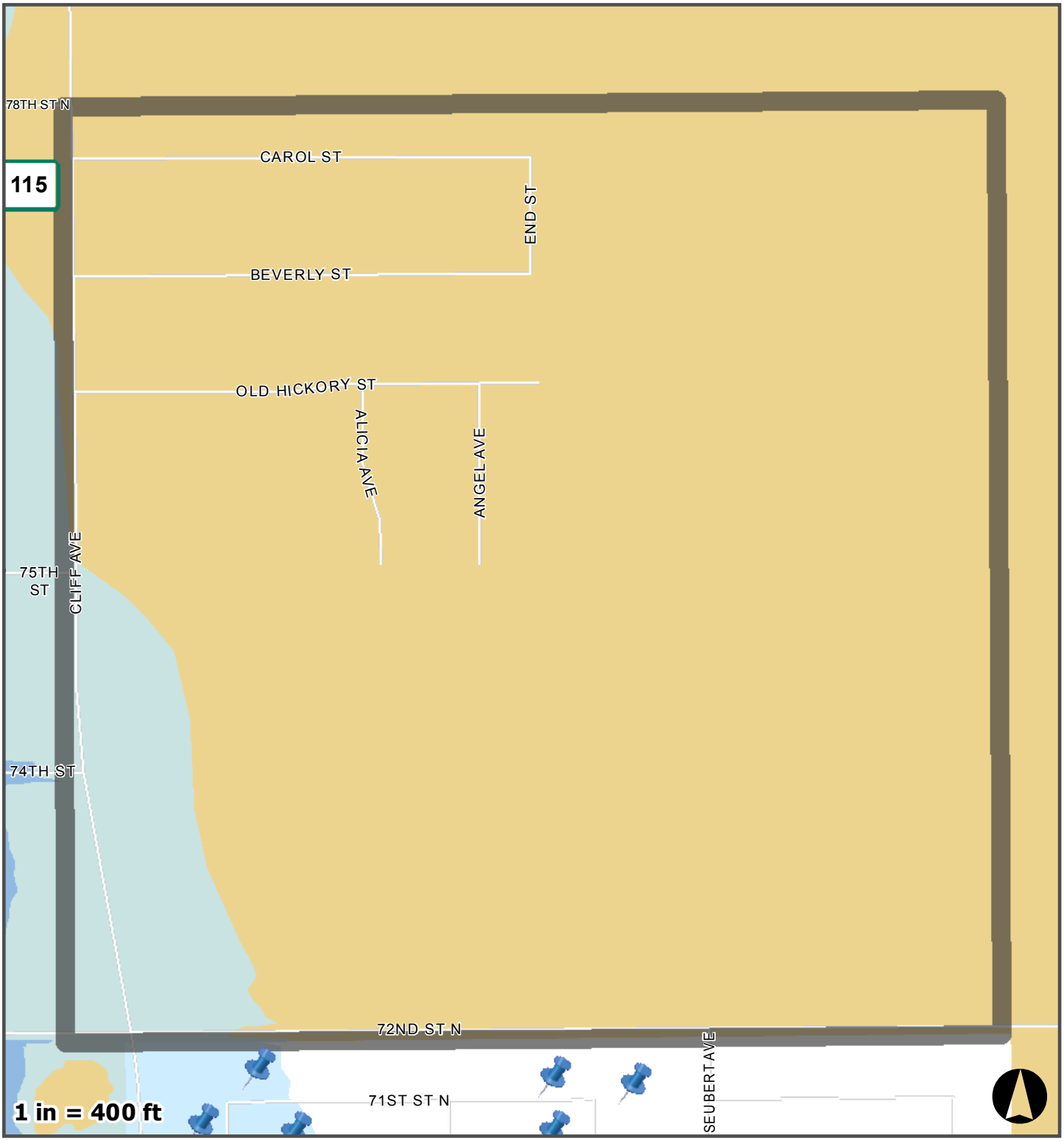
Major Gas Line

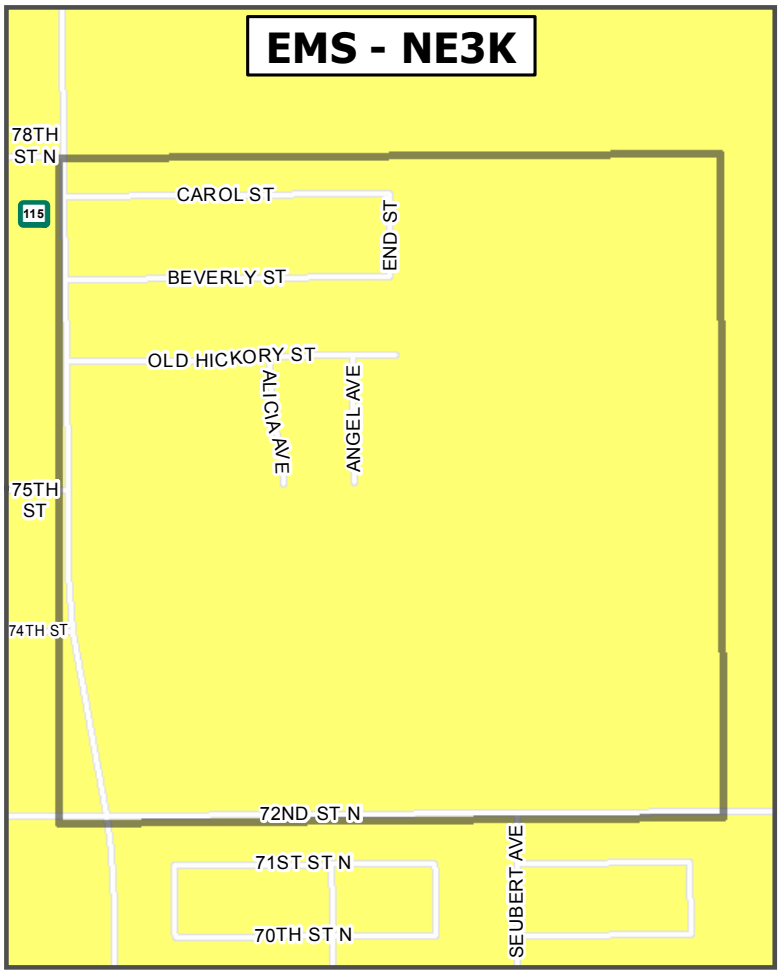
Floodplain

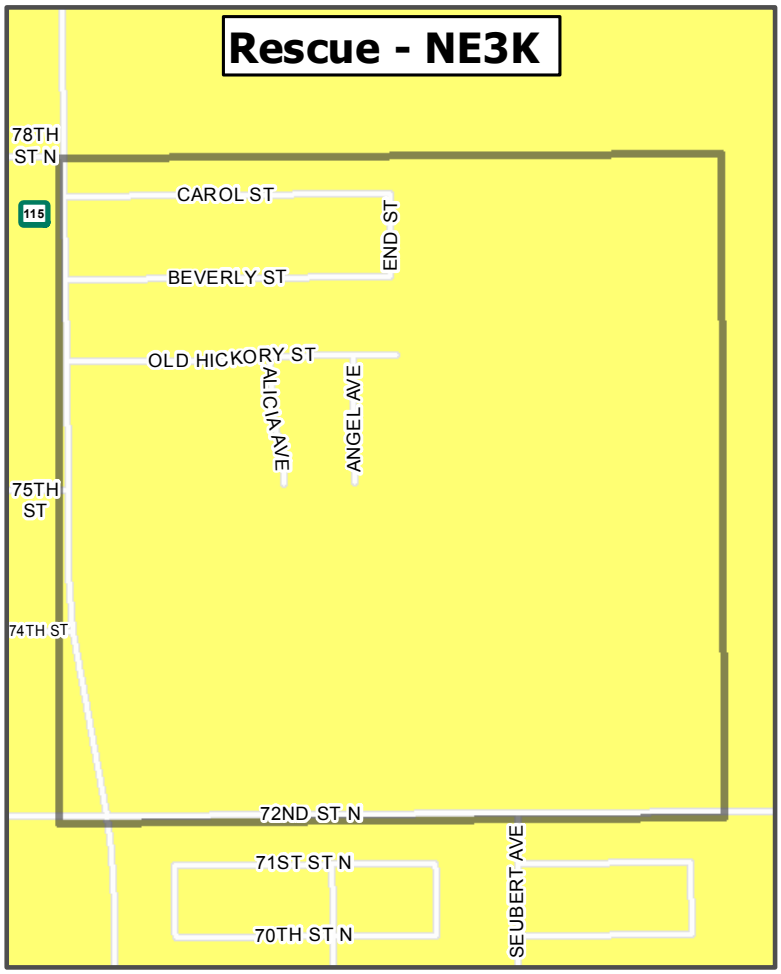
0.2 percent Annual Chance

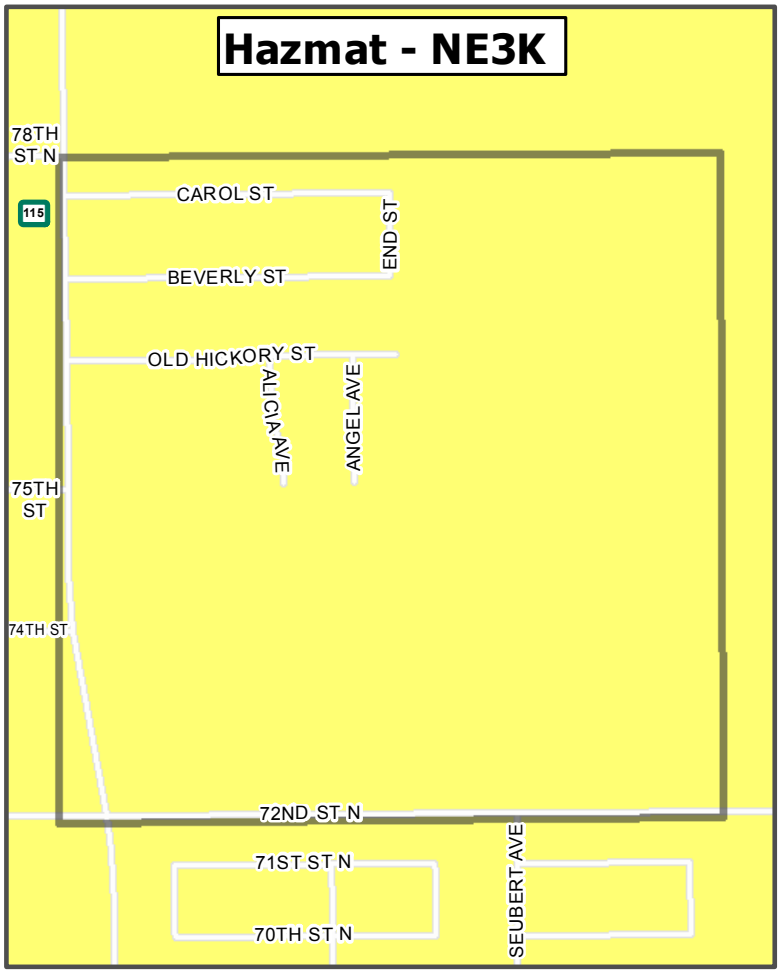
1 percent Annual Chance











Low | Moderate | High | Special

1 inch = 766 feet

2015 Hazard/Risk Analysis by Planning Zones 4A

Frequency of Fires	
Residential	3
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	105
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	12
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 95% of this quadrant lies in the flood plain (Big Sioux and Skunk Creek)		
GREAT PLAINS ZOO/CENTRAL SVS B	Type 1	Government

NE4A

Fire

Rescue

HazMat

EMS

SUB Substation

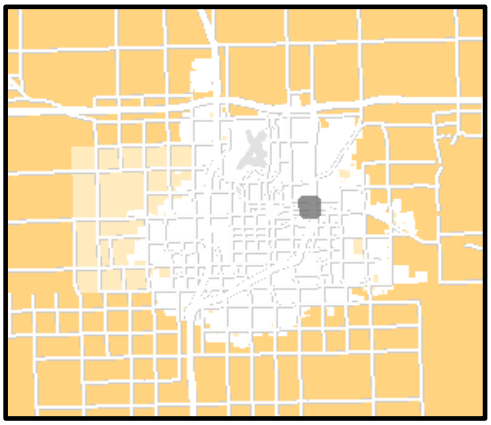
Transmission Line

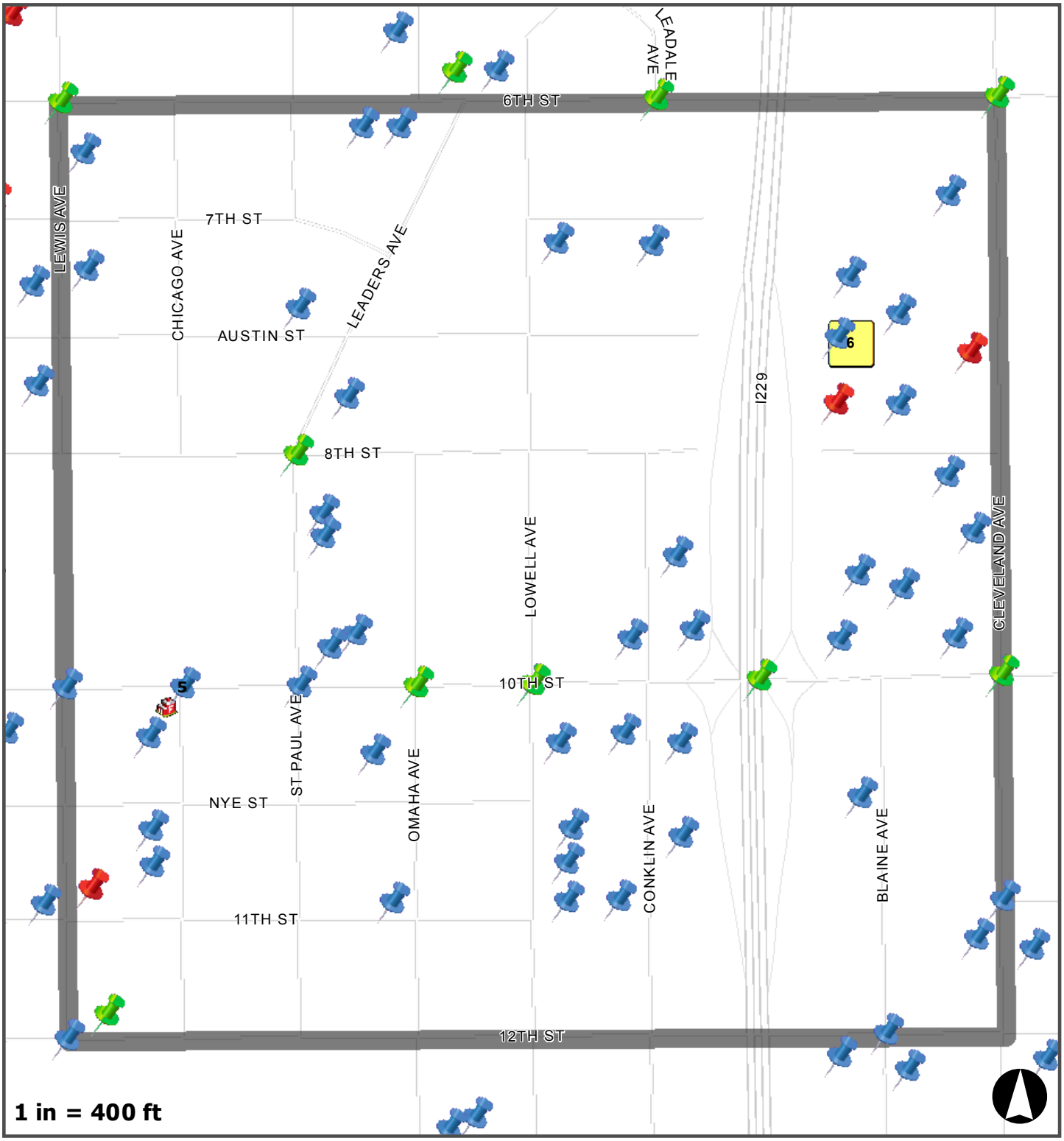
Major Gas Line

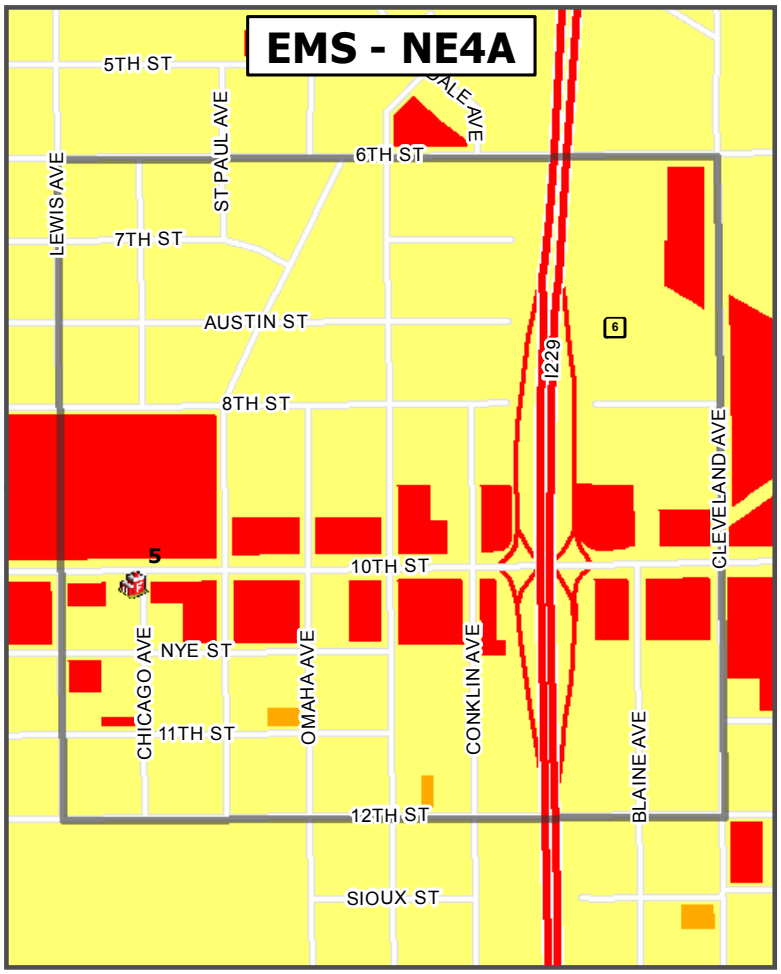
Floodplain

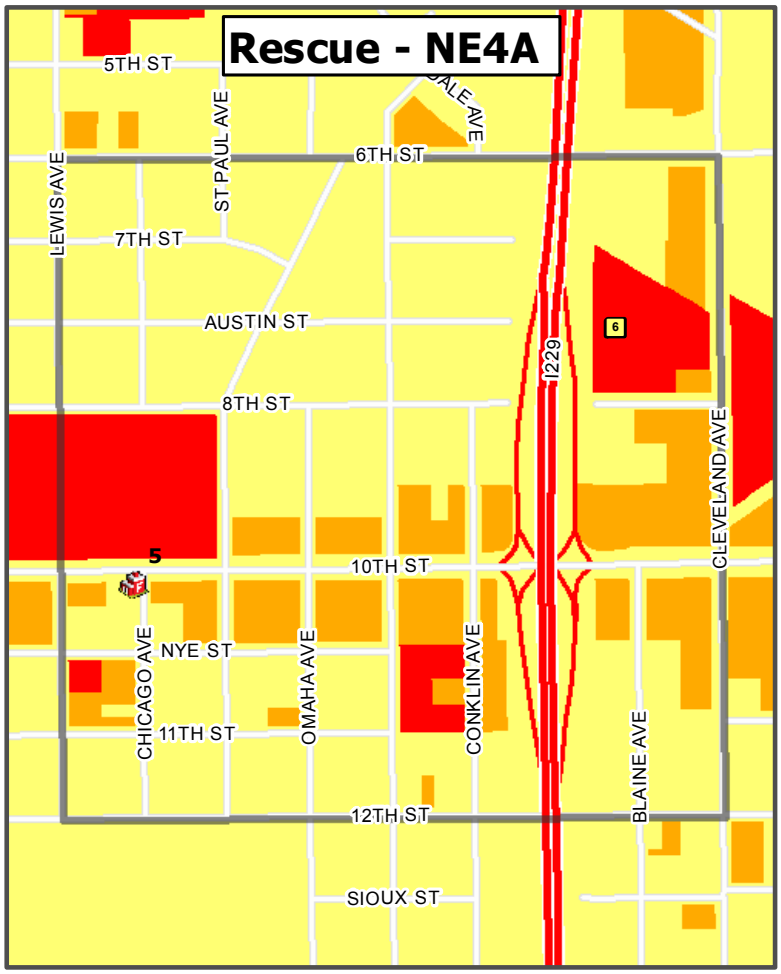
0.2 percent Annual Chance

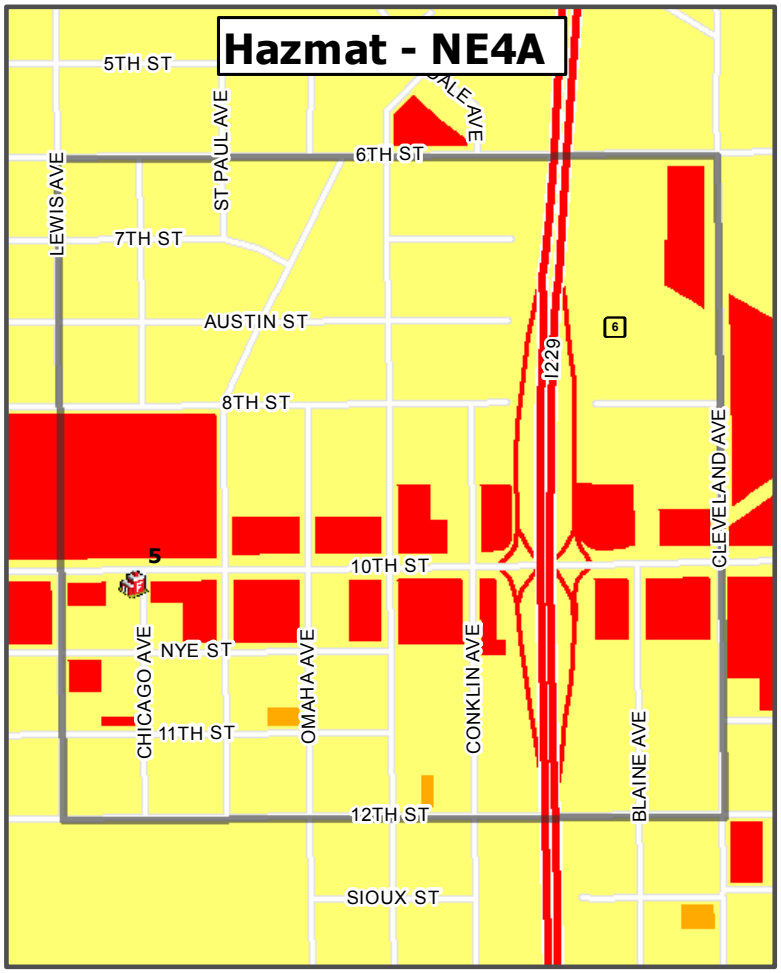
1 percent Annual Chance

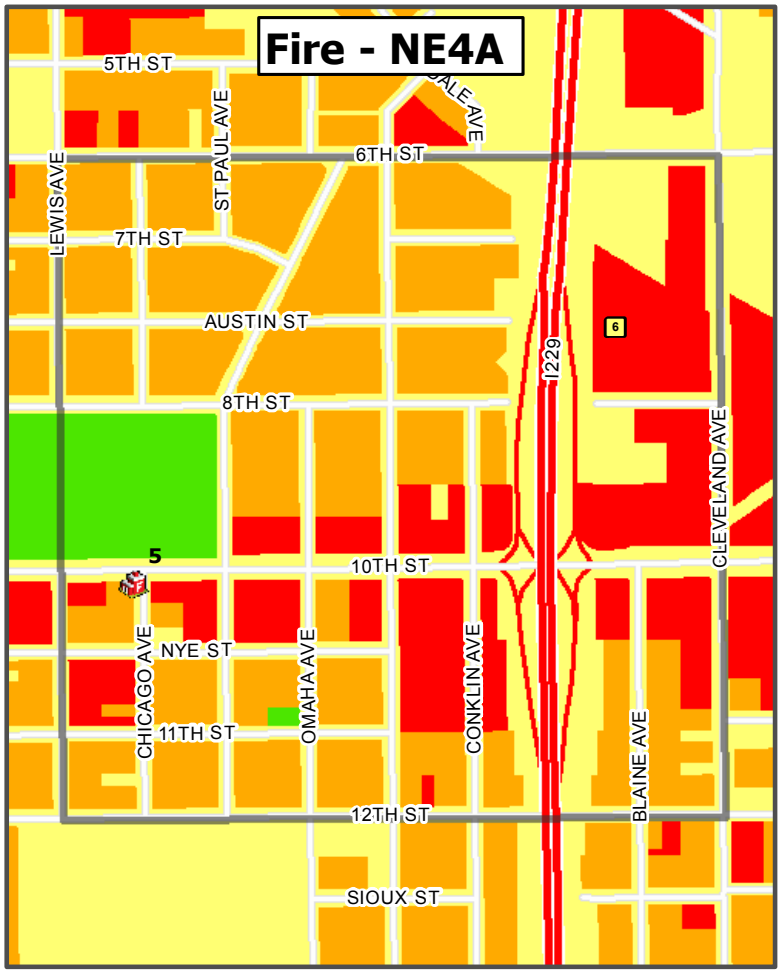












Low | Moderate | High | Special

1 inch = 770 feet

2015 Hazard/Risk Analysis by Planning Zones 4B

Frequency of Fires	
Residential	1
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	1
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	46
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	10
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 50% of this quadrant lies in the flood plain (Big Sioux and Skunk Creek)		

NE4B

Fire

Rescue

HazMat

EMS

SUB Substation

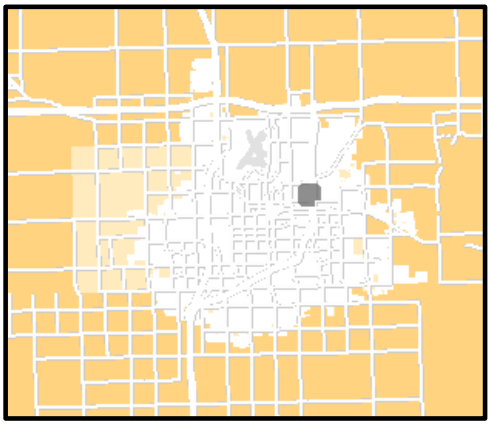
Transmission Line

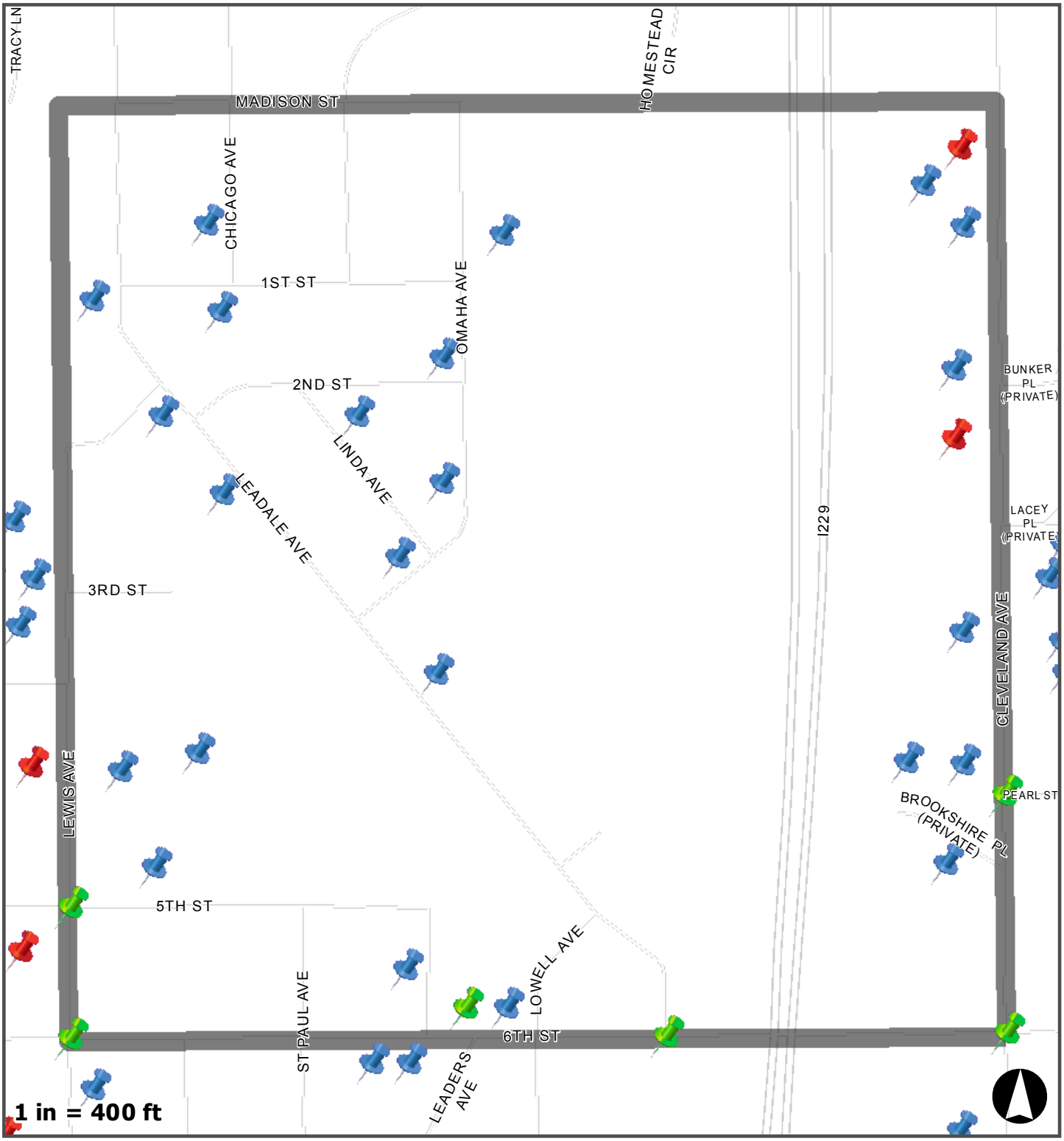
Major Gas Line

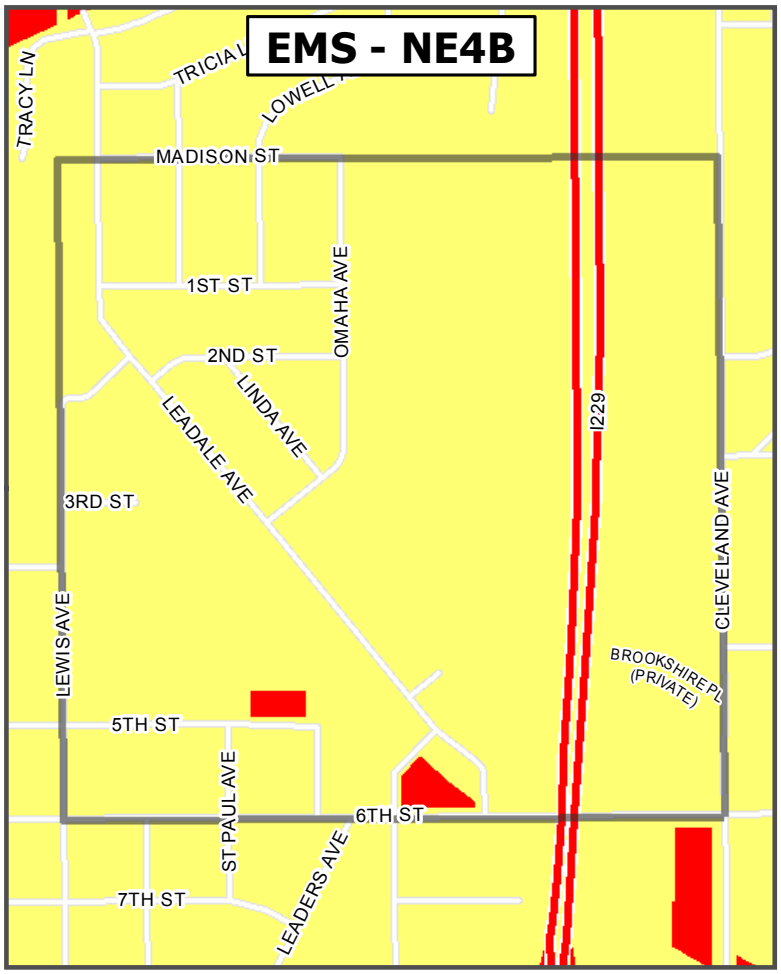
Floodplain

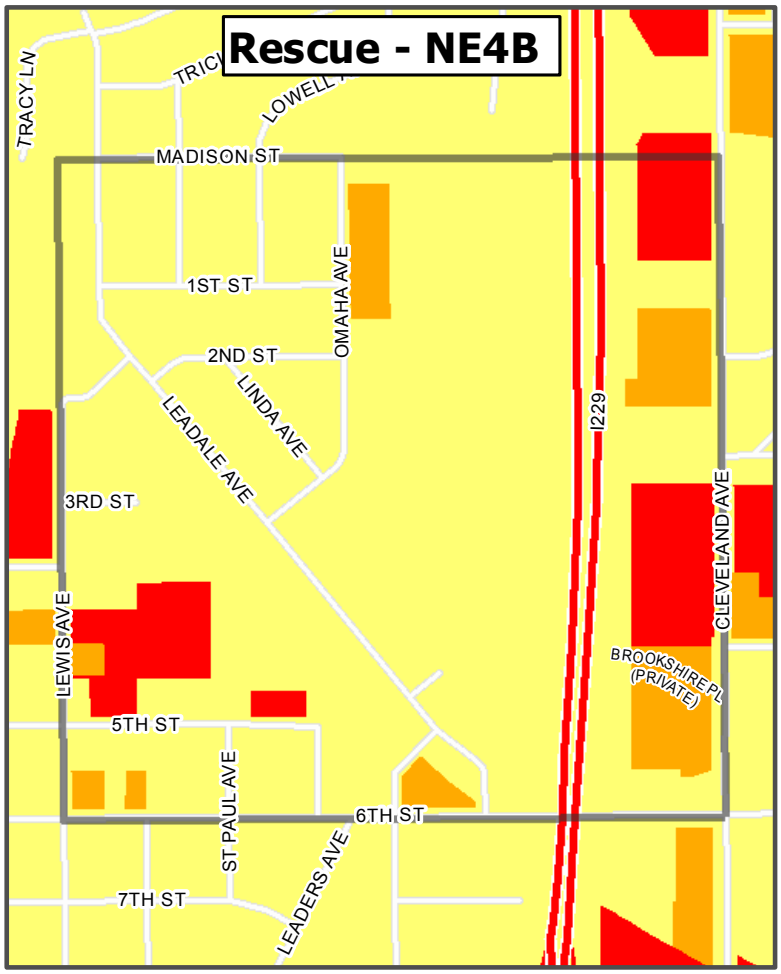
0.2 percent Annual Chance

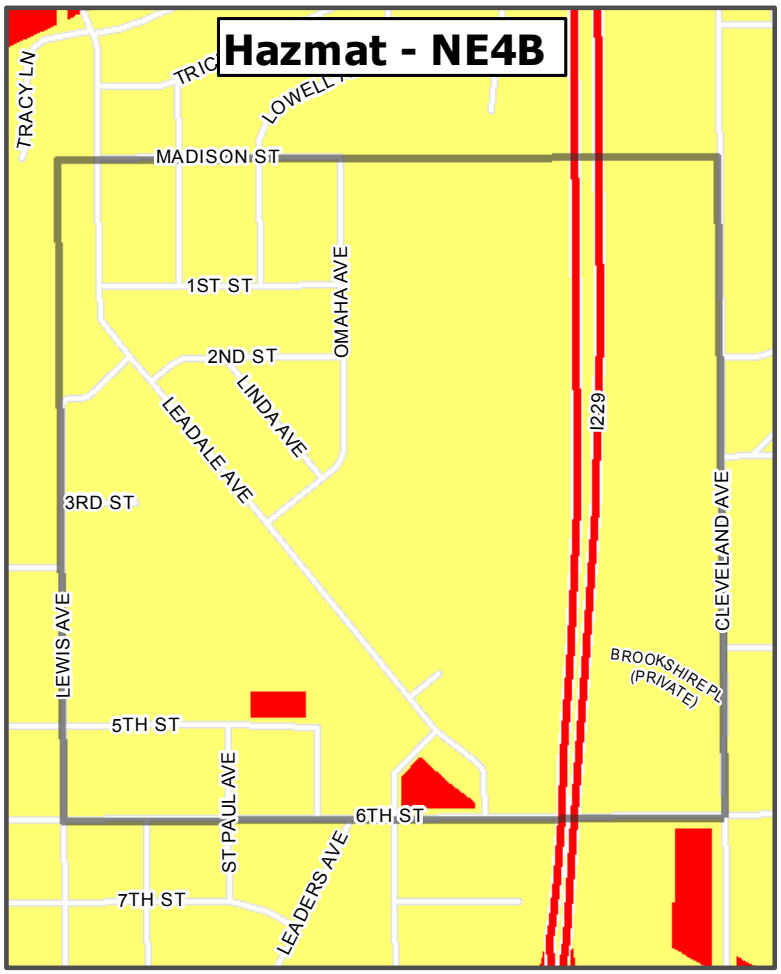
1 percent Annual Chance

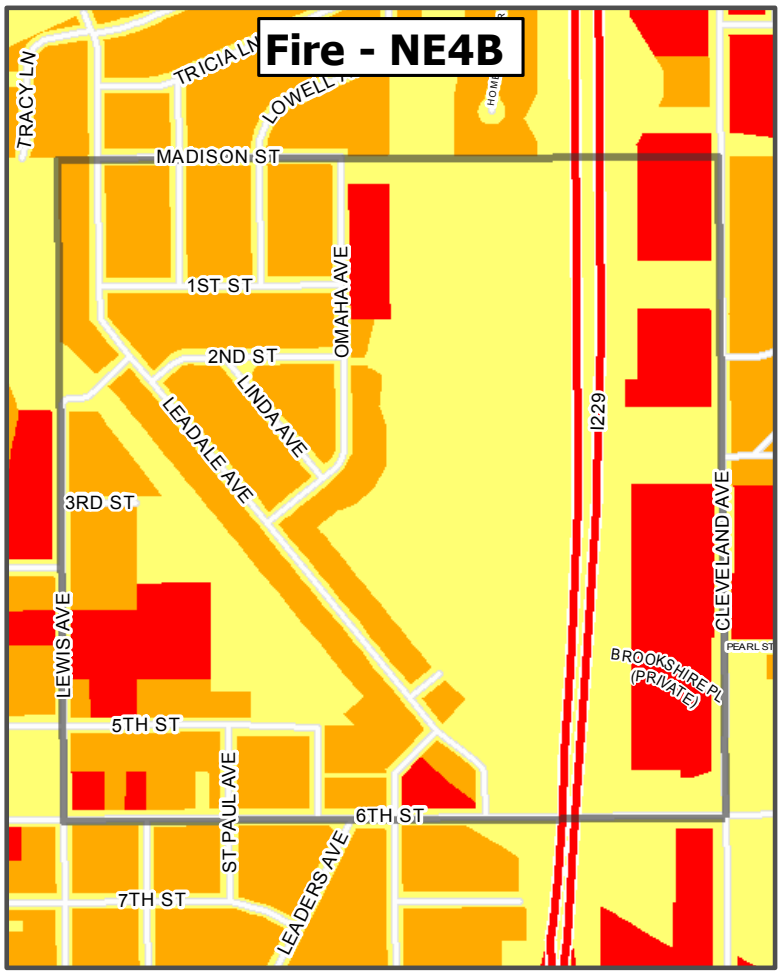












Low | Moderate | High | Special

1 inch = 770 feet

2015 Hazard/Risk Analysis by Planning Zones 4C

Frequency of Fires	
Residential	1
Commercial	0
Vehicle	0
Wildland/Brush	1
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	21
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	4
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 50% of this quadrant lies in the flood plain (Big Sioux and Skunk Creek)		

NE4C

Fire

Rescue

HazMat

EMS

SUB Substation

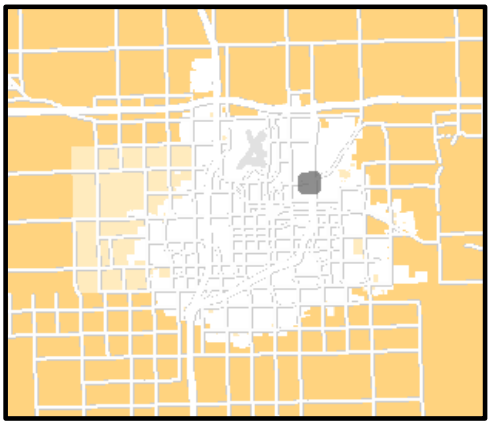
Transmission Line

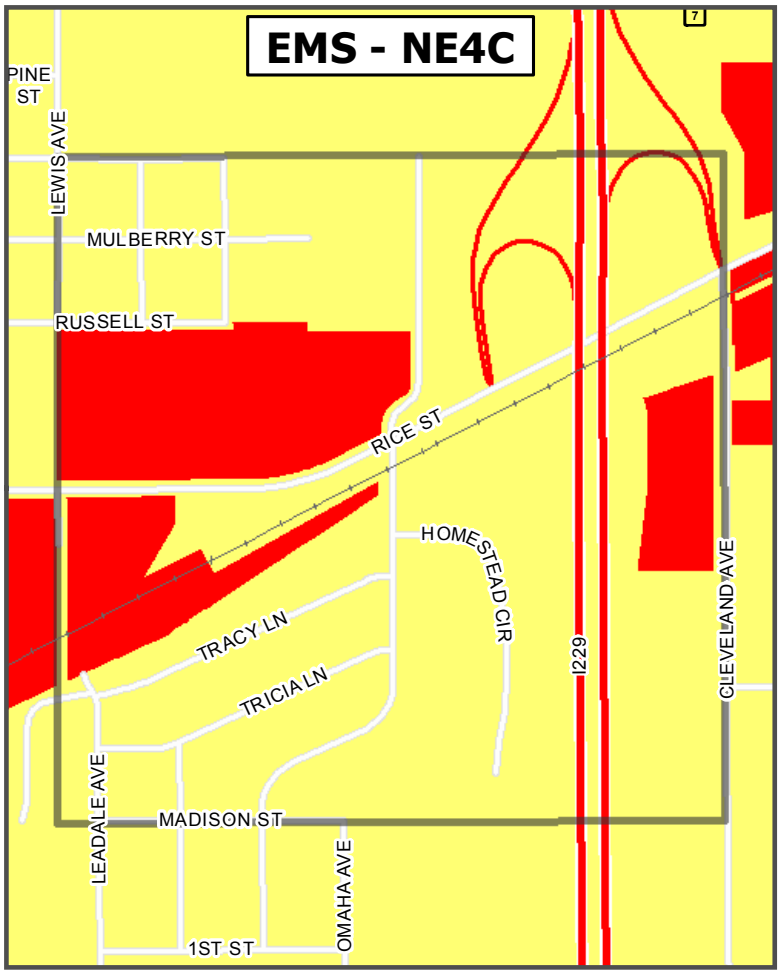
Major Gas Line

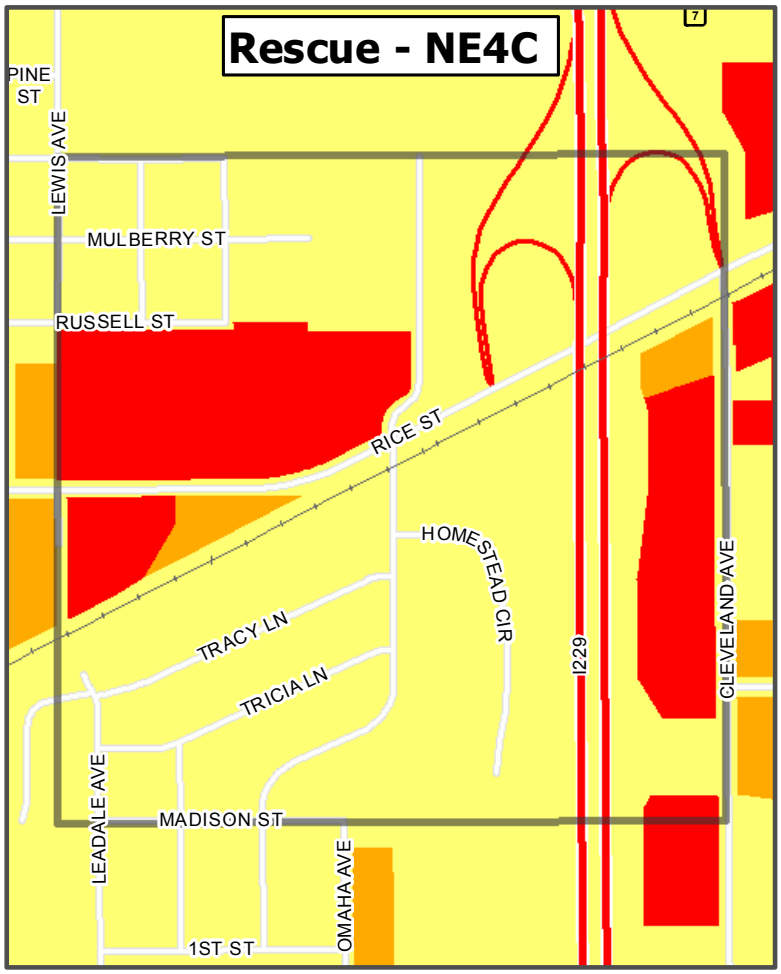
Floodplain

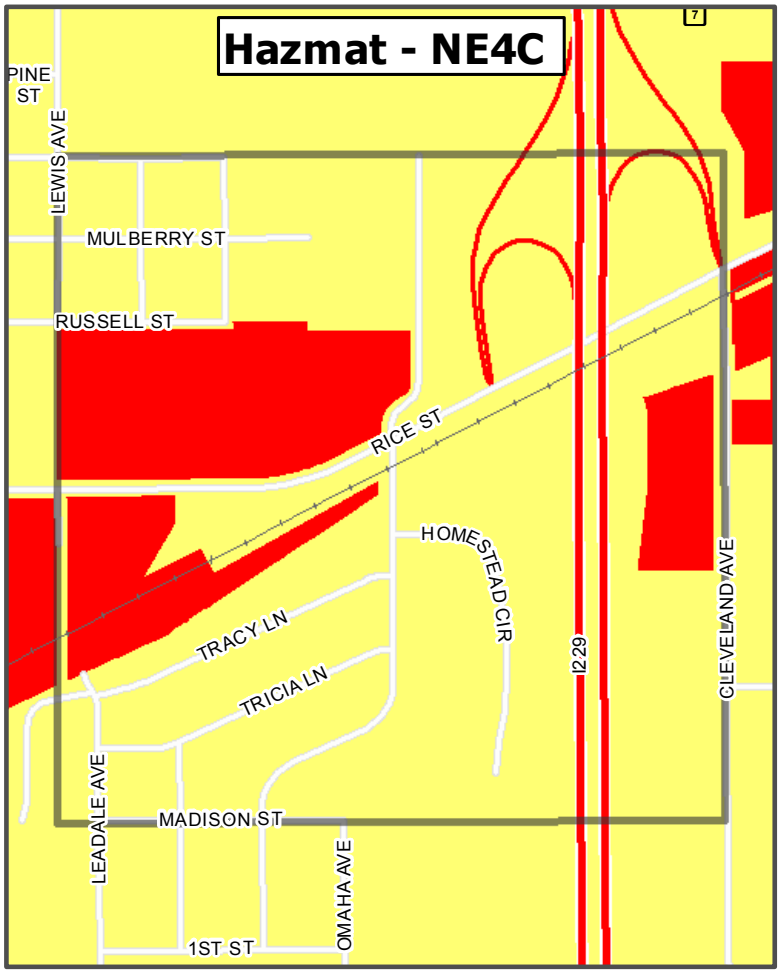
0.2 percent Annual Chance

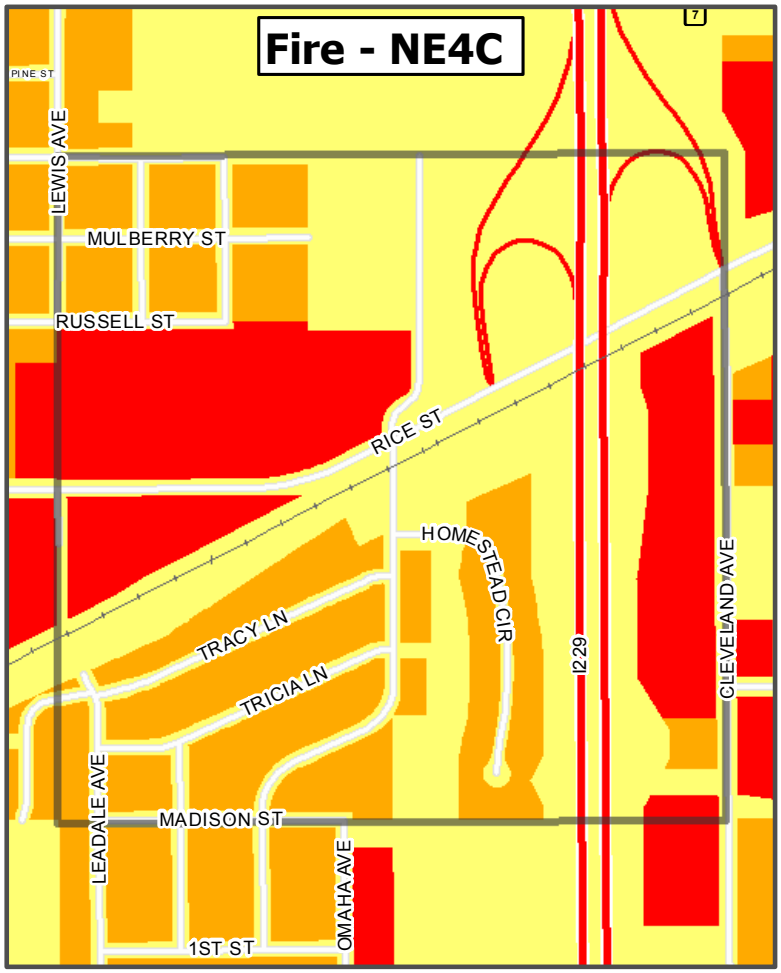
1 percent Annual Chance











Low | Moderate | High | Special

1 inch = 761 feet

2015 Hazard/Risk Analysis by Planning Zones 4D

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 40% of this quadrant lies in the flood plain (Big Sioux)		
VISTA PARK OFFICE-NAT AMERICAN UNIVER	Type 2	High Rise
O'GORMAN MIDDLE SCHOOL	Type 1	School
O'GORMAN HIGH SCHOOL	Type 1	School
VISTA TOWERS	Type 2	High Rise

NE4D

Fire

Rescue

HazMat

EMS

SUB Substation

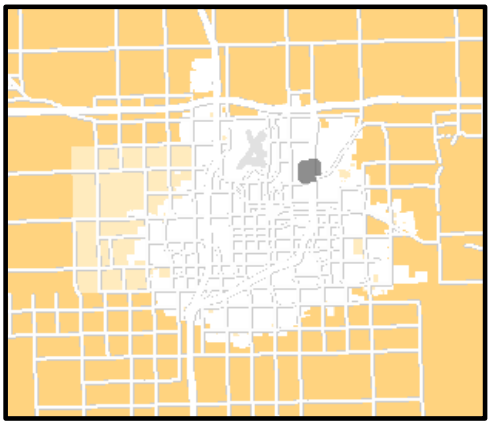
Transmission Line

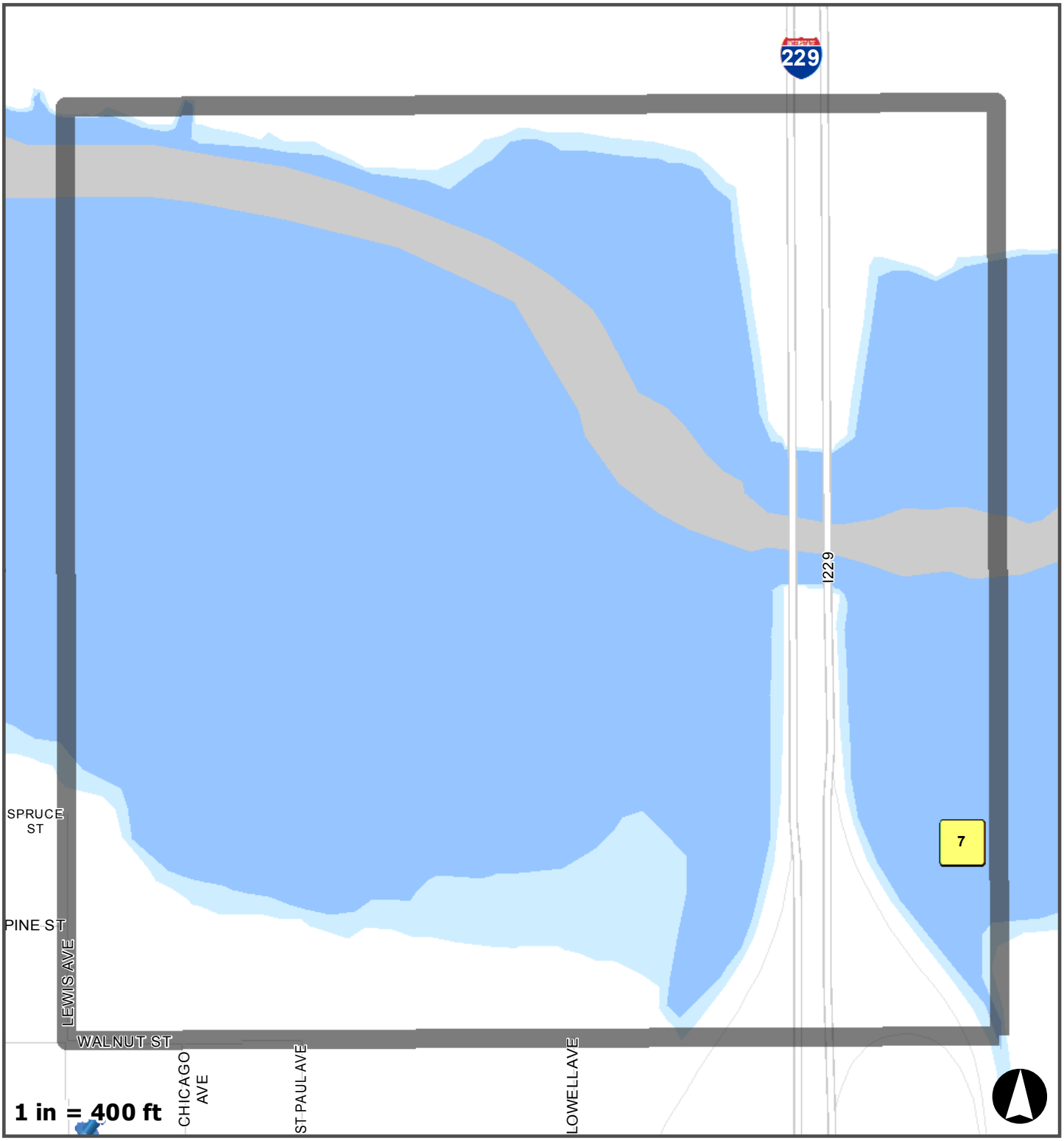
Major Gas Line

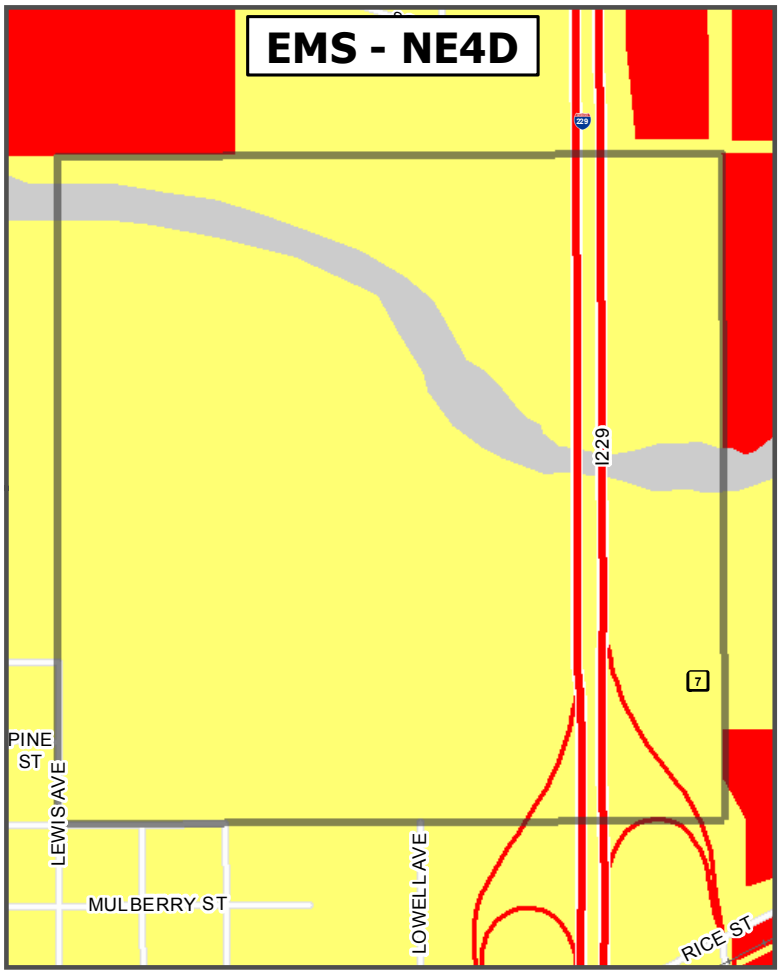
Floodplain

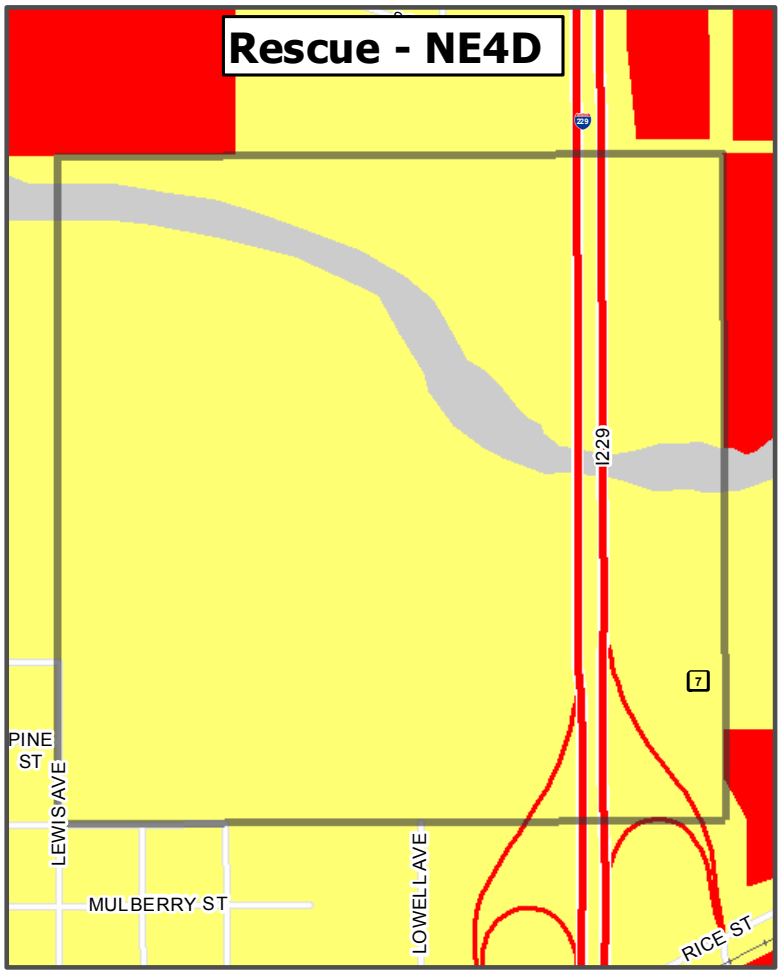
0.2 percent Annual Chance

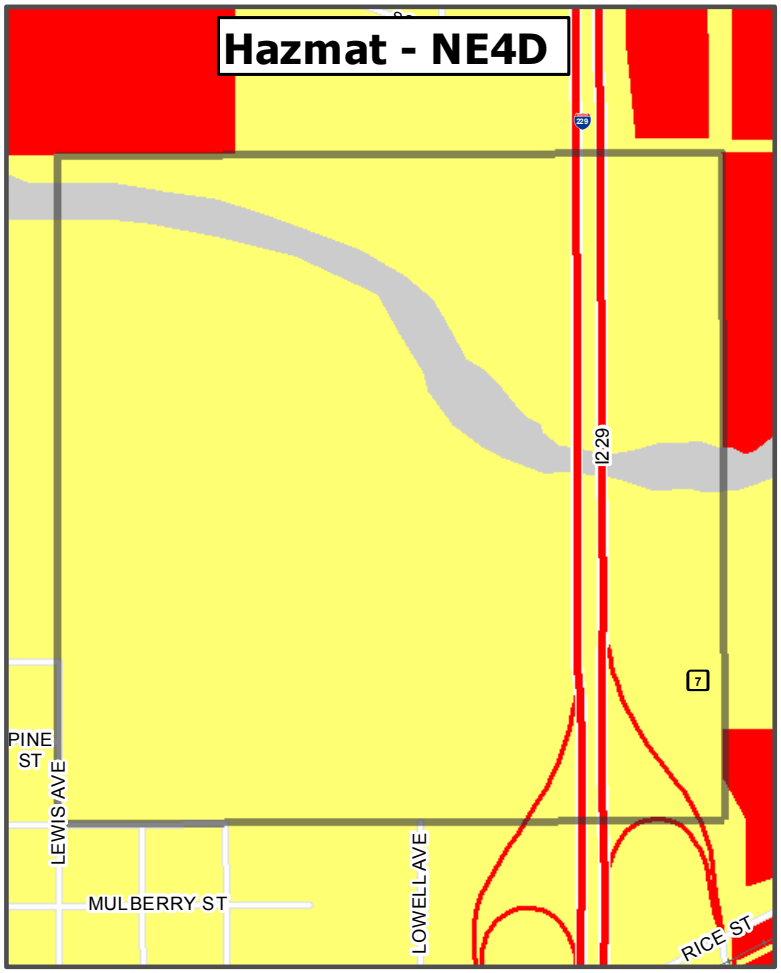
1 percent Annual Chance

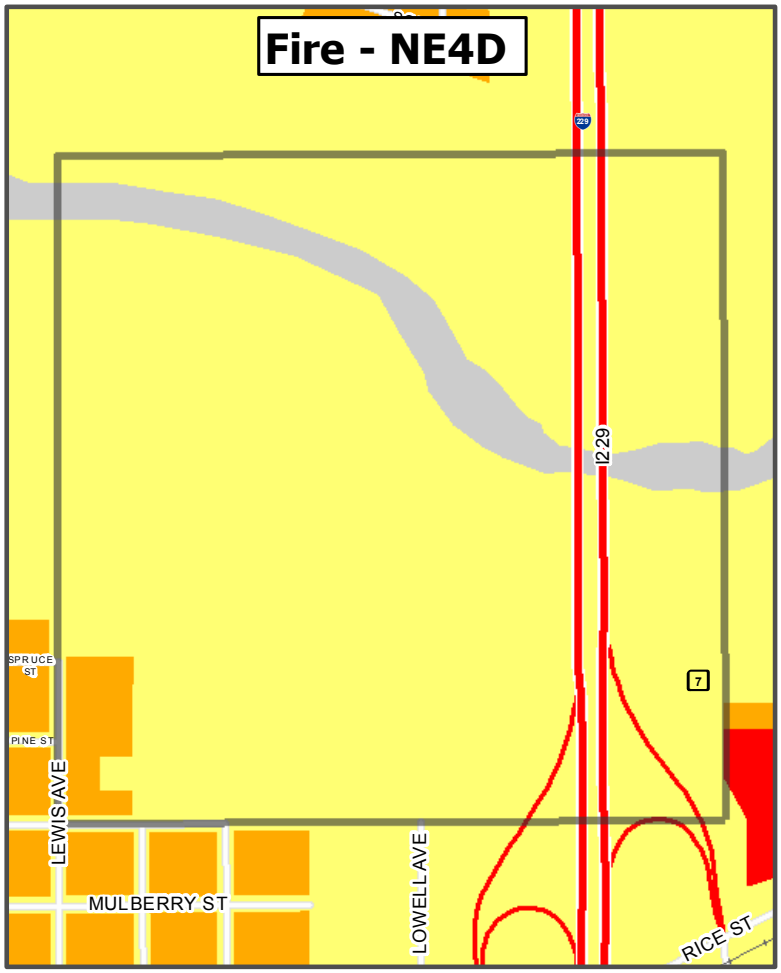












Low | Moderate | High | Special

1 inch = 761 feet

2015 Hazard/Risk Analysis by Planning Zones 4E

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	10
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 95% of this quadrant lies in the flood plain	(Big Sioux)	
EMPIRE EAST MALL	Type 2	Business
INN ON WESTPORT	Type 2	Hospital/Nursing Home

NE4E

Fire

Rescue

HazMat

EMS

SUB Substation

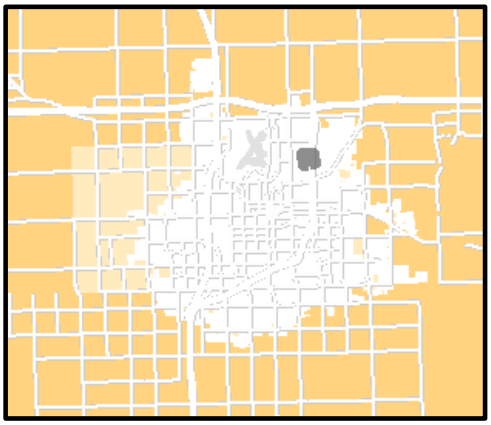
Transmission Line

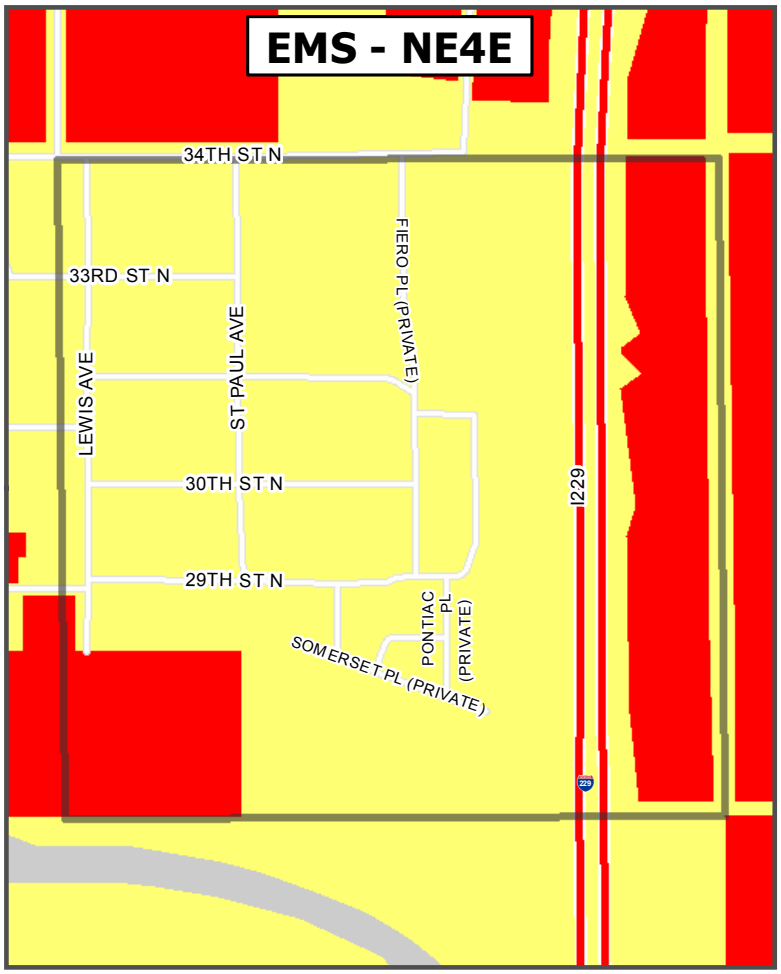
Major Gas Line

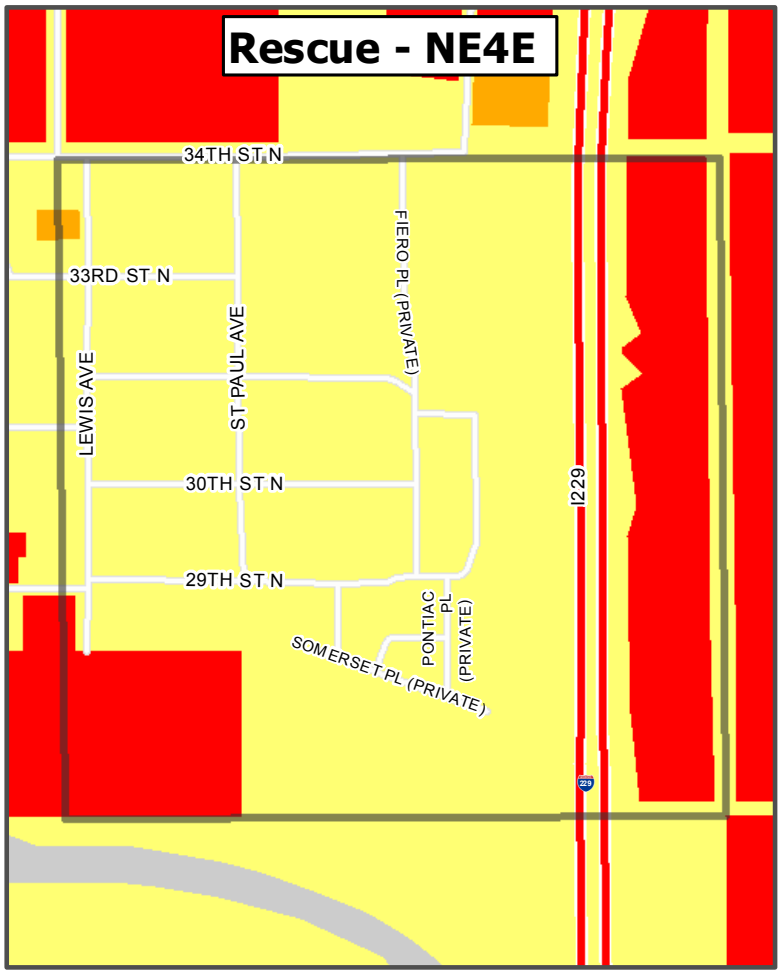
Floodplain

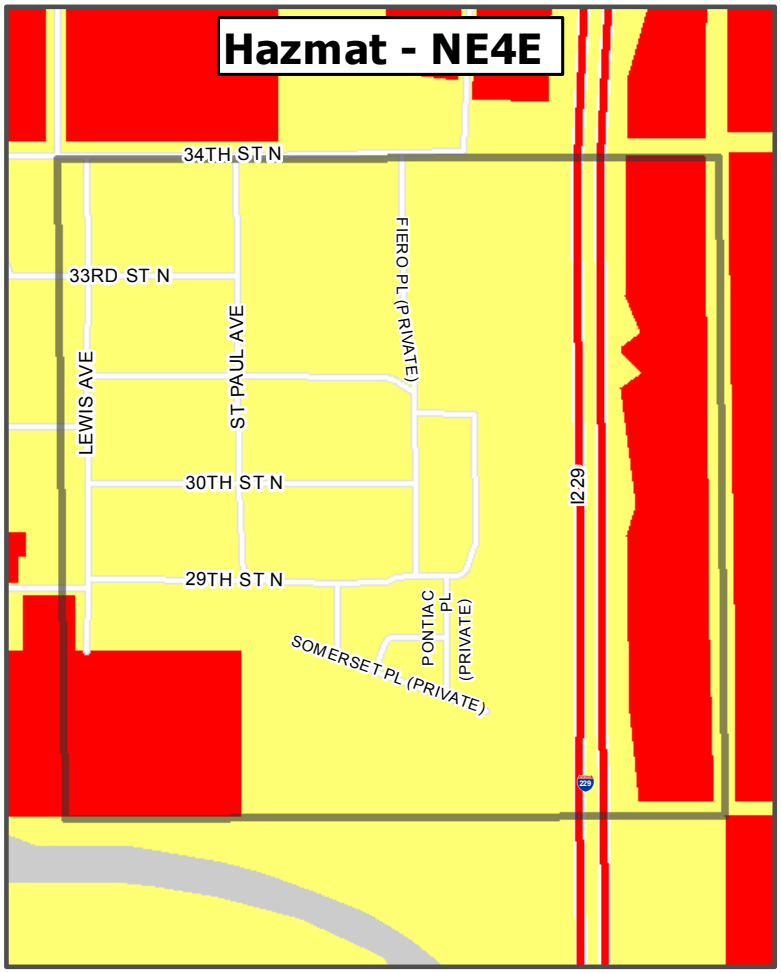
0.2 percent Annual Chance

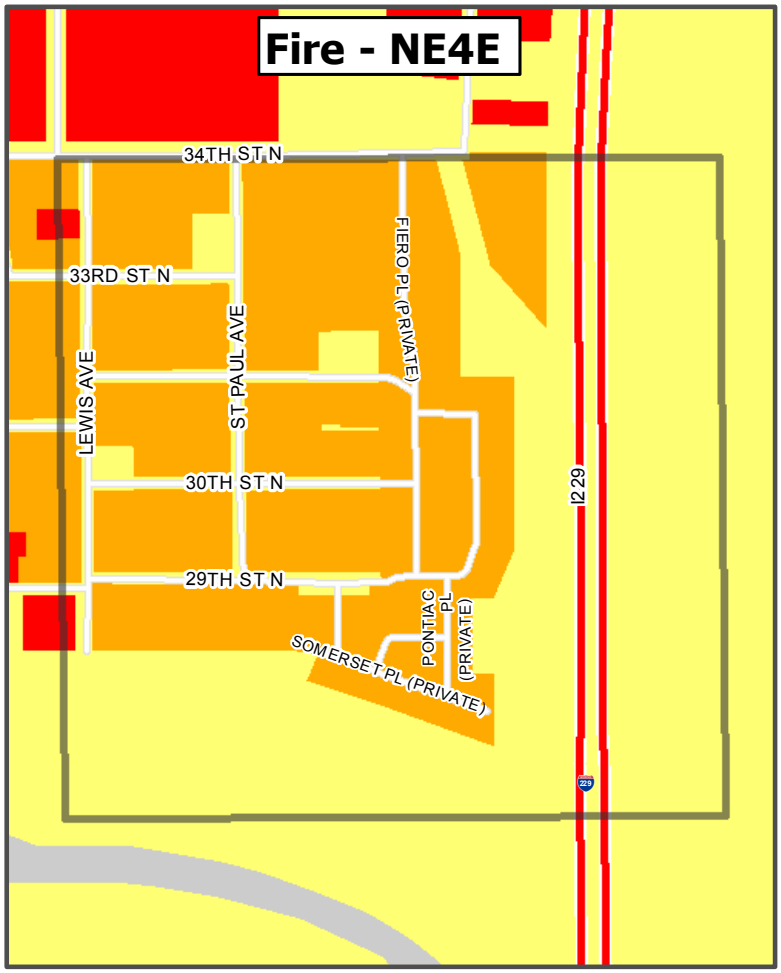
1 percent Annual Chance











Low | Moderate | High | Special

1 inch = 765 feet

2015 Hazard/Risk Analysis by Planning Zones 4F

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	1
Trash	0
Miscellaneous	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	4
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	6
EMS Calls-High	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 75% of this quadrant lies in the flood plain (Big Sioux)		
SF SCHOOLS SUCCESS ACADEMY	Type 1	School

NE4F

Fire

Rescue

HazMat

EMS

SUB Substation

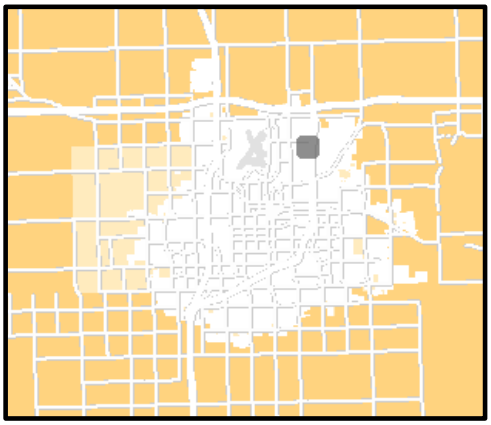
Transmission Line

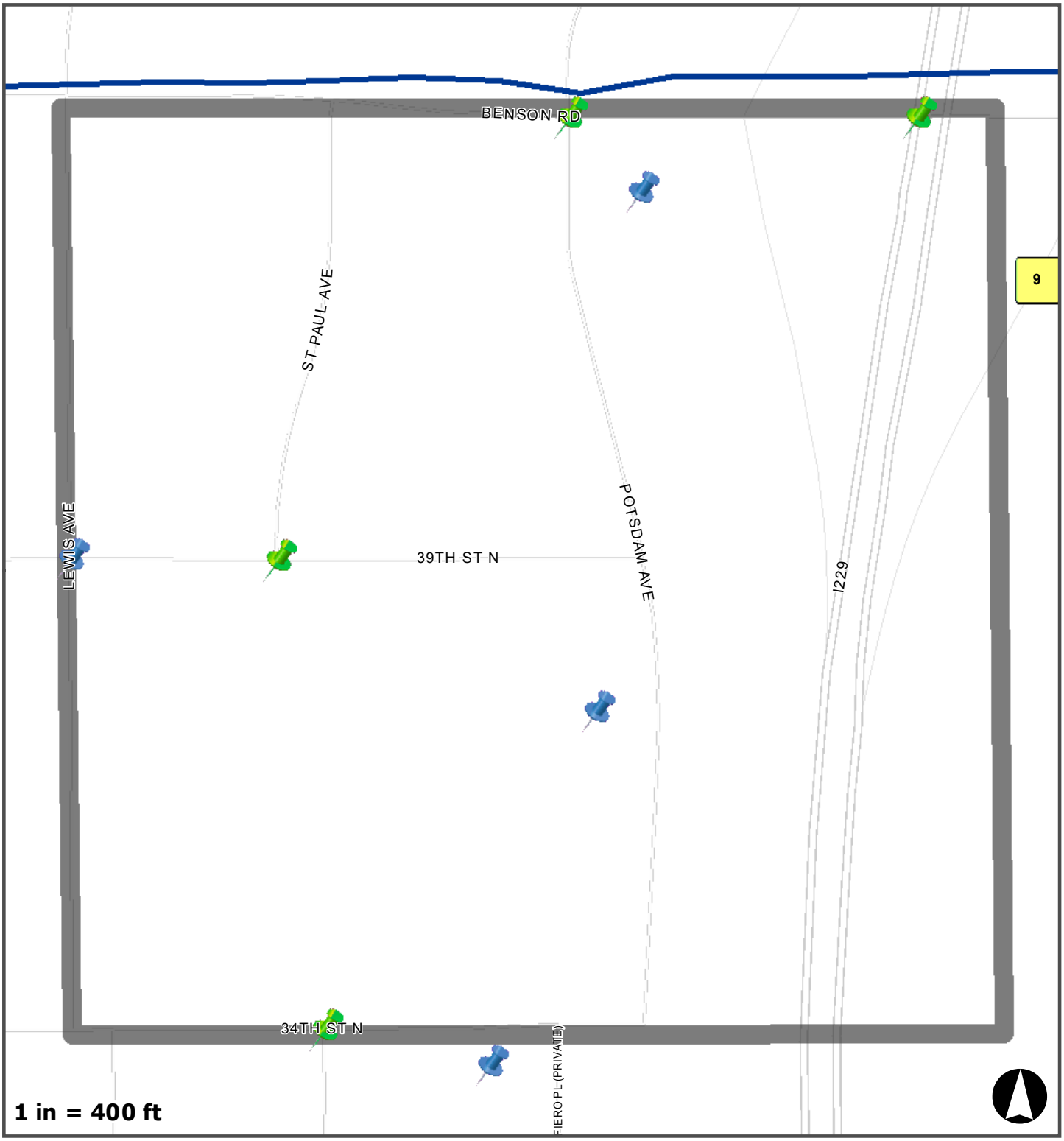
Major Gas Line

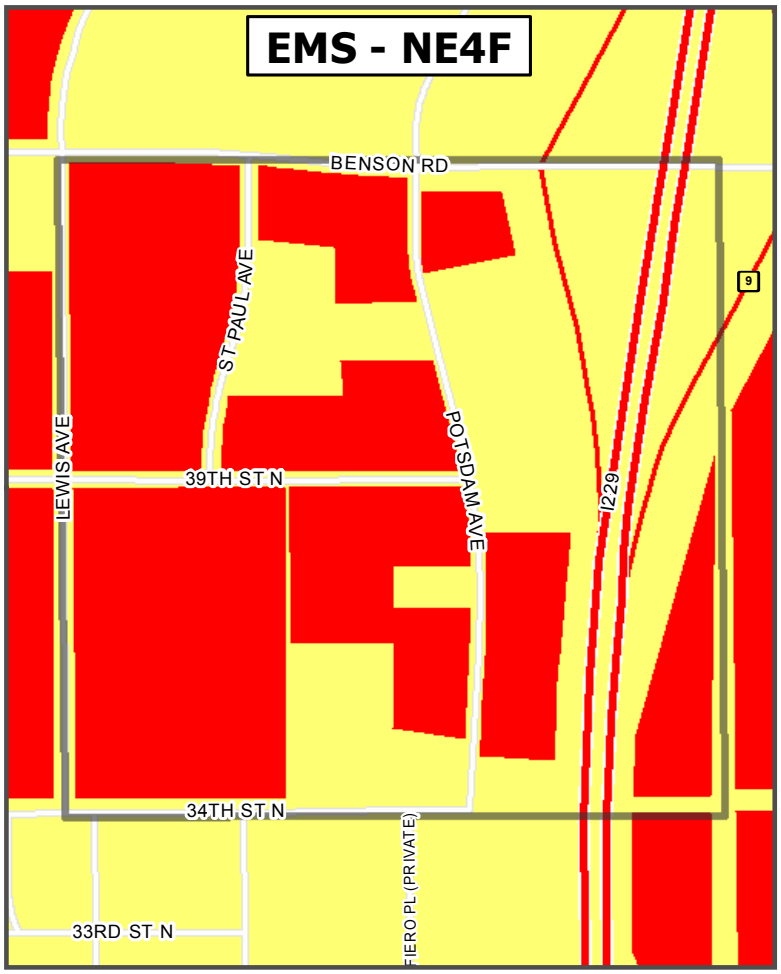
Floodplain

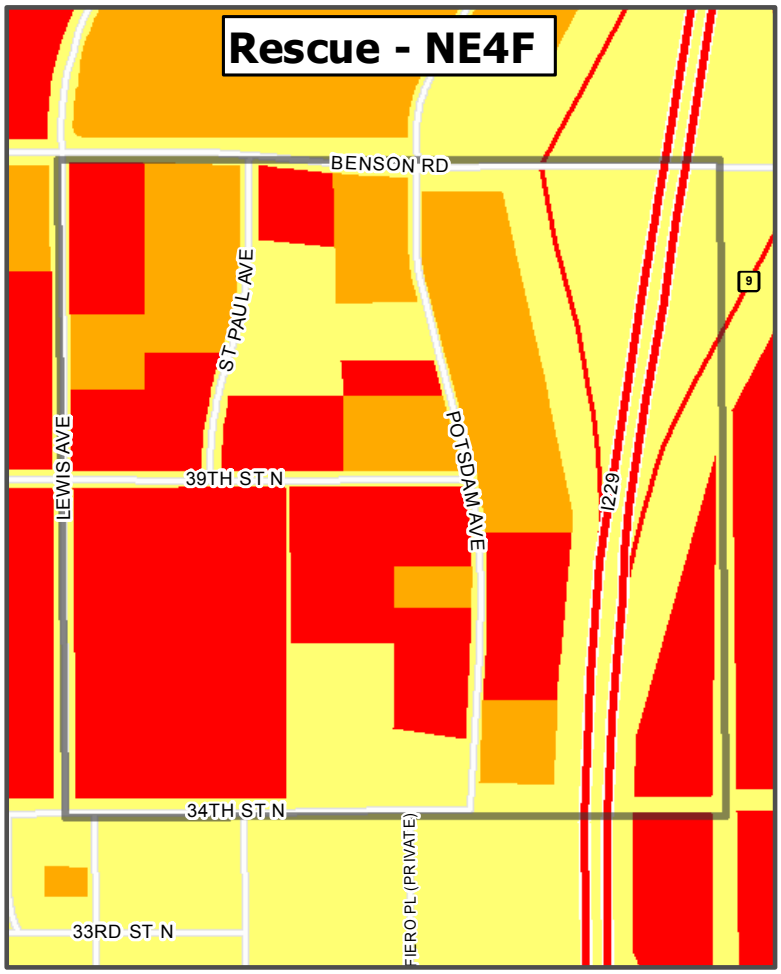
0.2 percent Annual Chance

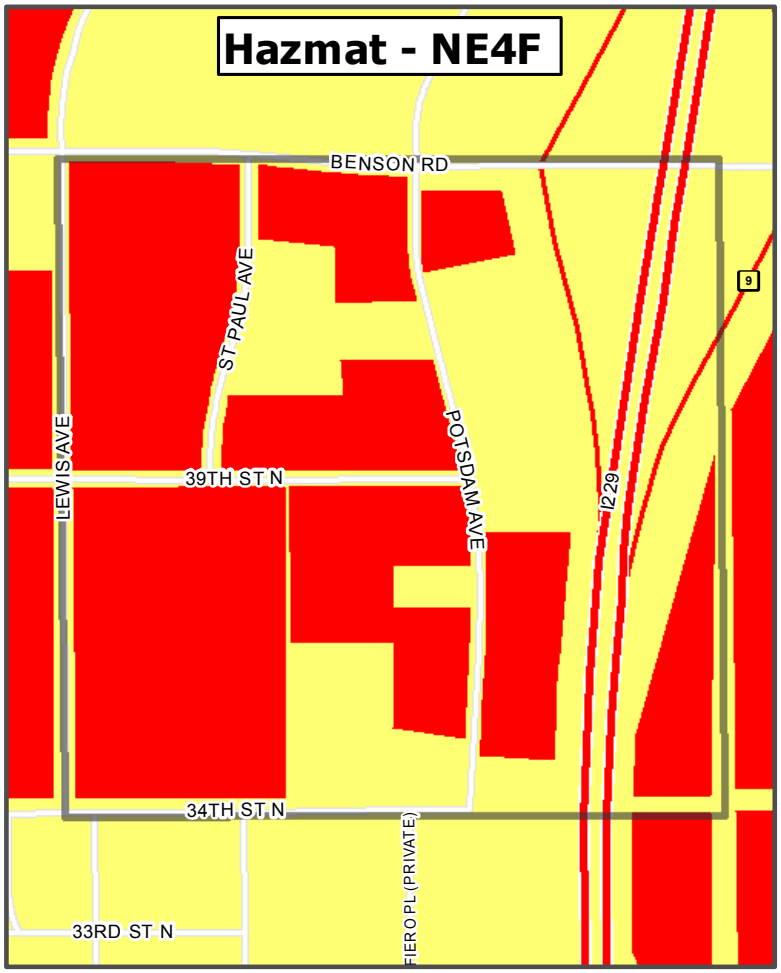
1 percent Annual Chance

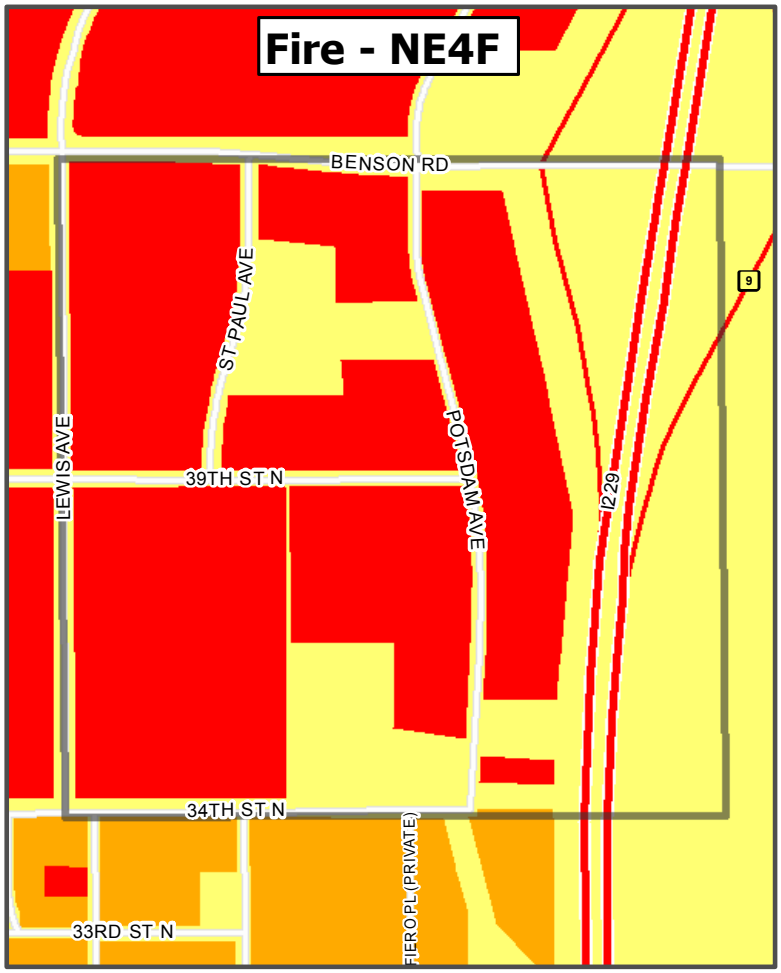












Low | Moderate | High | Special

1 inch = 767 feet

2015 Hazard/Risk Analysis by Planning Zones 4G

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	12
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Interstate highway intersects this quadrant		
Pipeline intersects this quadrant		

NE4G

Fire

Rescue

HazMat

EMS

SUB Substation

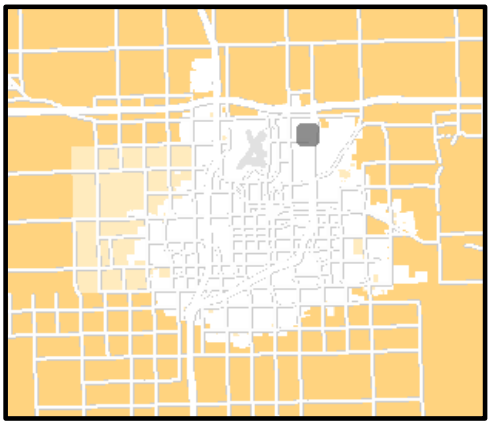
Transmission Line

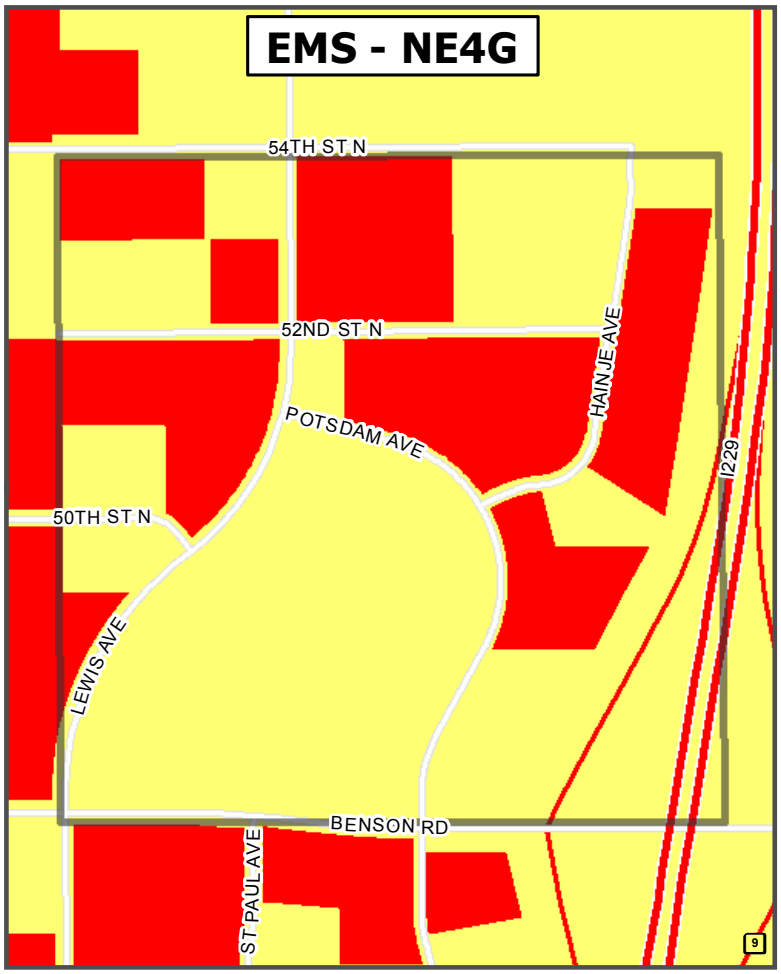
Major Gas Line

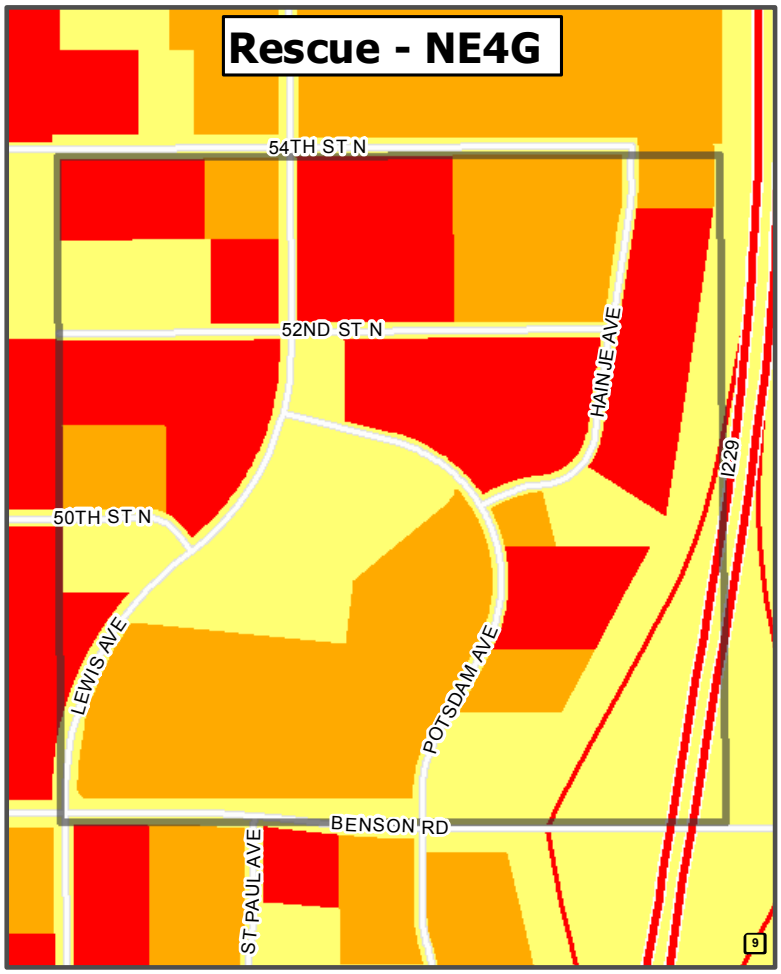
Floodplain

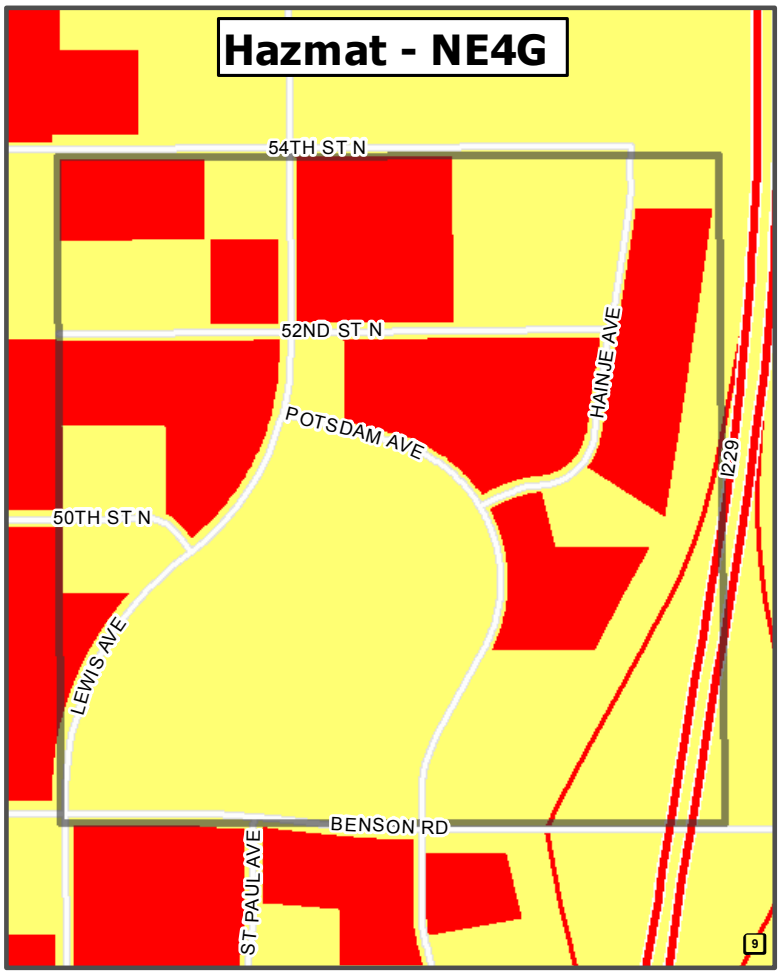
0.2 percent Annual Chance

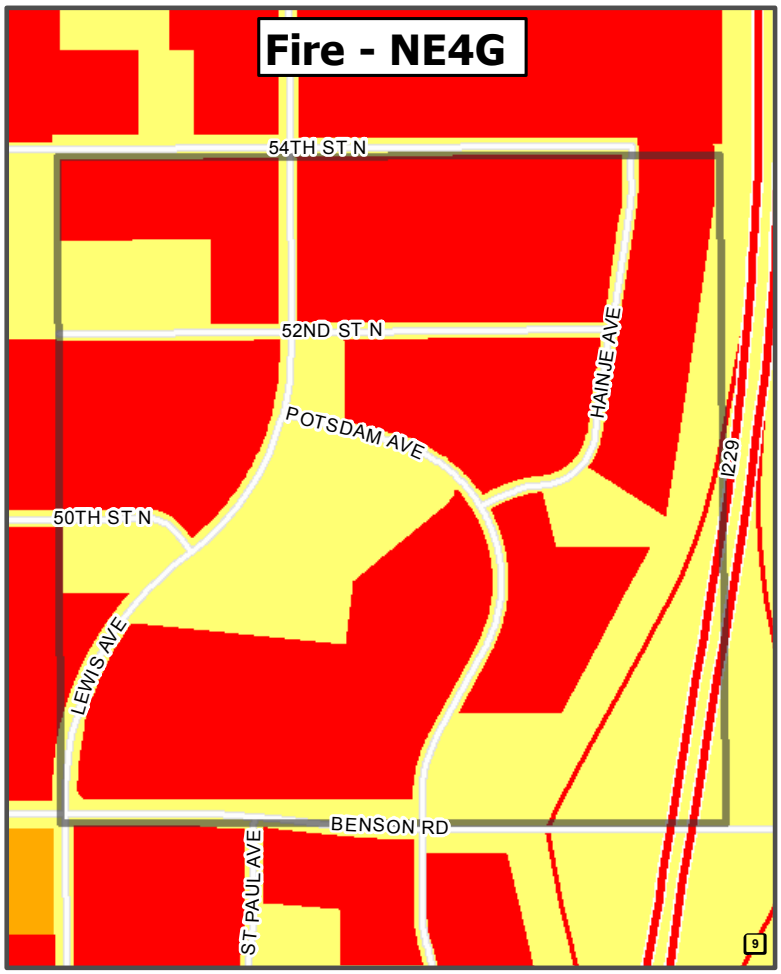
1 percent Annual Chance











Low | Moderate | High | Special

1 inch = 765 feet

2015 Hazard/Risk Analysis by Planning Zones 4H

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	1

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	1
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Pipeline intersects this quadrant		
TRAILRIDGE ASSISTED LIVING	Type 1	Nursing Home
TRAILRIDGE APARTMENTS	Type 1	Nursing Home
HOMEWOOD SUITES	Type 1	Hotel/Motel

NE4H

Fire

Rescue

HazMat

EMS

SUB Substation

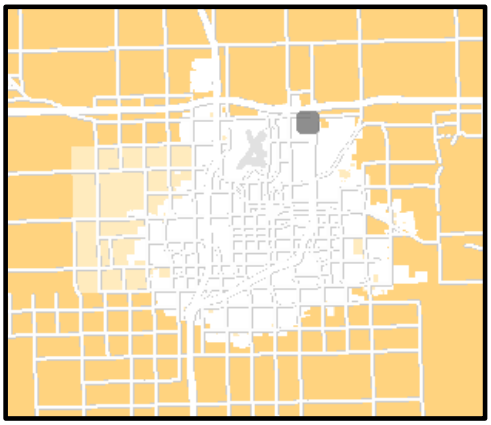
Transmission Line

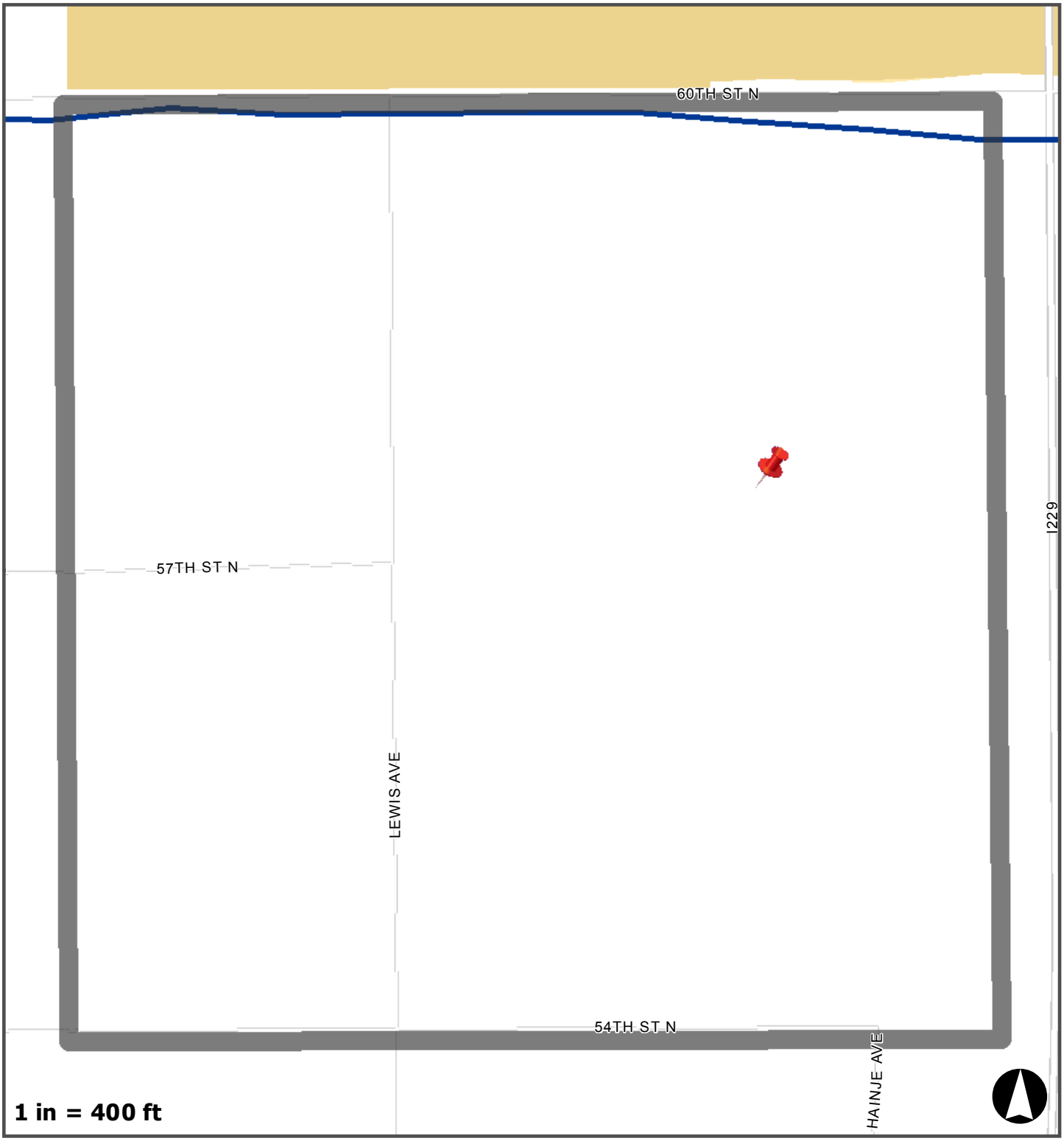
Major Gas Line

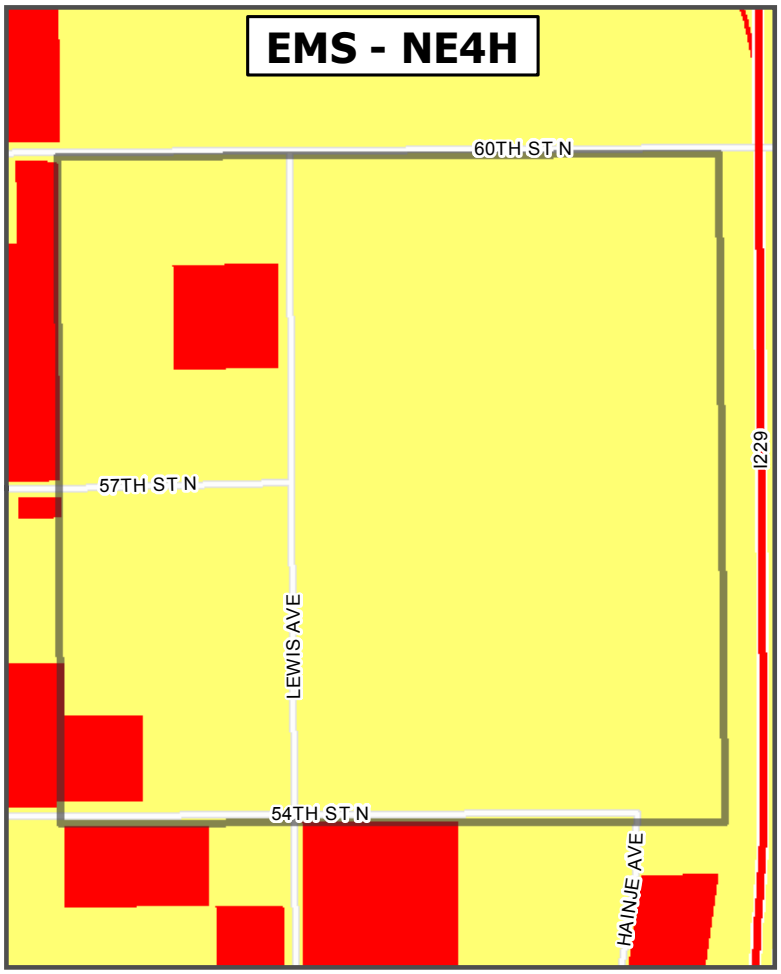
Floodplain

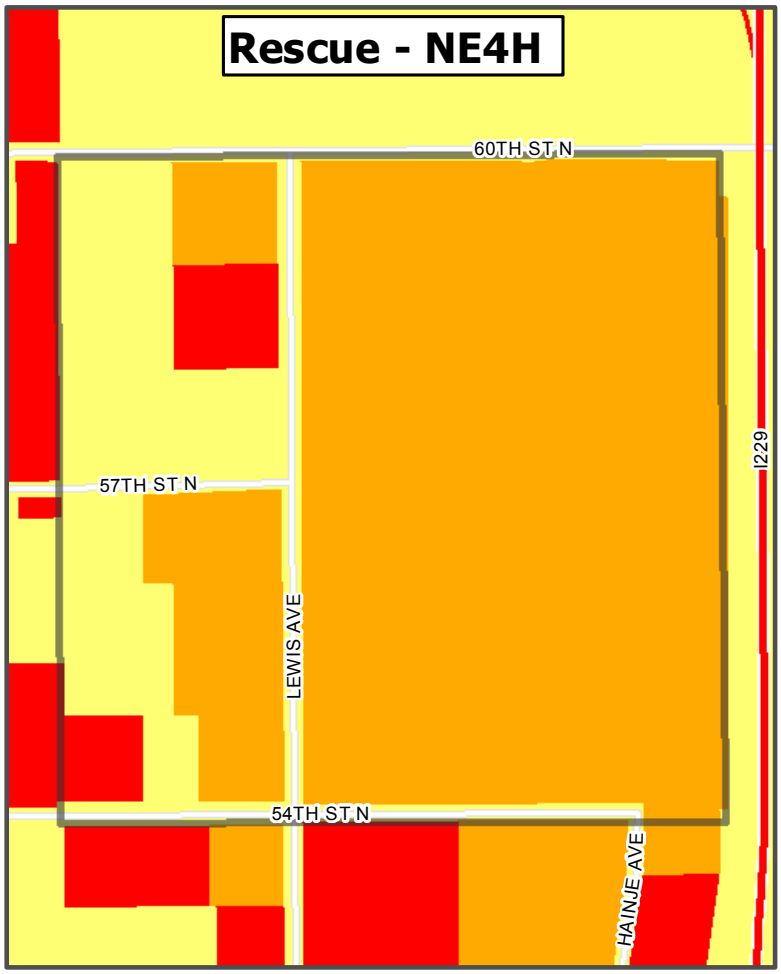
0.2 percent Annual Chance

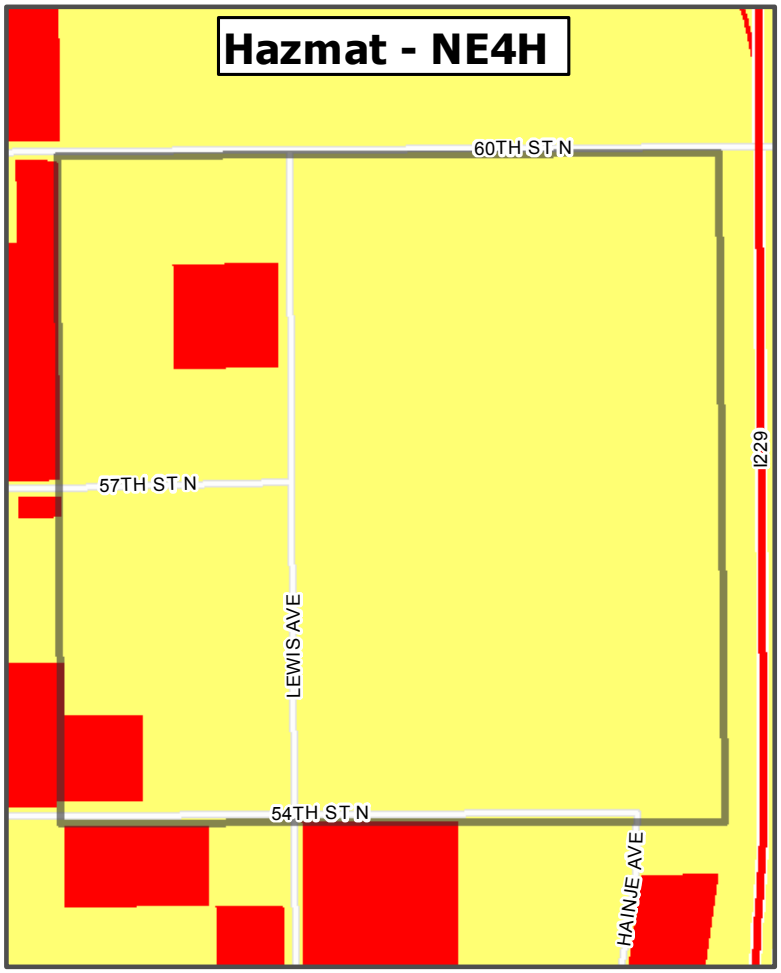
1 percent Annual Chance

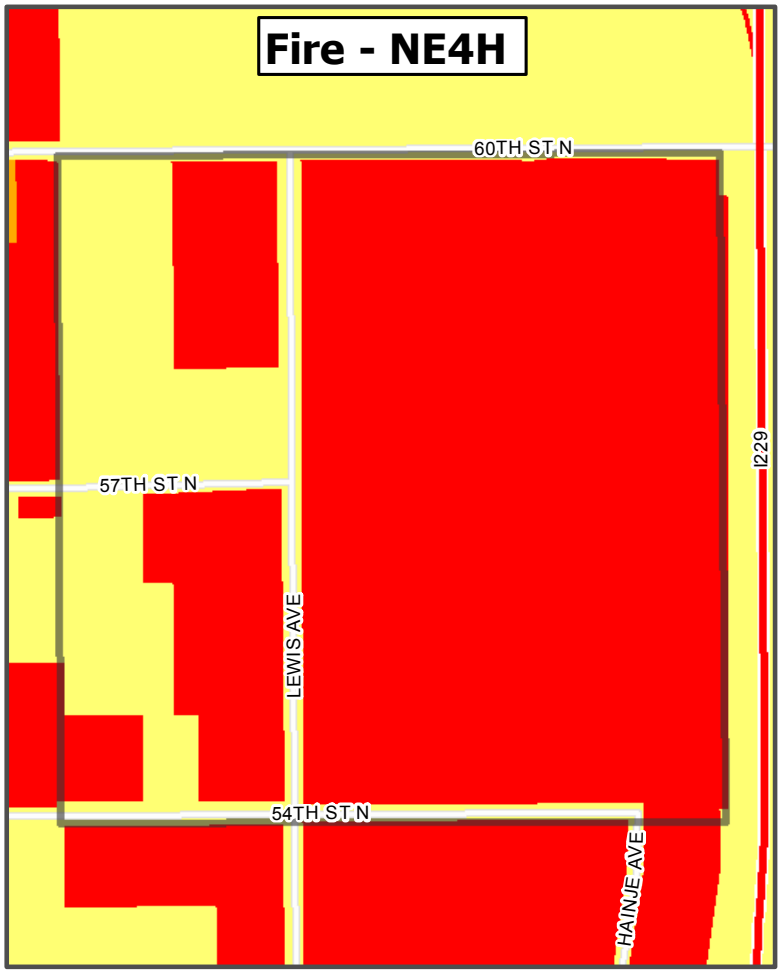












Low | Moderate | High | Special

1 inch = 763 feet

2015 Hazard/Risk Analysis by Planning Zones 4I

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy

NE4I

Fire

Rescue

HazMat

EMS

SUB Substation

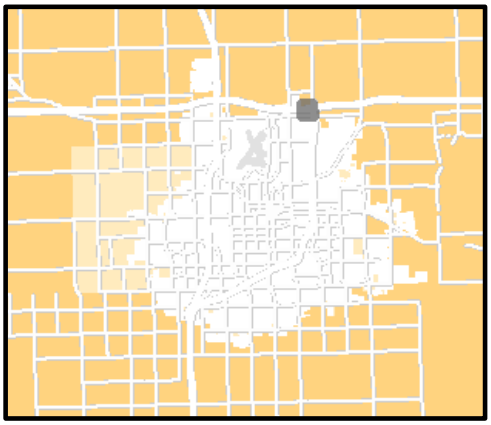
Transmission Line

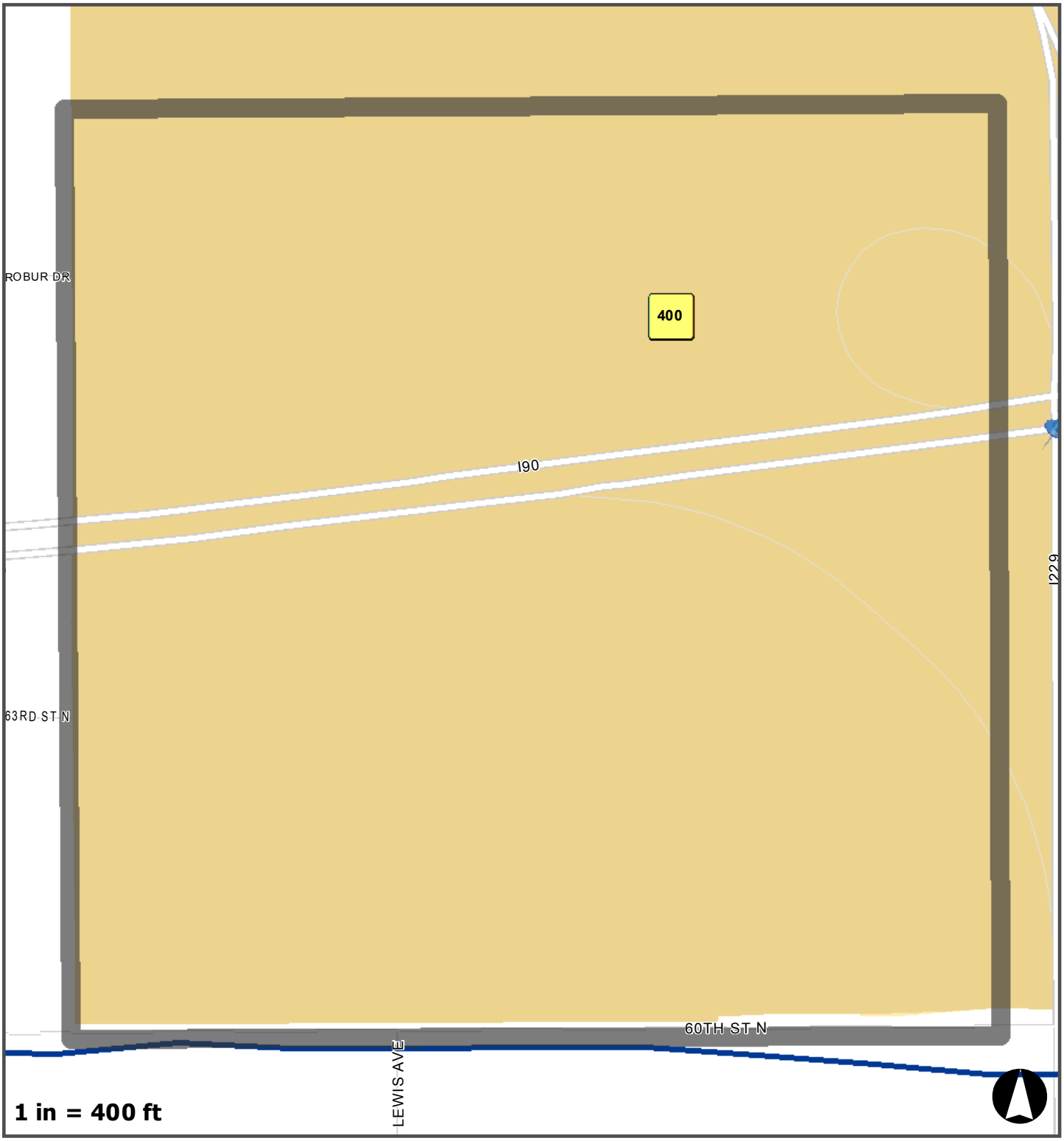
Major Gas Line

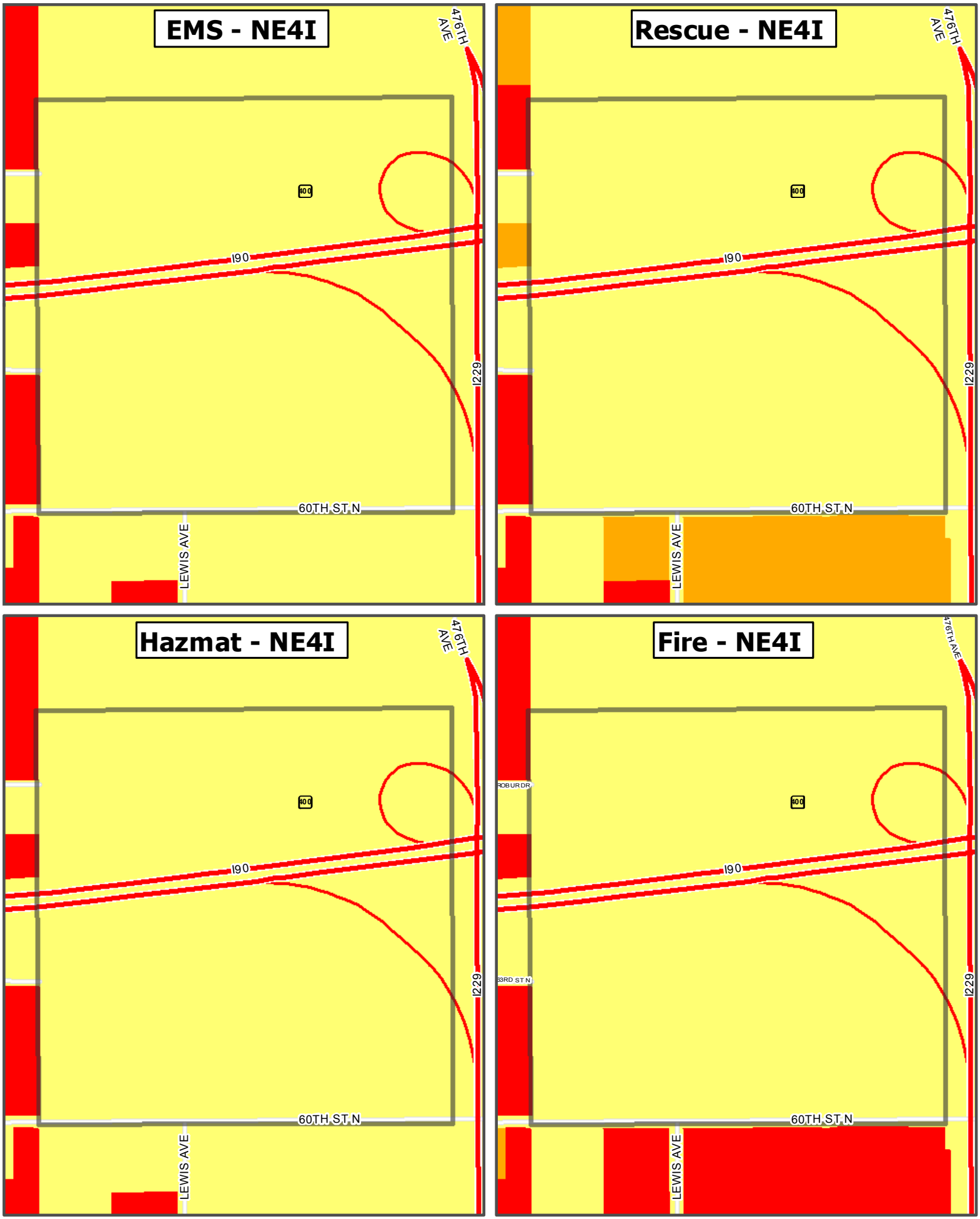
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance







Low | Moderate | High | Special

1 inch = 762 feet

2015 Hazard/Risk Analysis by Planning Zones 4J

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Pipeline intersects this quadrant		
PRIMROSE ASSISTED LIVING	Type 1	Nursing Home

NE4J

Fire

Rescue

HazMat

EMS

SUB Substation

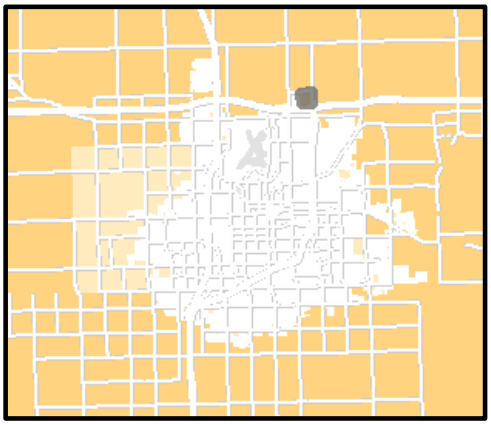
Transmission Line

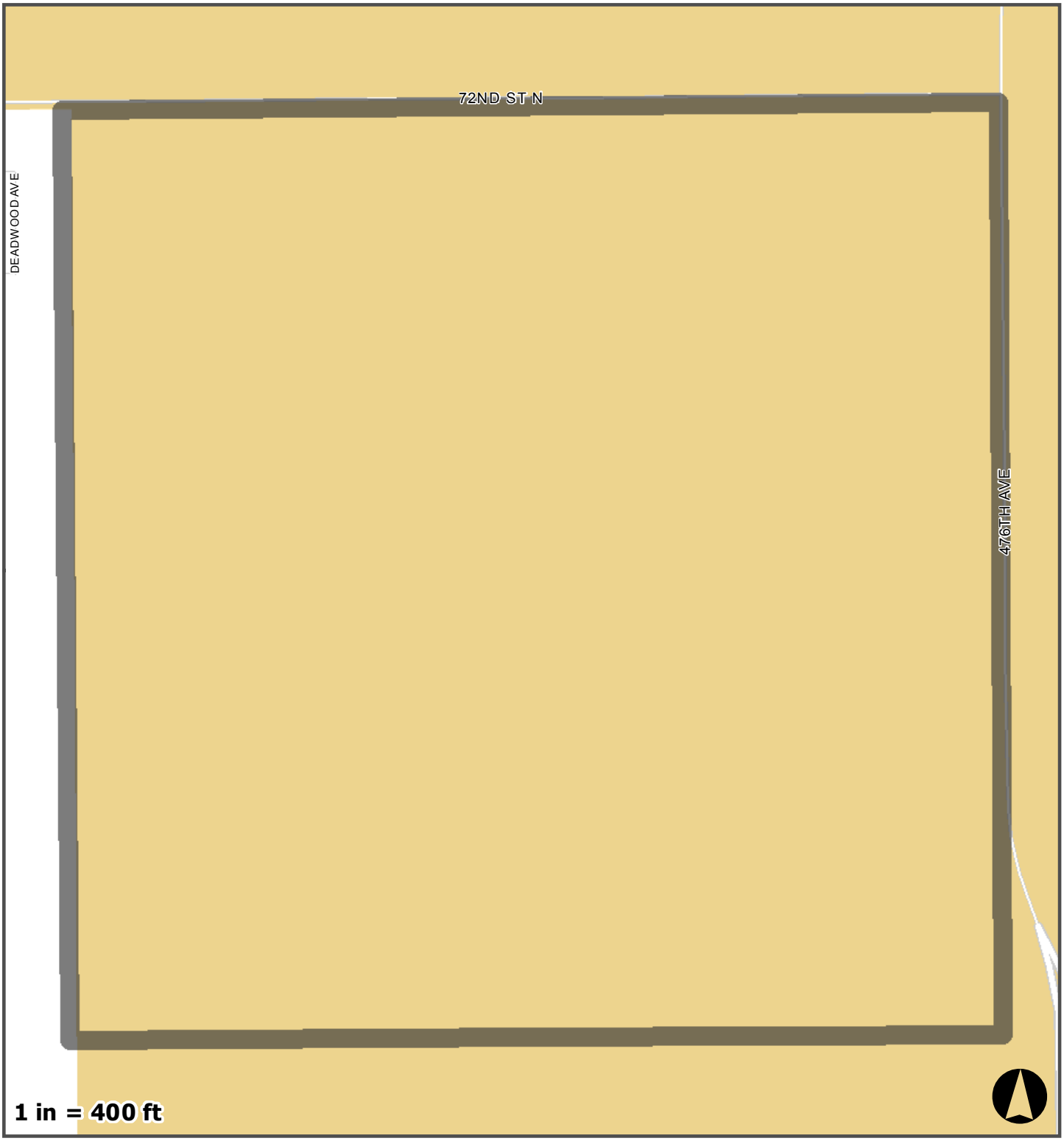
Major Gas Line

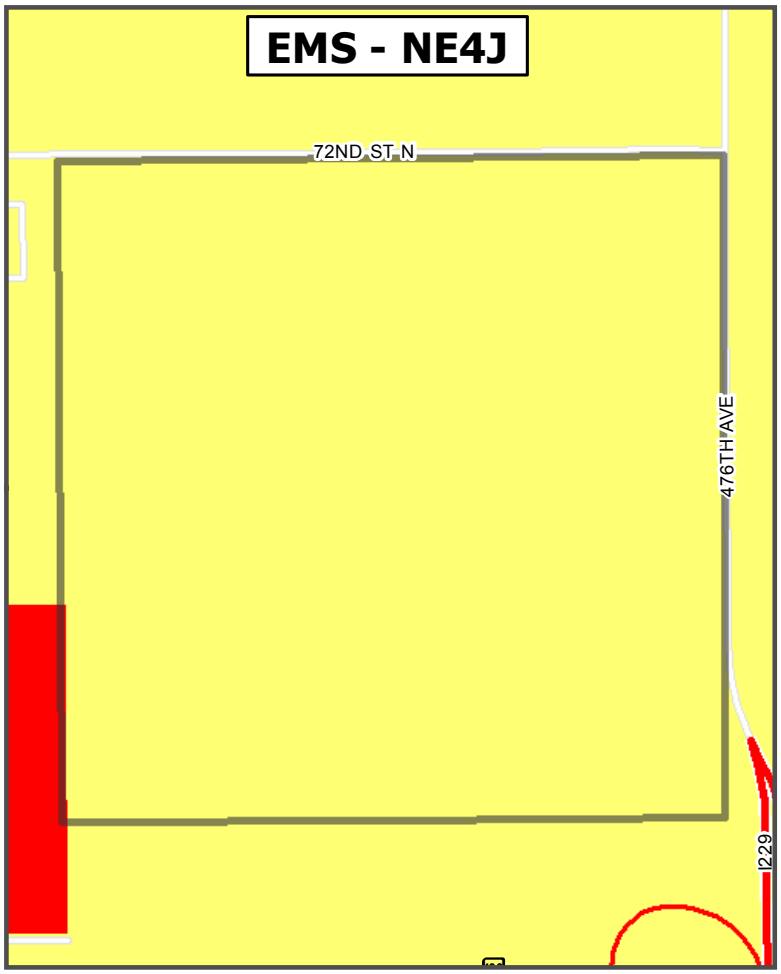
Floodplain

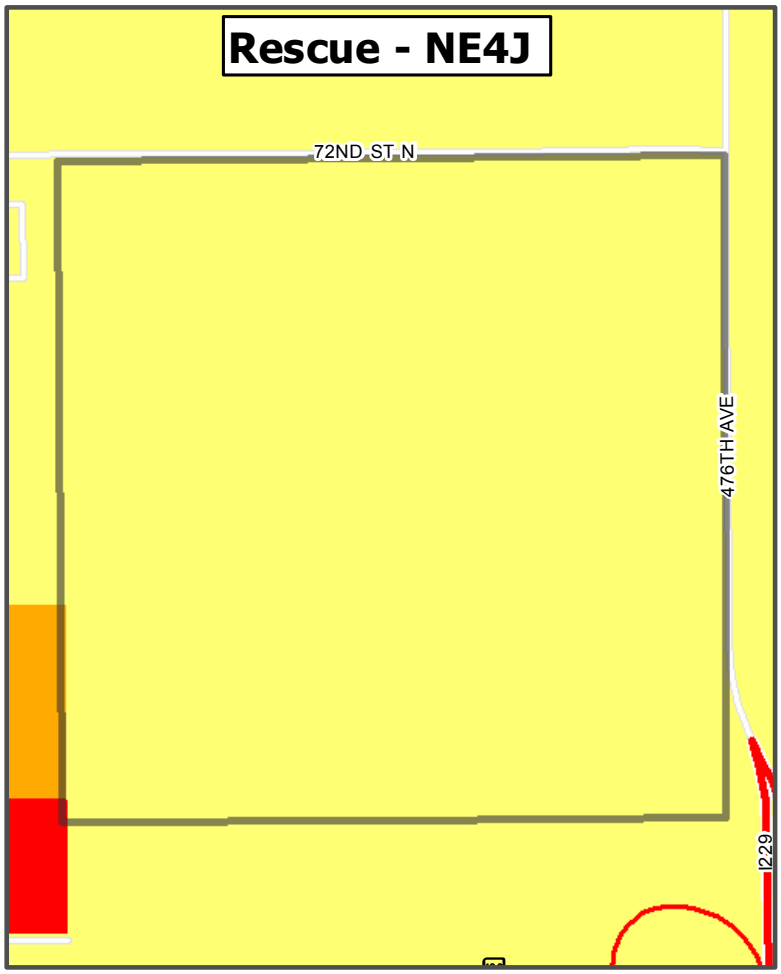
0.2 percent Annual Chance

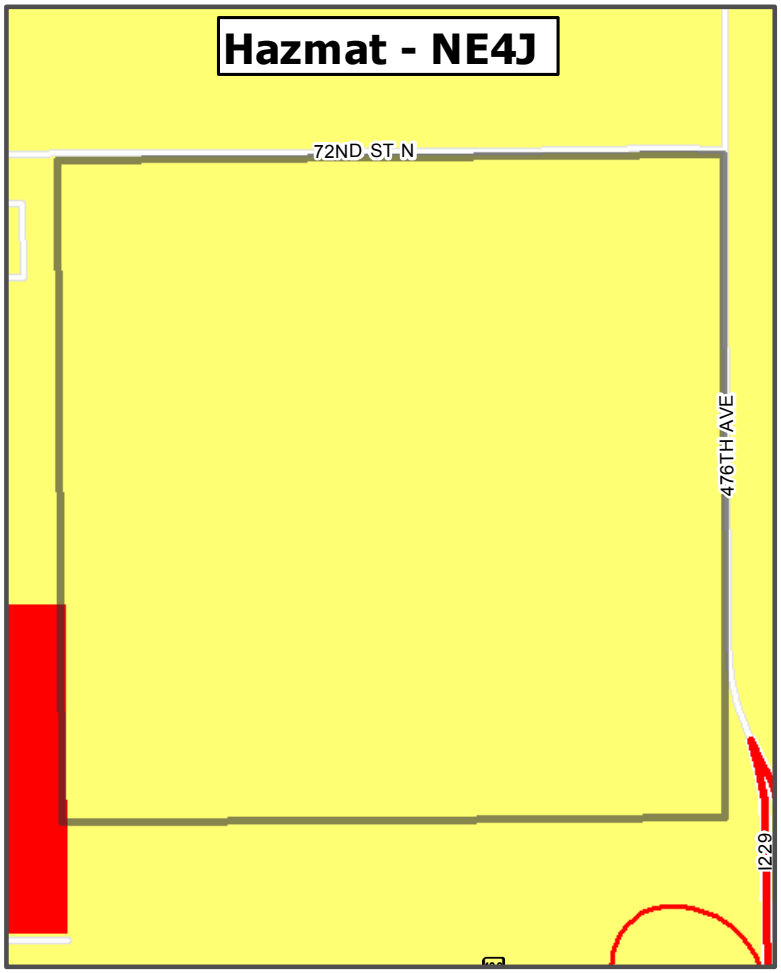
1 percent Annual Chance

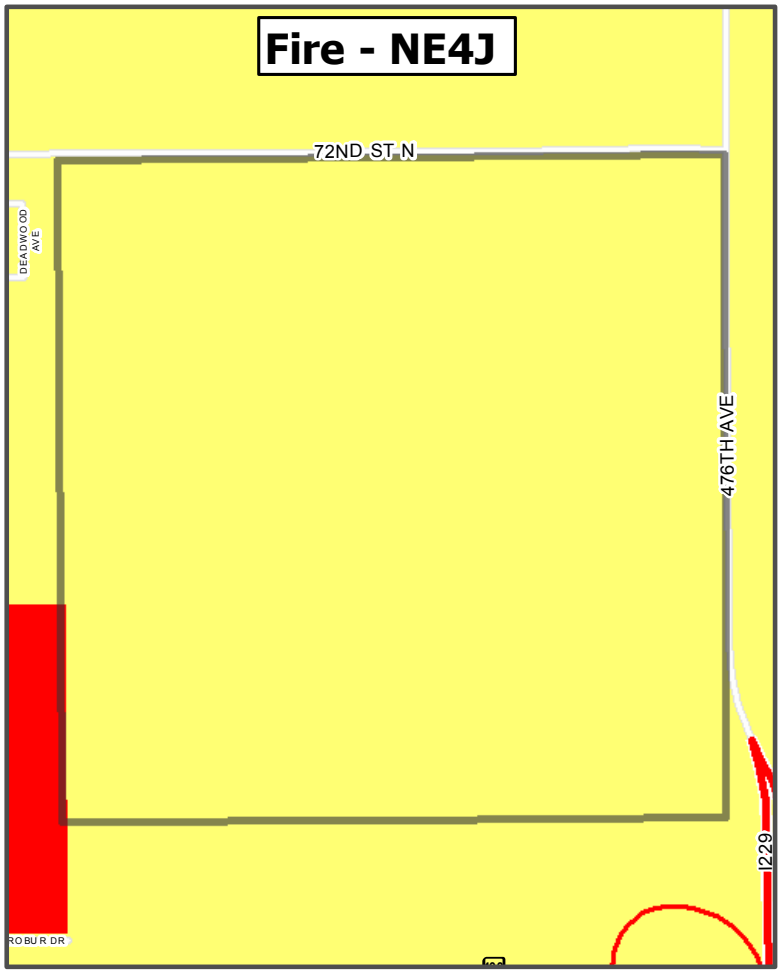












Low | Moderate | High | Special

1 inch = 764 feet

2015 Hazard/Risk Analysis by Planning Zones 4K

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Pipeline intersects this quadrant		

NE4K

Fire

Rescue

HazMat

EMS

SUB Substation

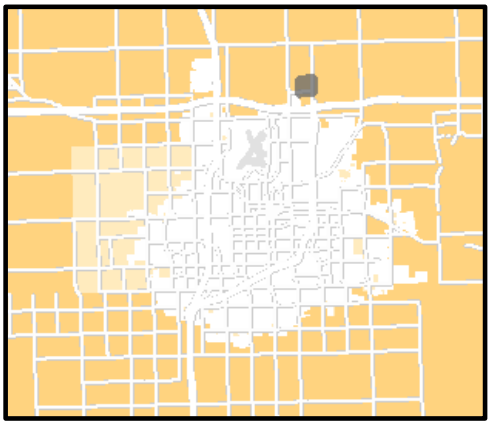
Transmission Line

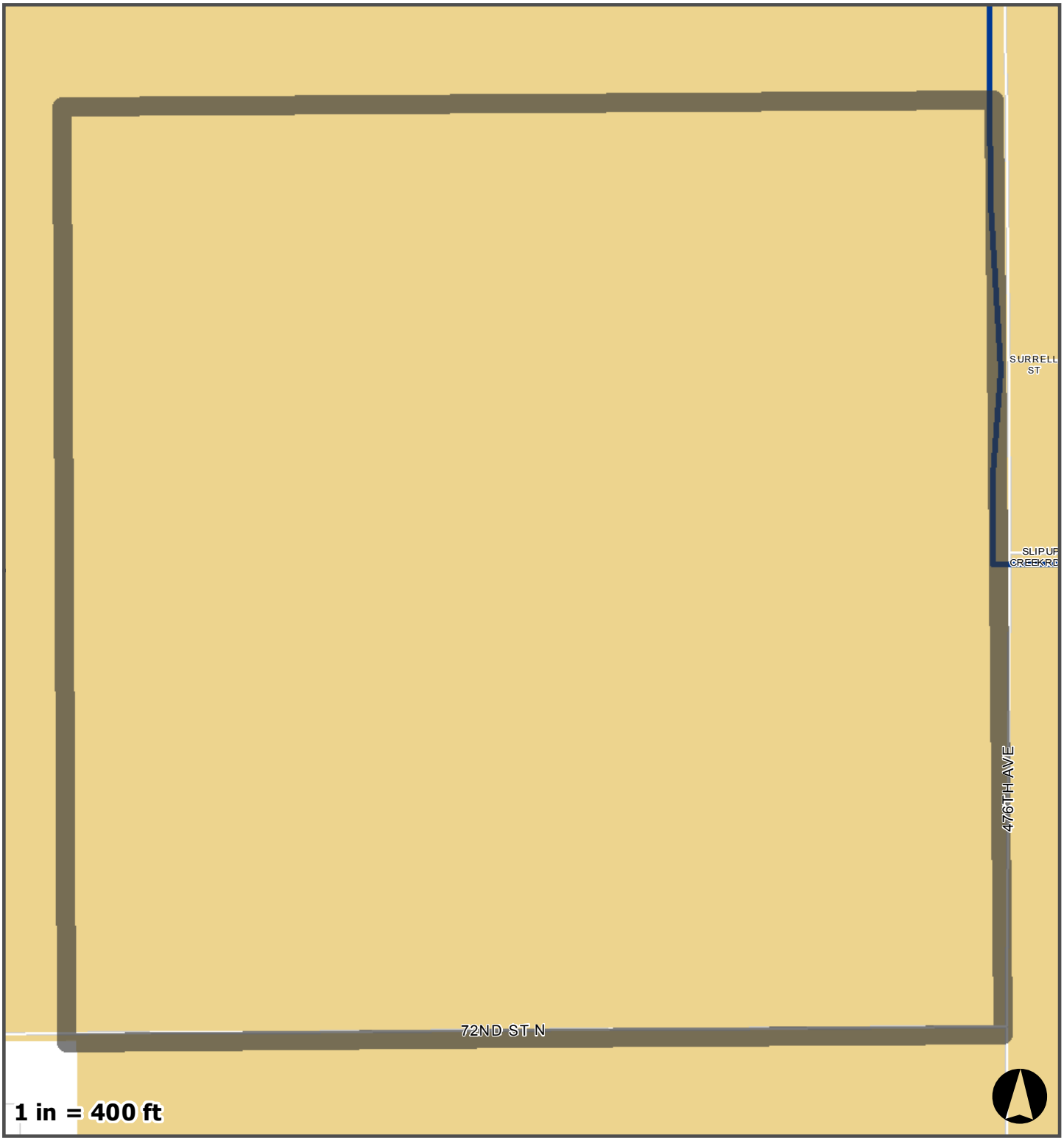
Major Gas Line

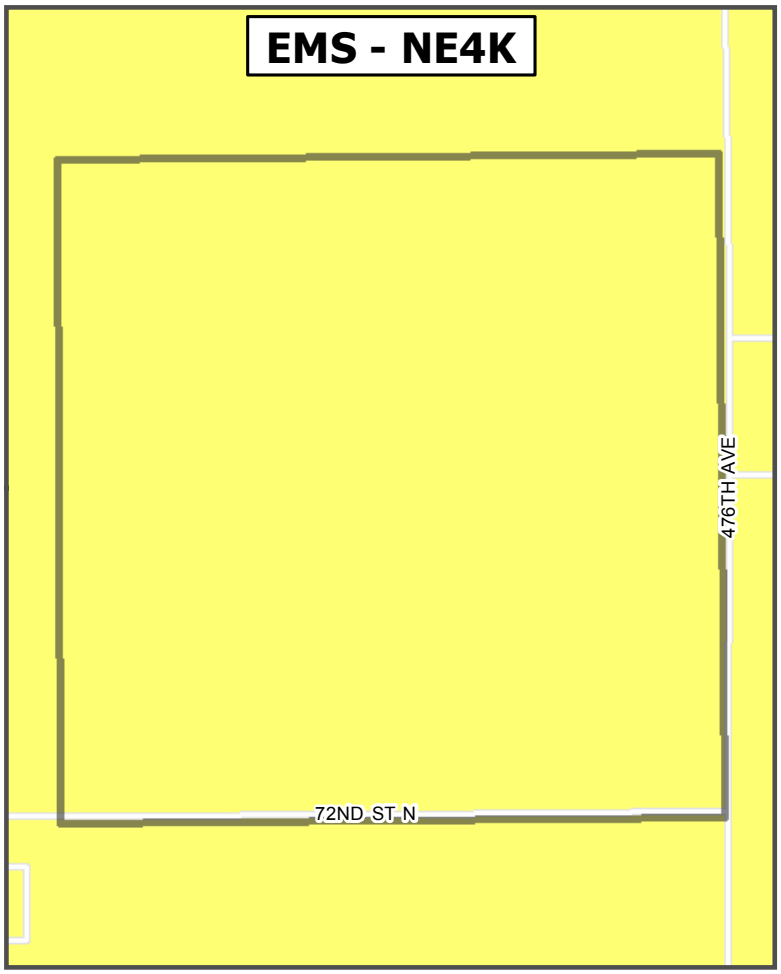
Floodplain

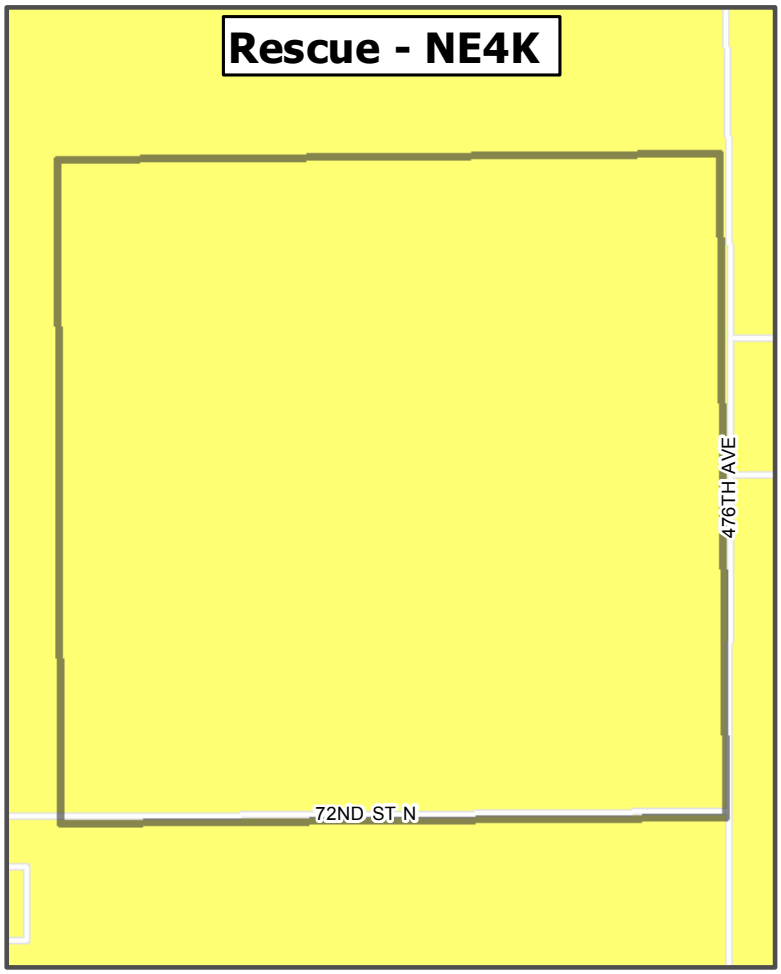
0.2 percent Annual Chance

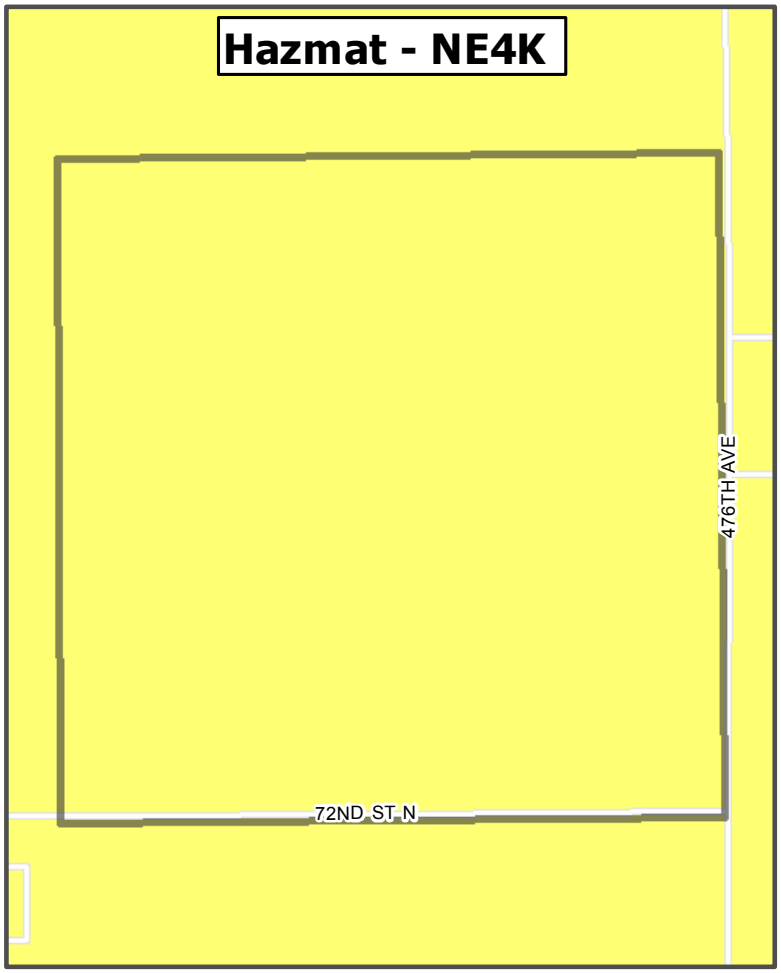
1 percent Annual Chance

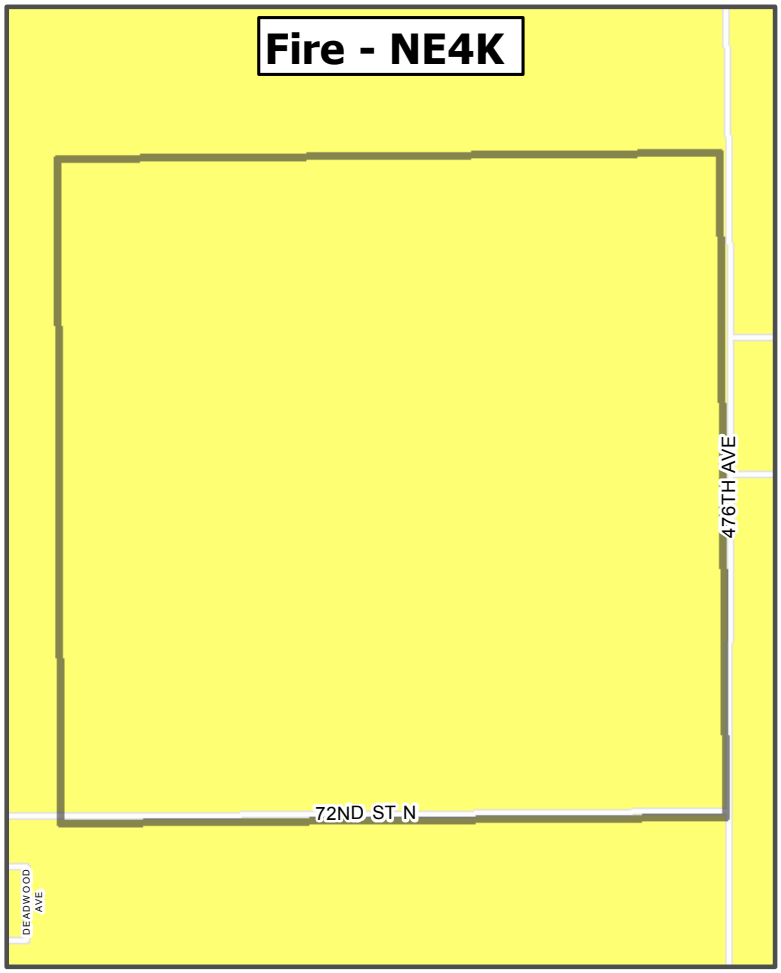












Low | Moderate | High | Special

1 inch = 766 feet

2015 Hazard/Risk Analysis by Planning Zones 5A

Frequency of Fires	
Residential	1
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	1

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	85
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	8
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 100% of this quadrant lies in the flood plain (Big Sioux and Skunk Creek)		
Interstate highway intersects this quadrant		
VALUE PLACE HOTEL	Type 2	High Rise

NE5A

Fire

Rescue

HazMat

EMS

SUB Substation

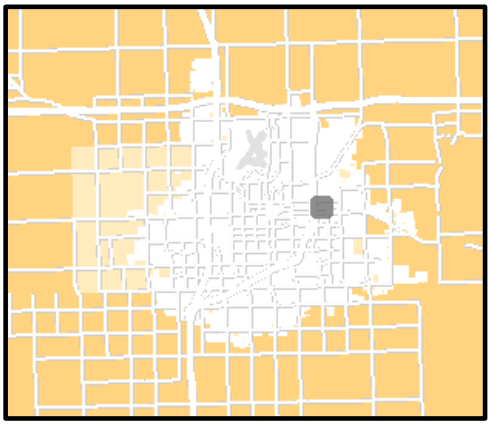
Transmission Line

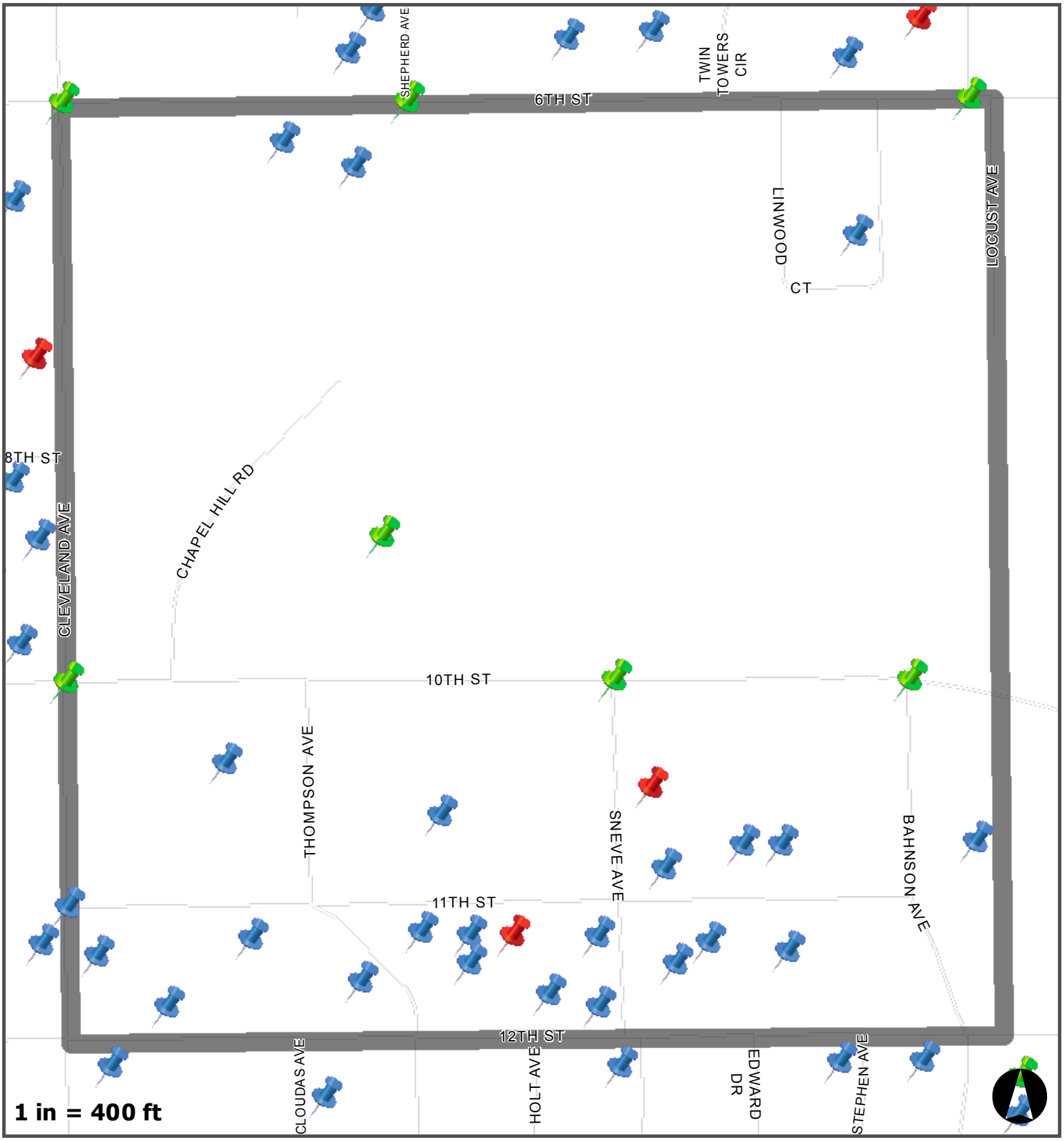
Major Gas Line

Floodplain

0.2 percent Annual Chance

1 percent Annual Chance





Low | Moderate | High | Special

1 inch = 767 feet

2015 Hazard/Risk Analysis by Planning Zones 5B

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	1
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	61
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	3
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 100% of this quadrant lies in the flood plain (Big Sioux and Skunk Creek)		
Interstate highway intersects this quadrant		

NE5B

Fire

Rescue

HazMat

EMS

SUB Substation

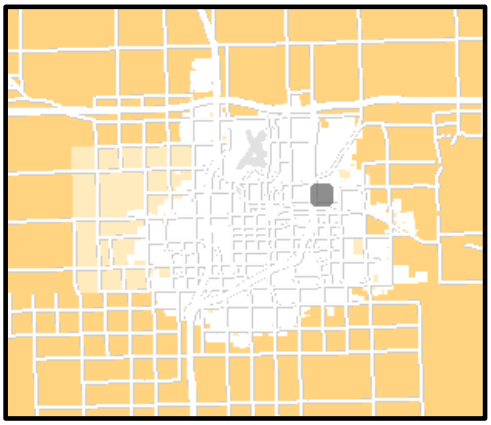
Transmission Line

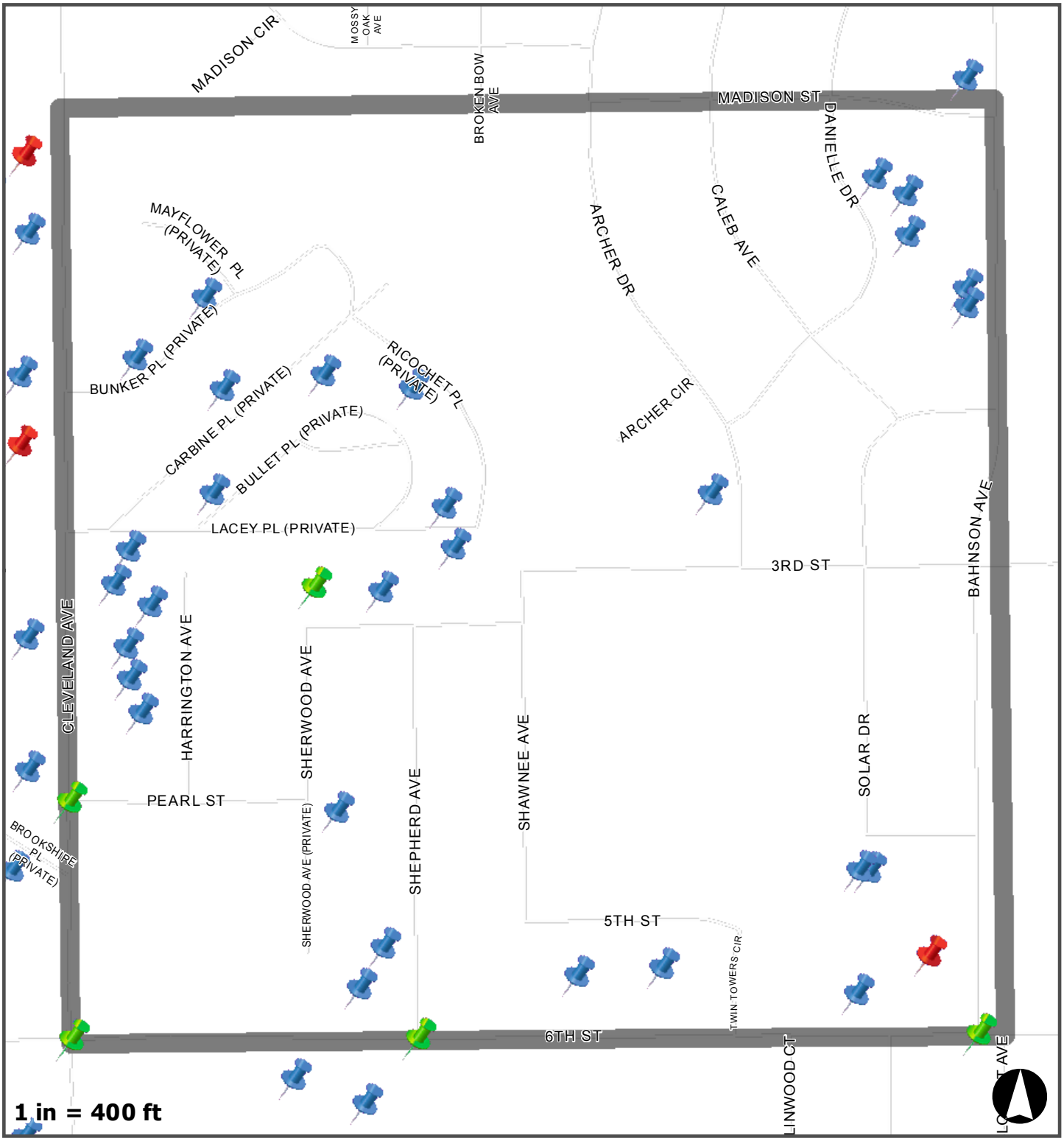
Major Gas Line

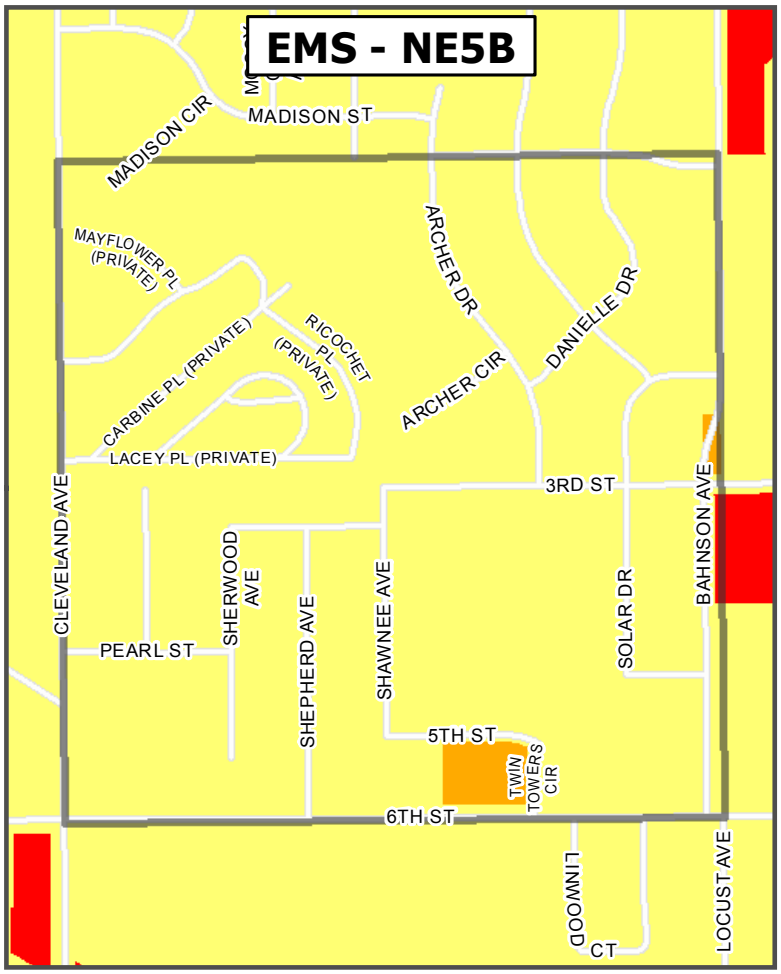
Floodplain

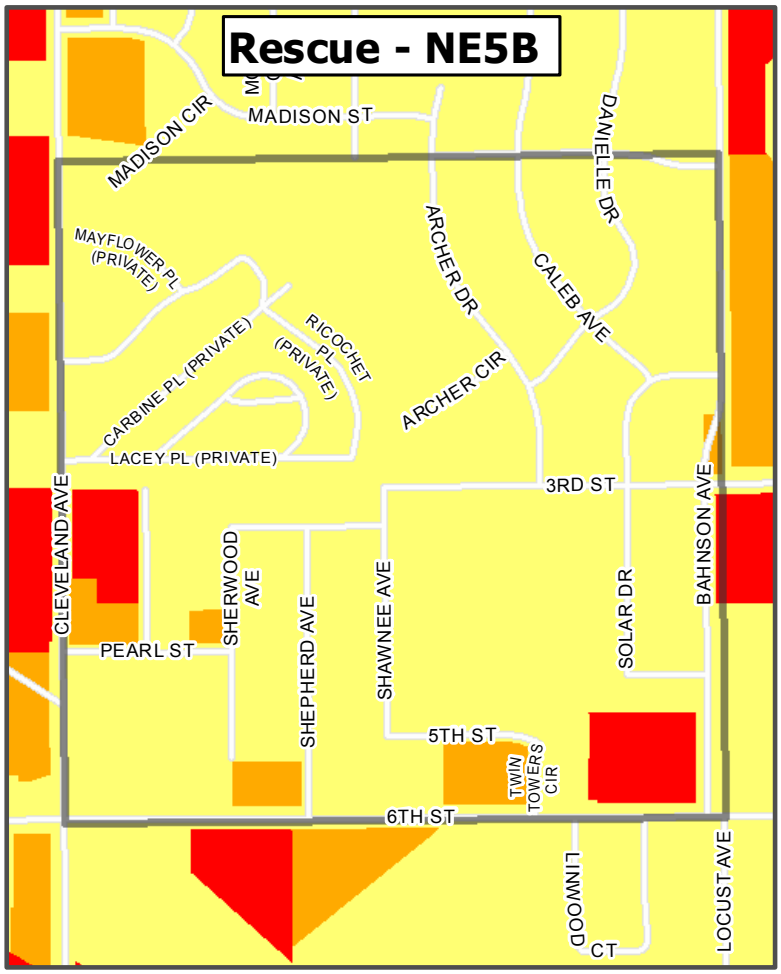
0.2 percent Annual Chance

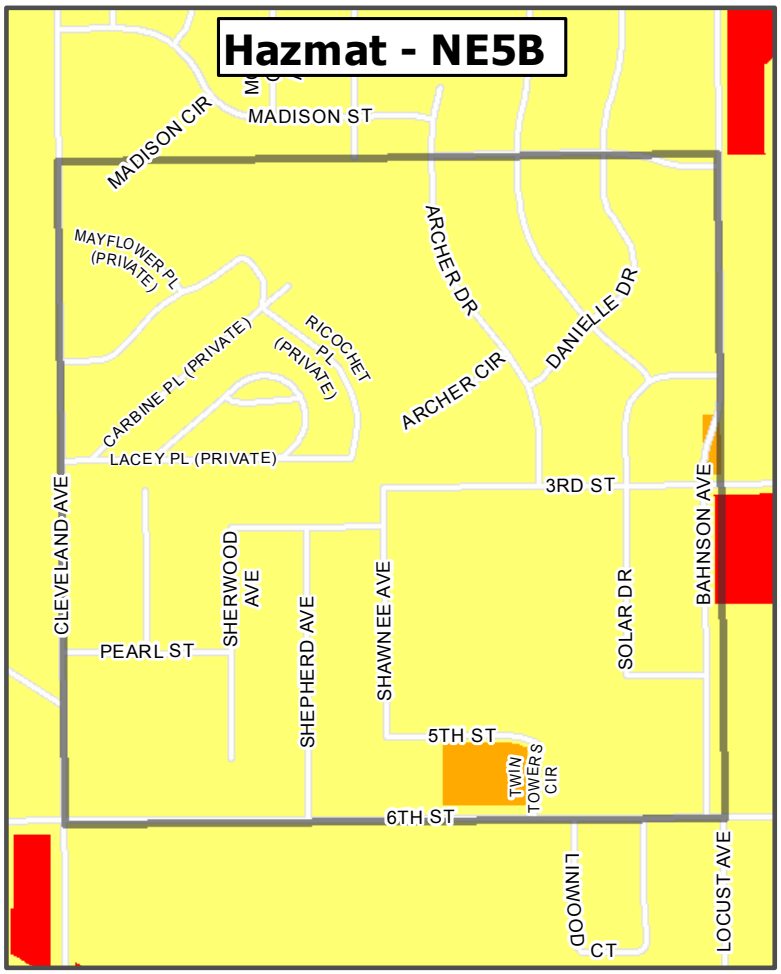
1 percent Annual Chance

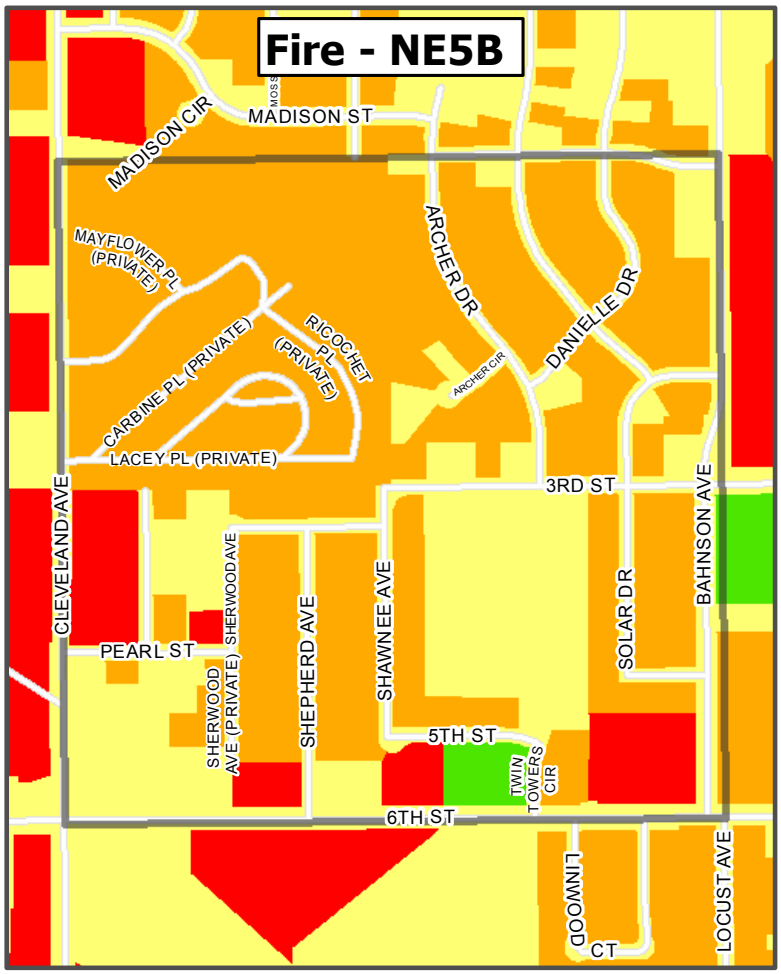












Low | Moderate | High | Special

1 inch = 767 feet

2015 Hazard/Risk Analysis by Planning Zones 5C

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	3
EMS Calls-High	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 100% of this quadrant lies in the flood plain (Big Sioux and Skunk Creek)		
Interstate highway intersects this quadrant		
HAMPTON INN	Type 2	Hotel/Motel
HOLIDAY INN EXPRESS	Type 2	Hotel/Motel

NE5C

Fire

Rescue

HazMat

EMS

SUB Substation

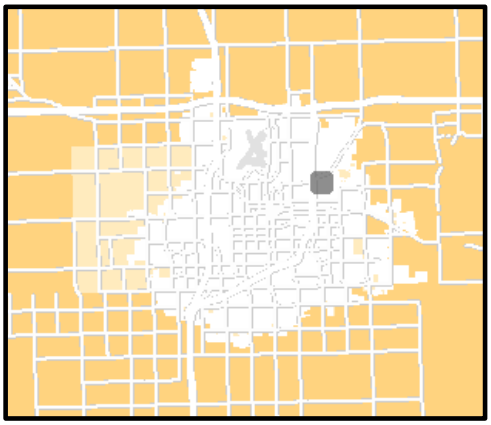
Transmission Line

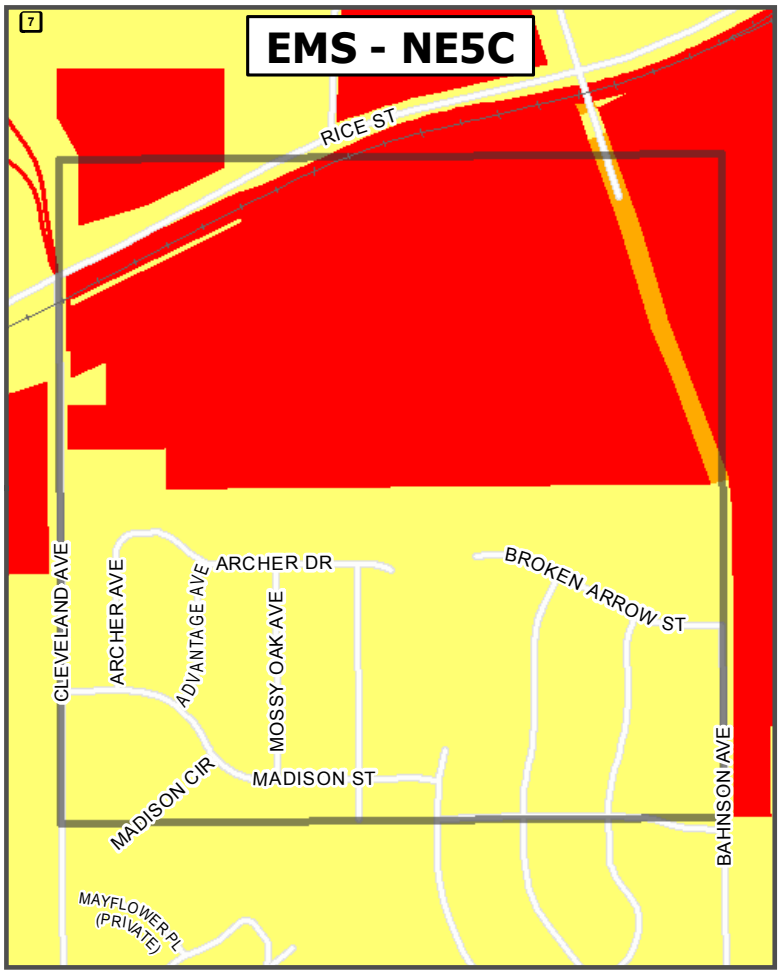
Major Gas Line

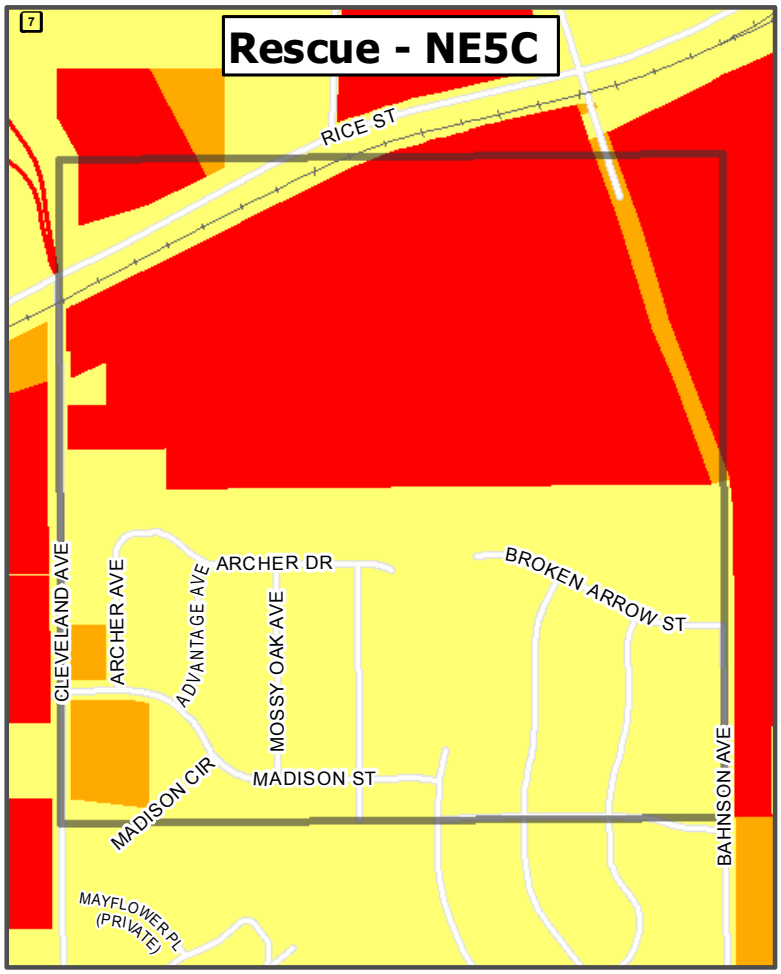
Floodplain

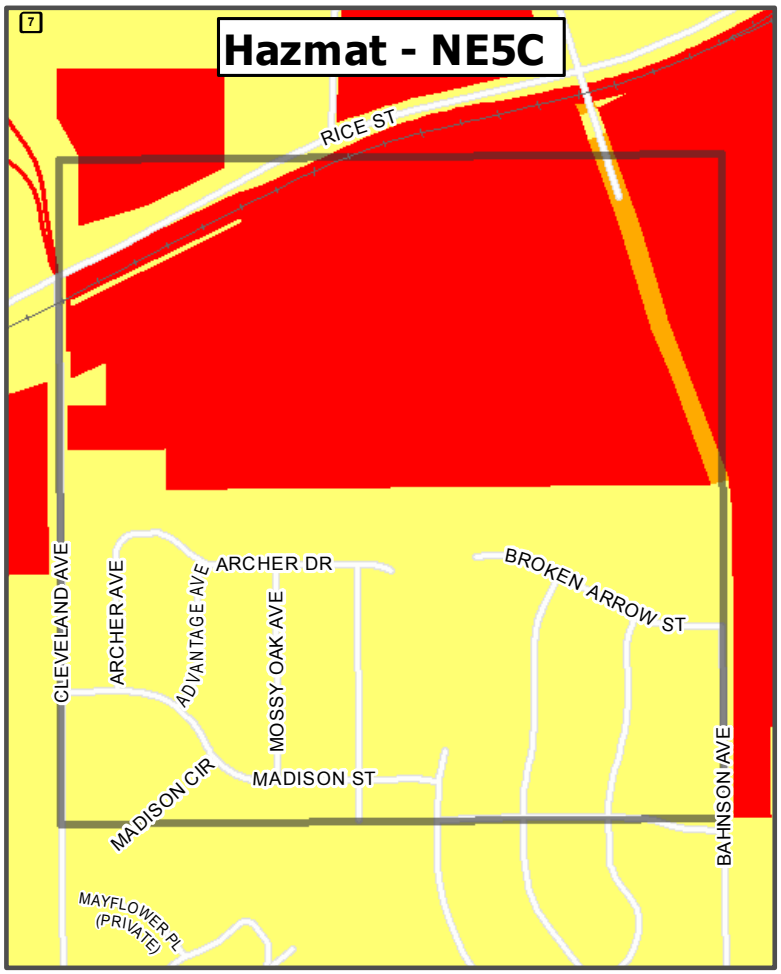
0.2 percent Annual Chance

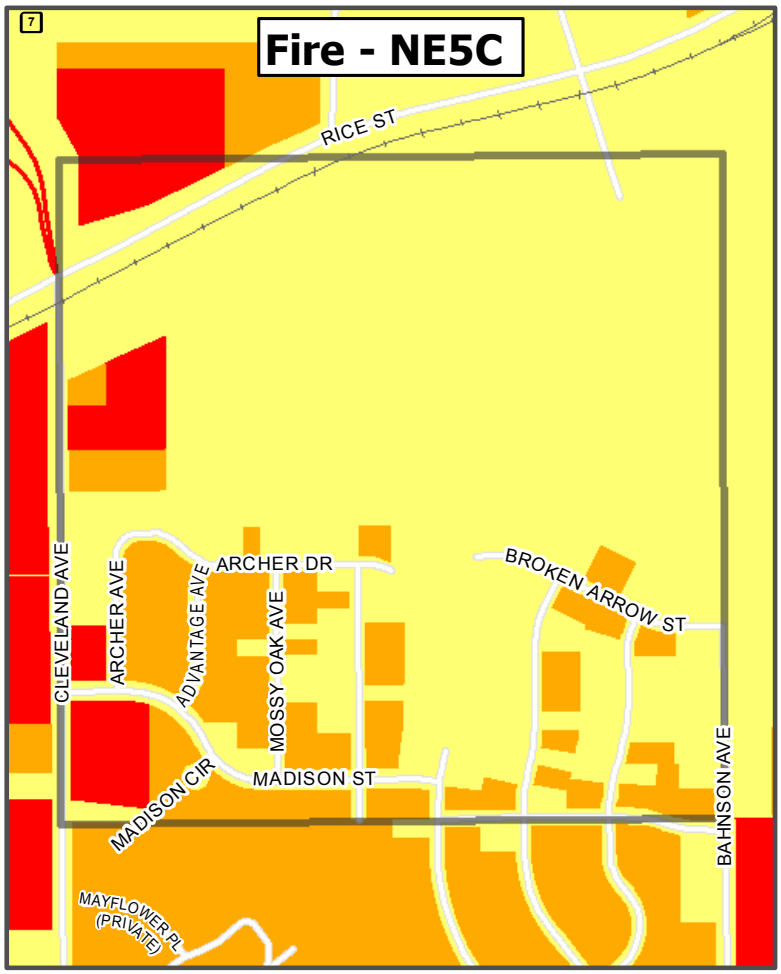
1 percent Annual Chance











Low | Moderate | High | Special

1 inch = 765 feet

2015 Hazard/Risk Analysis by Planning Zones 5D

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	2
EMS Calls-High	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 100% of this quadrant lies in the flood plain (Big Sioux)		
Interstate highway intersects this quadrant		
Pipeline intersects this quadrant		
SUPER 8 MOTEL - 4100W41ST	Type 2	Hotels/Motels
MICROTEL INN & SUITES	Type 2	Hotels/Motels
EMPIRE TOWERS MOTEL	Type 2	Hotels/Motels

NE5D

Fire

Rescue

HazMat

EMS

SUB Substation

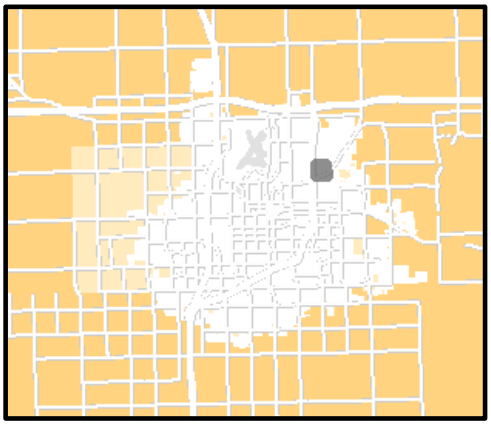
Transmission Line

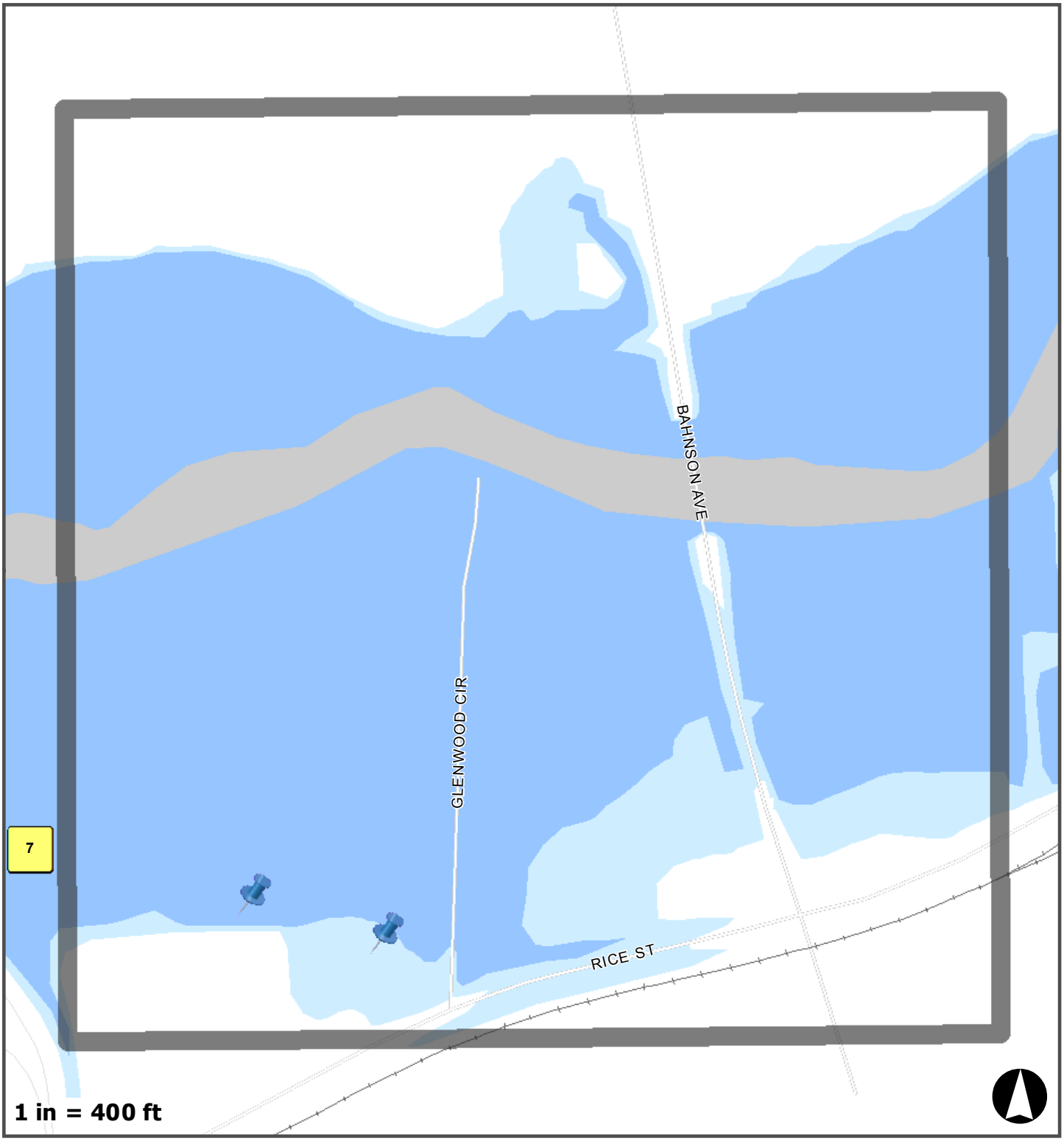
Major Gas Line

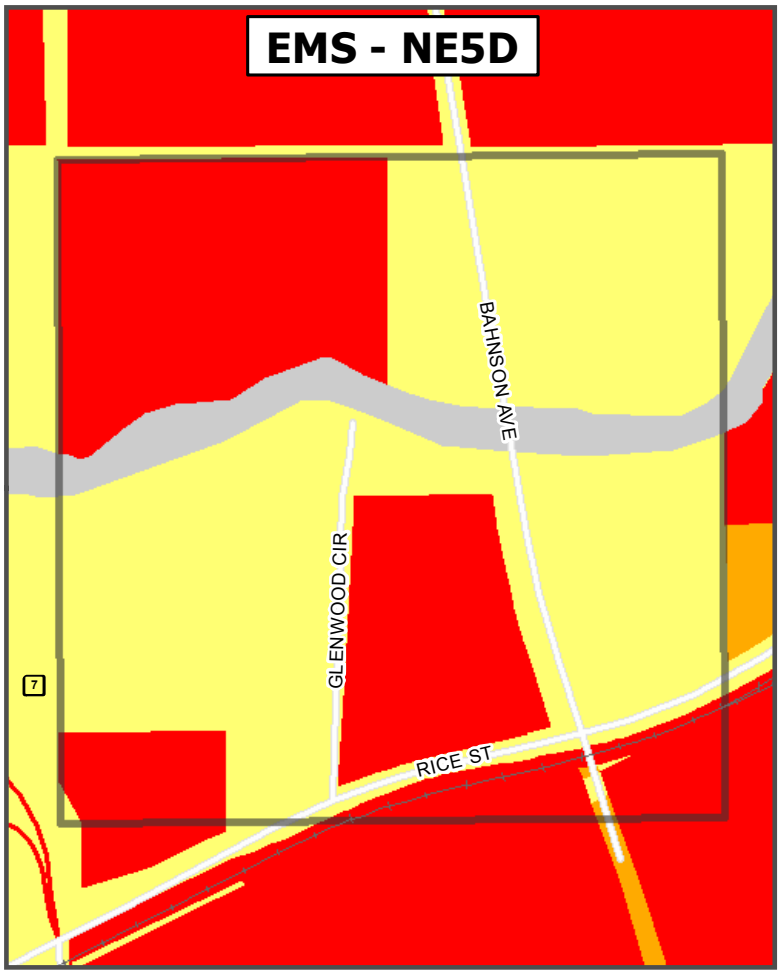
Floodplain

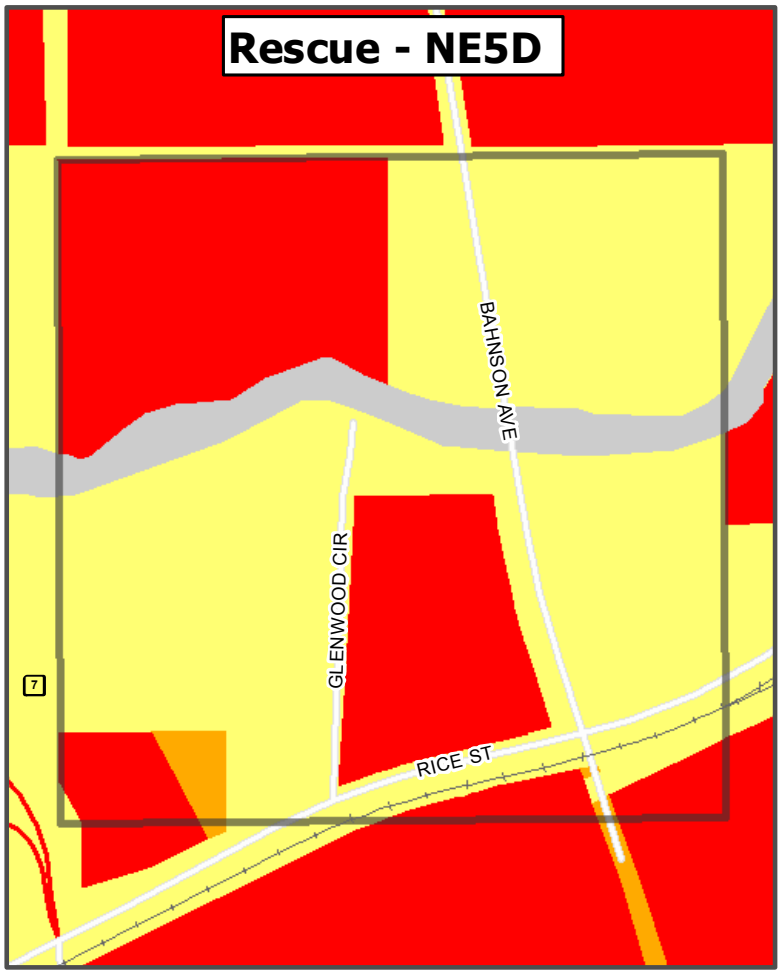
0.2 percent Annual Chance

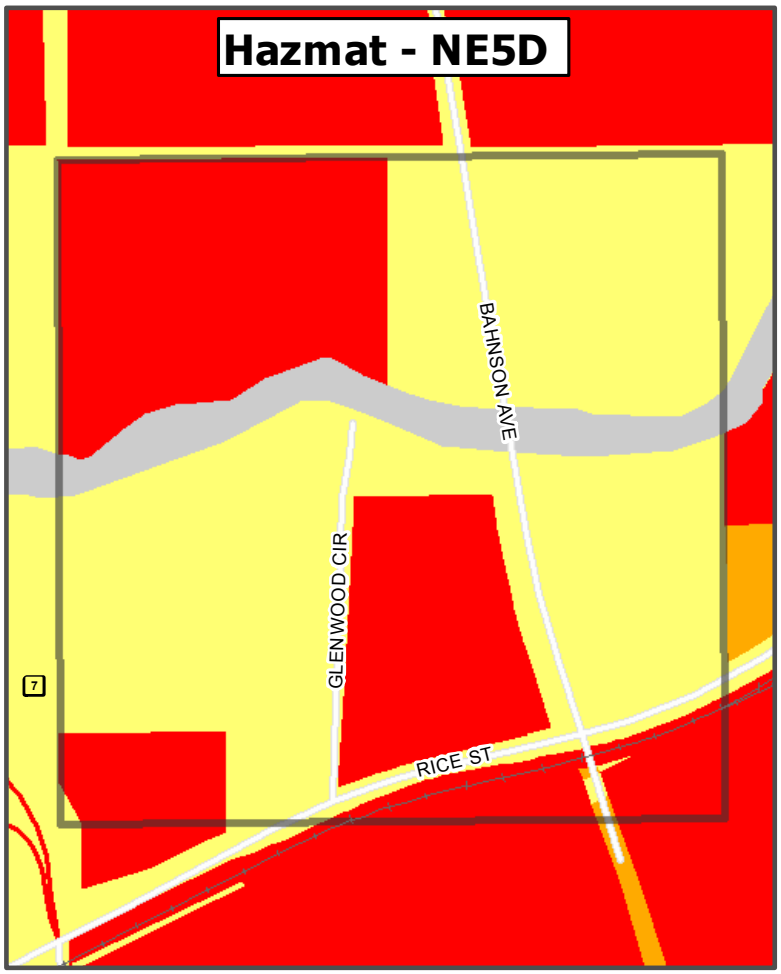
1 percent Annual Chance

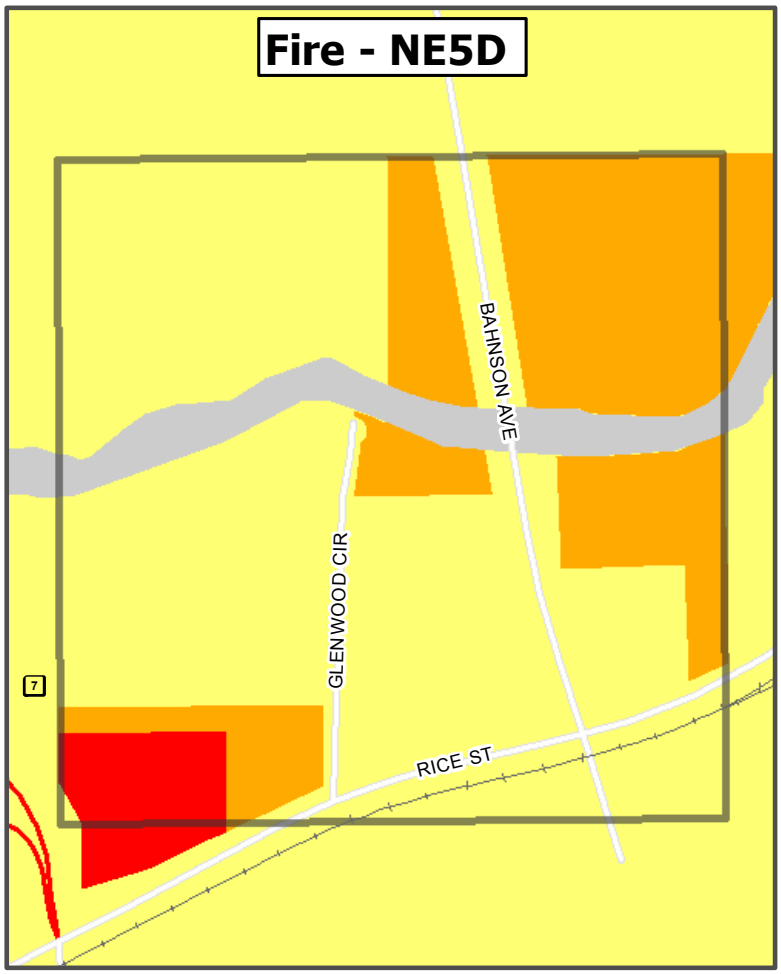












Low | Moderate | High | Special

1 inch = 764 feet

2015 Hazard/Risk Analysis by Planning Zones 5E

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 75% of this quadrant lies in the flood plain		
Interstate highway intersects this quadrant		
Pipeline intersects this quadrant		
COURTYARD MARRIOTT	Type 2	Hotels/Motels
SPRINGHILL SUITES	Type 2	Hotels/Motels
FAIRFIELD INN	Type 2	Hotels/Motels
RESIDENCE INN	Type 2	Hotels/Motels
EMPIRE MALL	Type 2	Mall

NE5E

Fire

Rescue

HazMat

EMS

SUB Substation

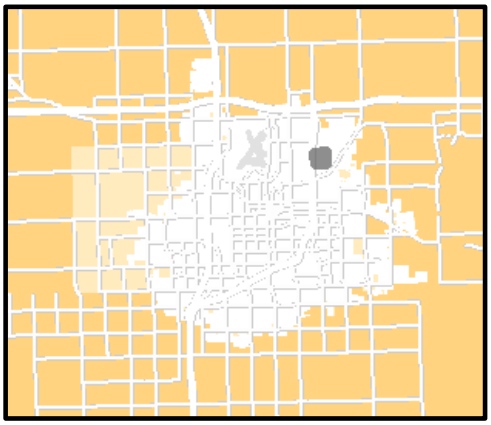
Transmission Line

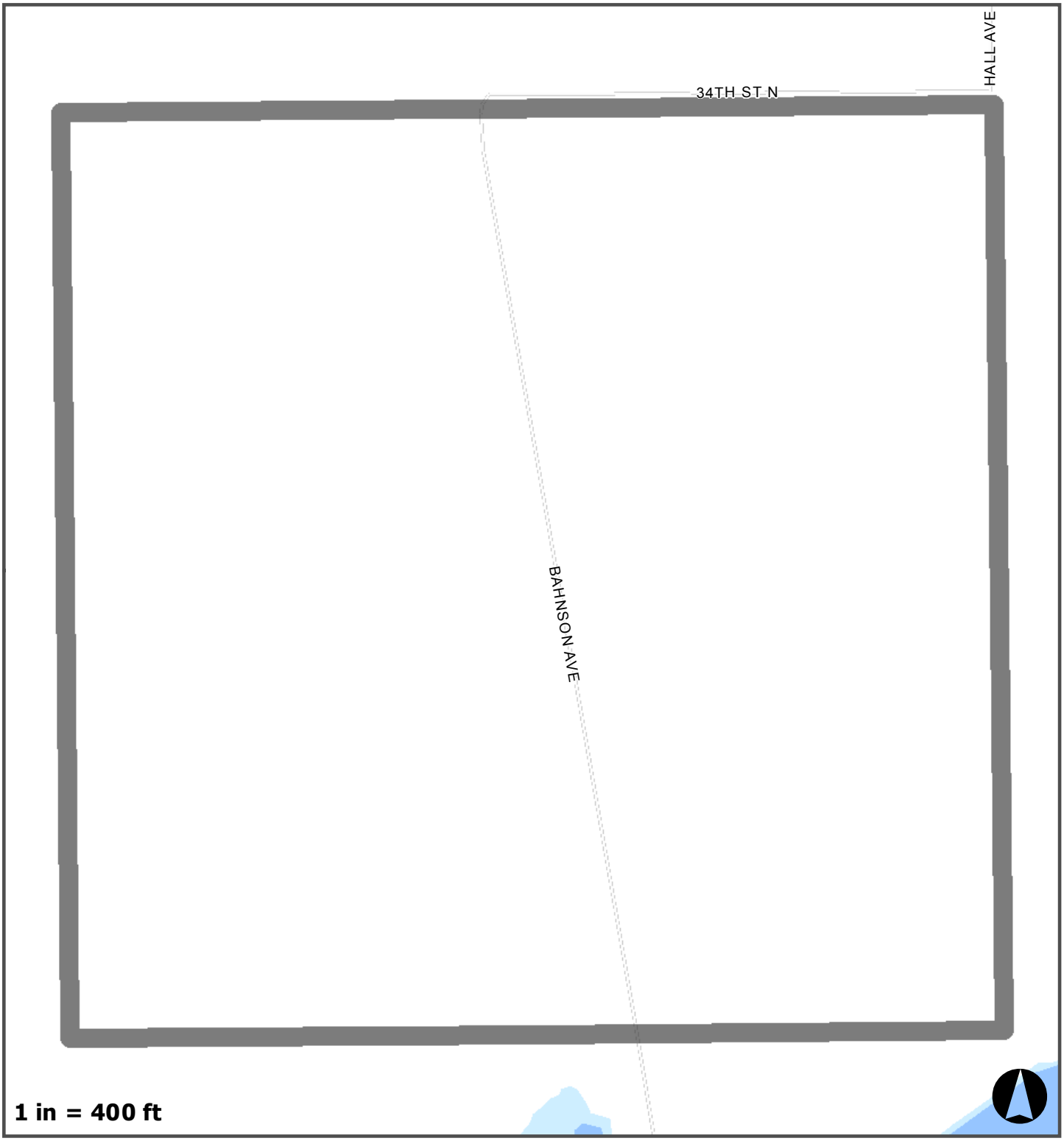
Major Gas Line

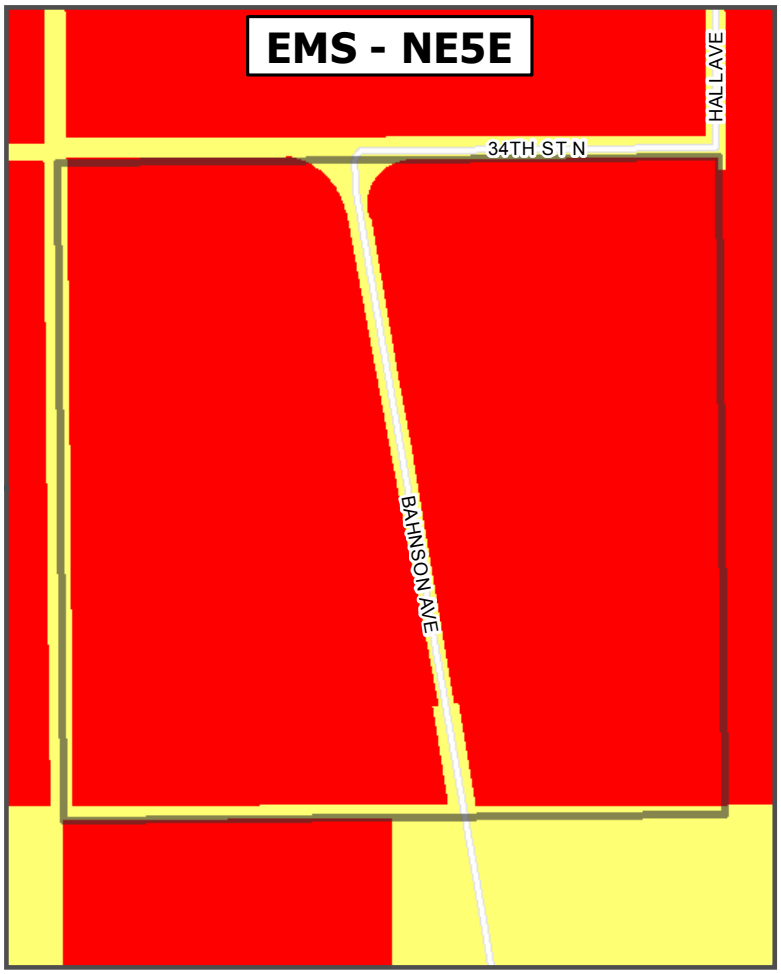
Floodplain

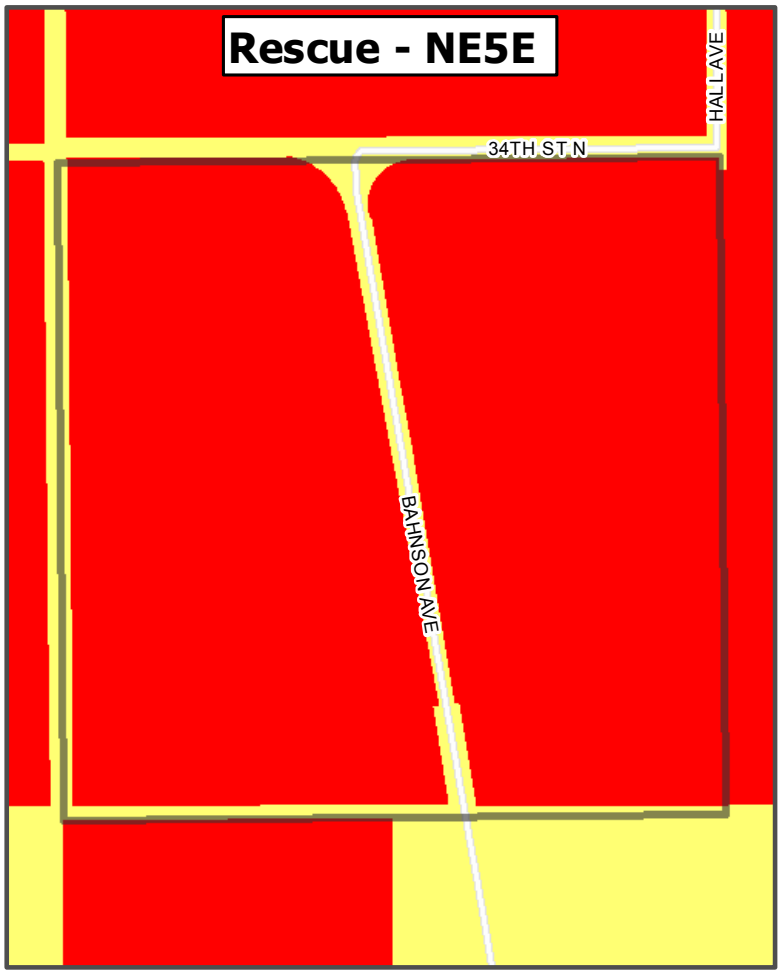
0.2 percent Annual Chance

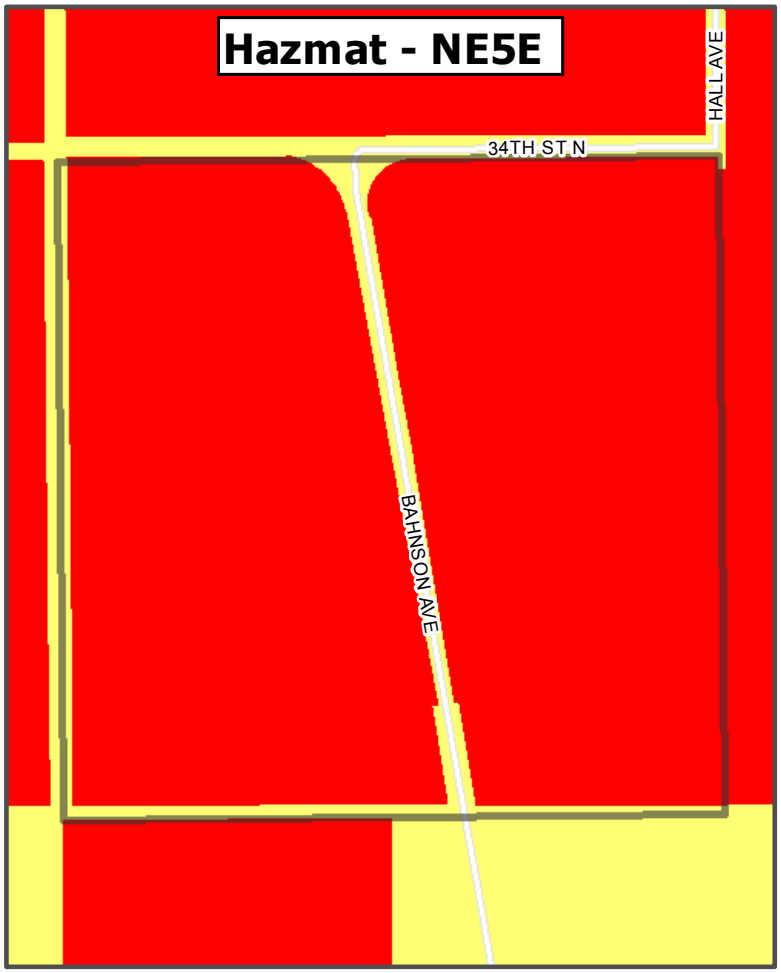
1 percent Annual Chance

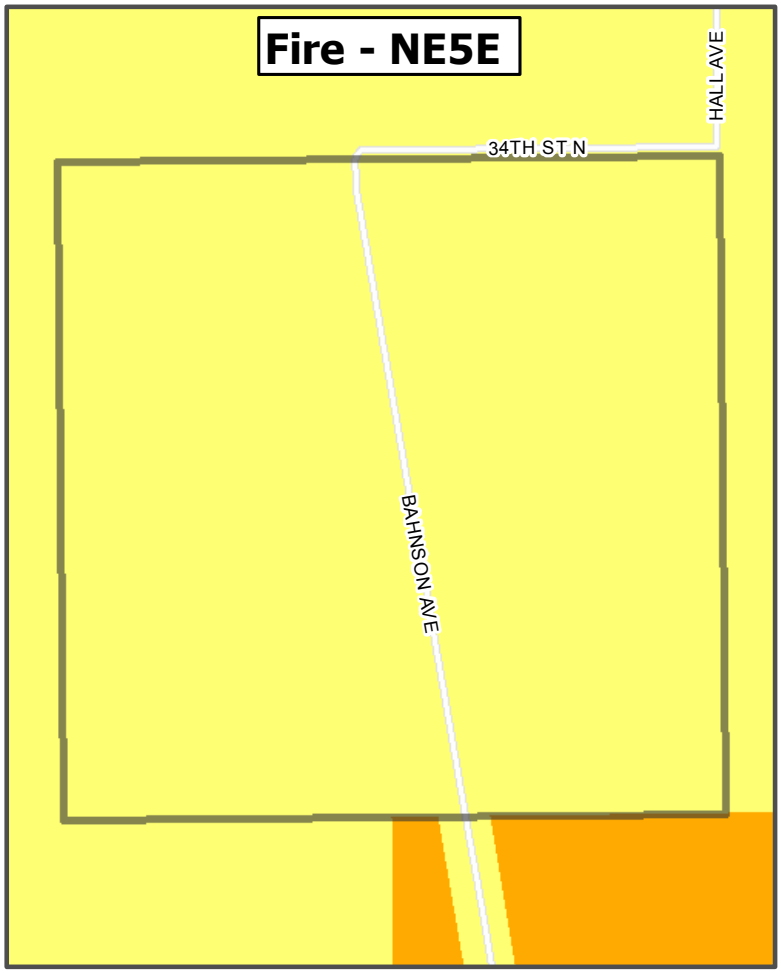












Low | Moderate | High | Special

1 inch = 766 feet

2015 Hazard/Risk Analysis by Planning Zones 5F

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 5% of this quadrant lies in the flood plain		
Pipeline intersects this quadrant		

NE5F

Fire

Rescue

HazMat

EMS

SUB Substation

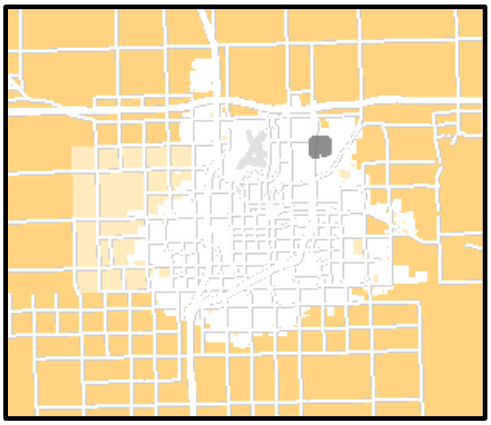
Transmission Line

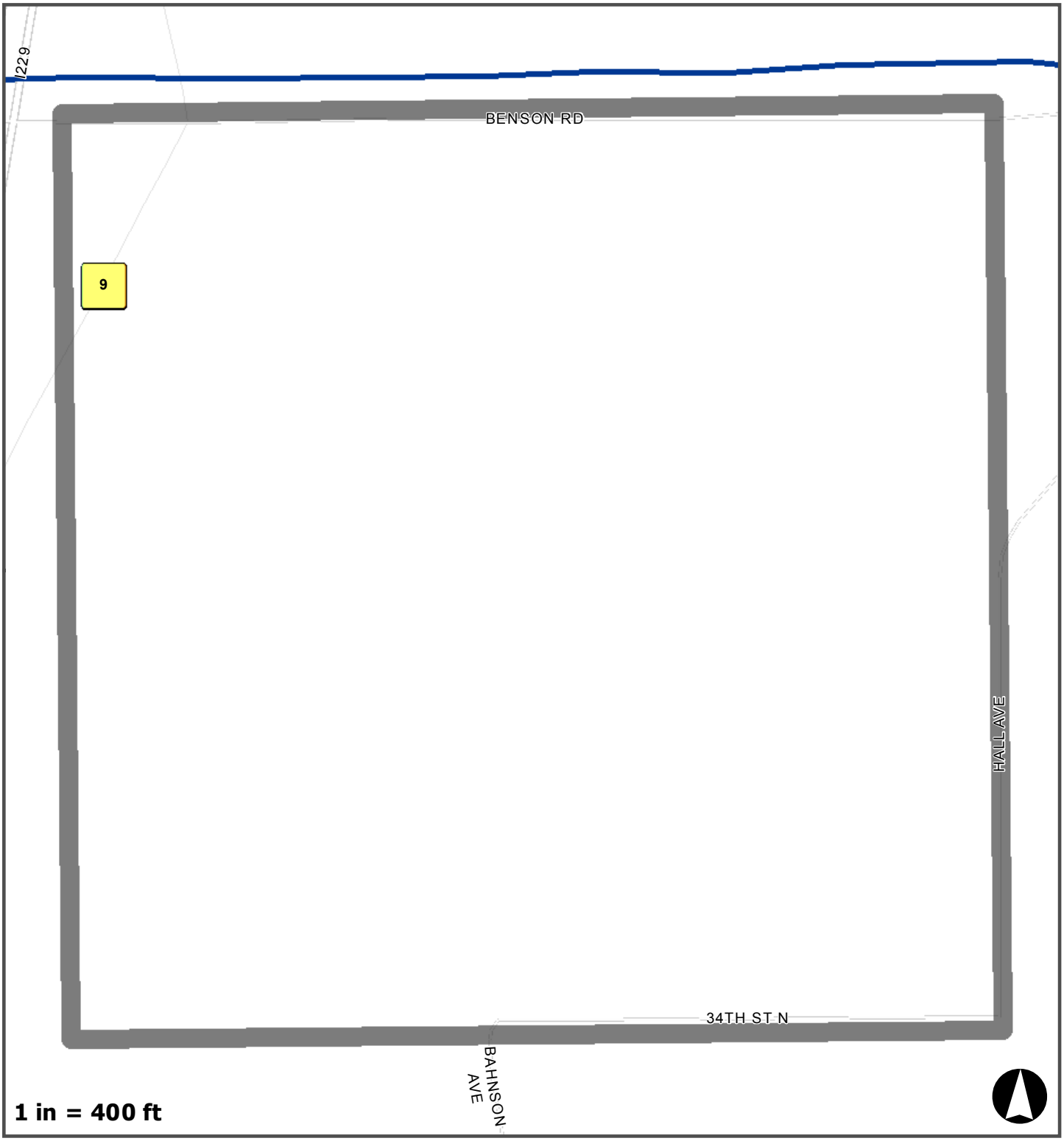
Major Gas Line

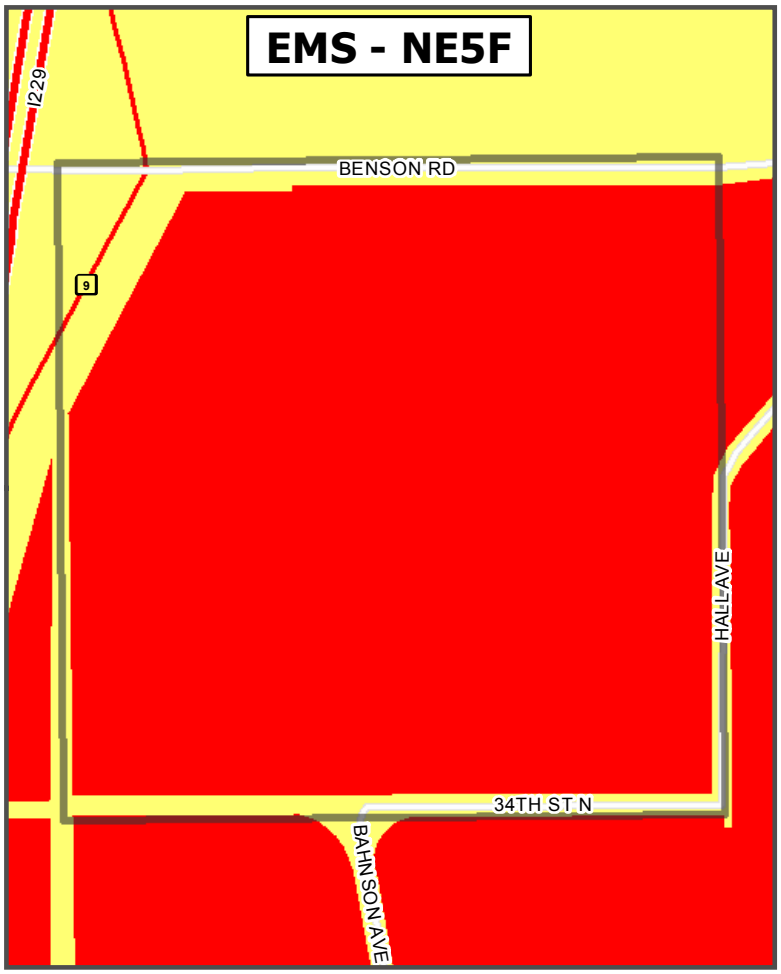
Floodplain

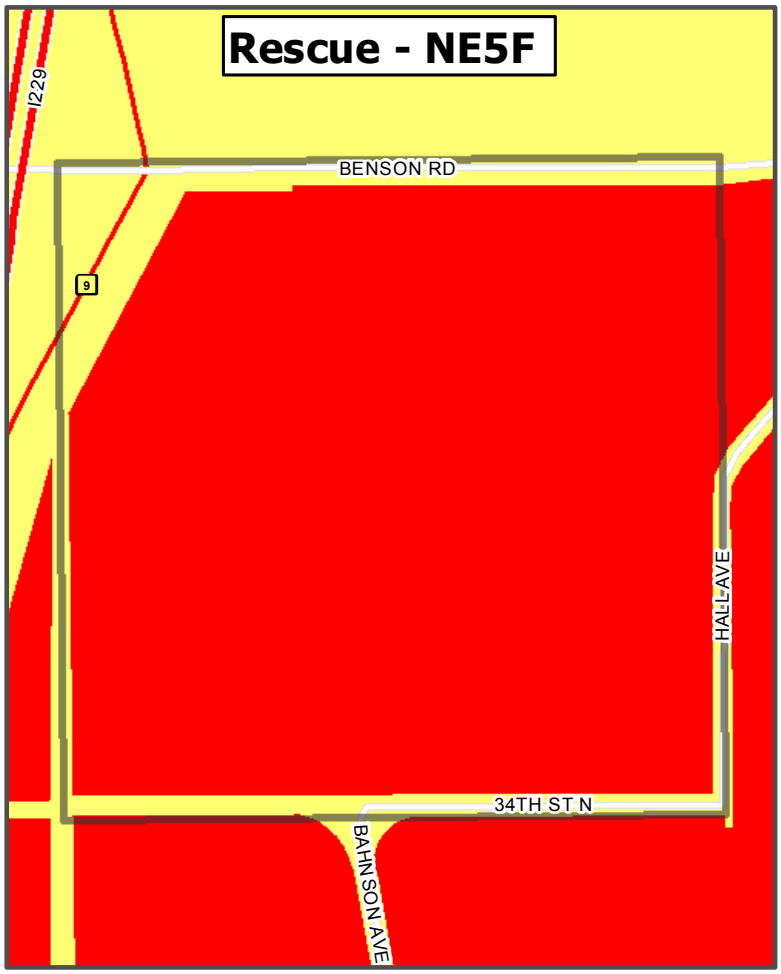
0.2 percent Annual Chance

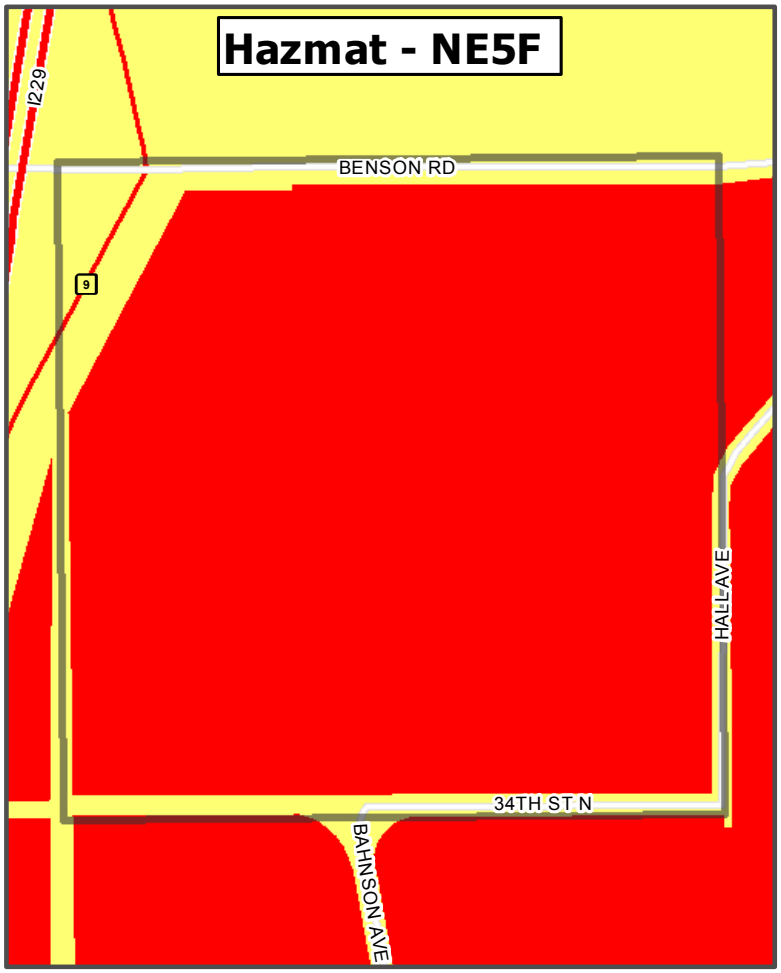
1 percent Annual Chance

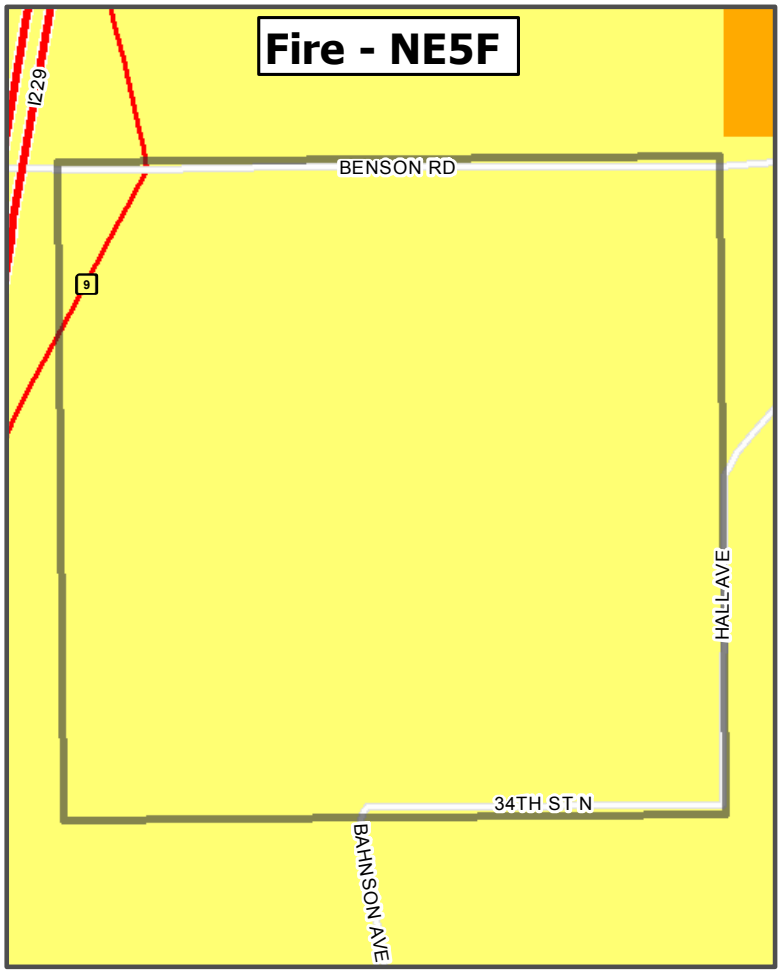












Low | Moderate | High | Special

1 inch = 765 feet

2015 Hazard/Risk Analysis by Planning Zones 5G

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Interstate highway intersects this quadrant		
Pipeline intersects this quadrant		
COLORADO TECHNICAL INSTITUTE	Type 1	College

NE5G

Fire

Rescue

HazMat

EMS

SUB Substation

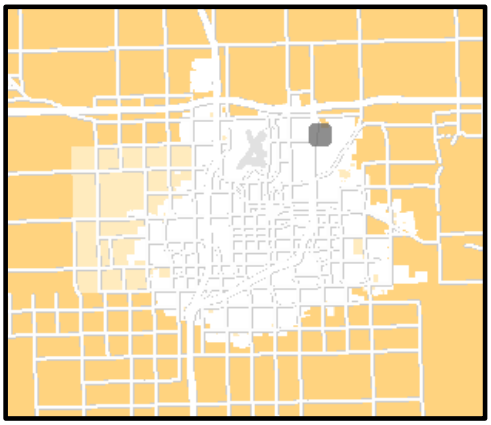
Transmission Line

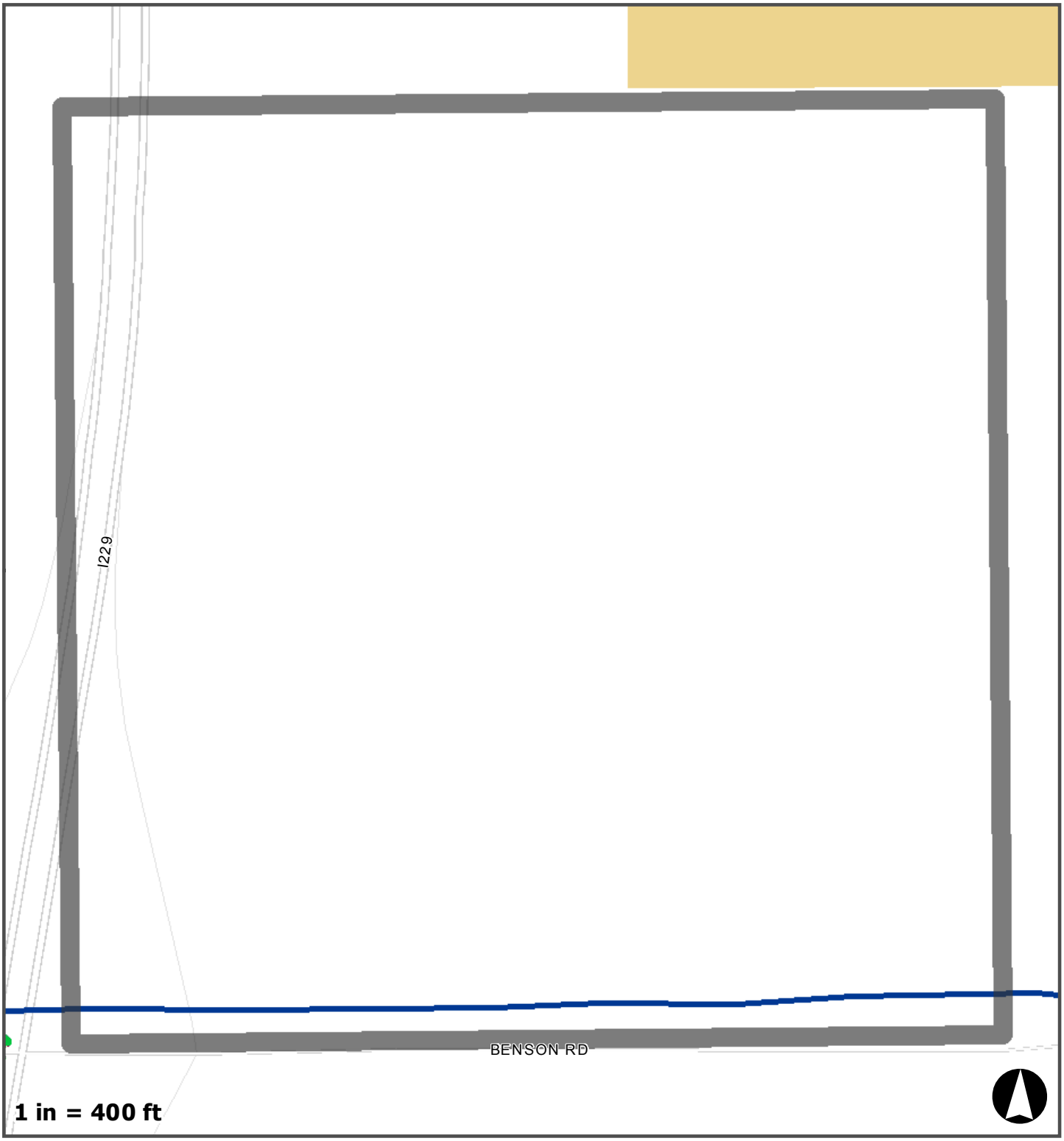
Major Gas Line

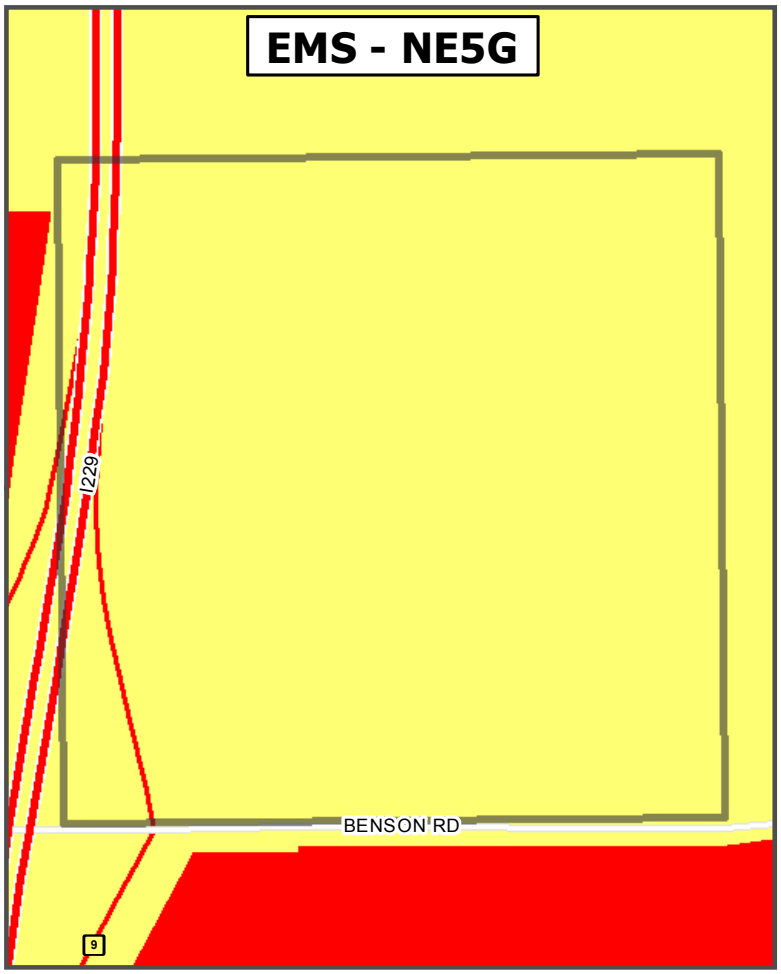
Floodplain

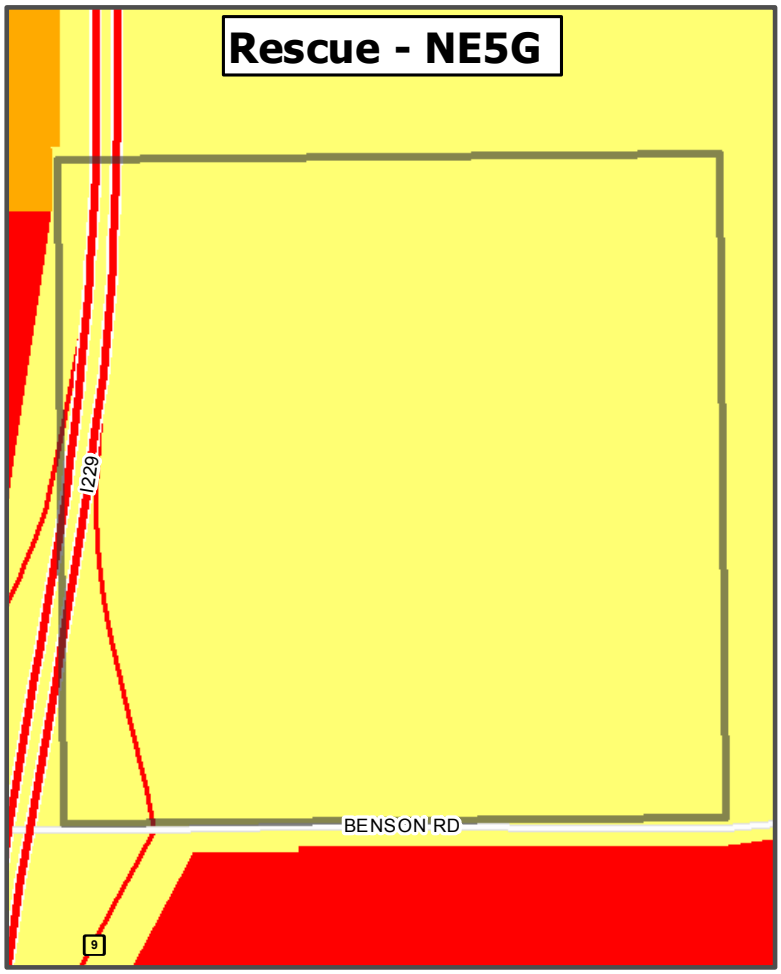
0.2 percent Annual Chance

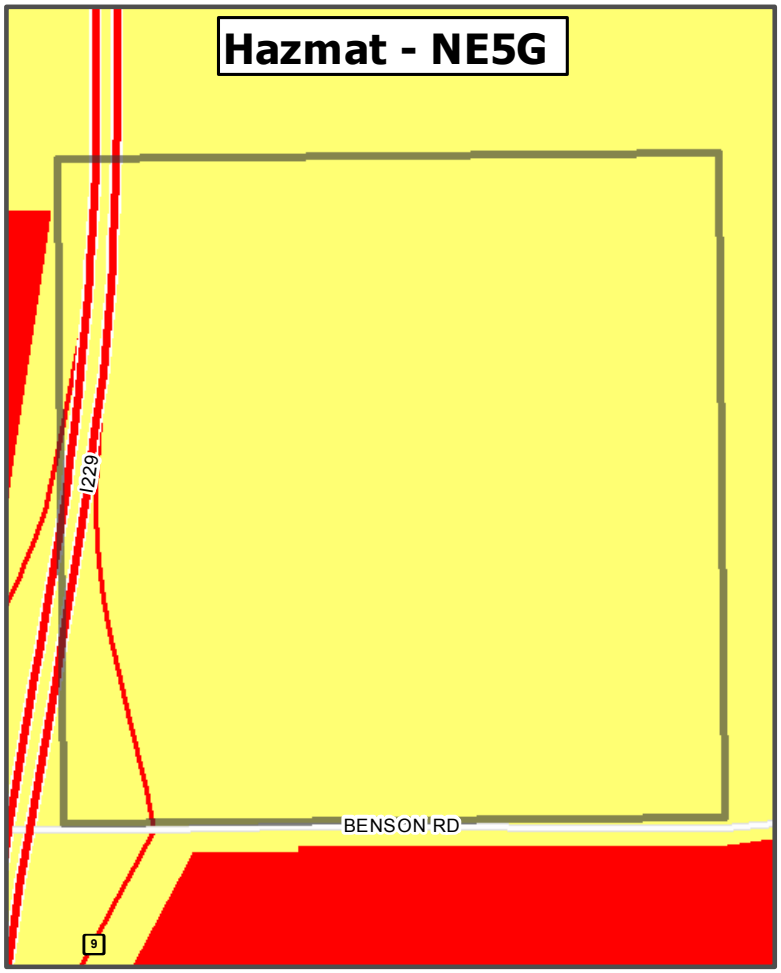
1 percent Annual Chance











Low | Moderate | High | Special

1 inch = 768 feet

2015 Hazard/Risk Analysis by Planning Zones 5H

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Interstate highway intersects this quadrant		

NE5H

Fire

Rescue

HazMat

EMS

SUB Substation

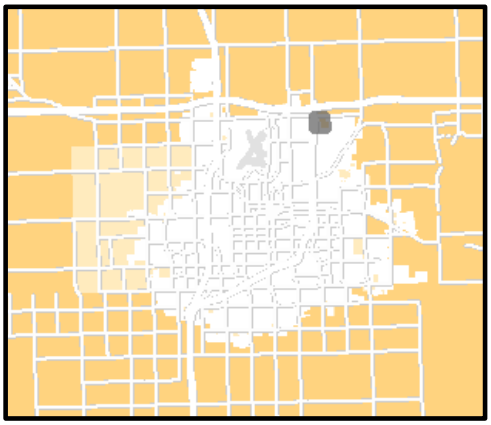
Transmission Line

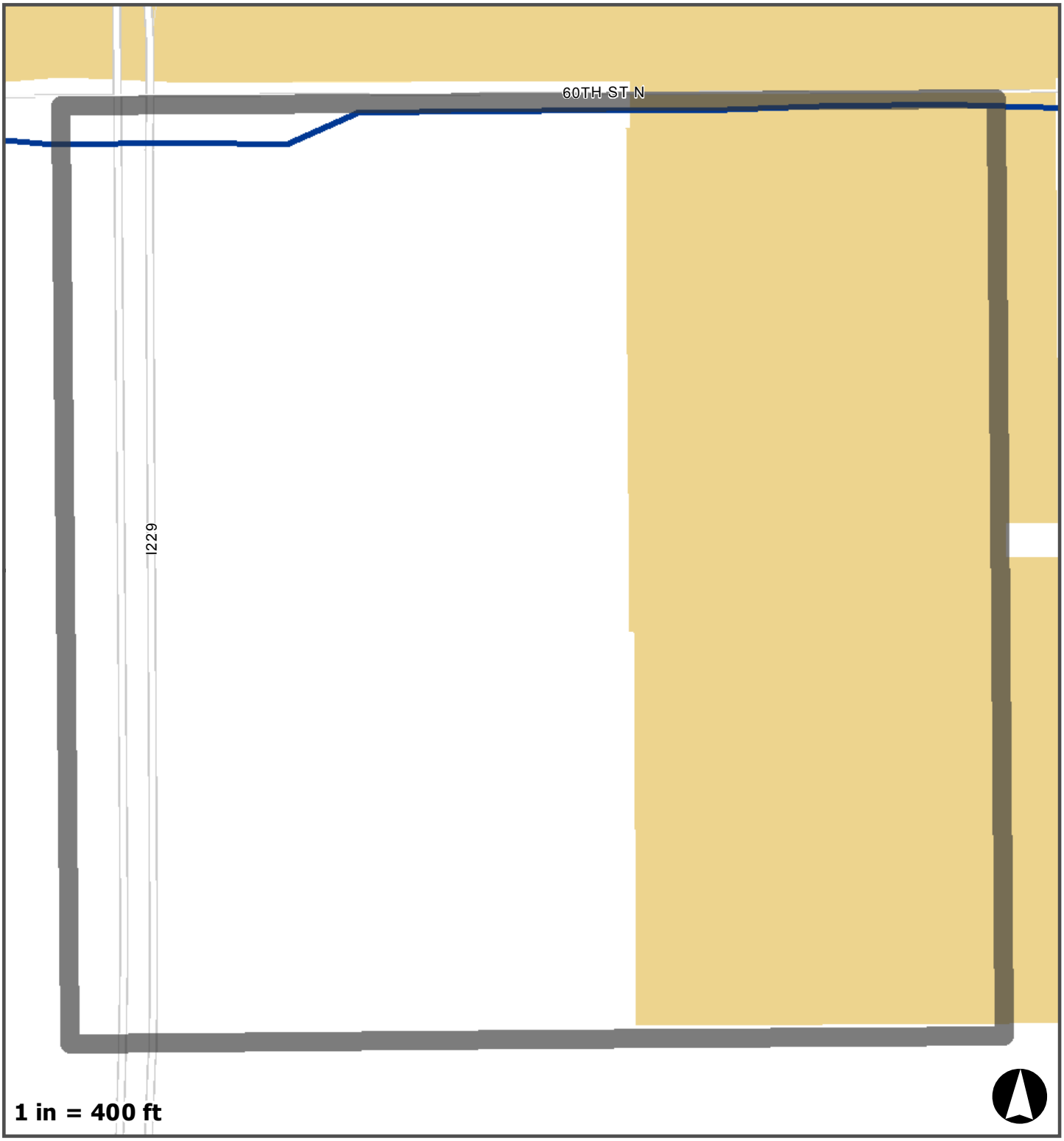
Major Gas Line

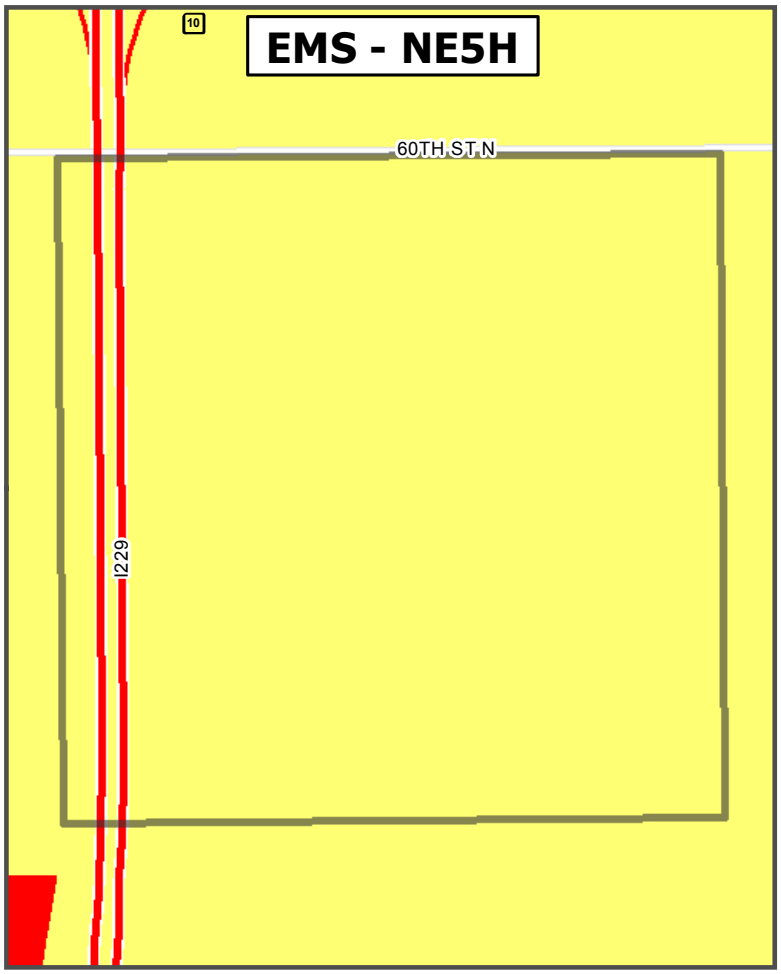
Floodplain

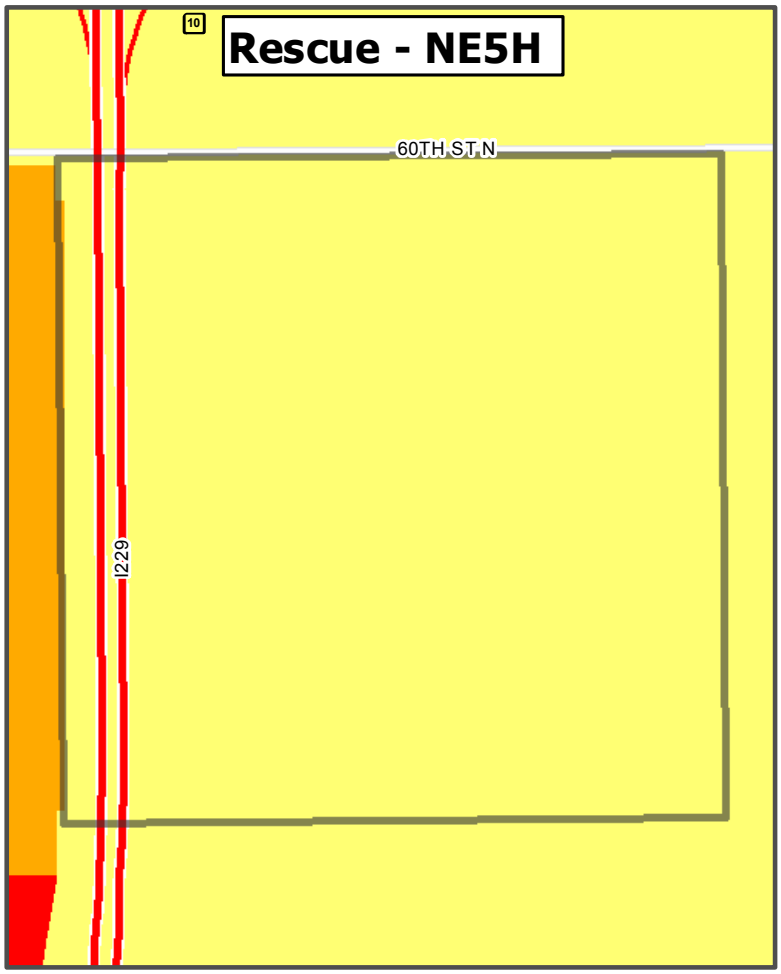
0.2 percent Annual Chance

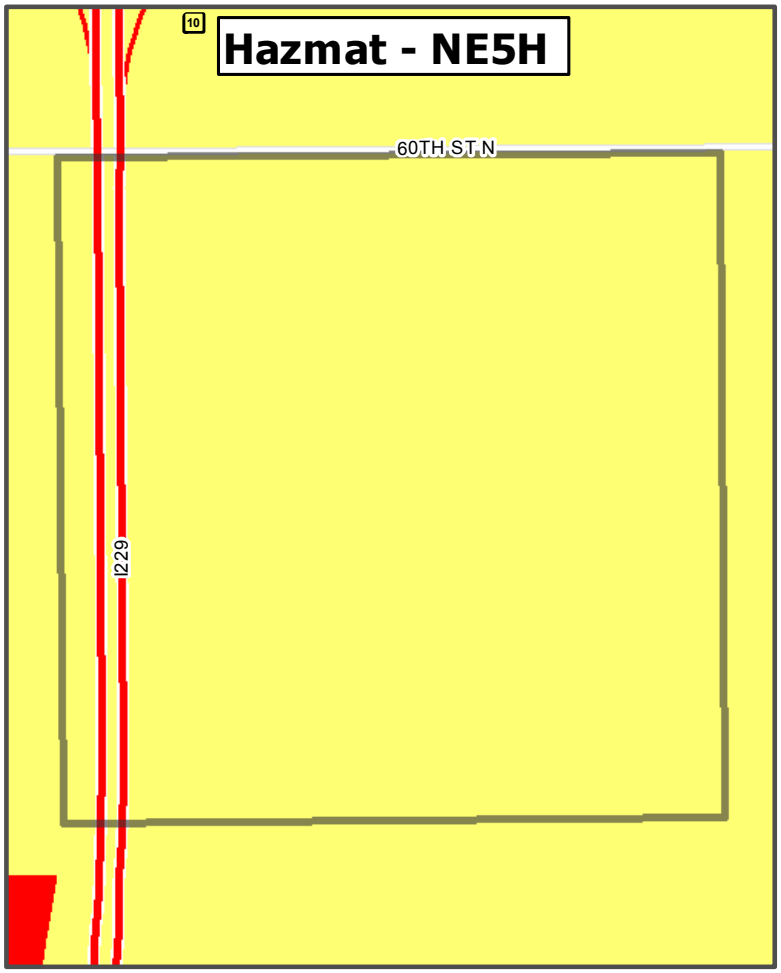
1 percent Annual Chance

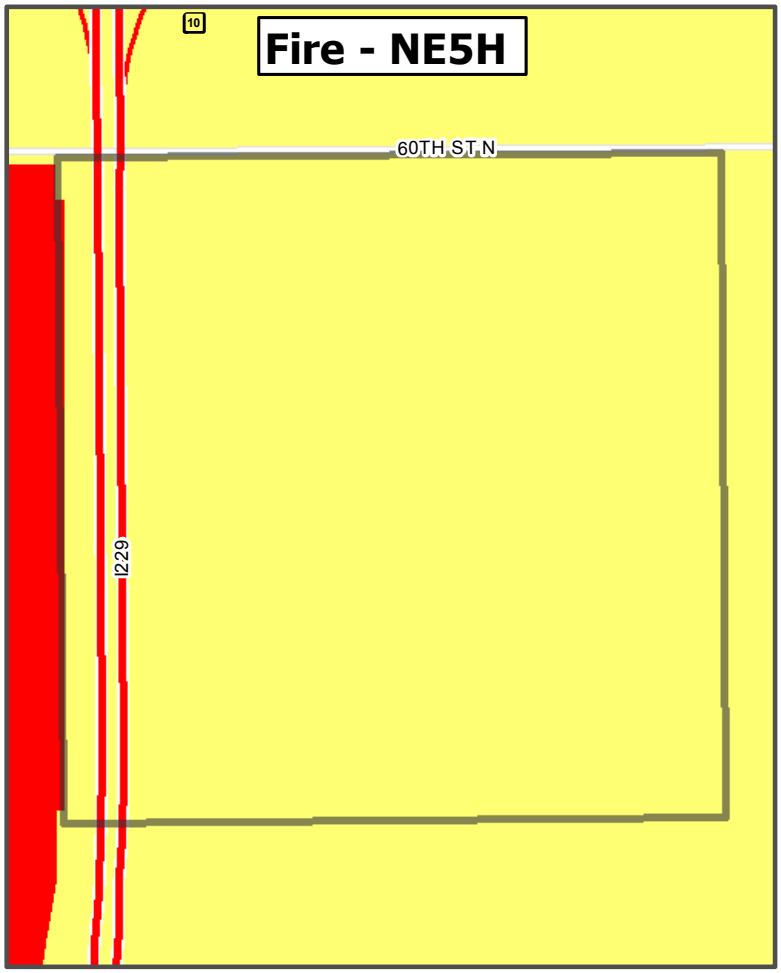












Low | Moderate | High | Special

1 inch = 767 feet

2015 Hazard/Risk Analysis by Planning Zones 5I

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	2
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy

NE5I

Fire

Rescue

HazMat

EMS

SUB Substation

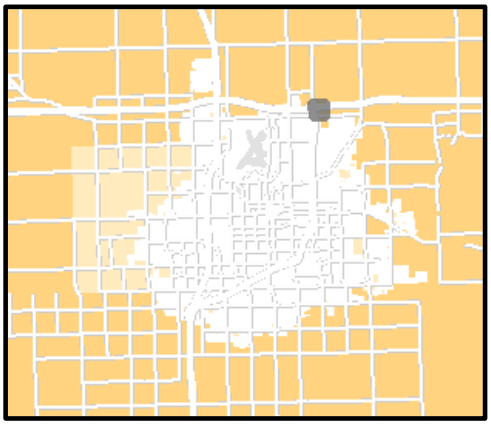
Transmission Line

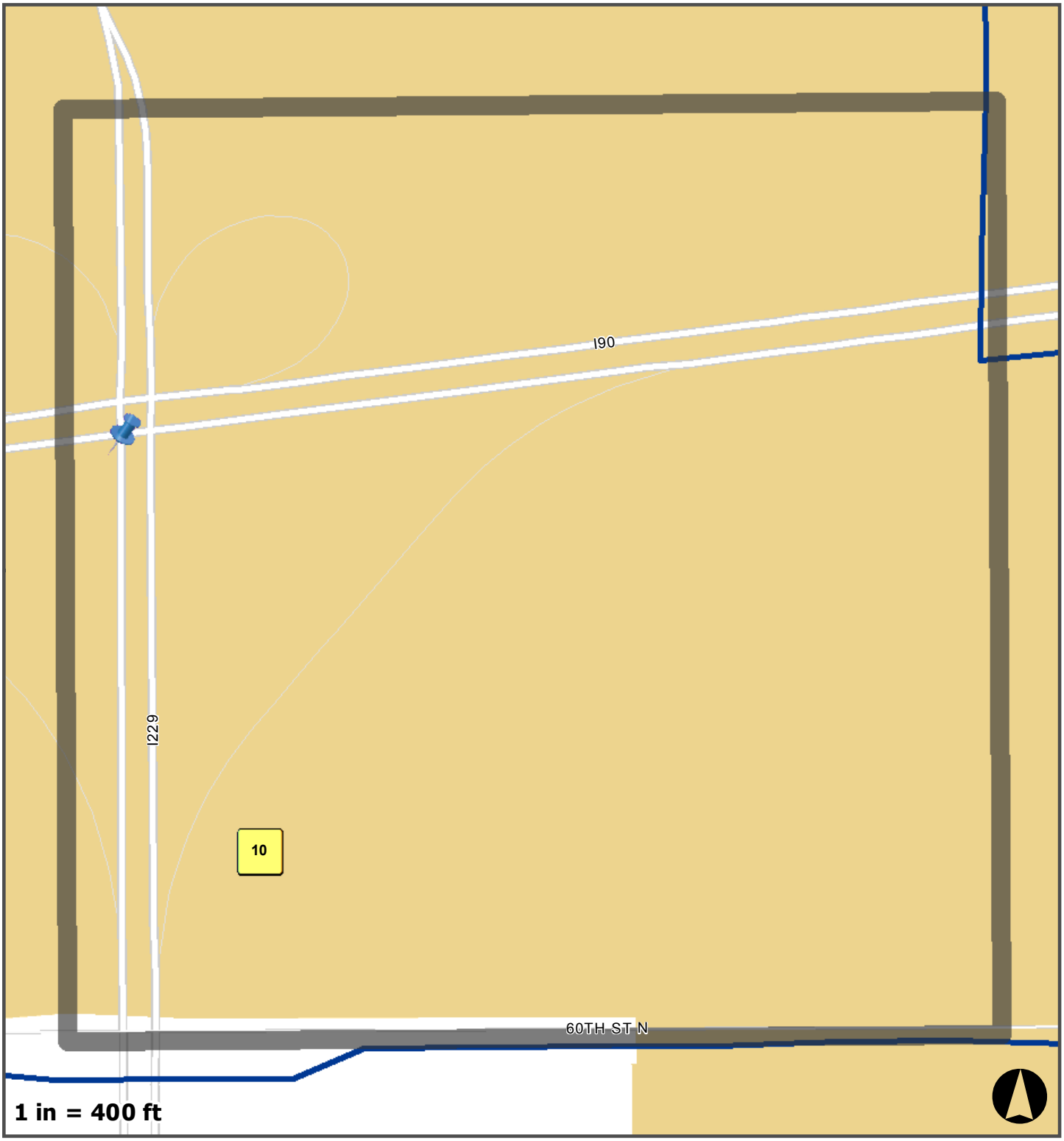
Major Gas Line

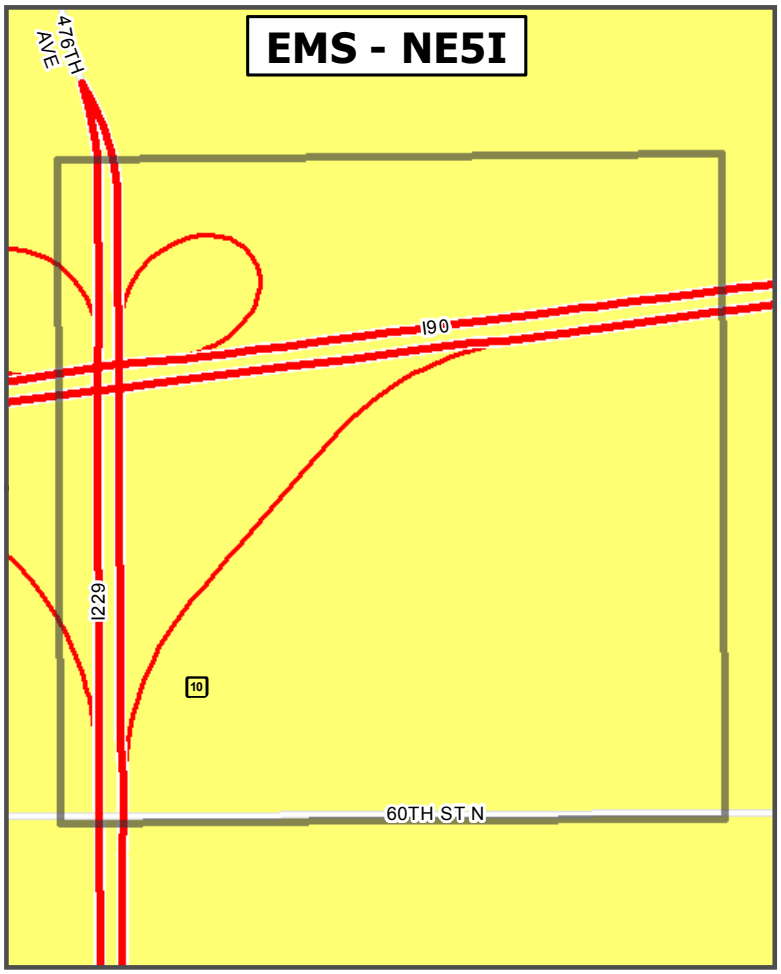
Floodplain

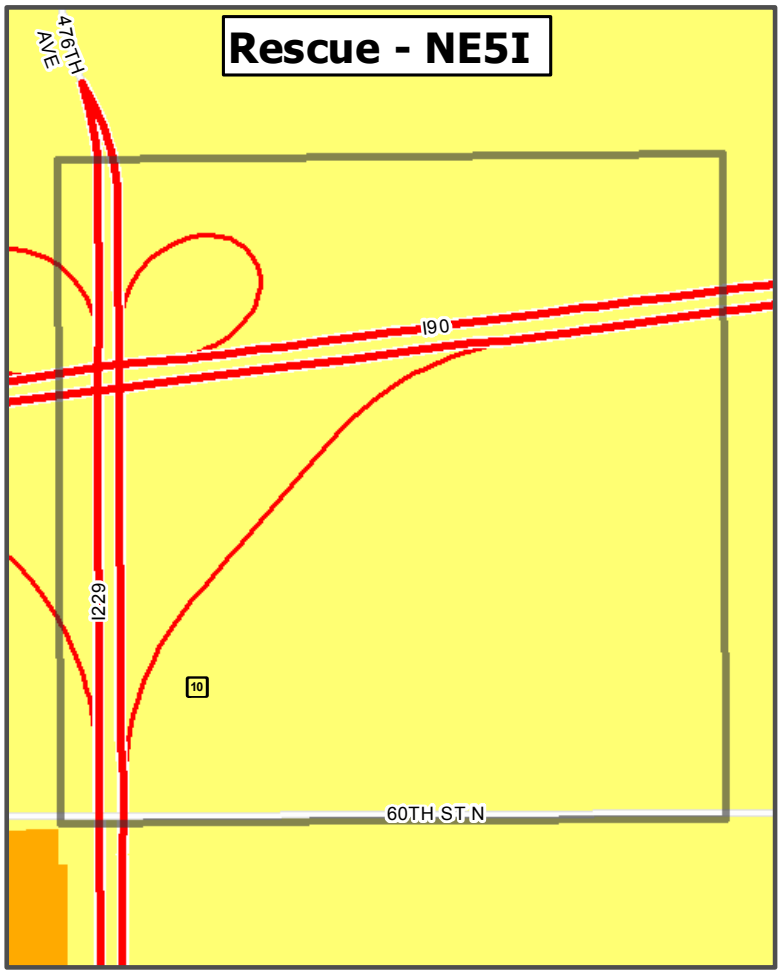
0.2 percent Annual Chance

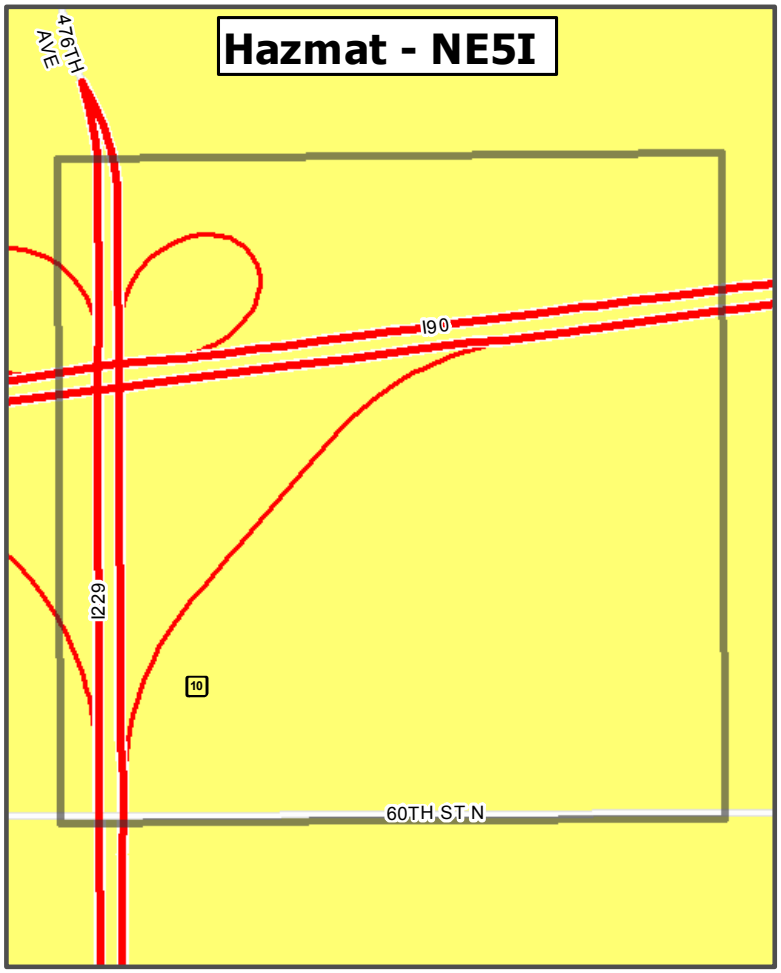
1 percent Annual Chance

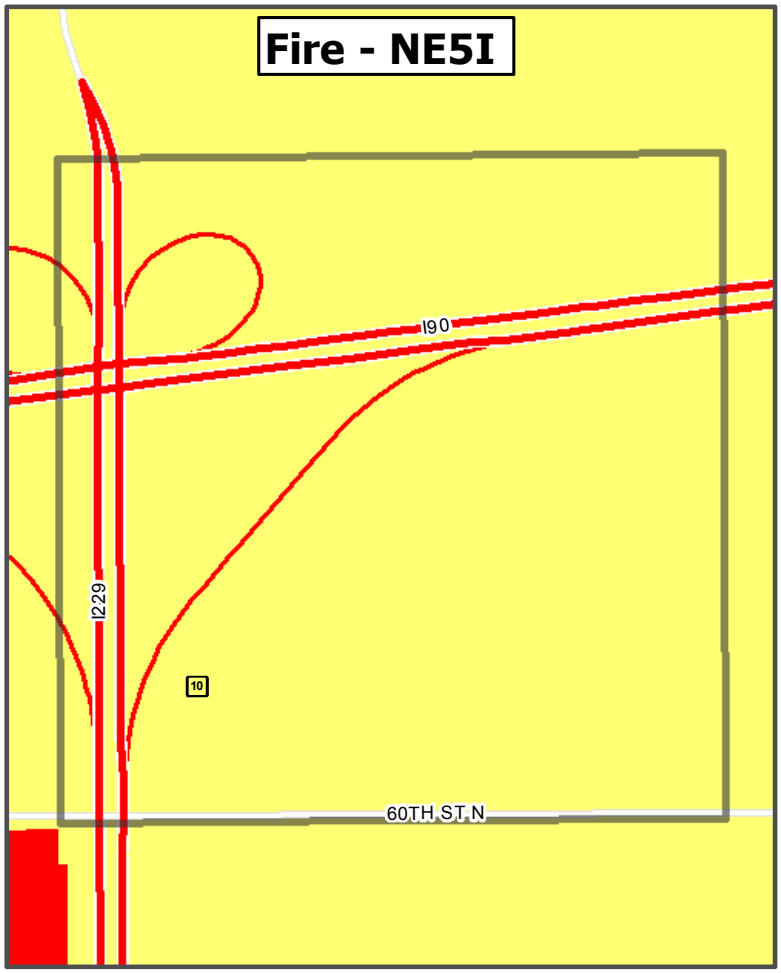












Low | Moderate | High | Special

1 inch = 763 feet

2015 Hazard/Risk Analysis by Planning Zones 6A

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	1

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	36
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	2
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 50% of this quadrant lies in the flood plain (Skunk Creek)		
Pipe line intersects this quadrant		

NE6A

Fire

Rescue

HazMat

EMS

SUB Substation

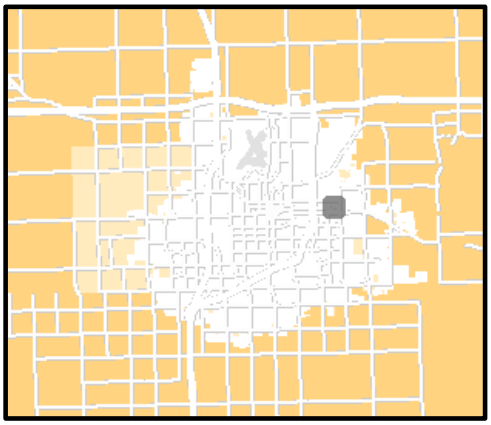
Transmission Line

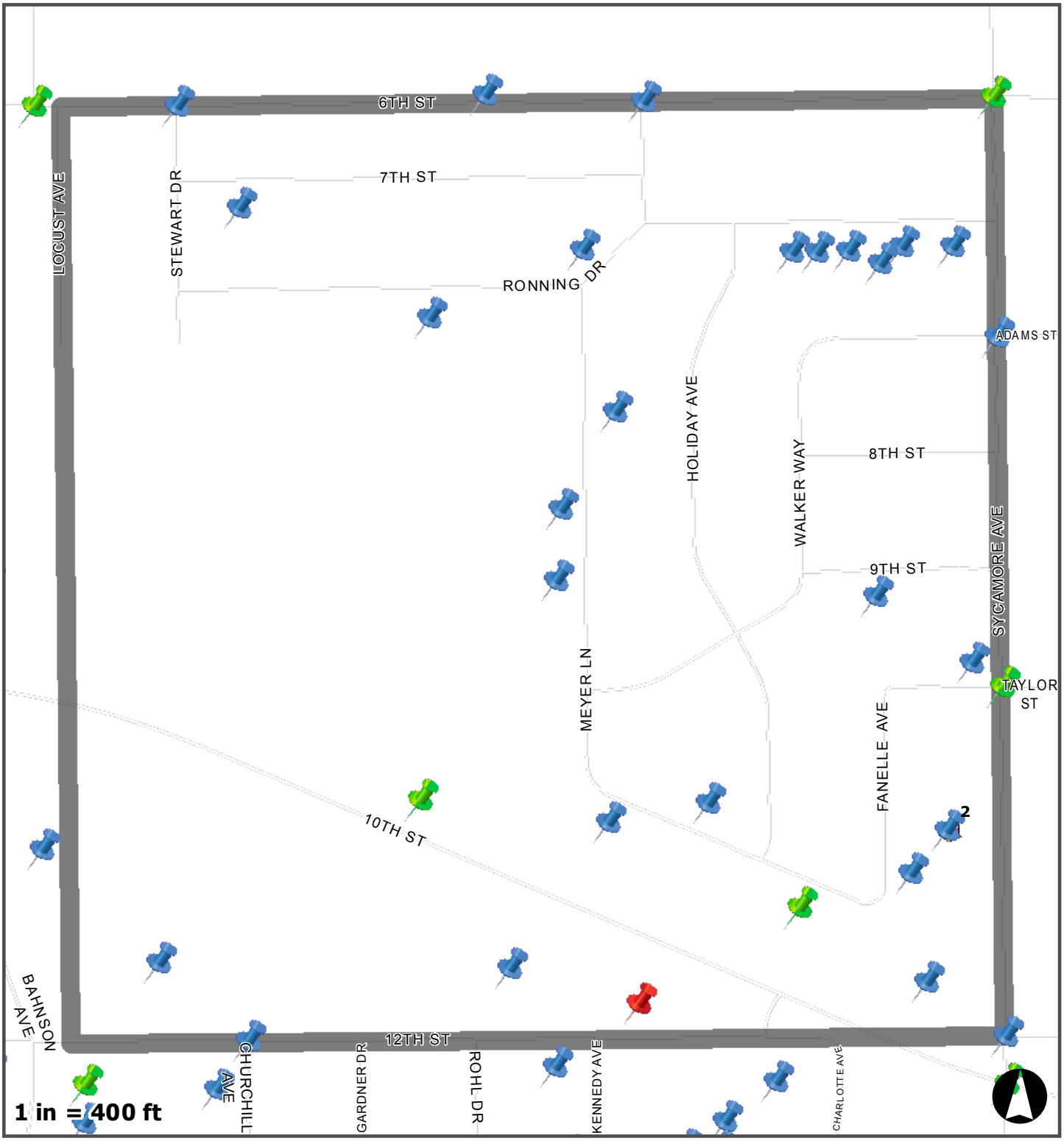
Major Gas Line

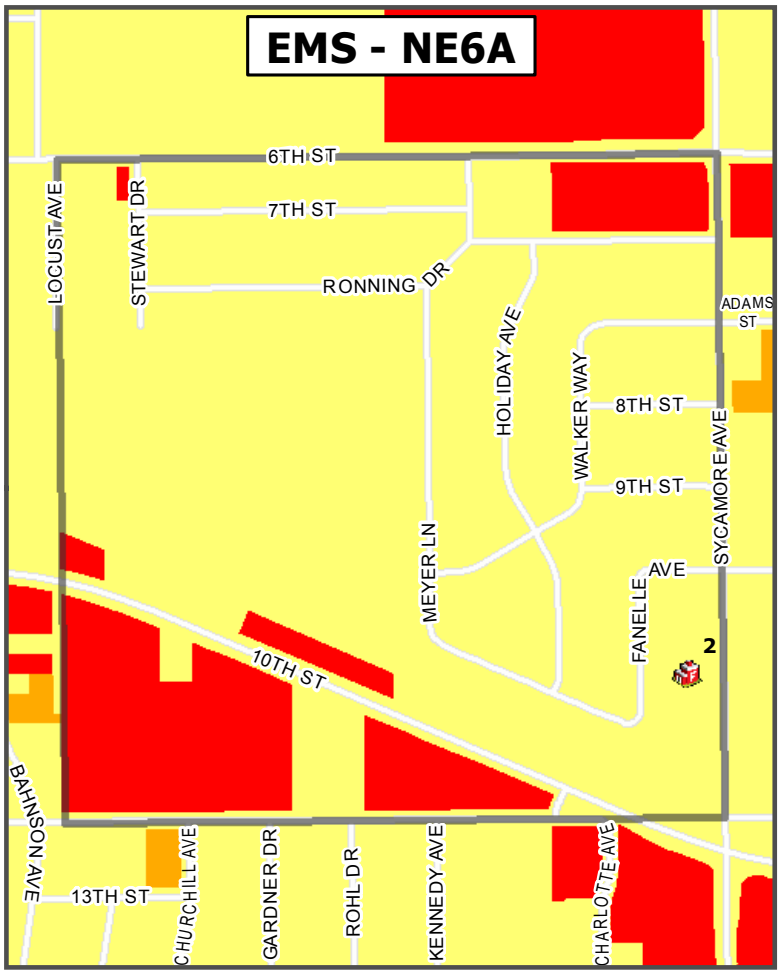
Floodplain

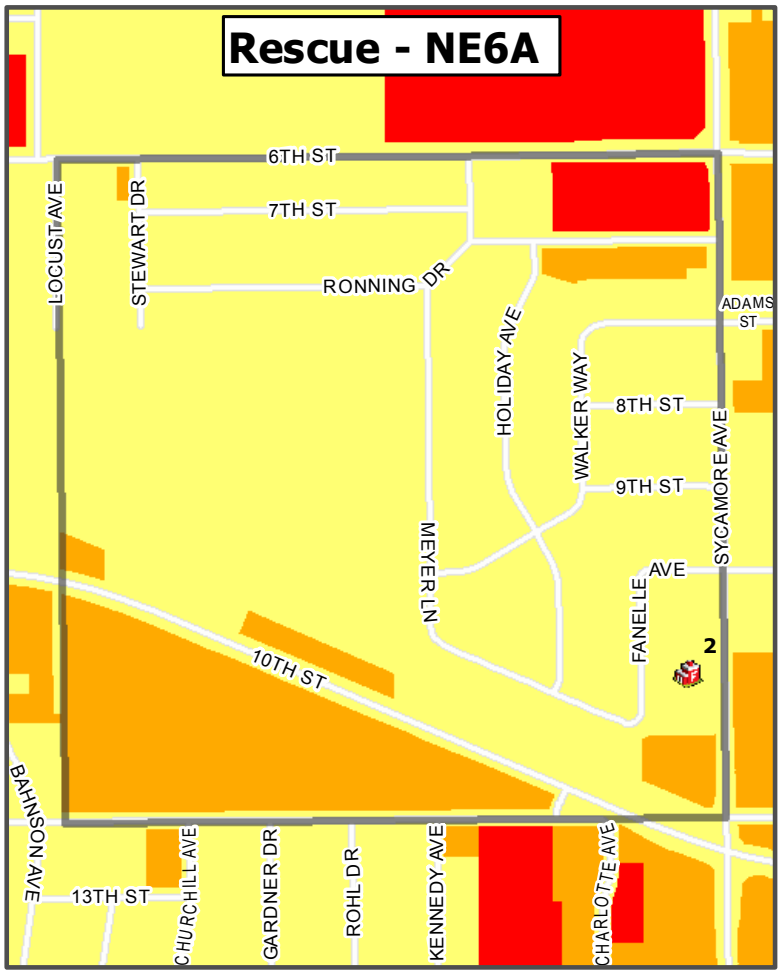
0.2 percent Annual Chance

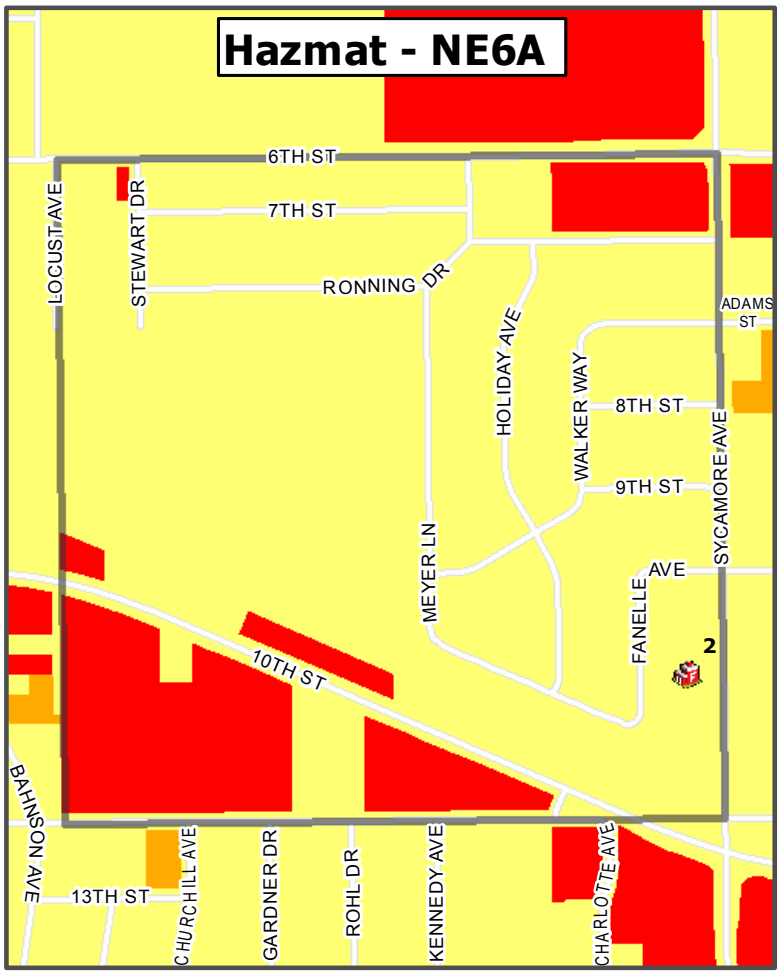
1 percent Annual Chance

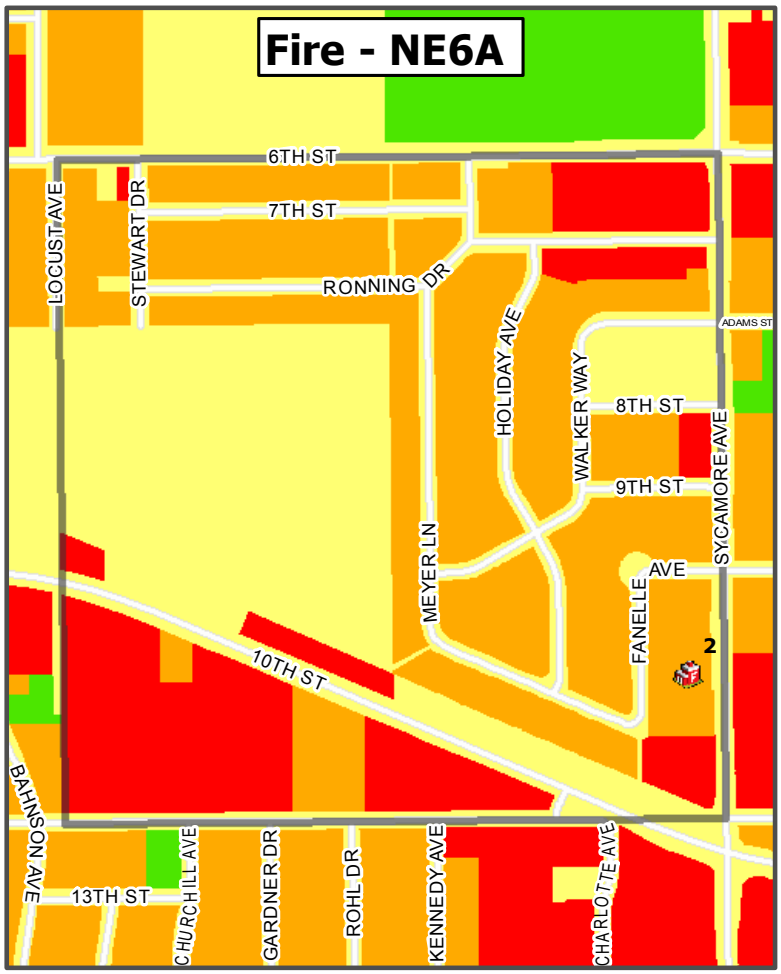












Low | Moderate | High | Special

1 inch = 767 feet

2015 Hazard/Risk Analysis by Planning Zones 6B

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	4
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	15
EMS Calls-High	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 100% of this quadrant lies in the flood plain		
Pipeline intersects this quadrant		
FOXMOOR 3 APARTMENTS	Type 2	High Rise
FOXMOOR 2 APARTMENTS	Type 2	High Rise
FOXMOOR 1 APARTMENTS	Type 2	High Rise
ST MICHAEL'S SCHOOL	Type 1	School

NE6B

Fire

Rescue

HazMat

EMS

SUB Substation

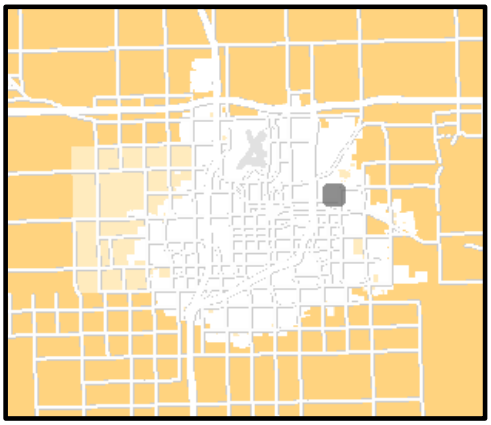
Transmission Line

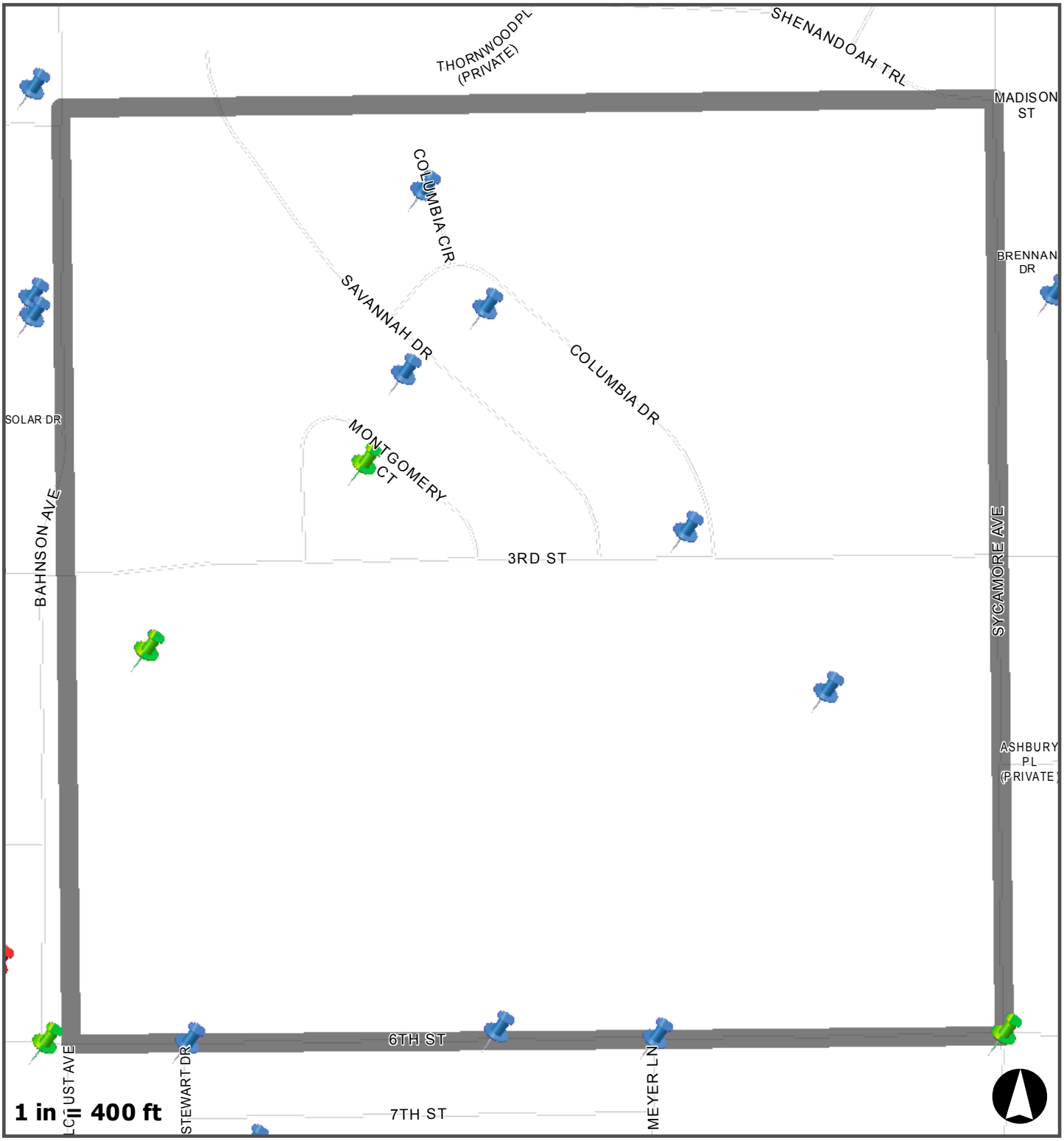
Major Gas Line

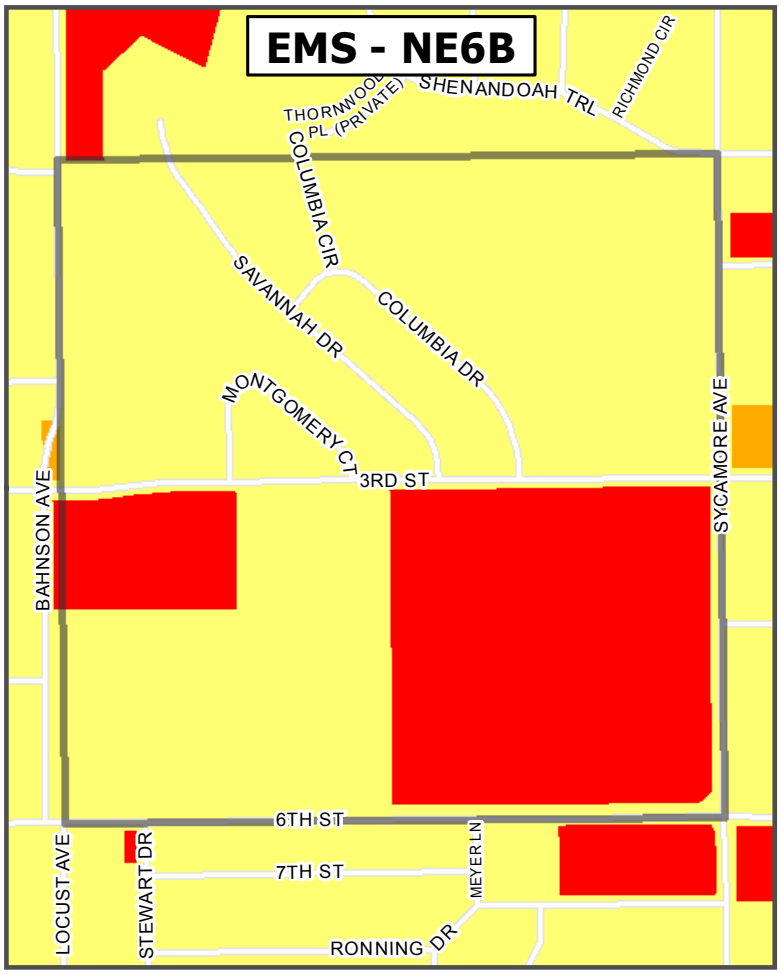
Floodplain

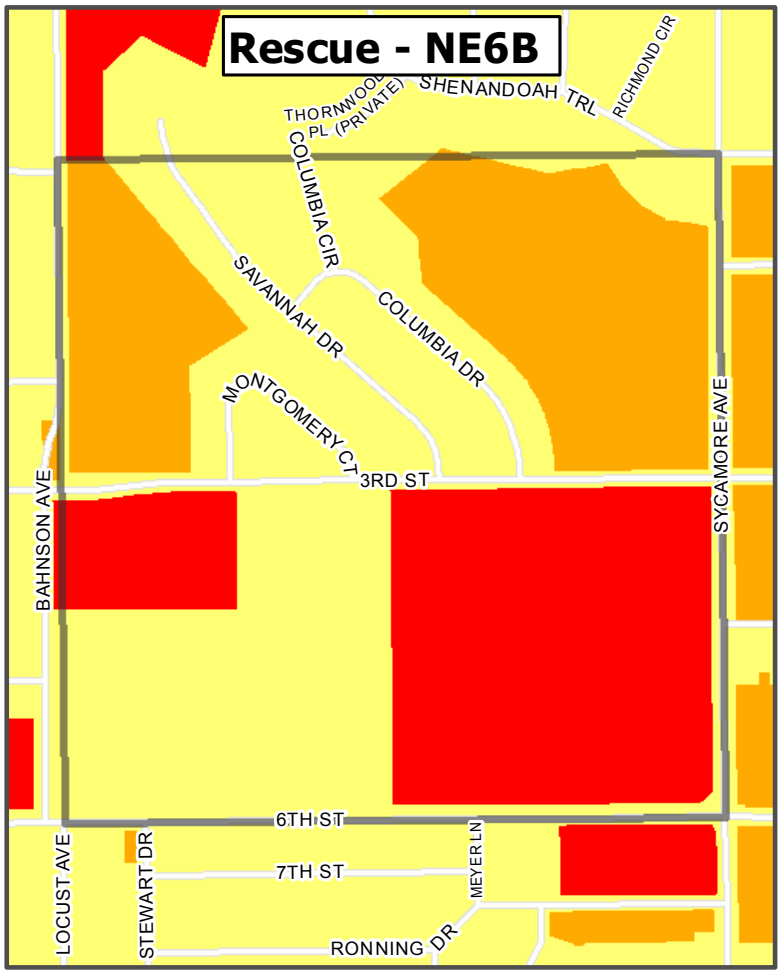
0.2 percent Annual Chance

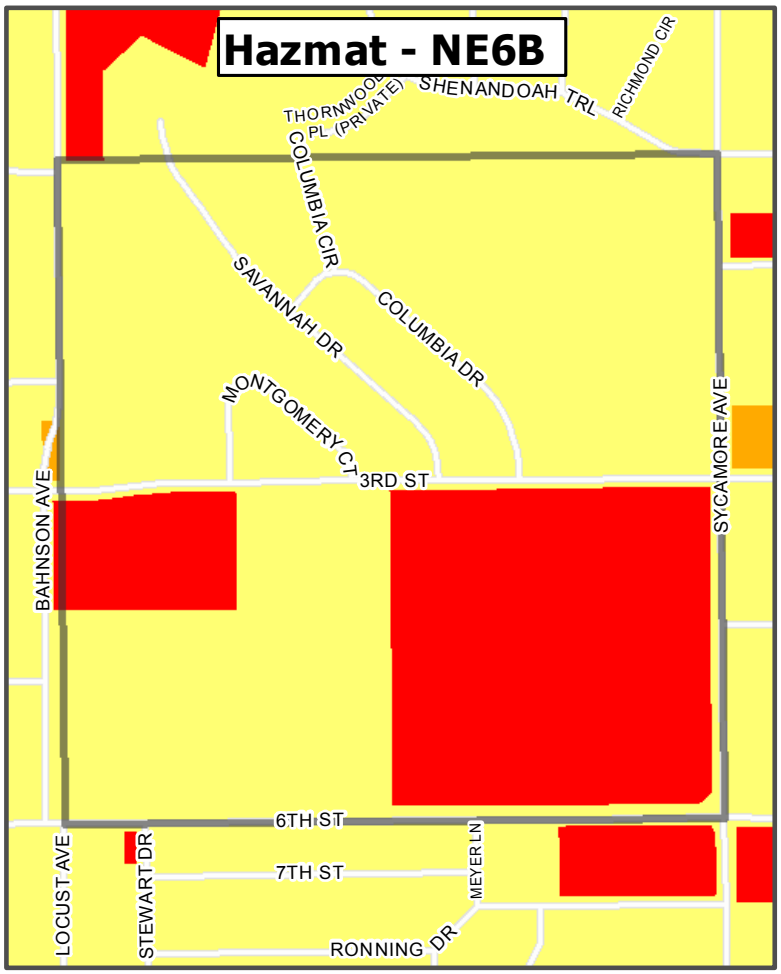
1 percent Annual Chance

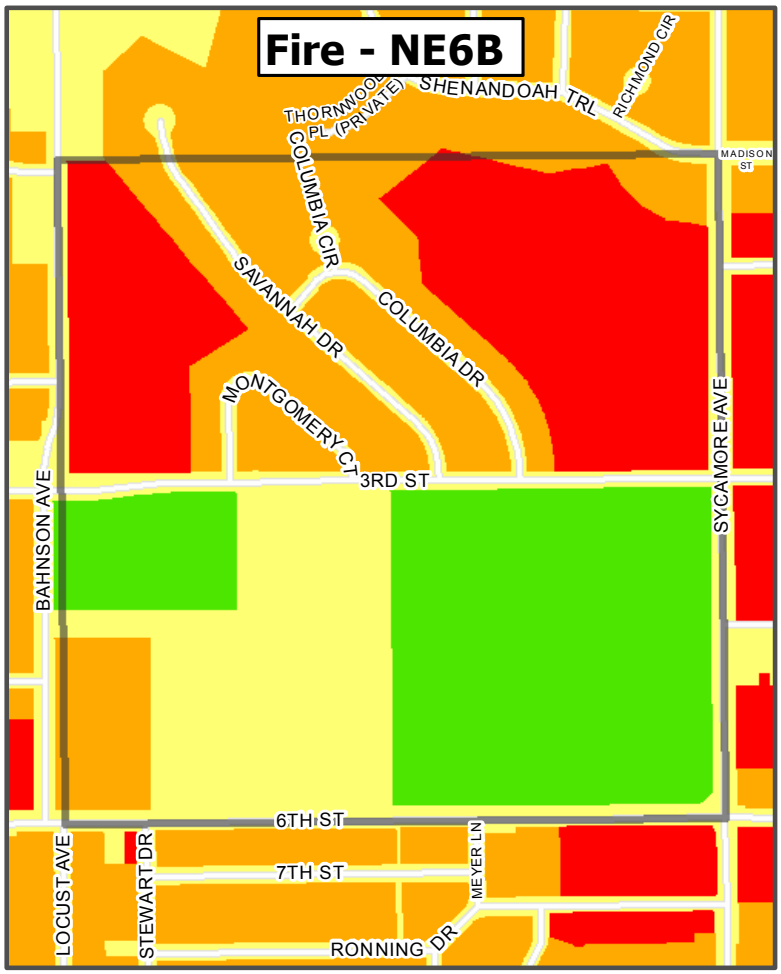












Low | Moderate | High | Special

1 inch = 768 feet

2015 Hazard/Risk Analysis by Planning Zones 6C

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	1
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	2
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	2
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 20% of this quadrant lies in the flood plain		
Interstate highway intersects this quadrant		
Pipeline intersects this quadrant		
TOWN PLACE MOTEL	Type 2	Hotels/Motels

NE6C

Fire

Rescue

HazMat

EMS

SUB Substation

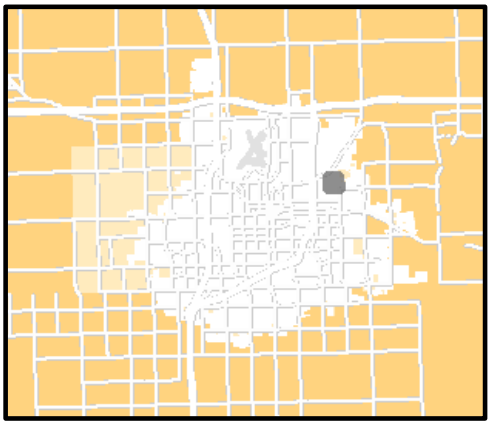
Transmission Line

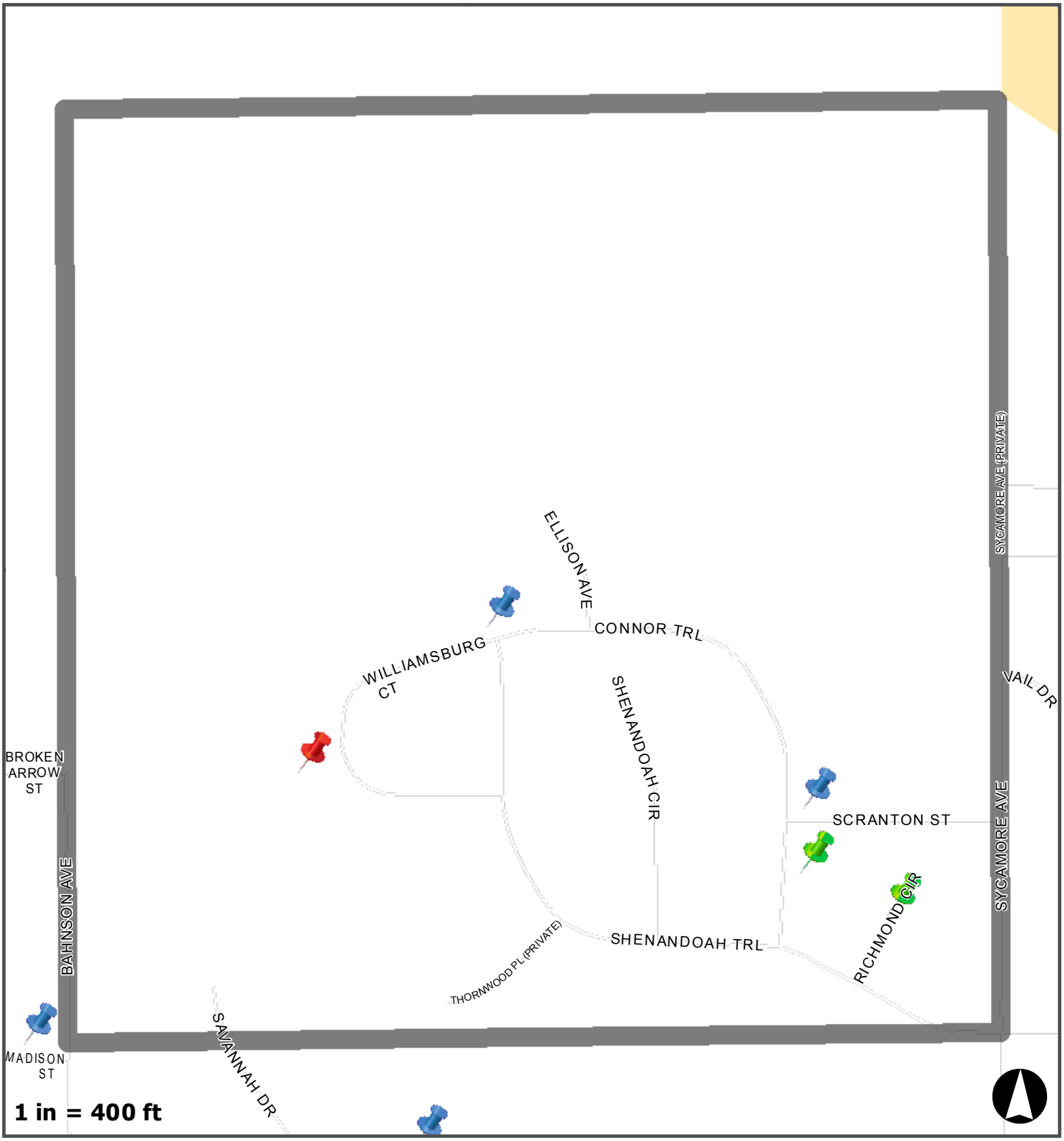
Major Gas Line

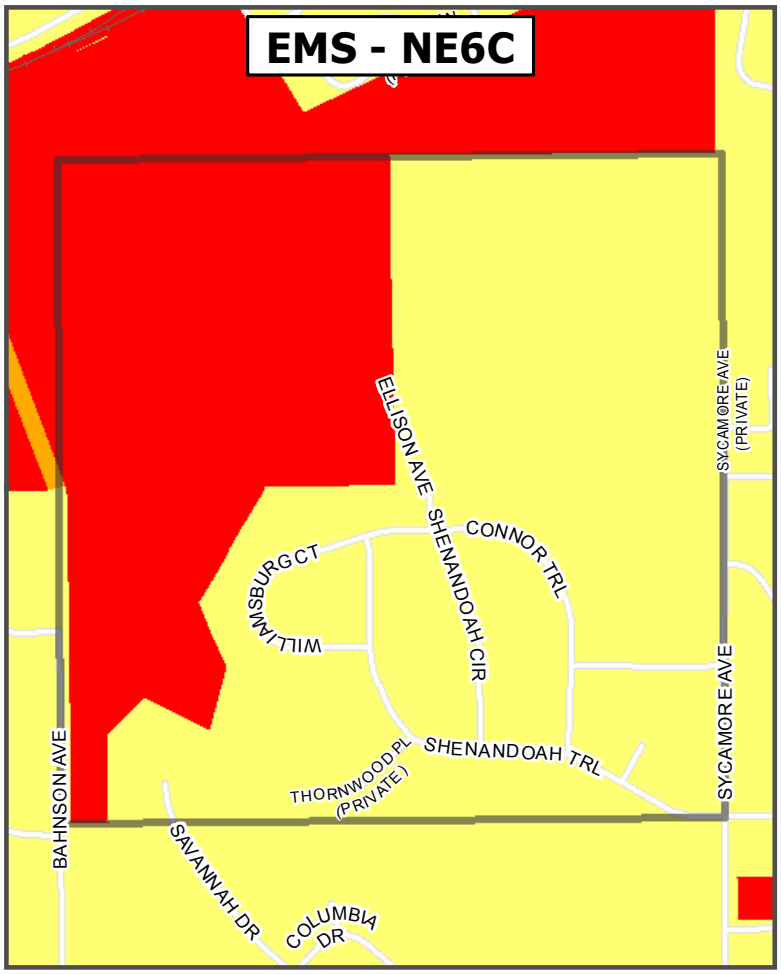
Floodplain

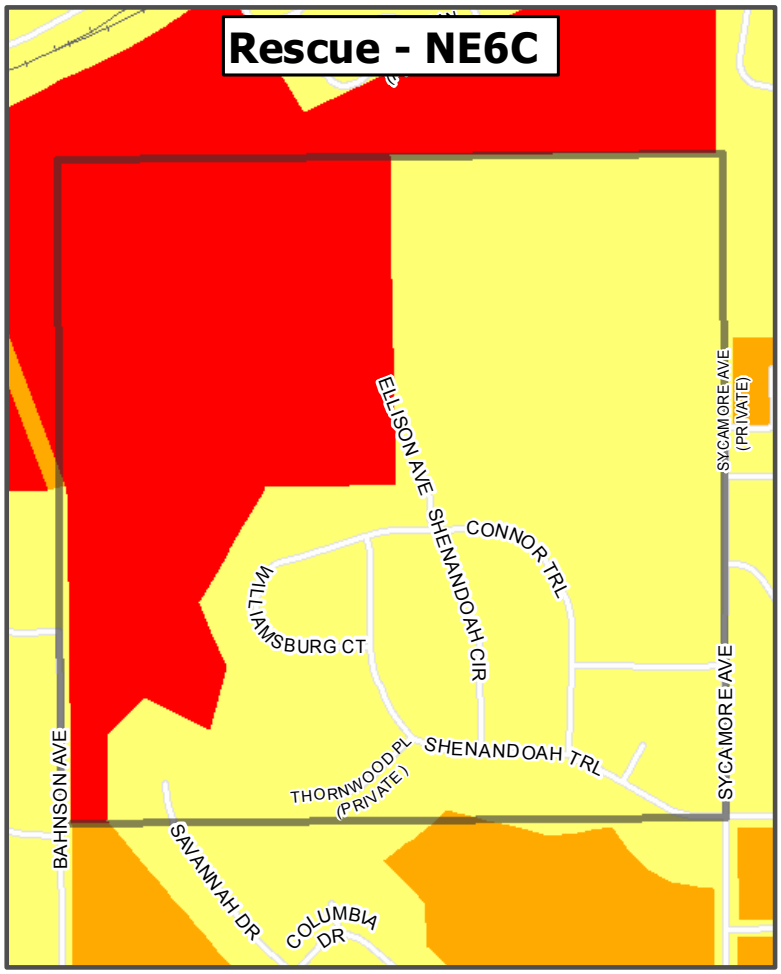
0.2 percent Annual Chance

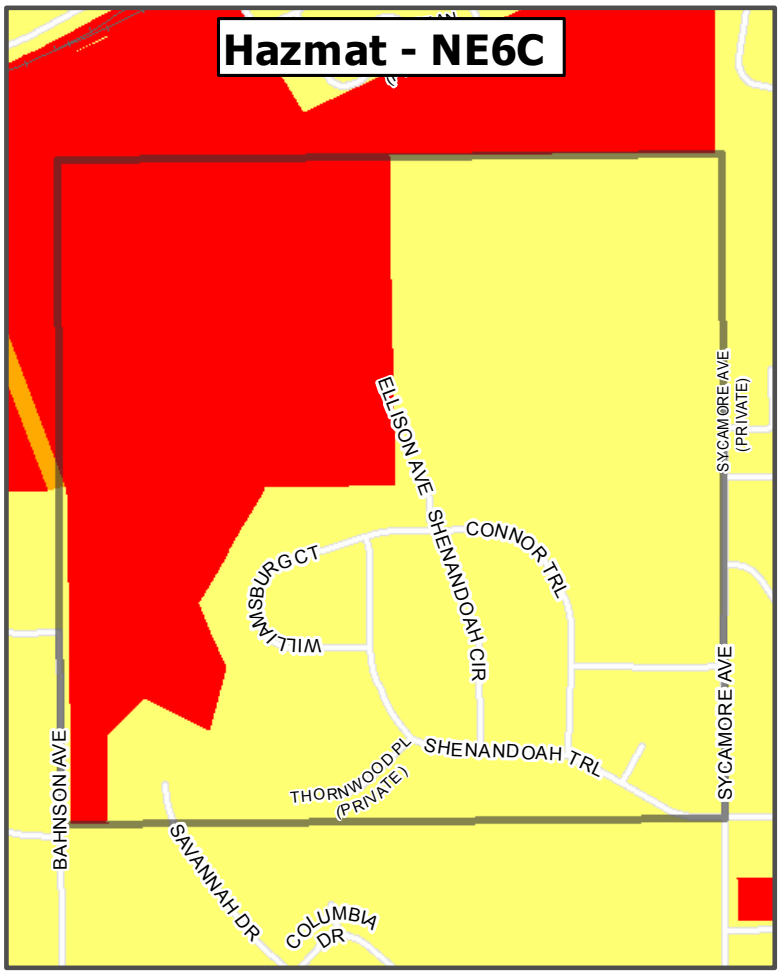
1 percent Annual Chance

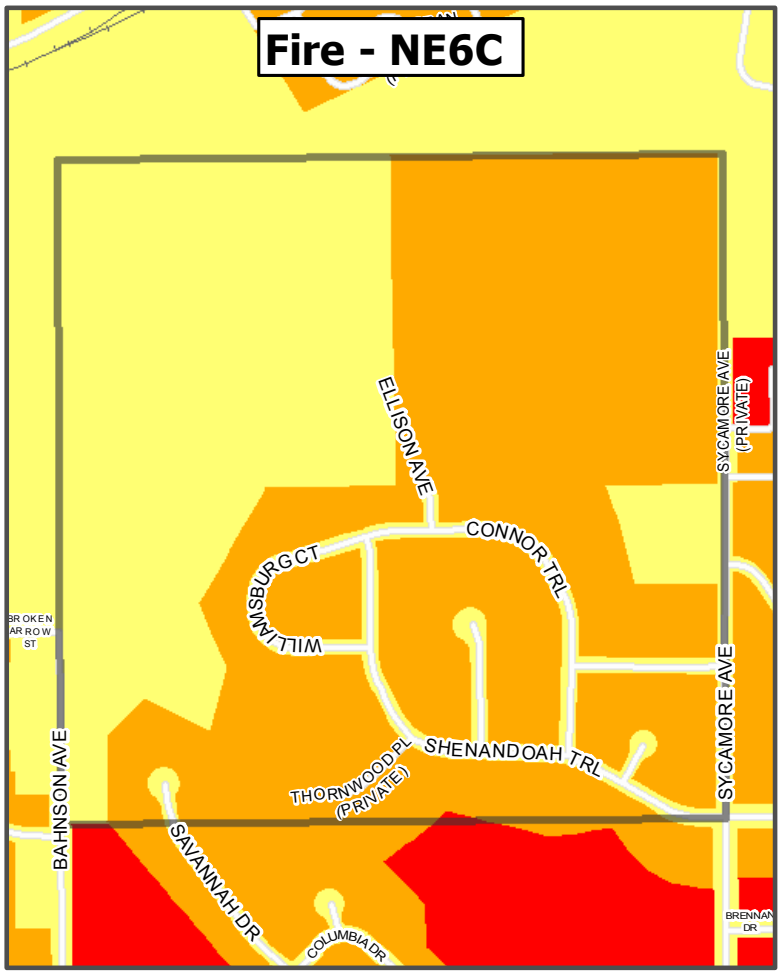












Low | Moderate | High | Special

1 inch = 764 feet

2015 Hazard/Risk Analysis by Planning Zones 6D

Frequency of Fires	
Residential	2
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	6
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 25% of this quadrant lies in the flood plain (Big Sioux)		
Pipeline intersects this quadrant		

NE6D

Fire

Rescue

HazMat

EMS

SUB Substation

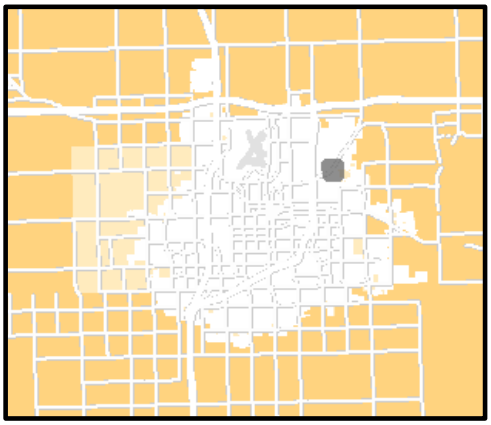
Transmission Line

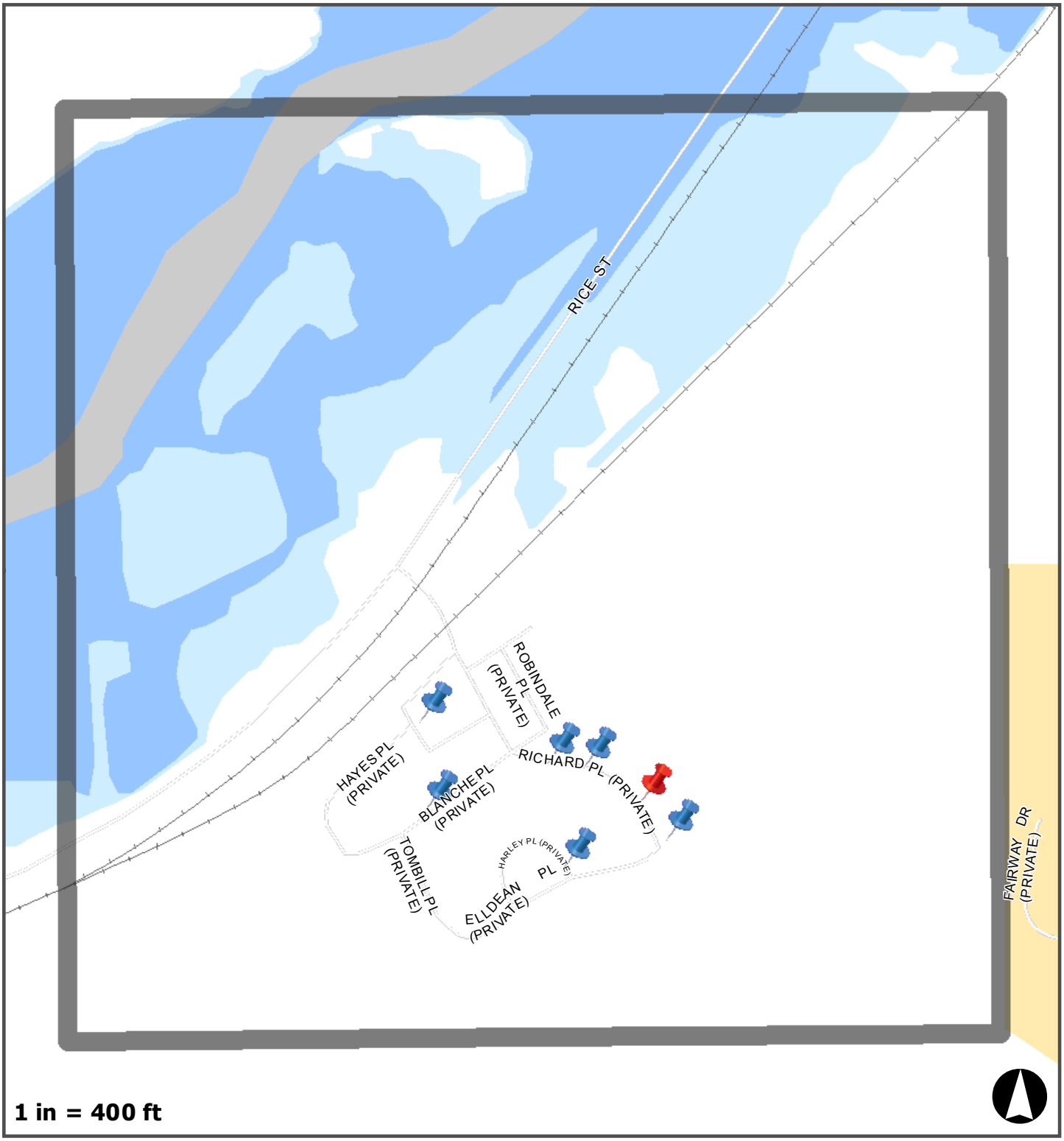
Major Gas Line

Floodplain

0.2 percent Annual Chance

1 percent Annual Chance





EMS - NE6D
Rescue - NE6D
Hazmat - NE6D
Fire - NE6D
RICE ST
HAYES PL (PRIVATE)
BLANCHE PL (PRIVATE)
RICHARD PL (PRIVATE)
ELLDEAN PL (PRIVATE)
FAIRWAY DR (PRIVATE)
Low
Moderate
High
Special
1 inch = 764 feet

2015 Hazard/Risk Analysis by Planning Zones 6E

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Interstate highway intersects this quadrant		
COVINGTON HEIGHTS	Type 2	Nursing Home
COVINGTON HEIGHTS VILLAGE	Type 2	Nursing Home

NE6E

Fire

Rescue

HazMat

EMS

SUB Substation

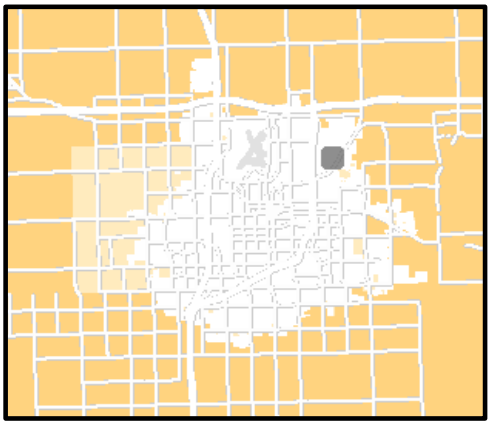
Transmission Line

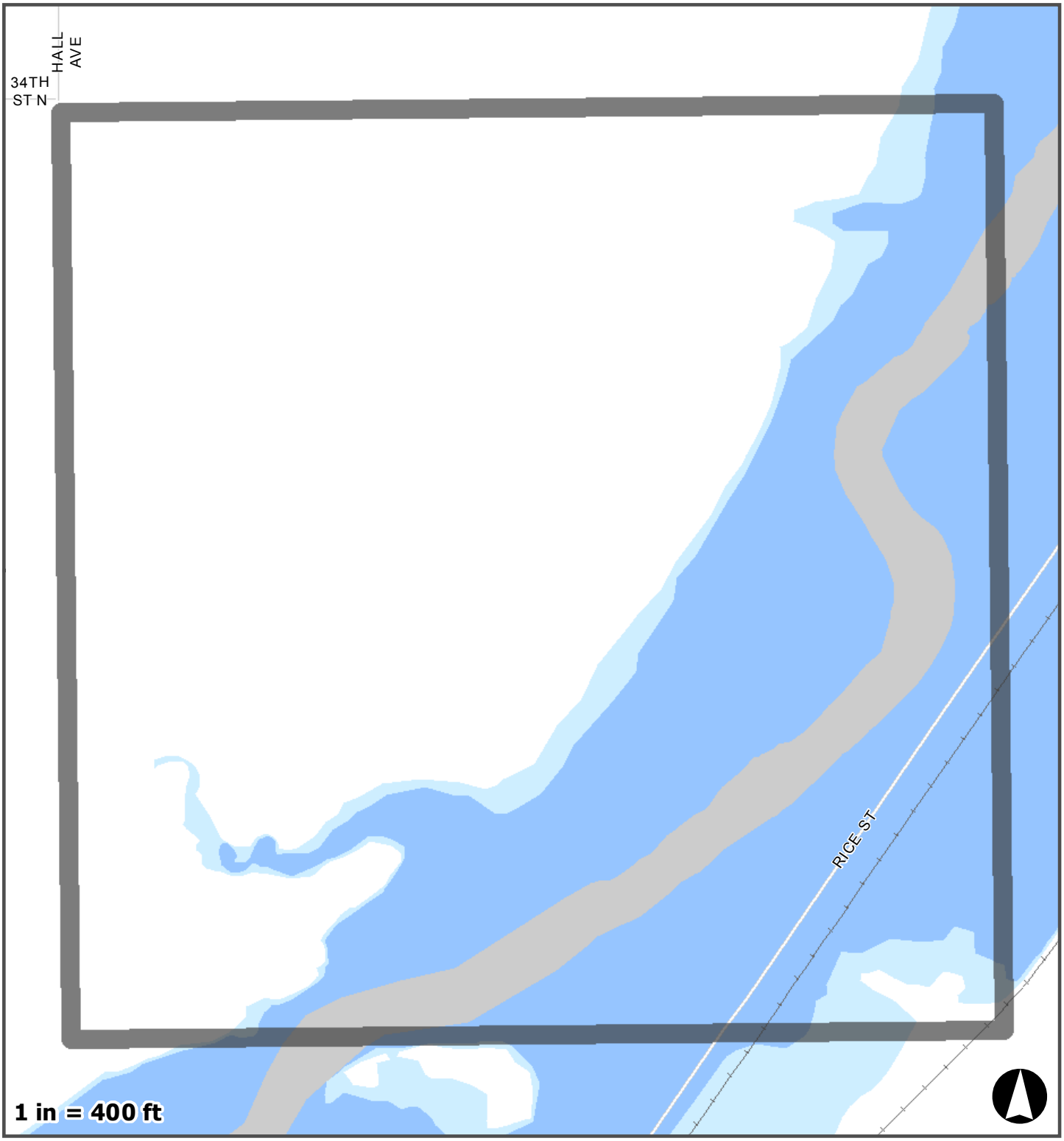
Major Gas Line

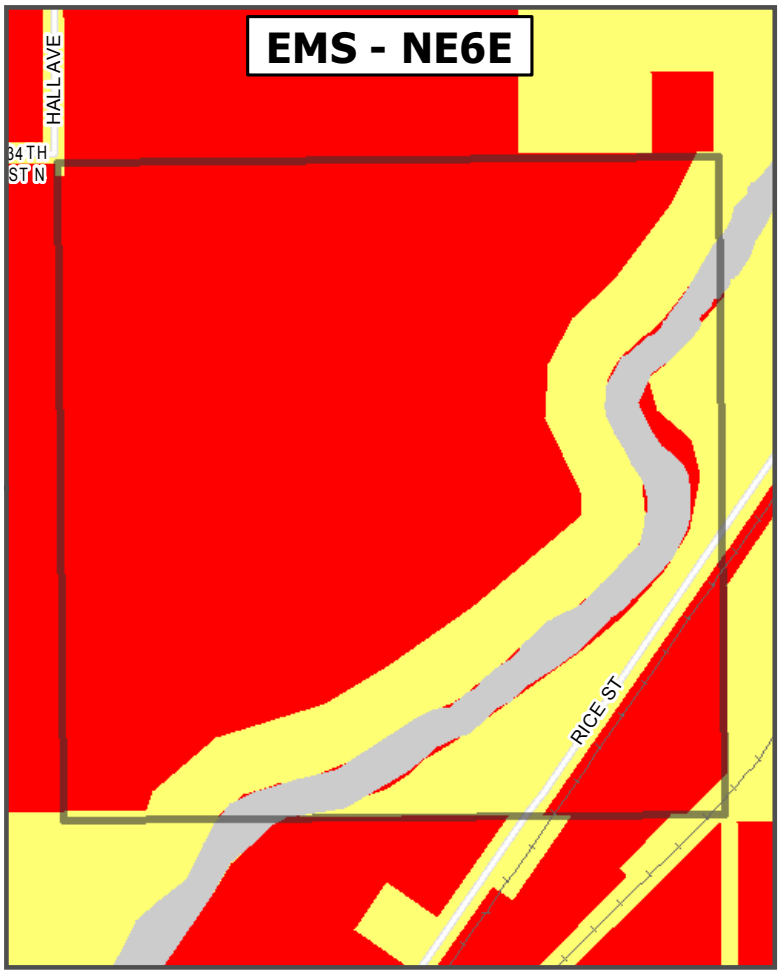
Floodplain

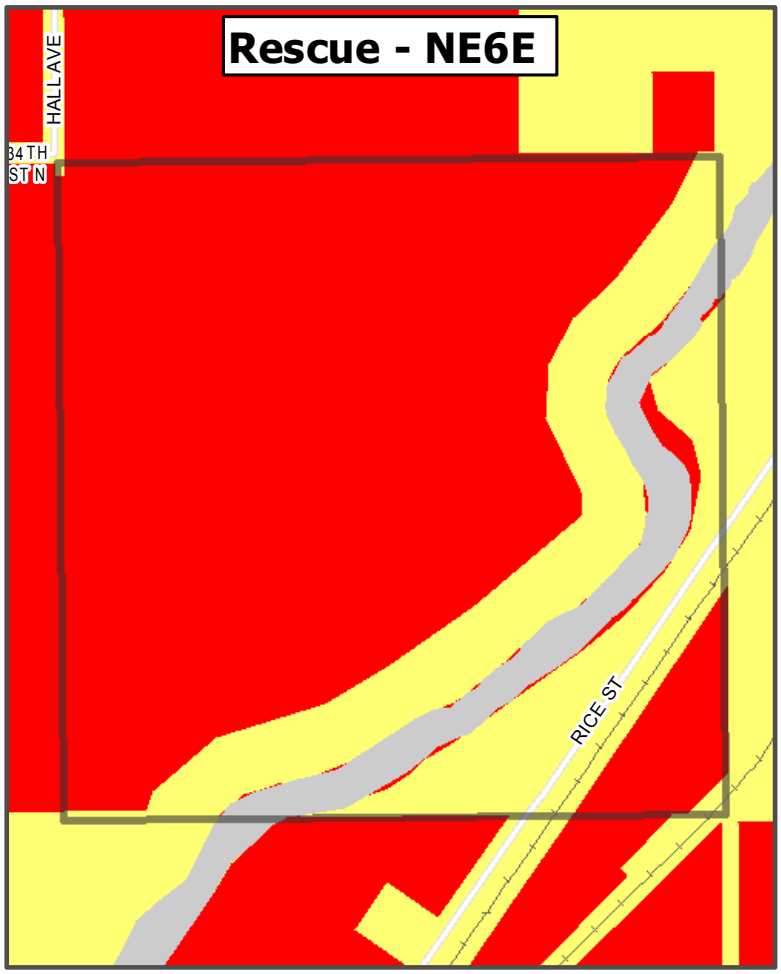
0.2 percent Annual Chance

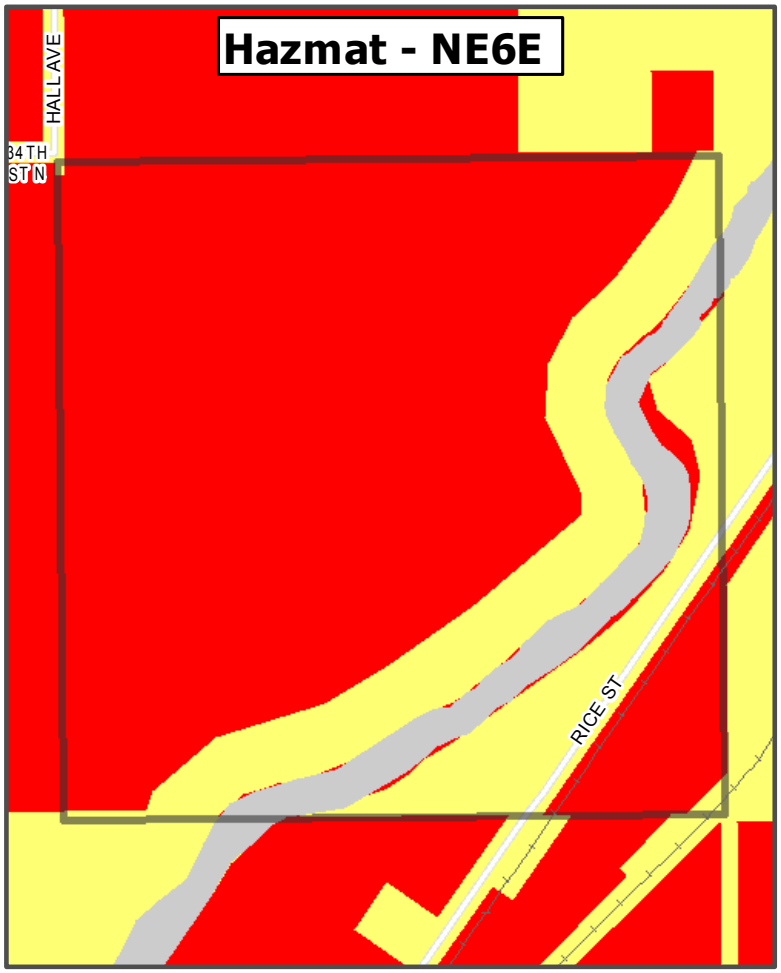
1 percent Annual Chance

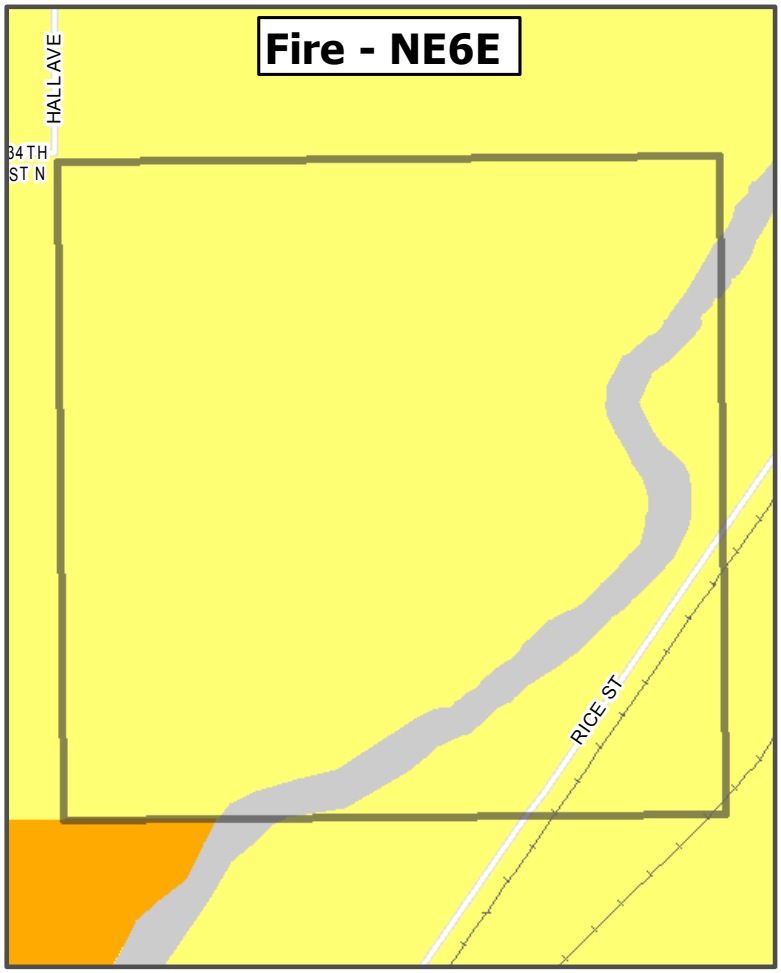












Low | Moderate | High | Special

1 inch = 766 feet

2015 Hazard/Risk Analysis by Planning Zones 6F

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Interstate highway intersects this quadrant		

NE6F

Fire

Rescue

HazMat

EMS

SUB Substation

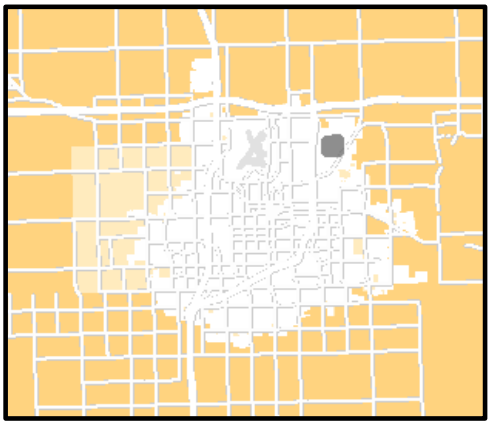
Transmission Line

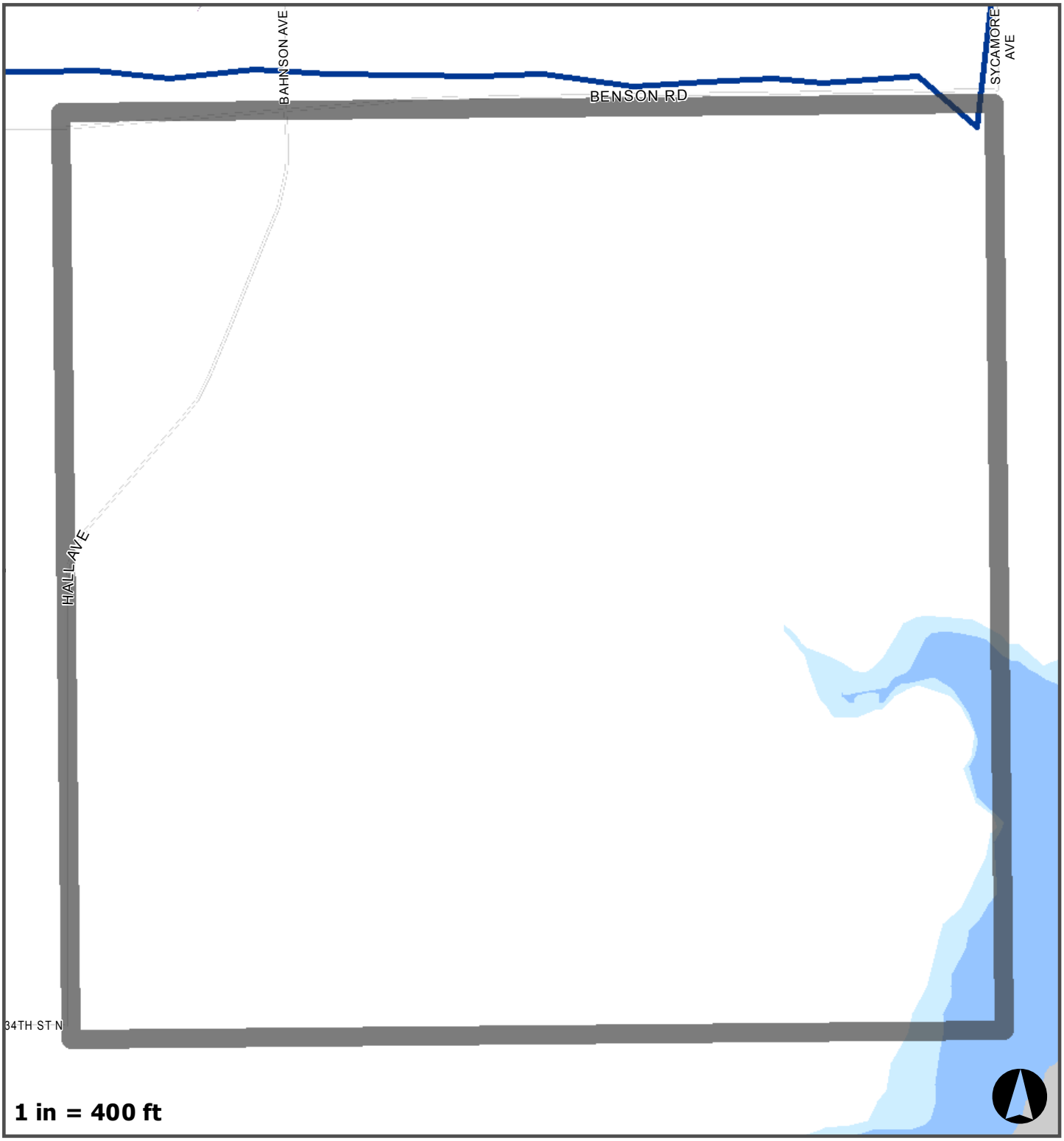
Major Gas Line

Floodplain

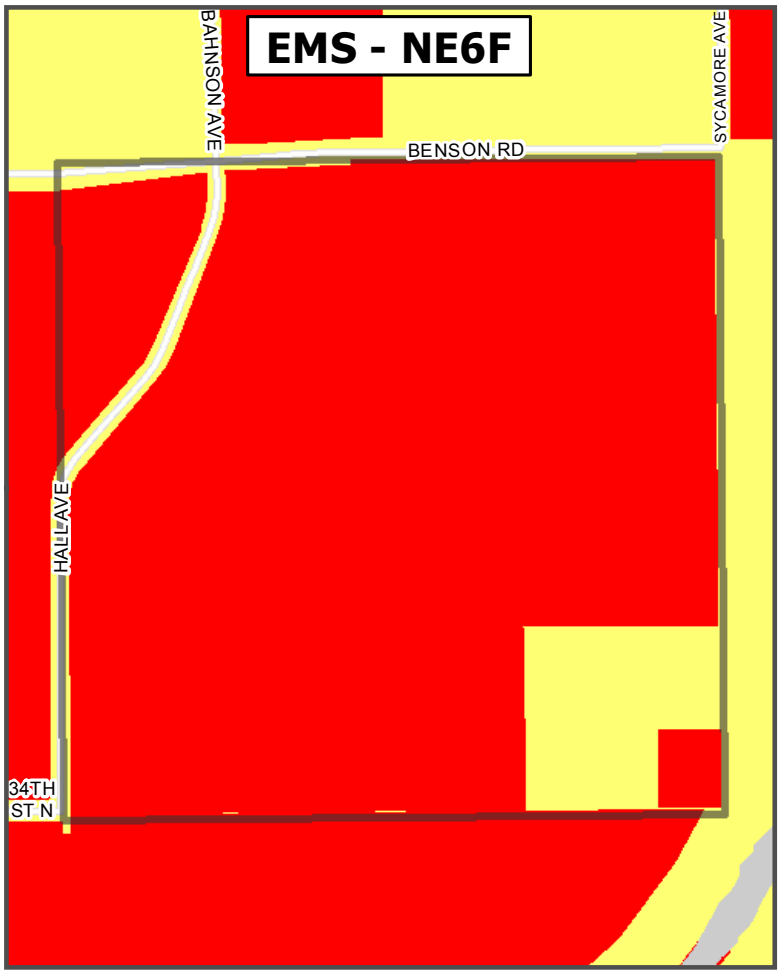
0.2 percent Annual Chance

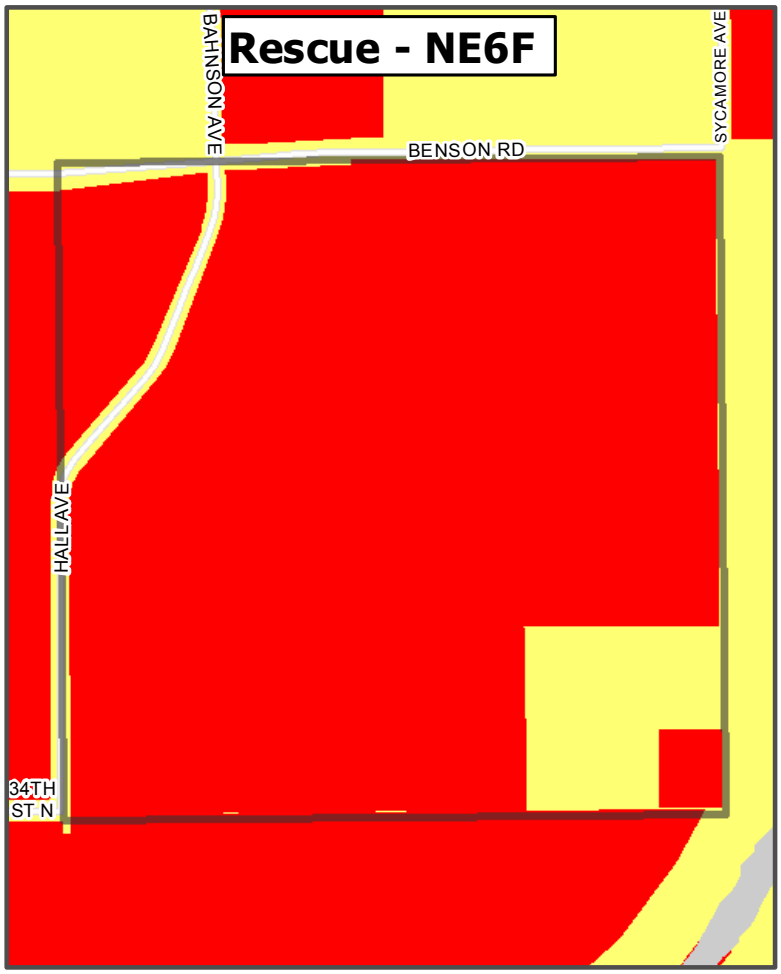
1 percent Annual Chance

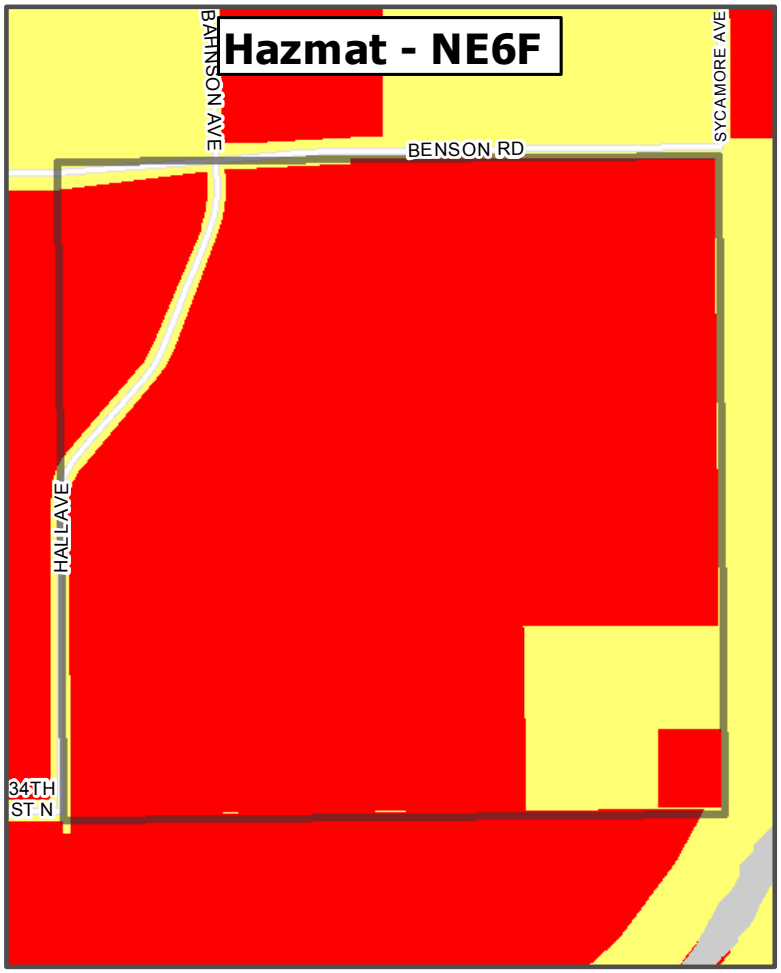


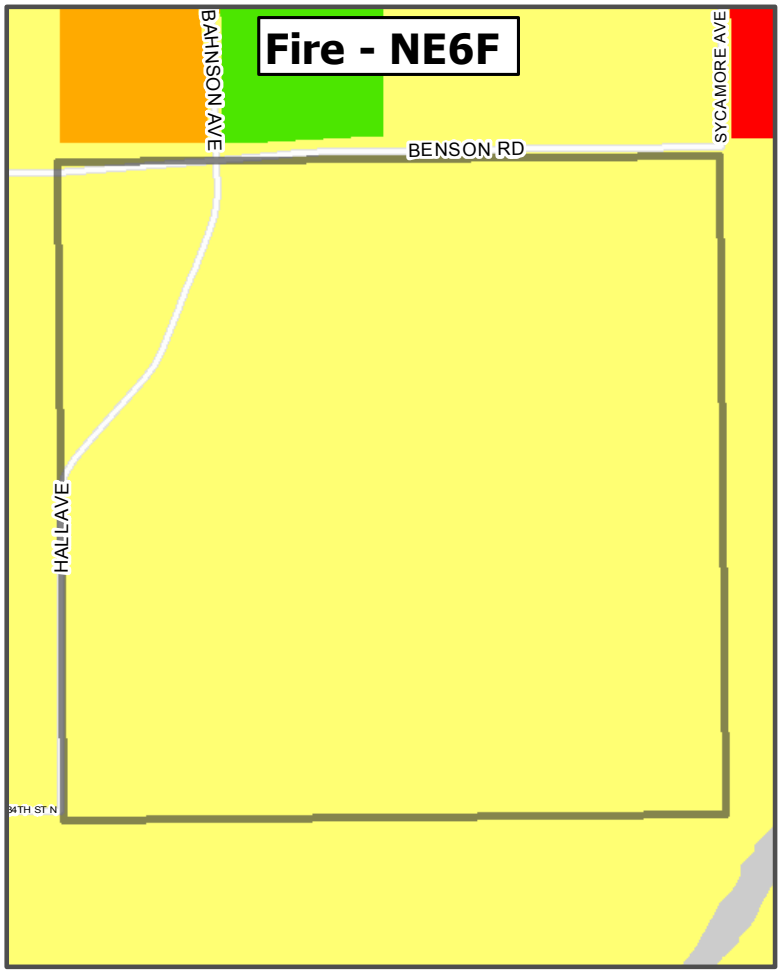


1 in = 400 ft









Low | Moderate | High | Special

1 inch = 766 feet

2015 Hazard/Risk Analysis by Planning Zones 6G

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	3
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
GLOBE UNIVERSITY	Type 1	College

NE6G

Fire

Rescue

HazMat

EMS

SUB Substation

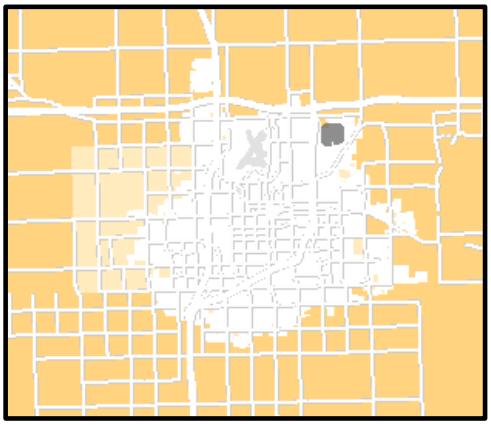
Transmission Line

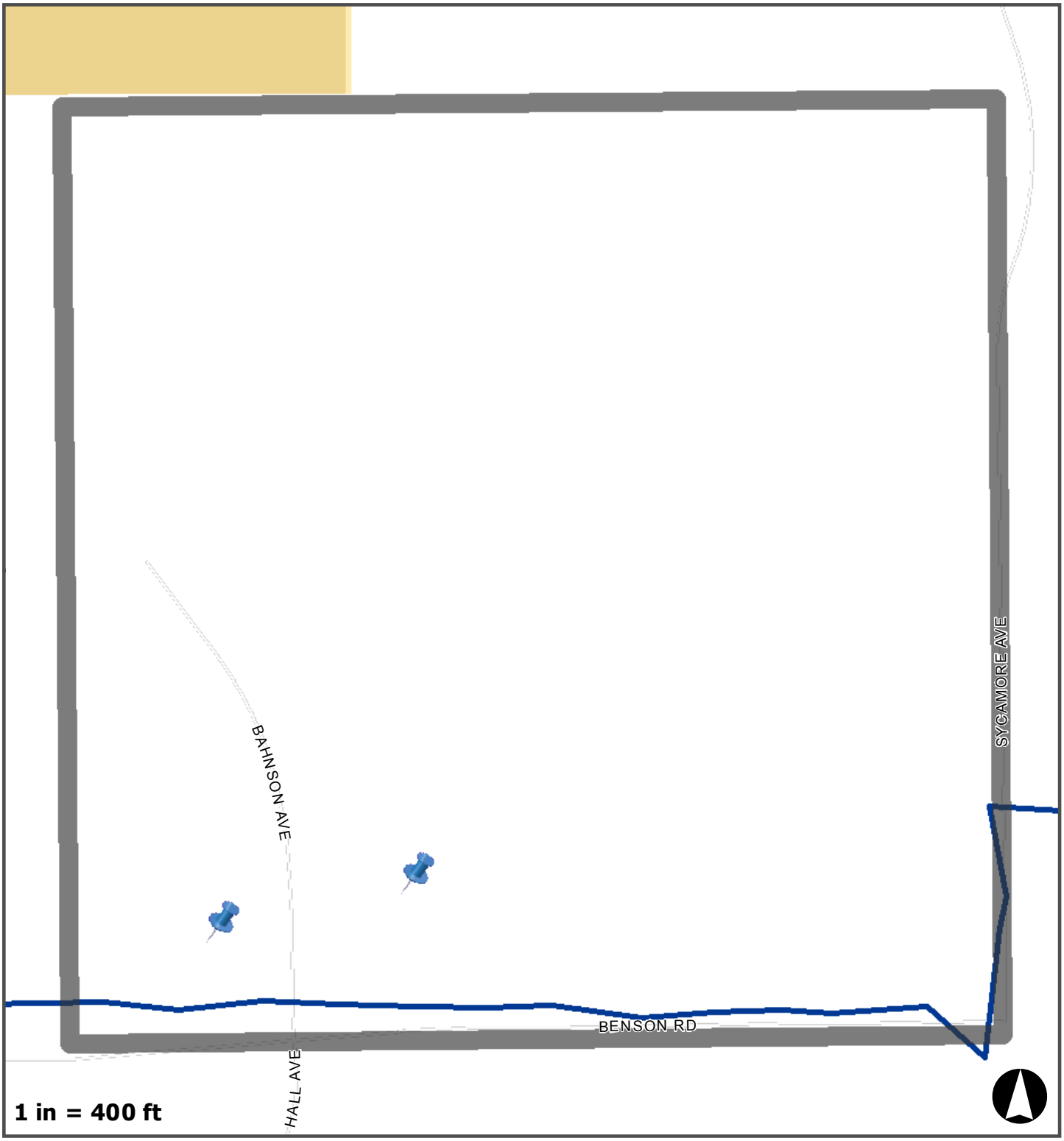
Major Gas Line

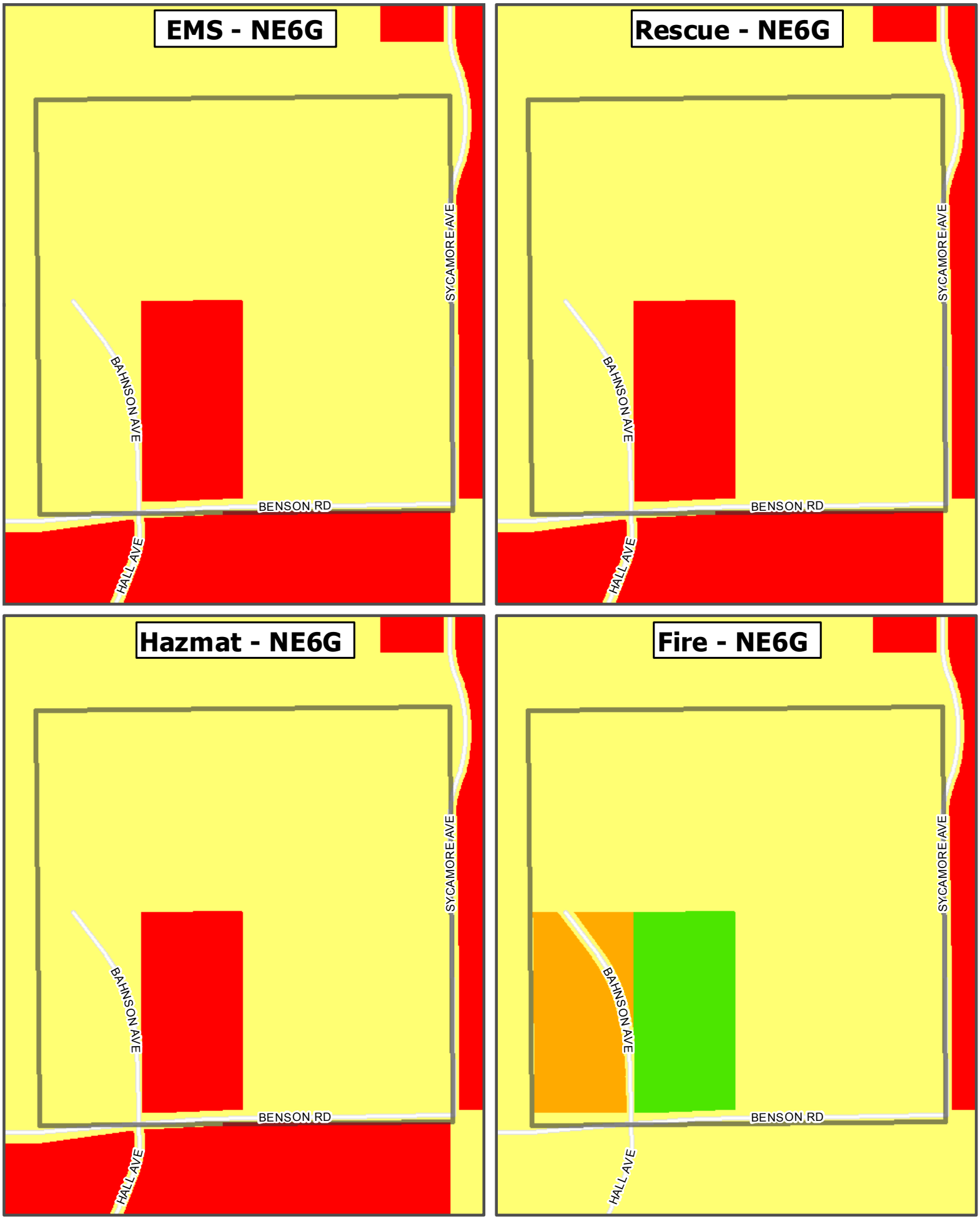
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance







Low | Moderate | High | Special

1 inch = 767 feet

2015 Hazard/Risk Analysis by Planning Zones 6H

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	1
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Interstate highway intersects this quadrant		
HEART HOSPITAL OF SD	Type 2	Hospital
NORTH CENTRAL HEART	Type 2	Hospital
PRAIRIE HEART GUEST HOUSE	Type 2	Hotels/Motels
AVERA MCK BEHAVIOR HEALTH HOSPITAL	Type 2	Hospital

NE6H

Fire

Rescue

HazMat

EMS

SUB Substation

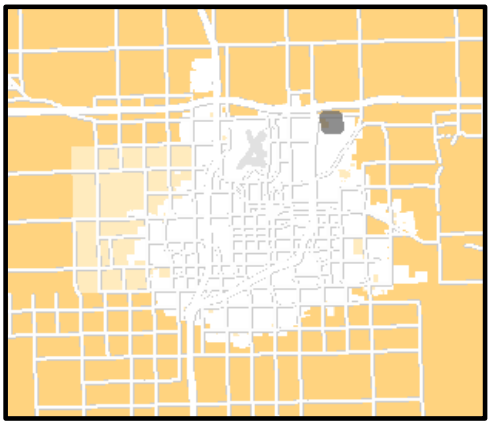
Transmission Line

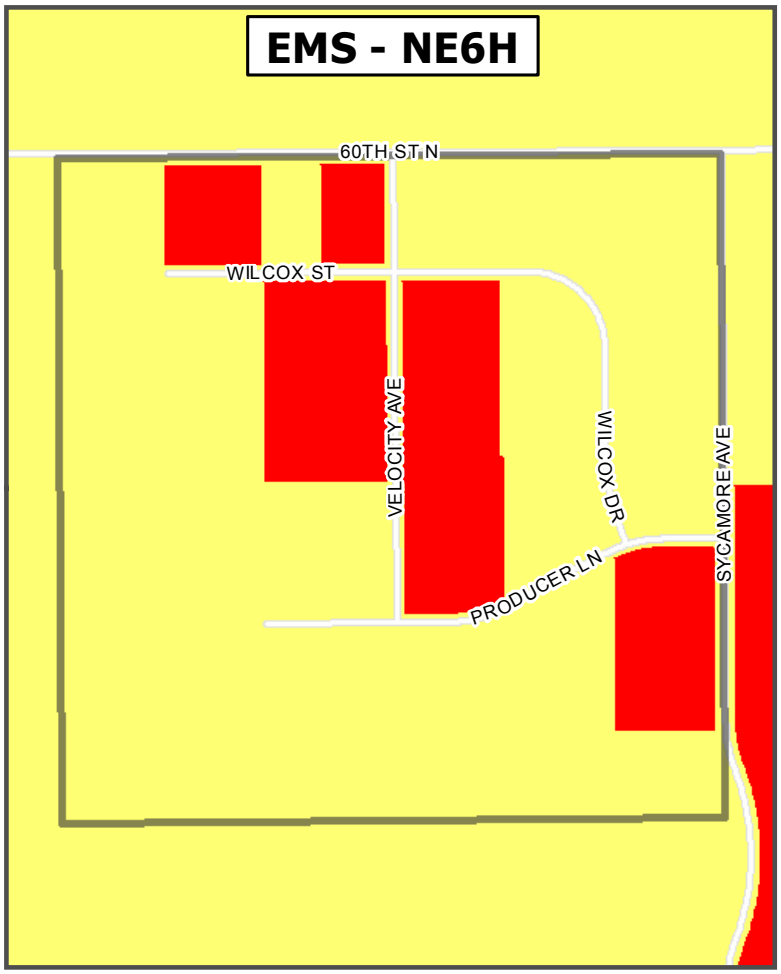
Major Gas Line

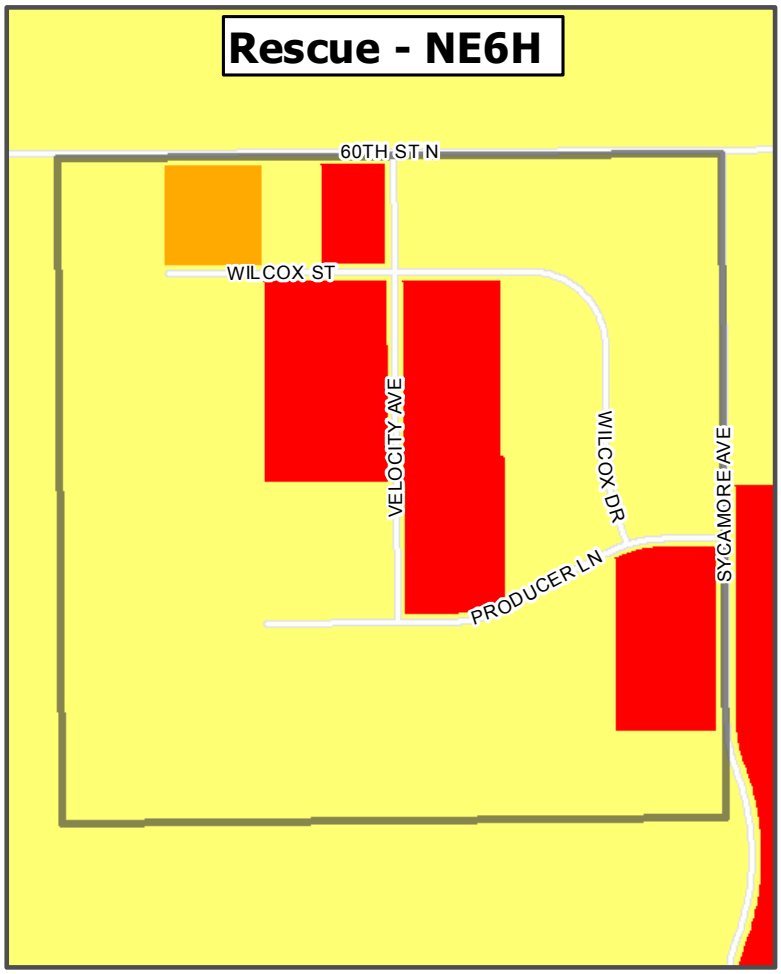
Floodplain

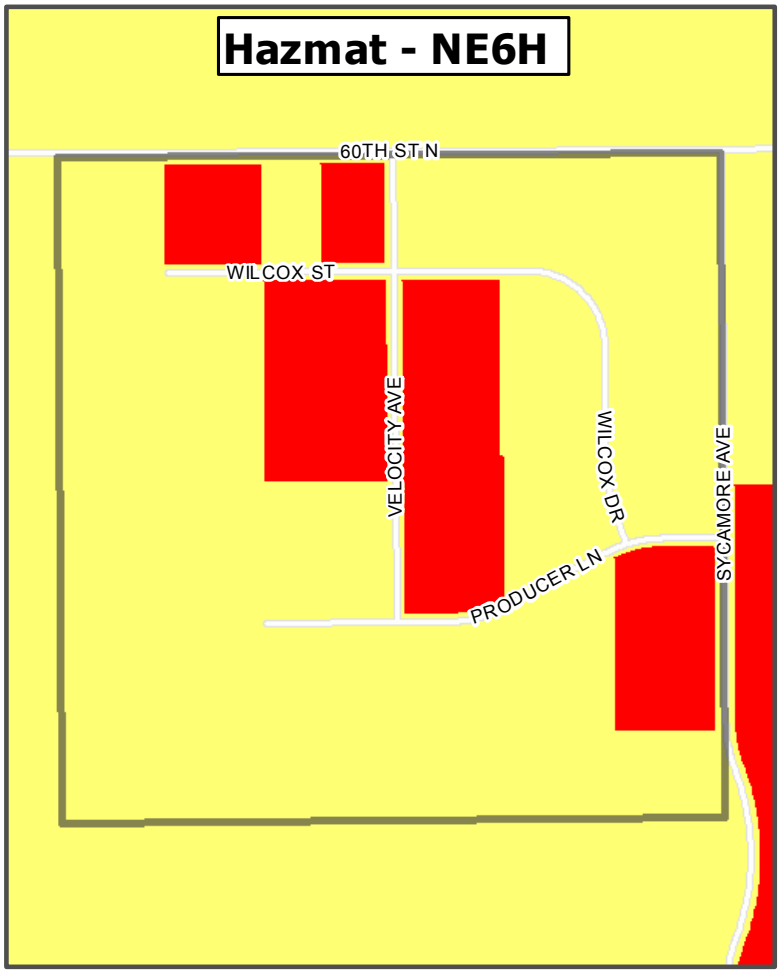
0.2 percent Annual Chance

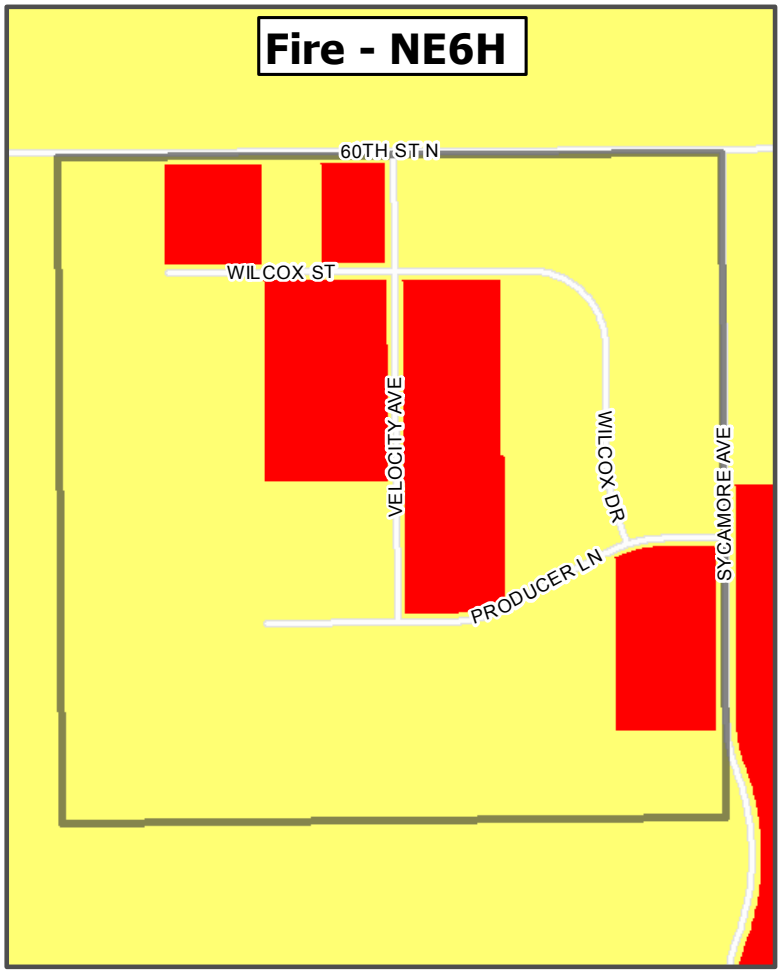
1 percent Annual Chance











Low | Moderate | High | Special

1 inch = 766 feet

2015 Hazard/Risk Analysis by Planning Zones 6I

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Pipeline intersects this quadrant		

NE6I

Fire

Rescue

HazMat

EMS

SUB Substation

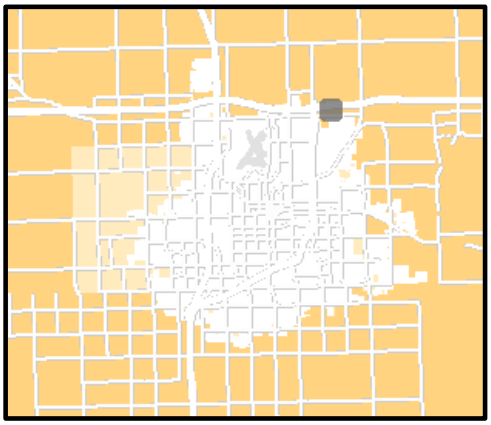
Transmission Line

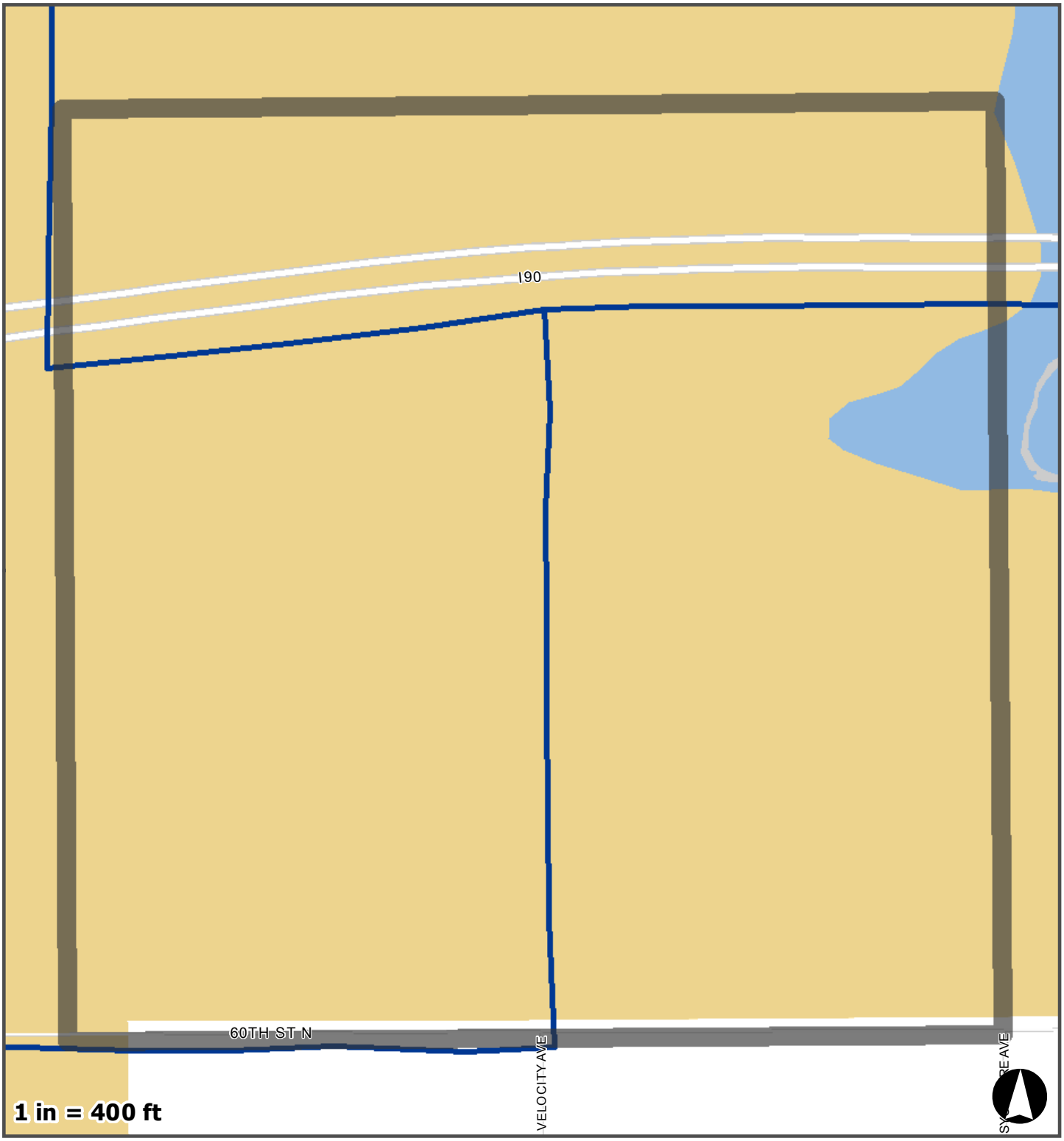
Major Gas Line

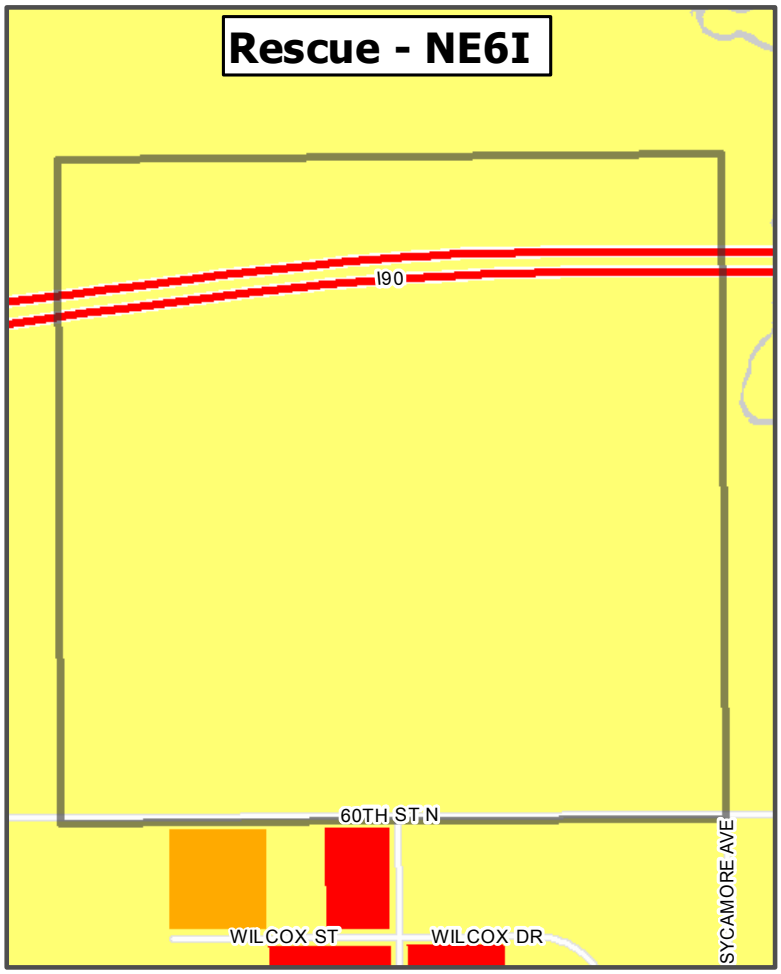
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance







Low | Moderate | High | Special

1 inch = 764 feet

2015 Hazard/Risk Analysis by Planning Zones 7A

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	2
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	77
EMS Calls-High	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 20% of this quadrant lies in the flood plain (Skunk Creek)		
Pipe line intersects this quadrant		

NE7A

Fire

Rescue

HazMat

EMS

SUB Substation

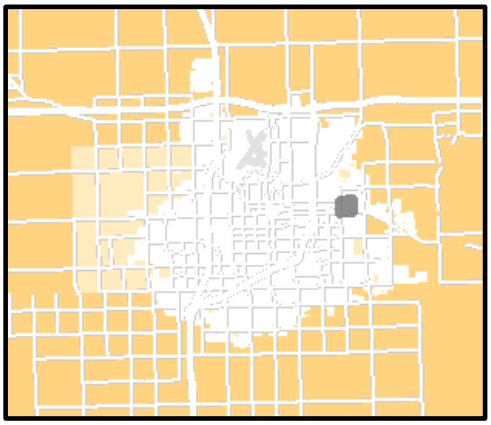
Transmission Line

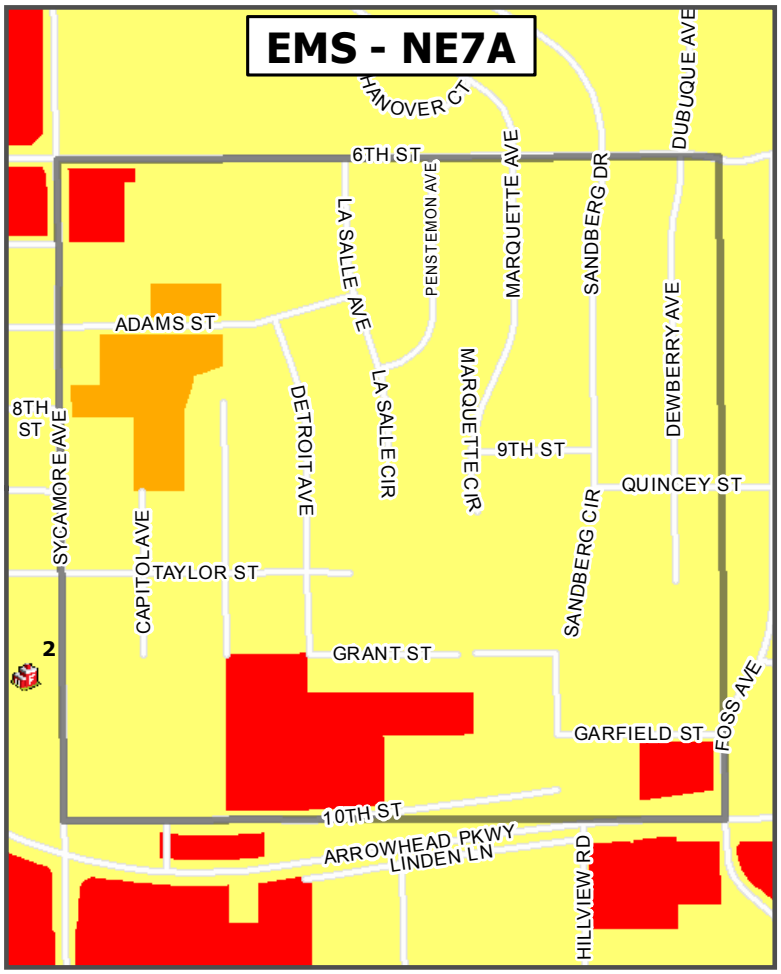
Major Gas Line

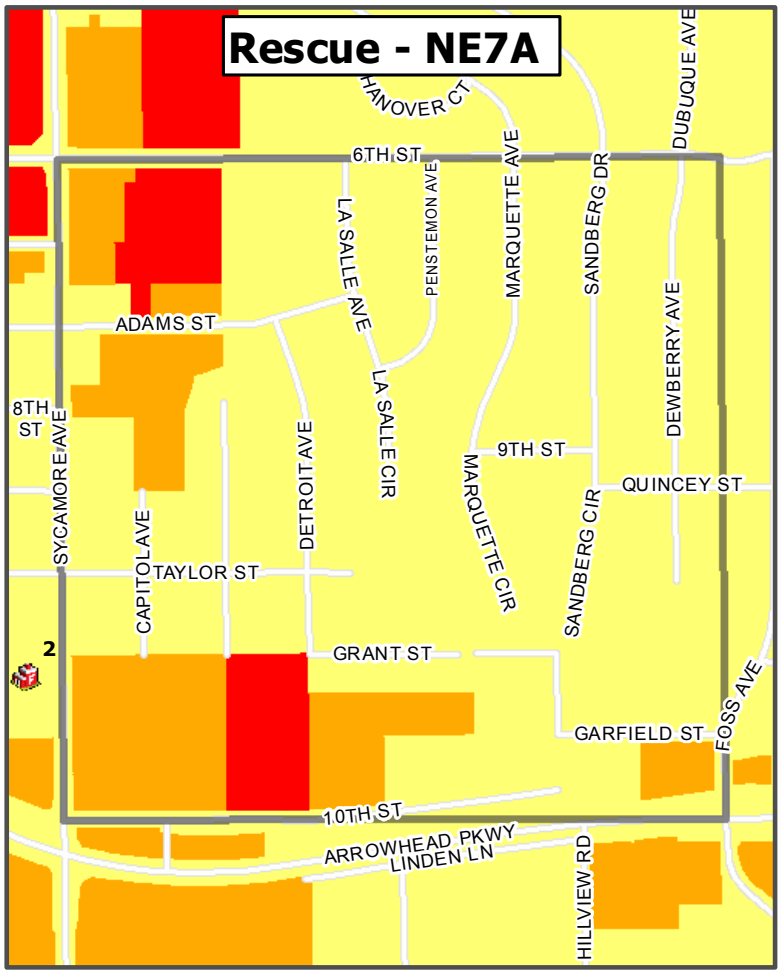
Floodplain

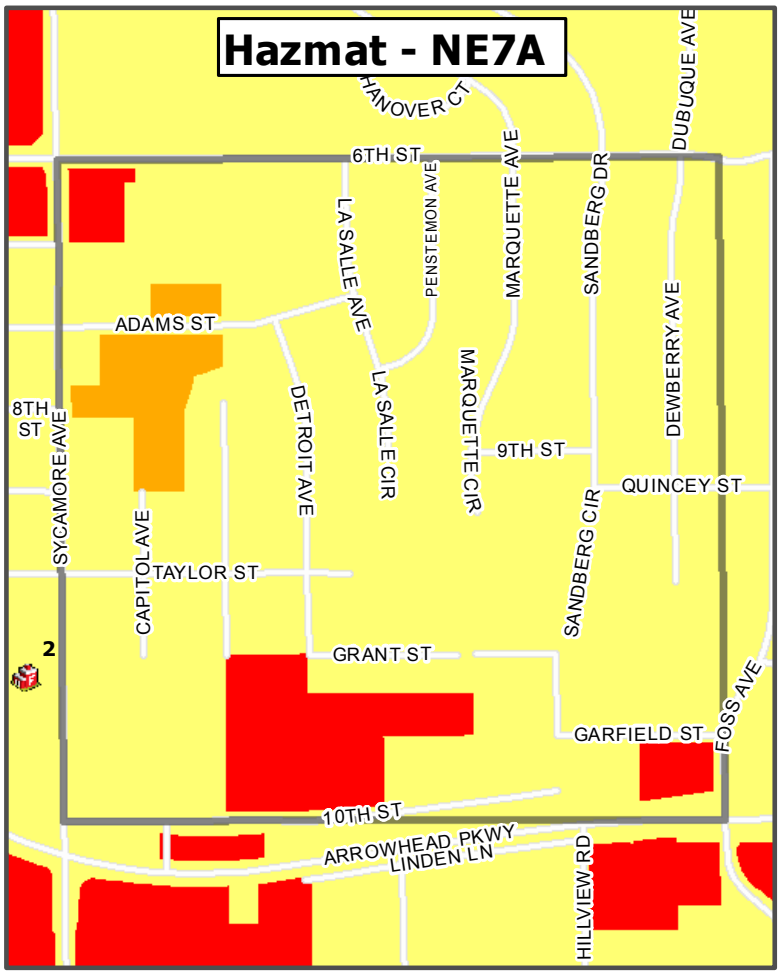
0.2 percent Annual Chance

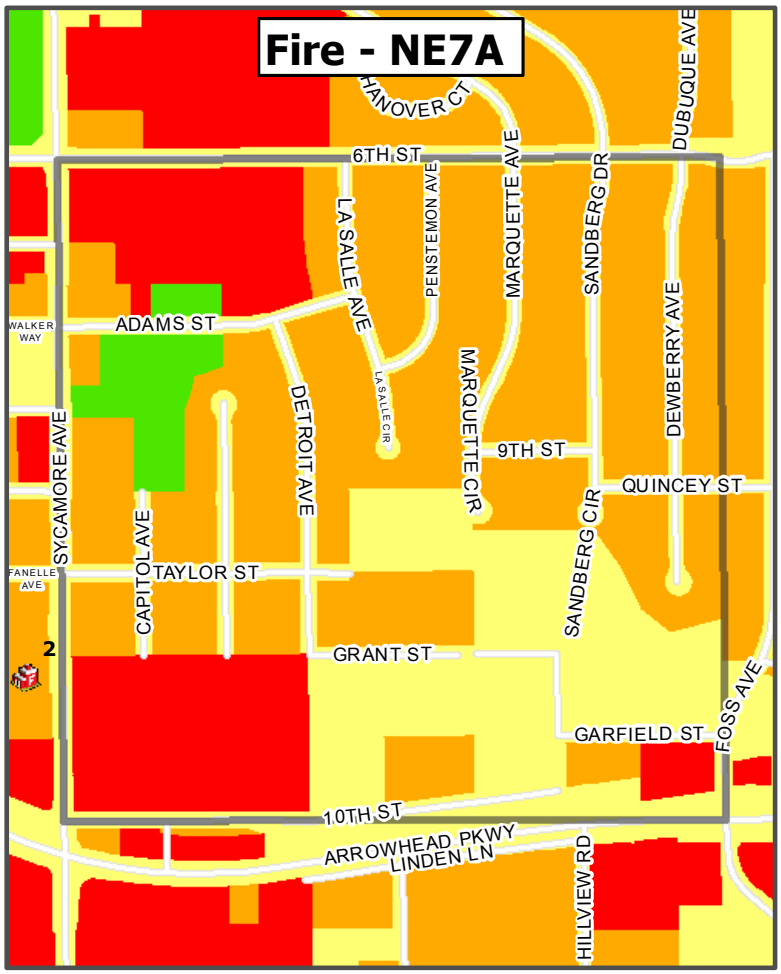
1 percent Annual Chance











Low | Moderate | High | Special

1 inch = 771 feet

2015 Hazard/Risk Analysis by Planning Zones 7B

Frequency of Fires	
Residential	1
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	42
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 40% of this quadrant lies in the flood plain (Skunk Creek)		

NE7B

Fire

Rescue

HazMat

EMS

SUB Substation

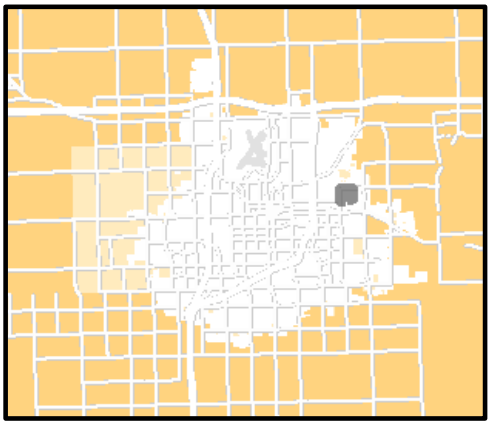
Transmission Line

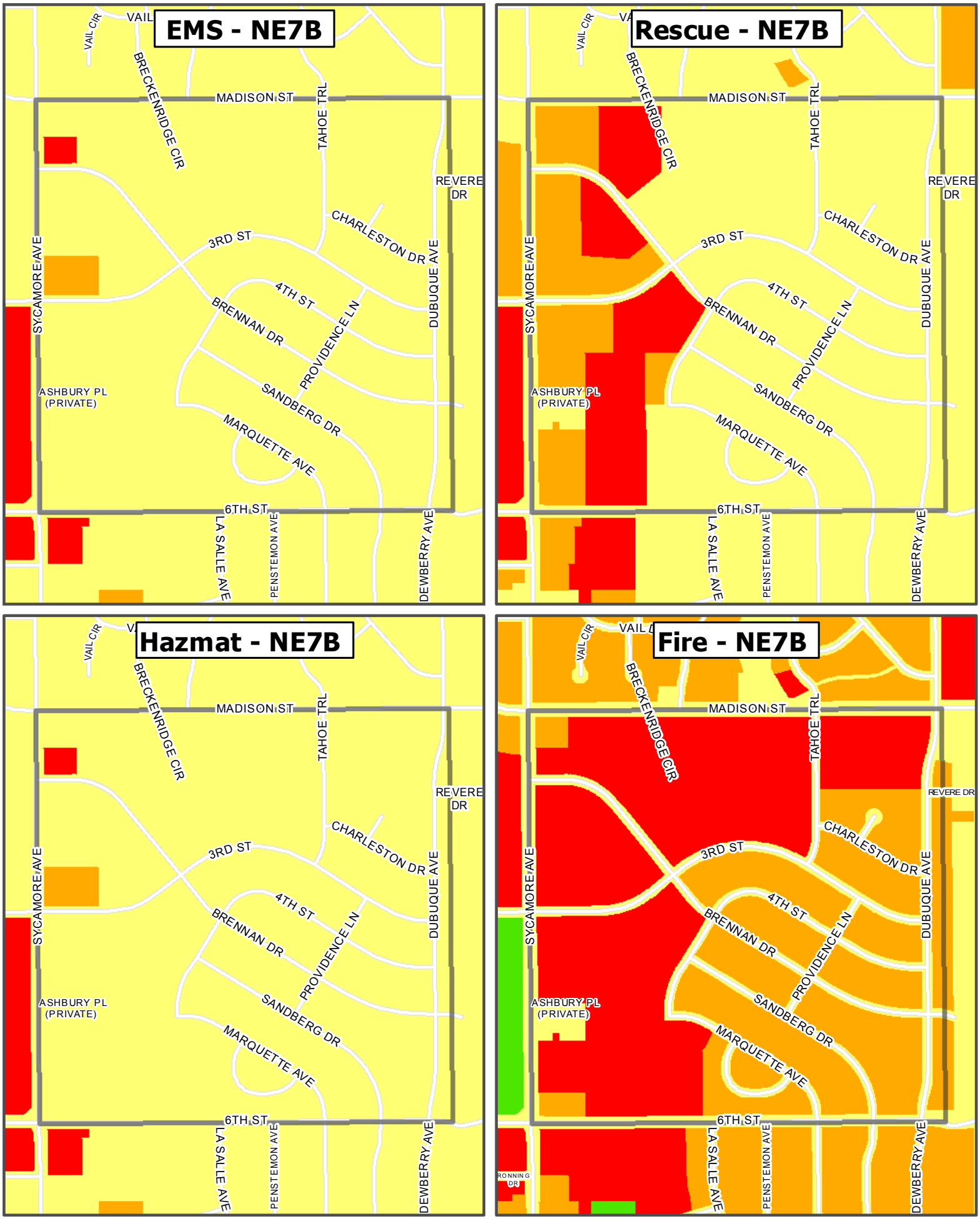
Major Gas Line

Floodplain

0.2 percent Annual Chance

1 percent Annual Chance





Low | Moderate | High | Special

1 inch = 771 feet

2015 Hazard/Risk Analysis by Planning Zones 7C

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	9
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	2
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
BETHEL LUTHERAN SCHOOL	Type 1	School

NE7C

Fire

Rescue

HazMat

EMS

SUB Substation

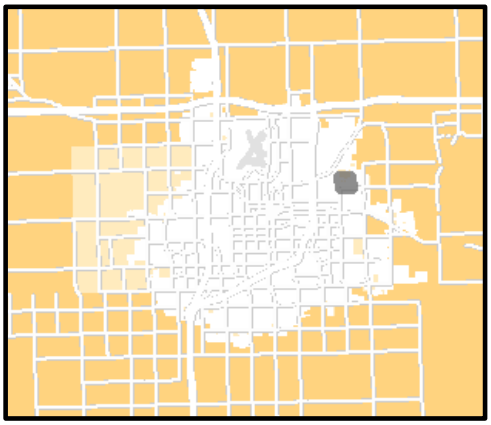
Transmission Line

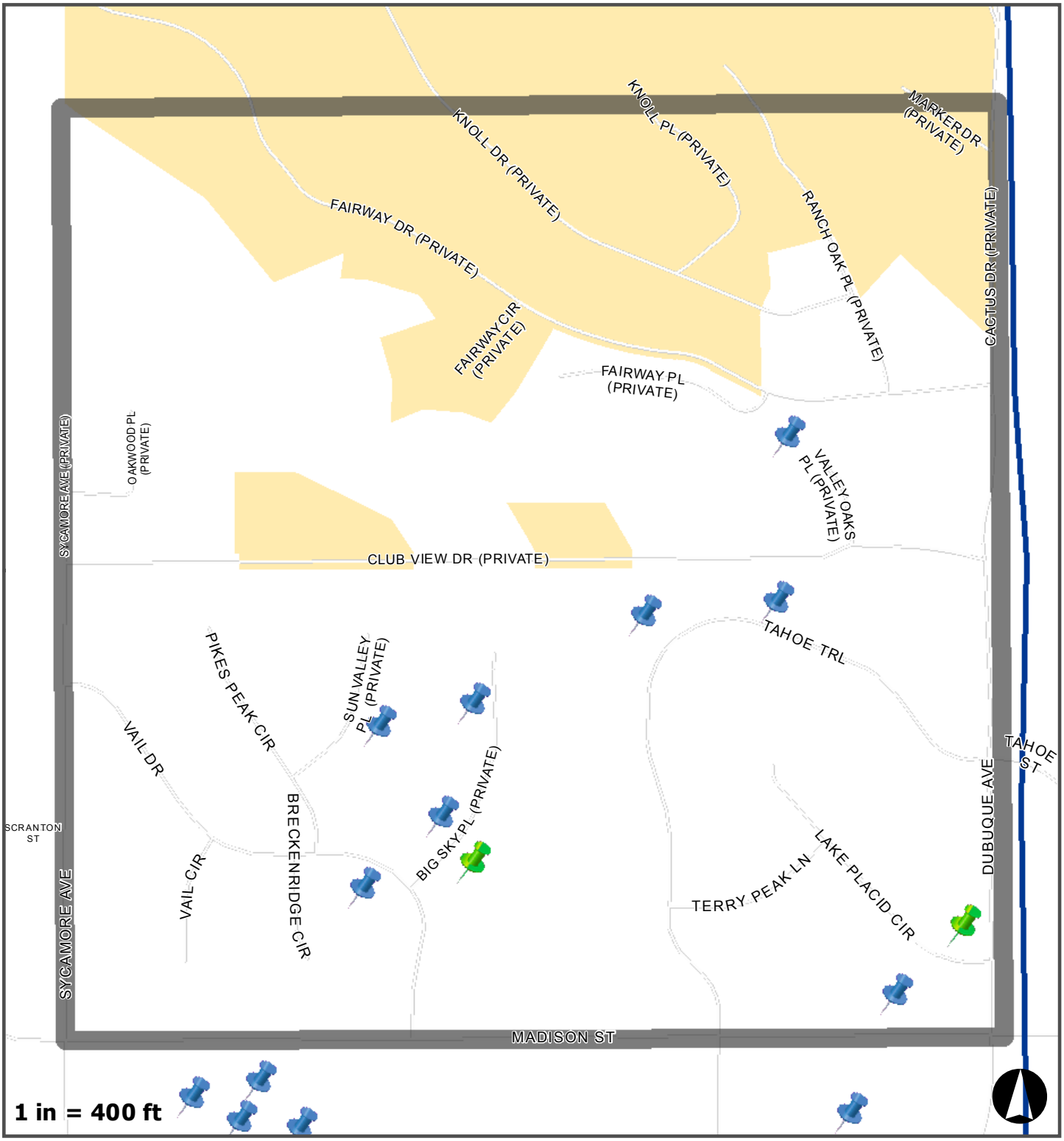
Major Gas Line

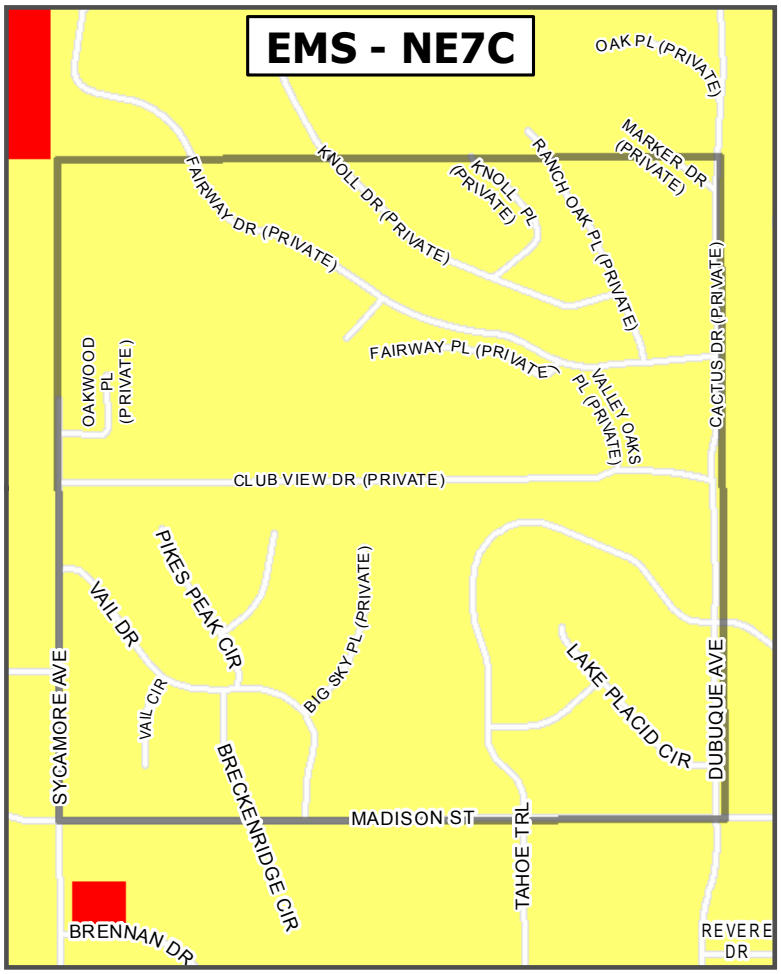
Floodplain

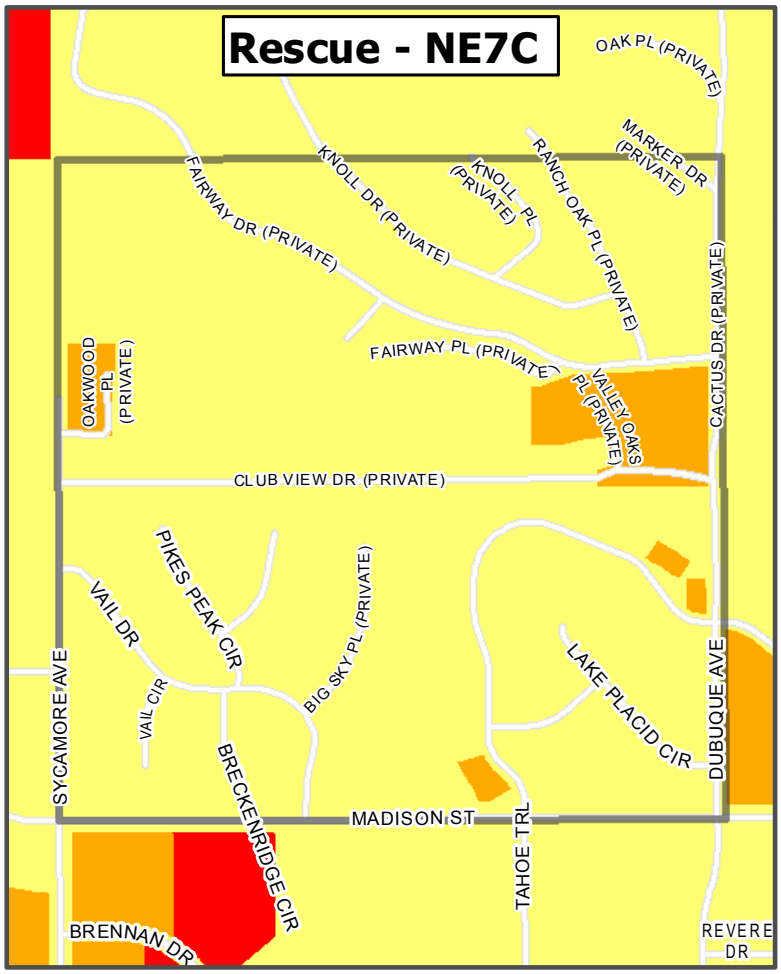
0.2 percent Annual Chance

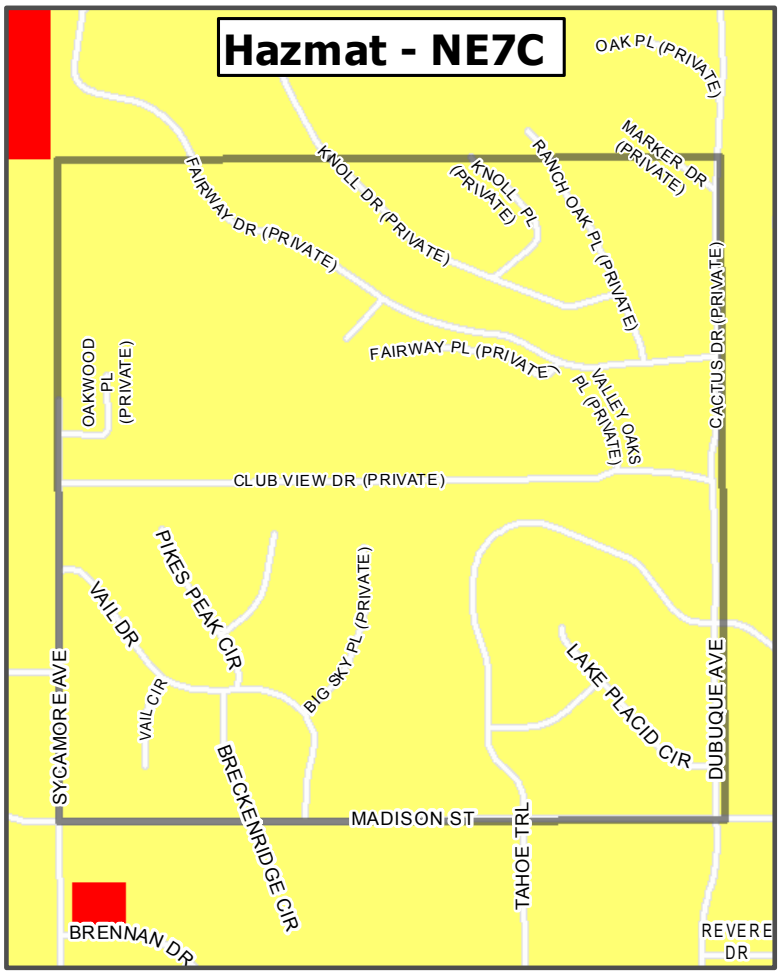
1 percent Annual Chance

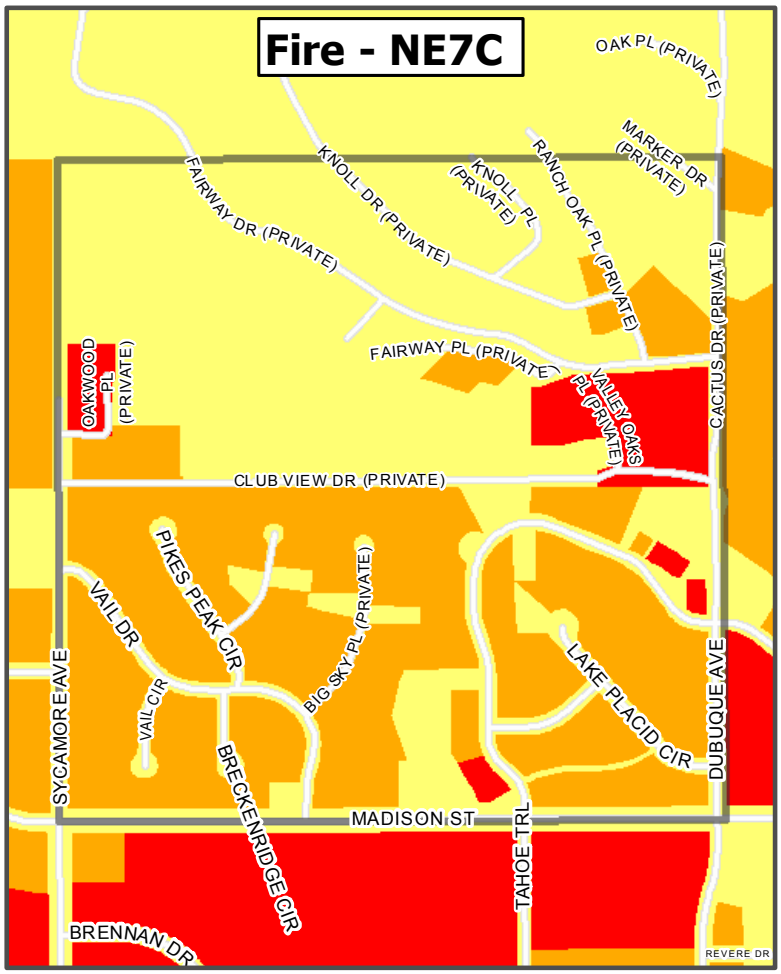












Low | Moderate | High | Special

1 inch = 766 feet

2015 Hazard/Risk Analysis by Planning Zones 7D

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy

NE7D

Fire

Rescue

HazMat

EMS

SUB Substation

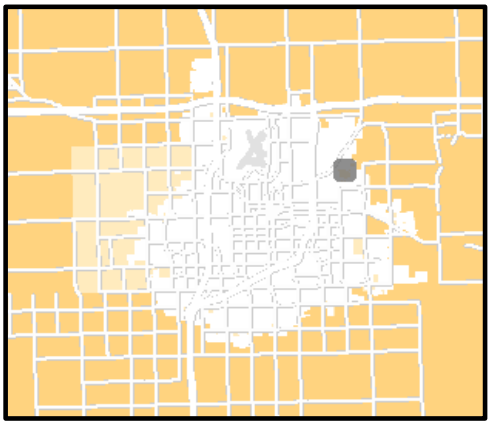
Transmission Line

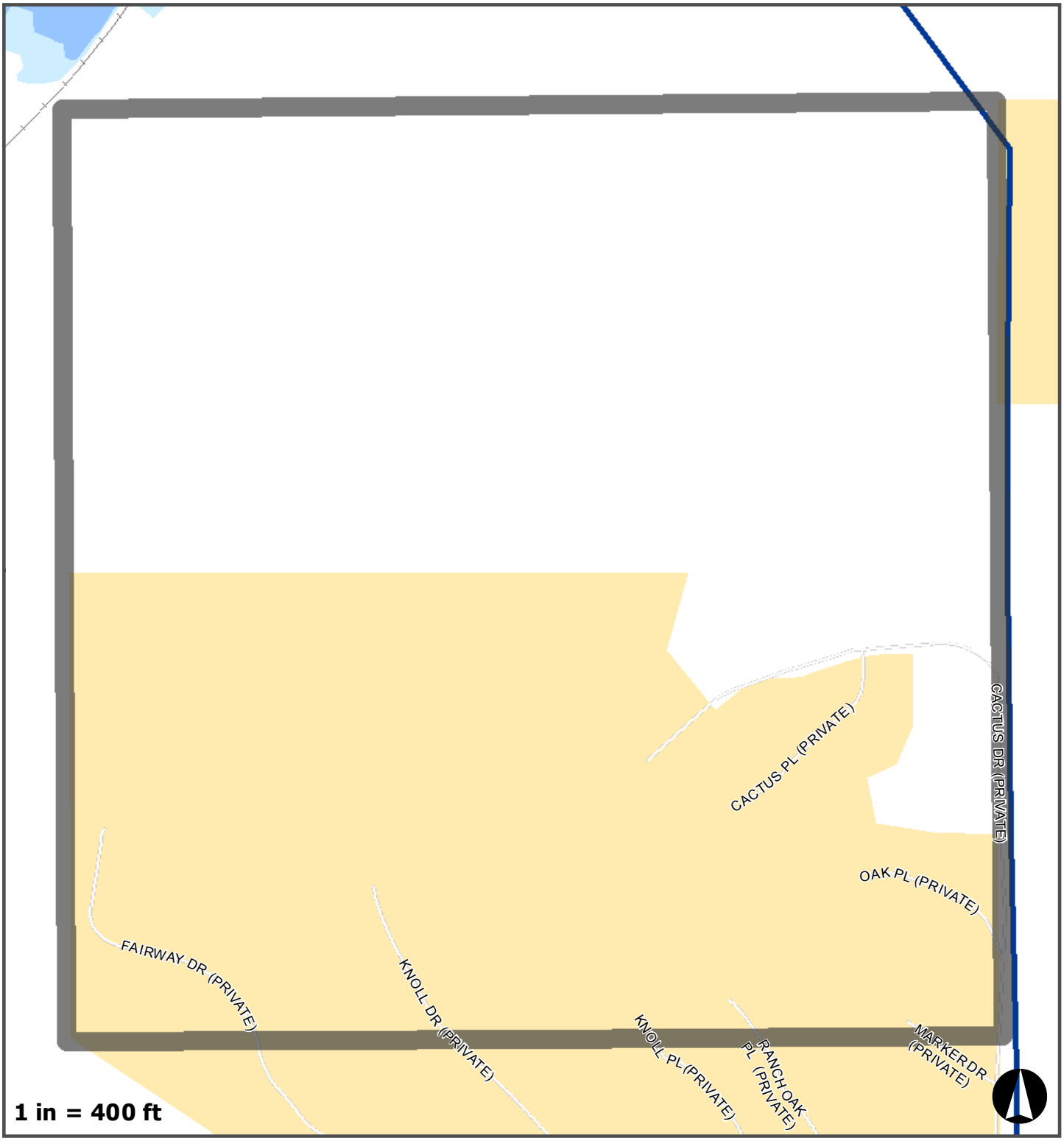
Major Gas Line

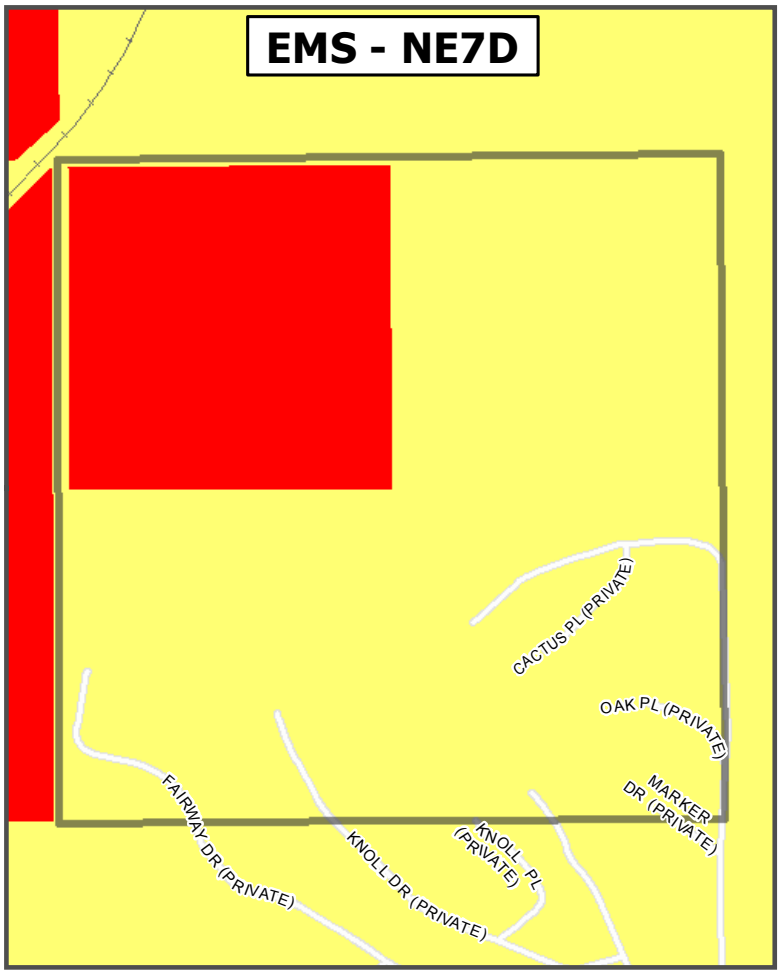
Floodplain

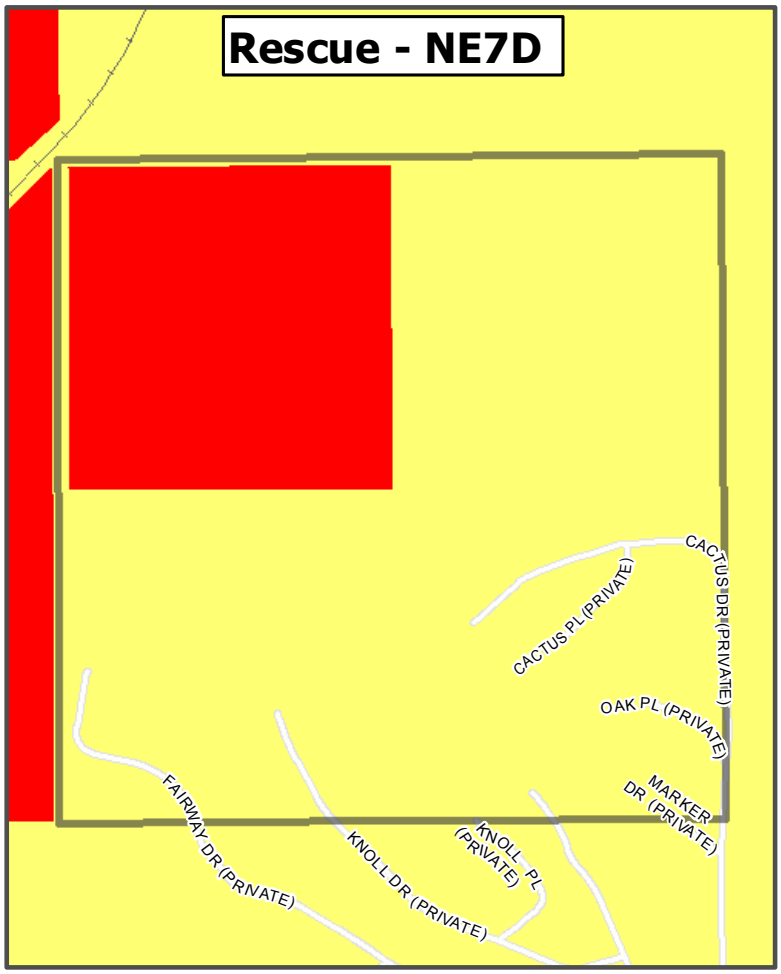
0.2 percent Annual Chance

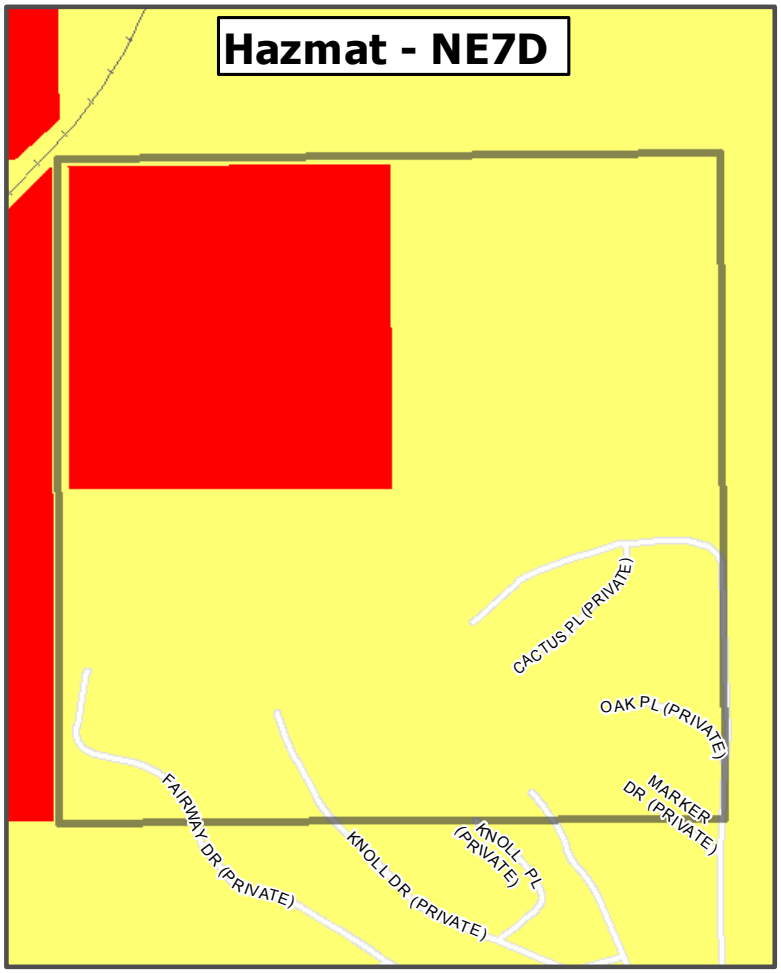
1 percent Annual Chance

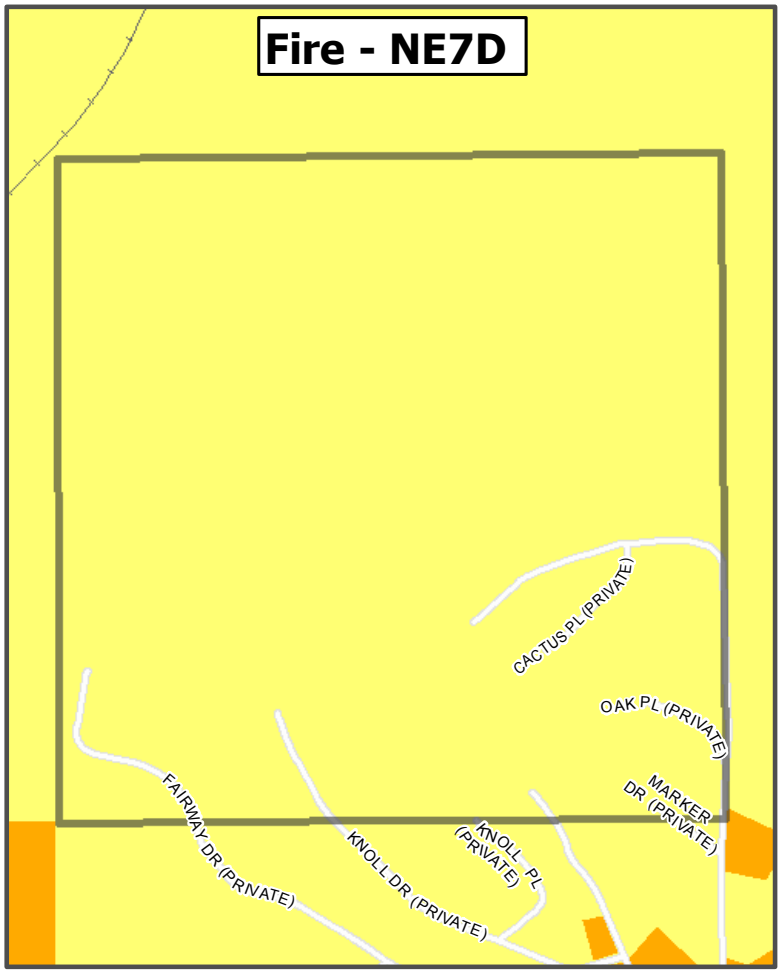












Low | Moderate | High | Special

1 inch = 764 feet

2015 Hazard/Risk Analysis by Planning Zones 7E

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	3
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	2
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
GOOD SAMARITAN VILLAGE	Type 1	Nursing Home
GOOD SAMARITAN CRESCENT VILLAGE	Type 1	Nursing Home
GOOD SAMARITAN HEARTHSTONE	Type 1	Nursing Home
GOOD SAMARITAN ROYAL VILLAGE	Type 1	Nursing Home
GOOD SAMARITAN ASSISTED LIVING	Type 1	Nursing Home
GOOD SAMARITAN PRAIRIE VILLAGE	Type 1	Nursing Home

NE7E

Fire

Rescue

HazMat

EMS

SUB Substation

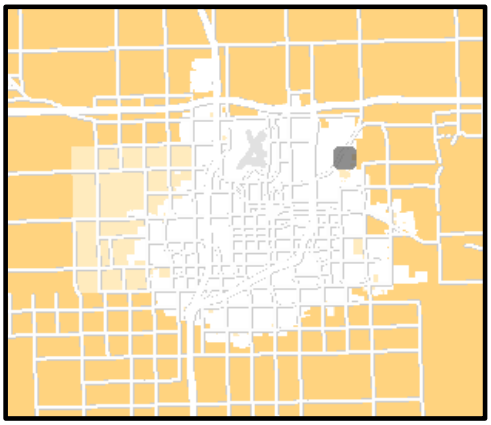
Transmission Line

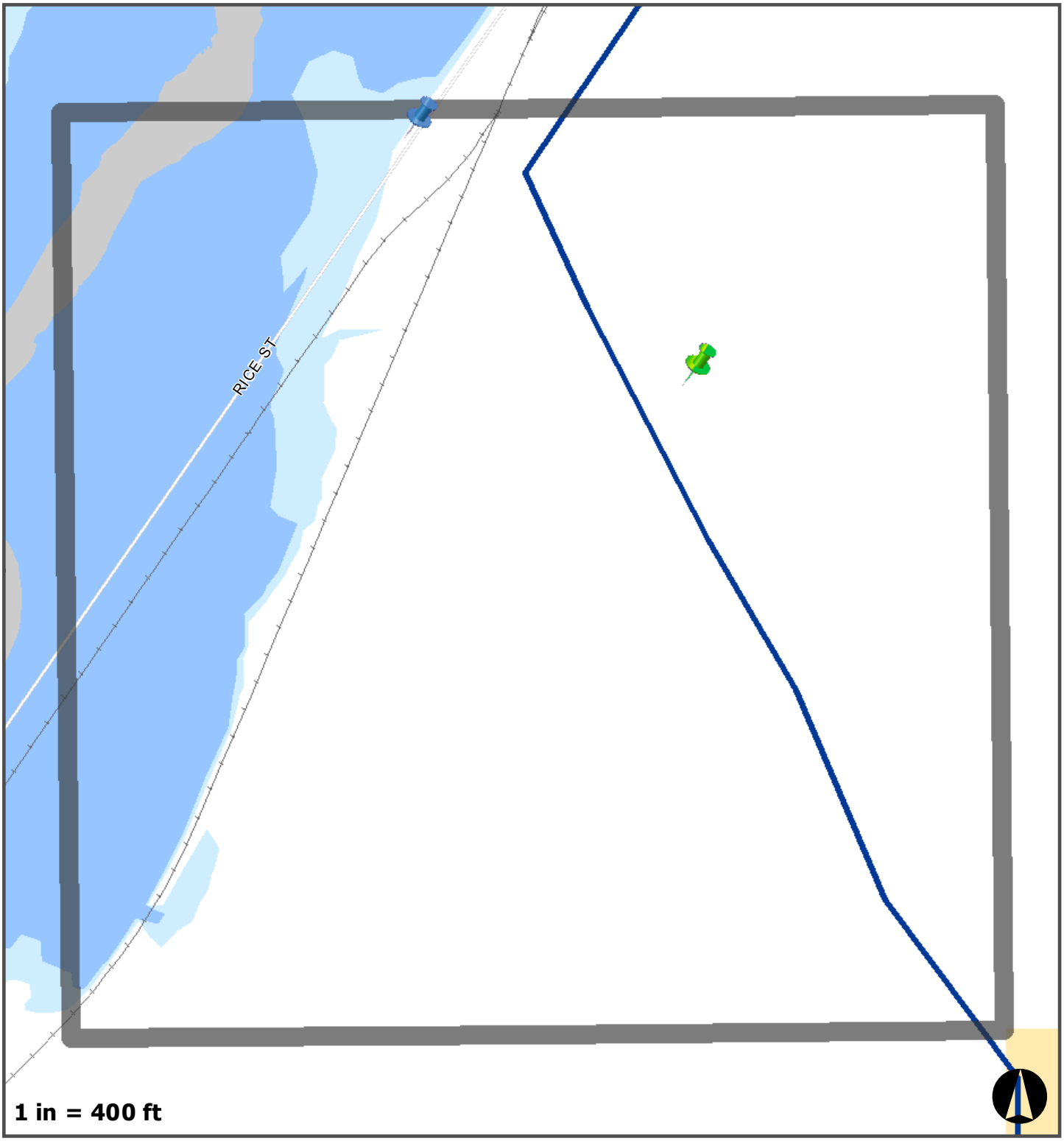
Major Gas Line

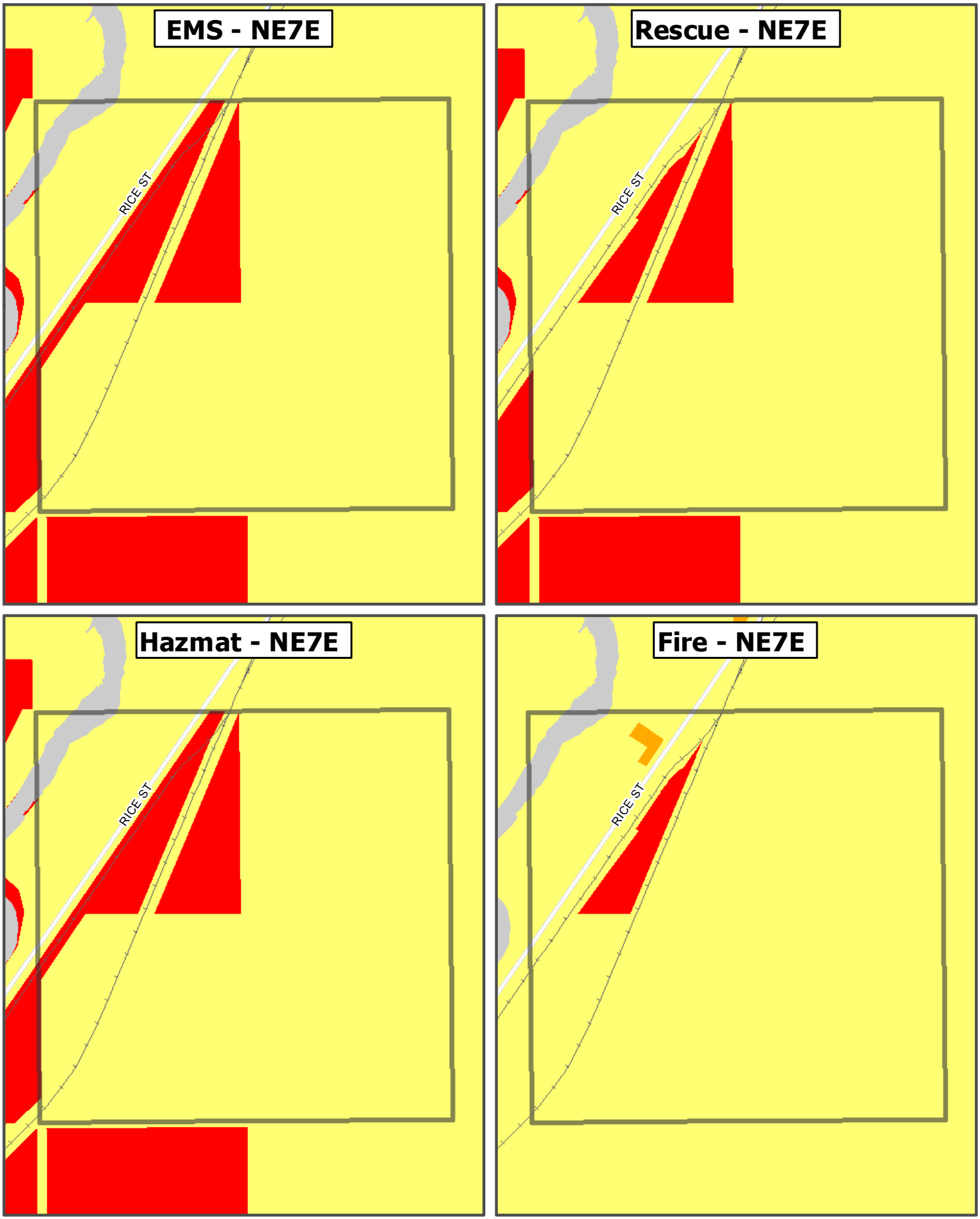
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance






EMS - NE7E
RICE ST
Rescue - NE7E
RICE ST
Hazmat - NE7E
RICE ST
Fire - NE7E
RICE ST
Low
Moderate
High
Special
1 inch = 766 feet

2015 Hazard/Risk Analysis by Planning Zones 7F

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy

NE7F

Fire

Rescue

HazMat

EMS

SUB Substation

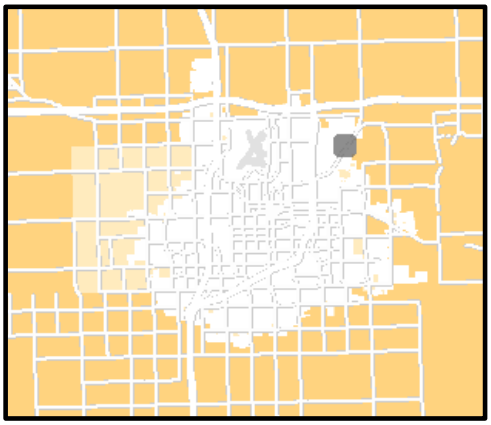
Transmission Line

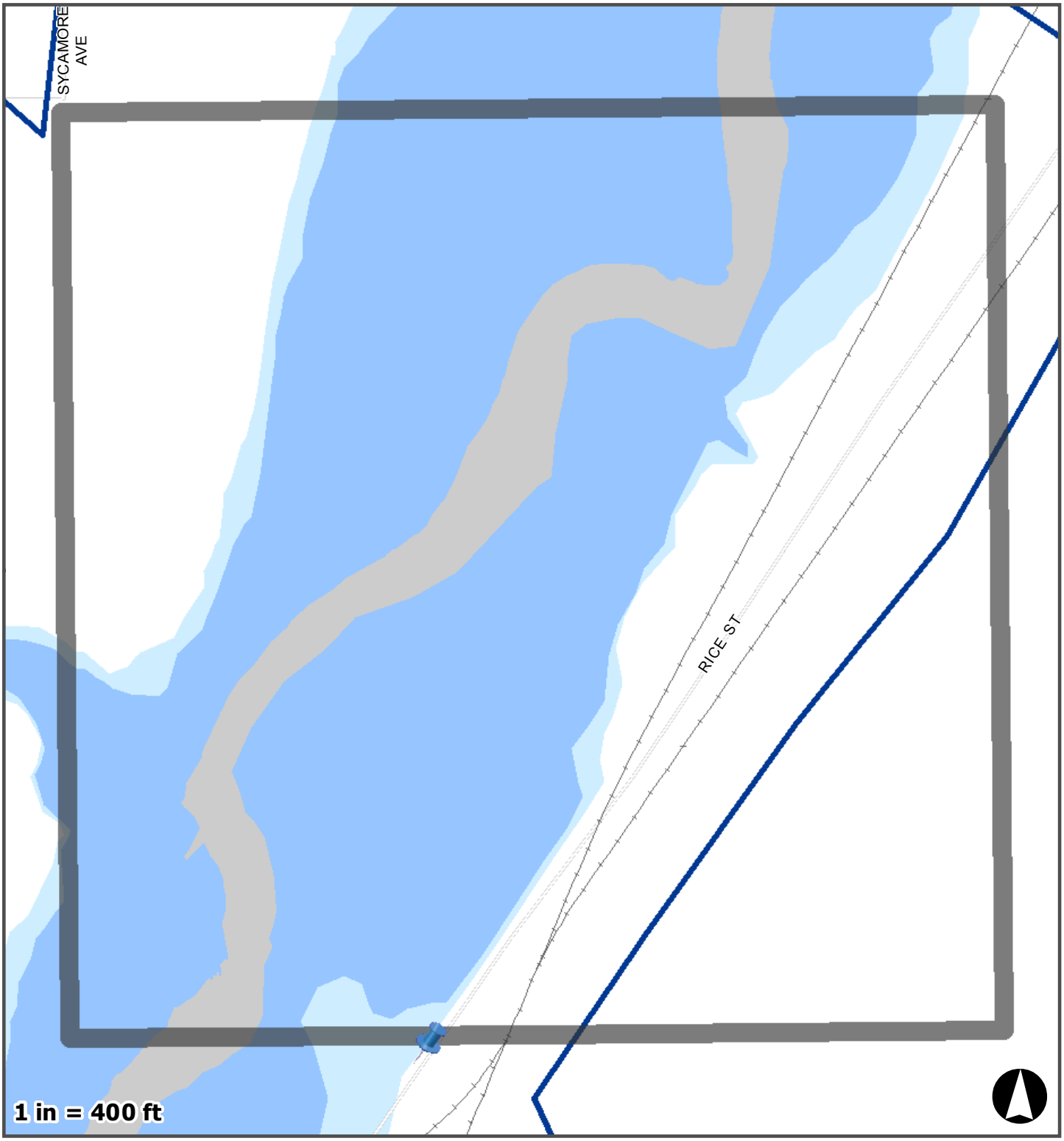
Major Gas Line

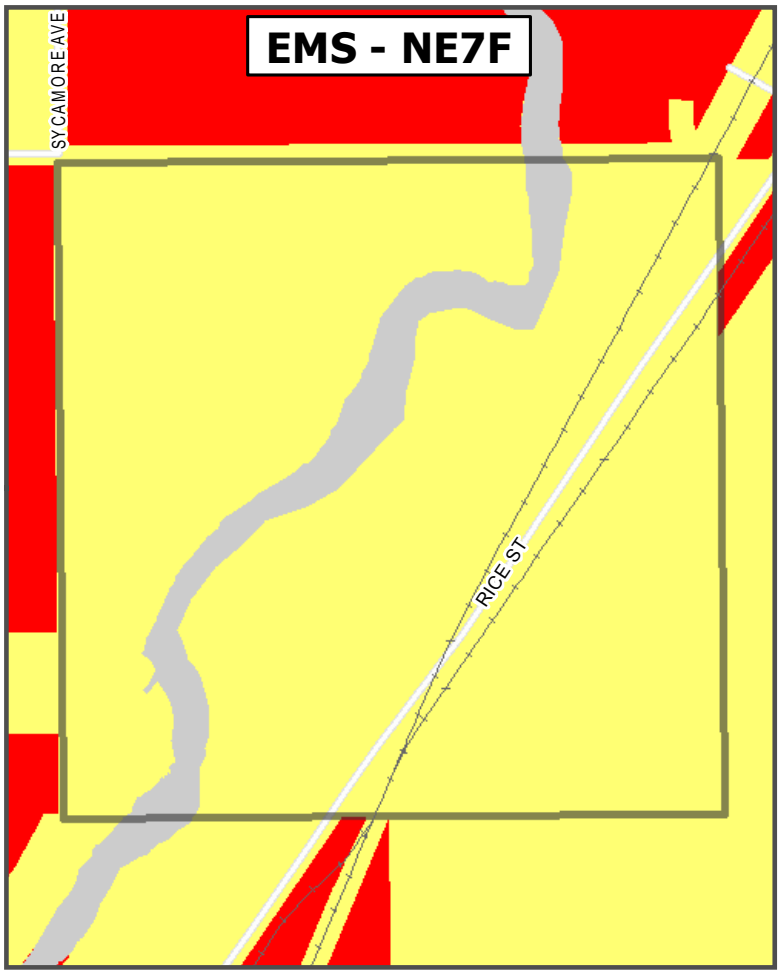
Floodplain

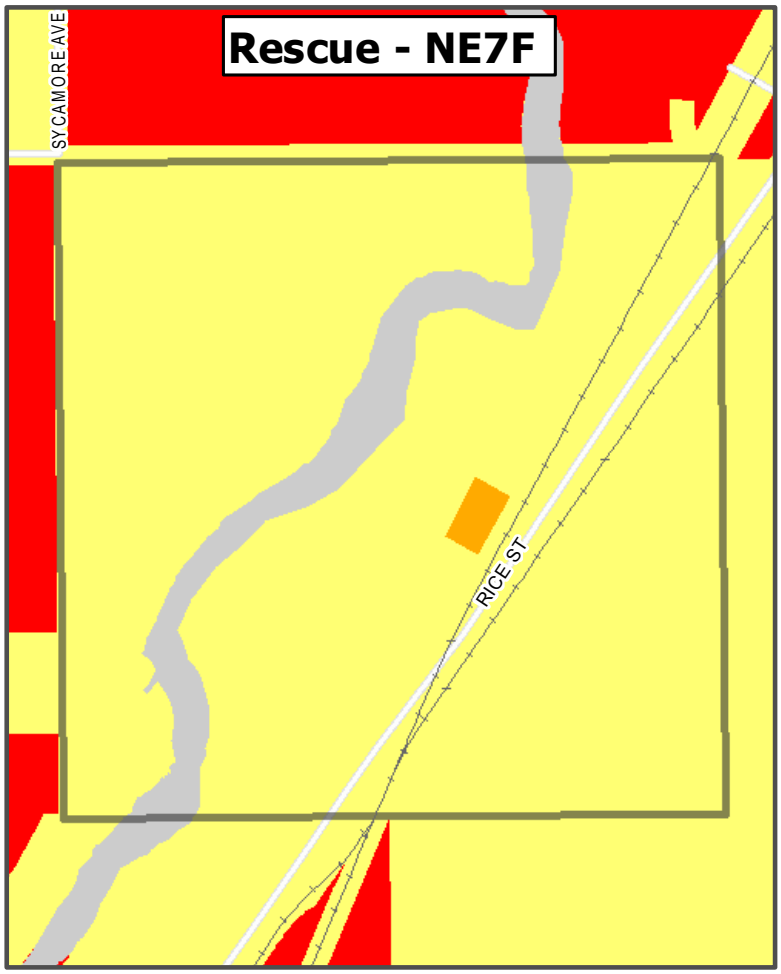
0.2 percent Annual Chance

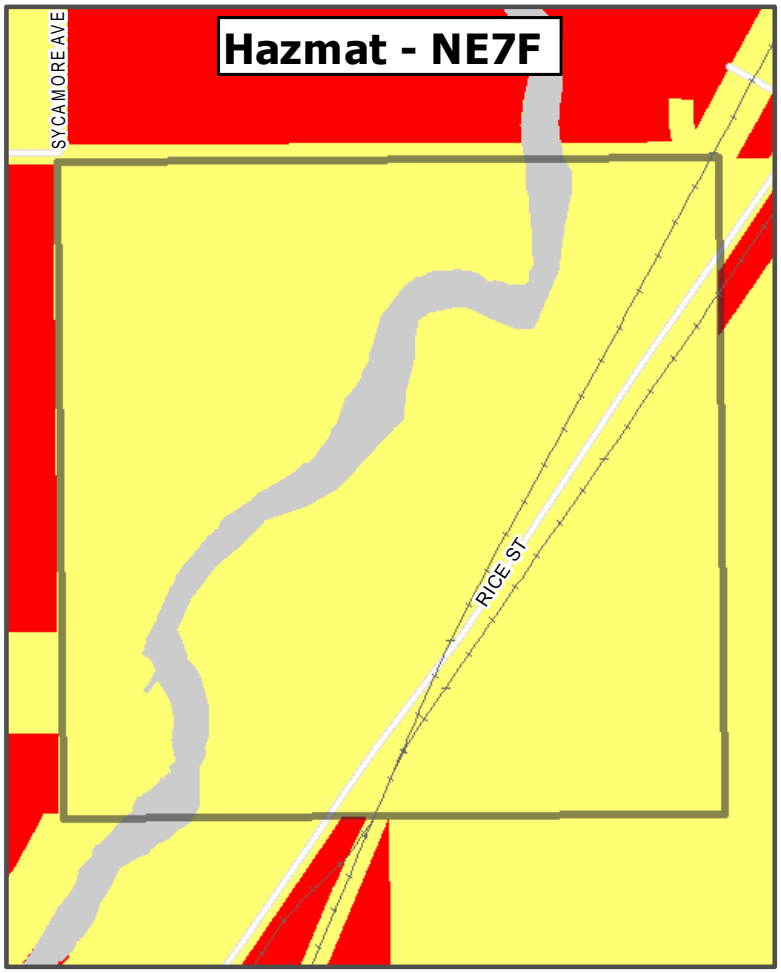
1 percent Annual Chance

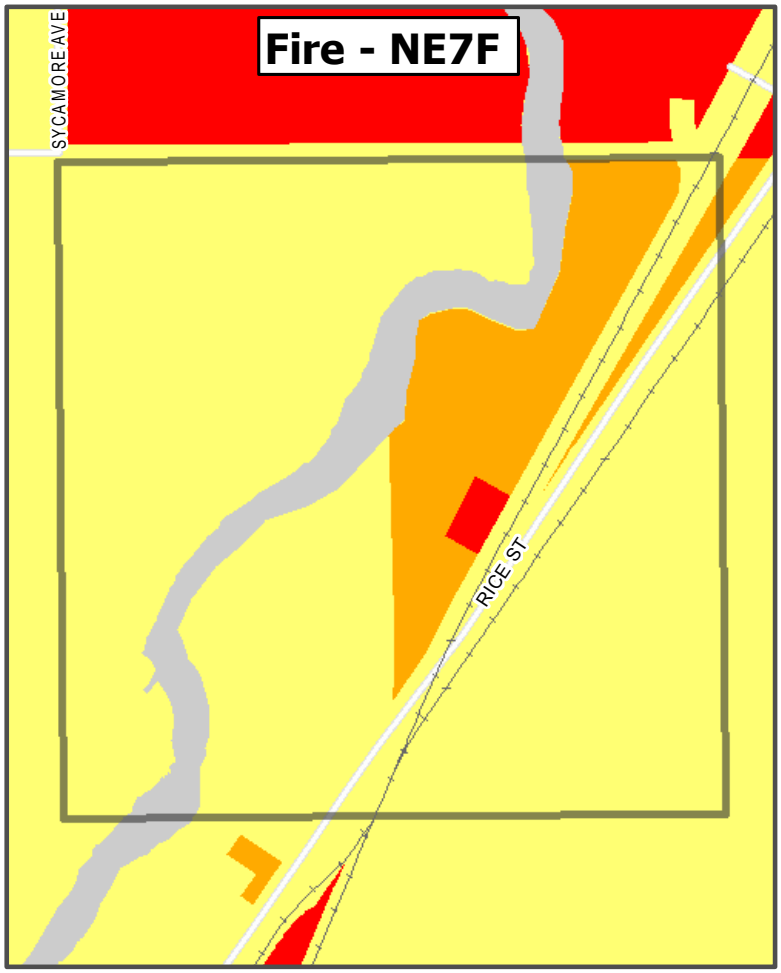












Low | Moderate | High | Special

1 inch = 767 feet

2015 Hazard/Risk Analysis by Planning Zones 7G

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Interstate highway intersects this quadrant		

NE7G

Fire

Rescue

HazMat

EMS

SUB Substation

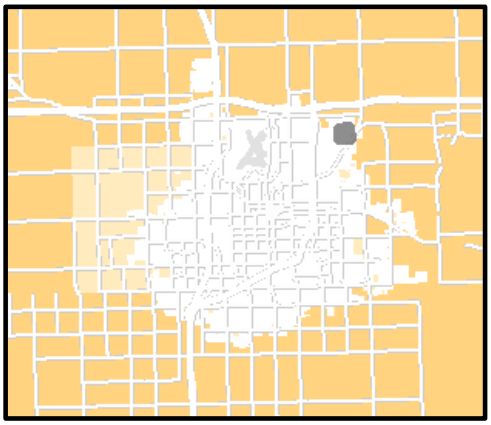
Transmission Line

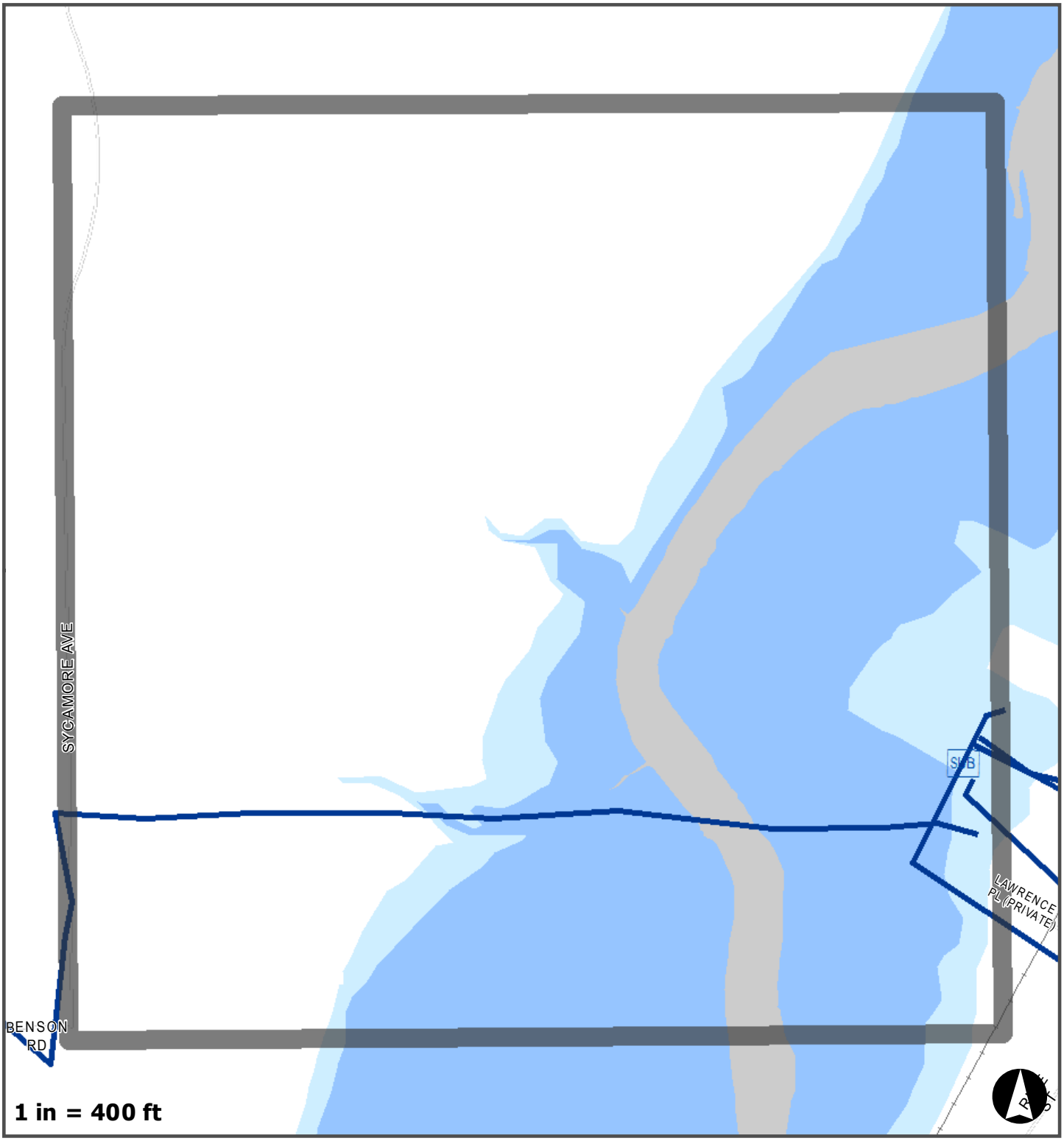
Major Gas Line

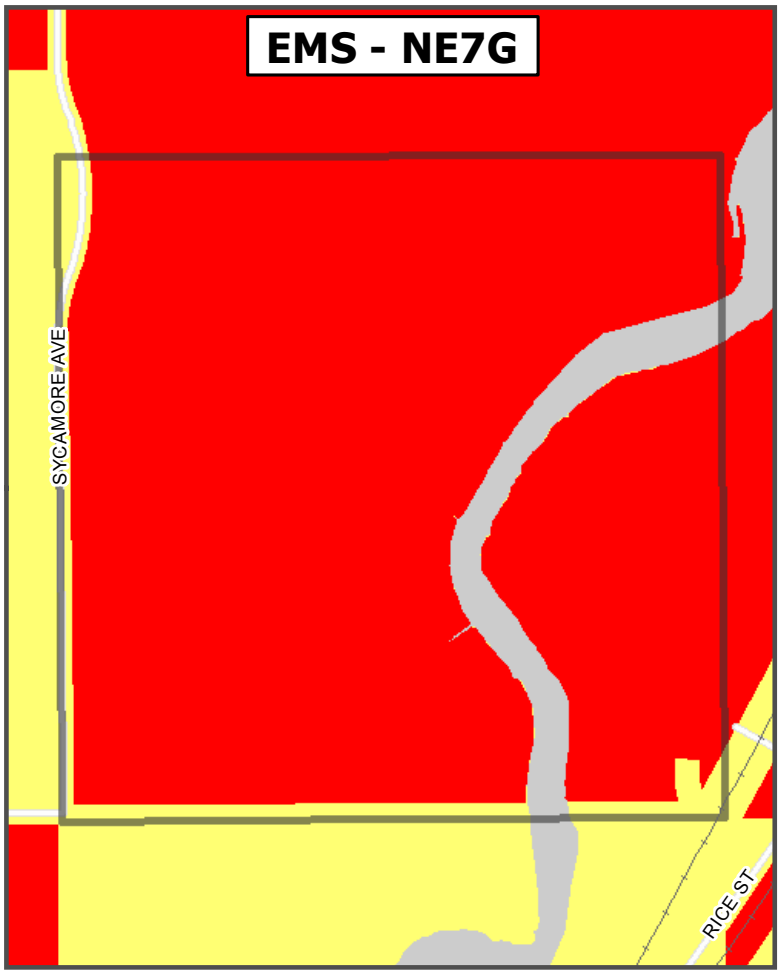
Floodplain

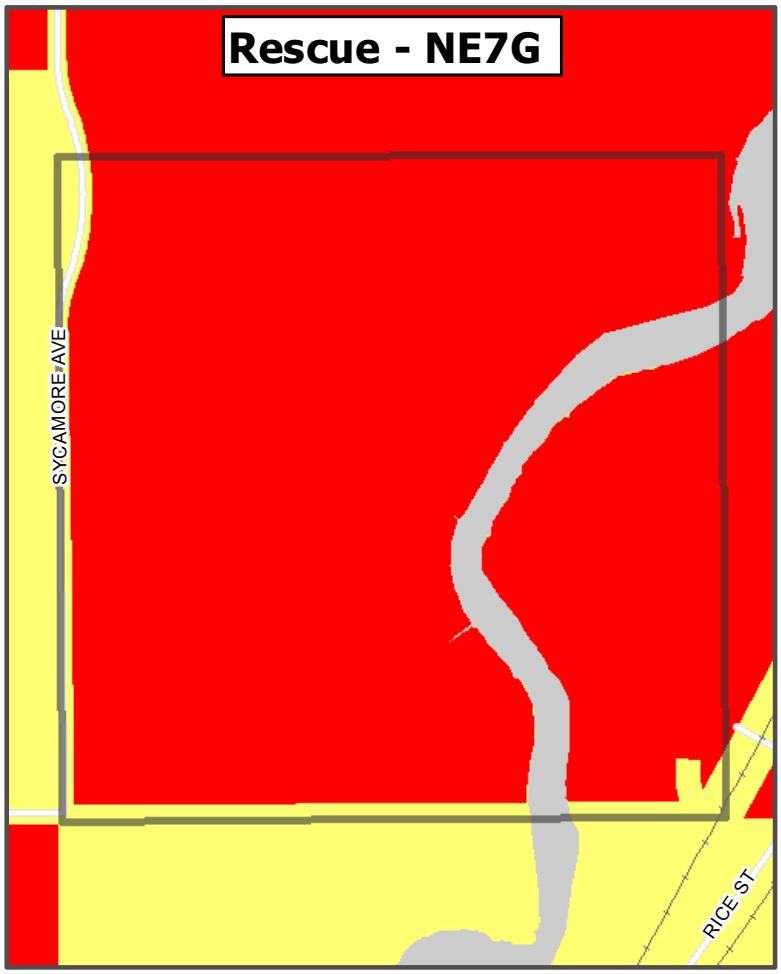
0.2 percent Annual Chance

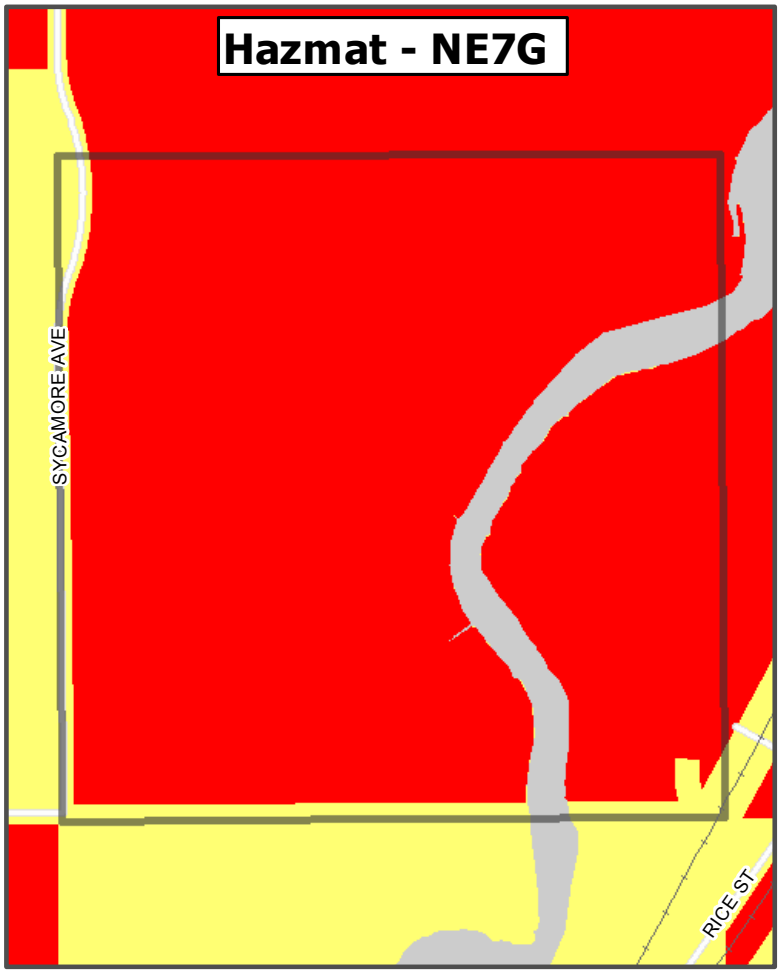
1 percent Annual Chance

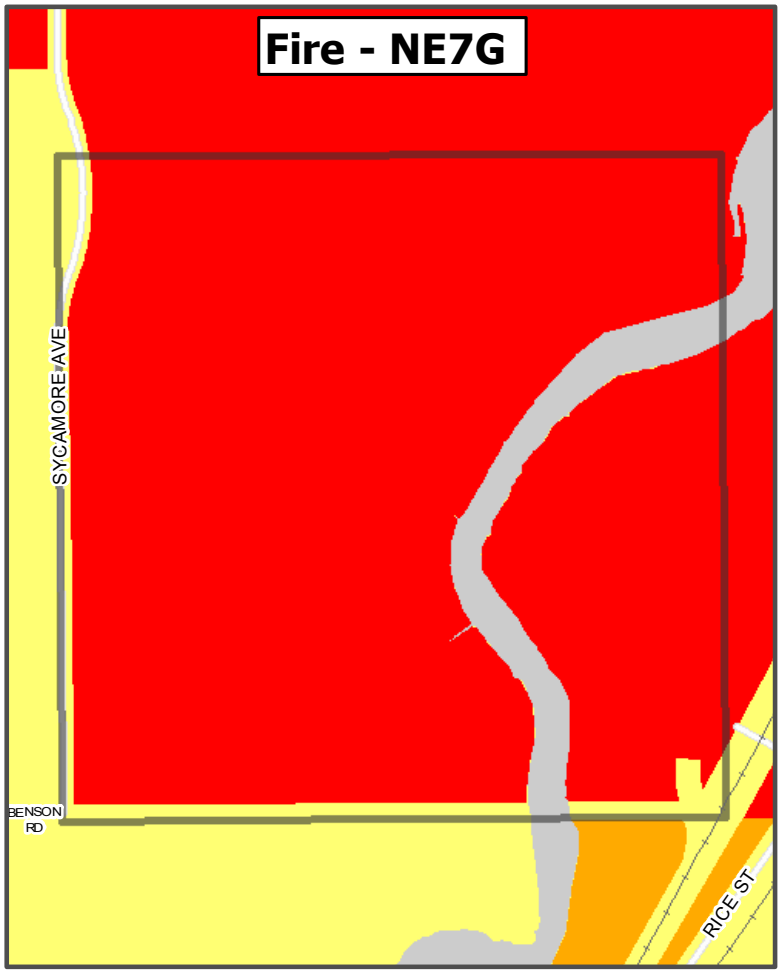












Low | Moderate | High | Special

1 inch = 765 feet

2015 Hazard/Risk Analysis by Planning Zones 7H

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Interstate highway intersects this quadrant		
Pipeline intersects this quadrant		

NE7H

Fire

Rescue

HazMat

EMS

SUB Substation

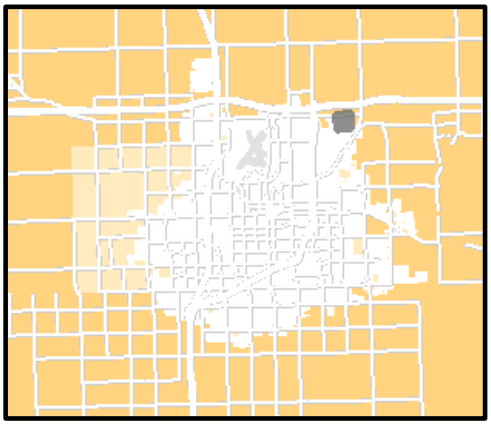
Transmission Line

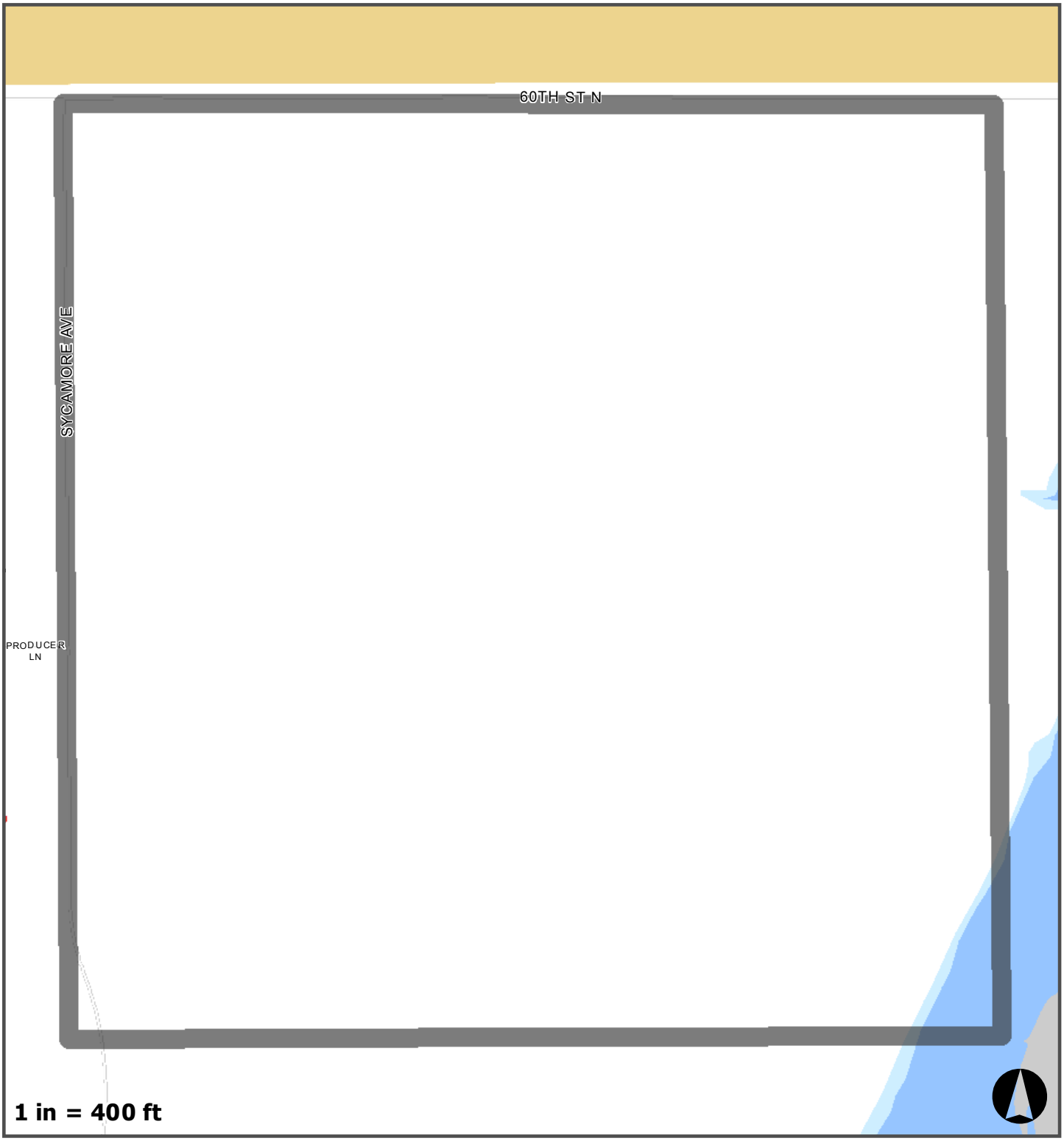
Major Gas Line

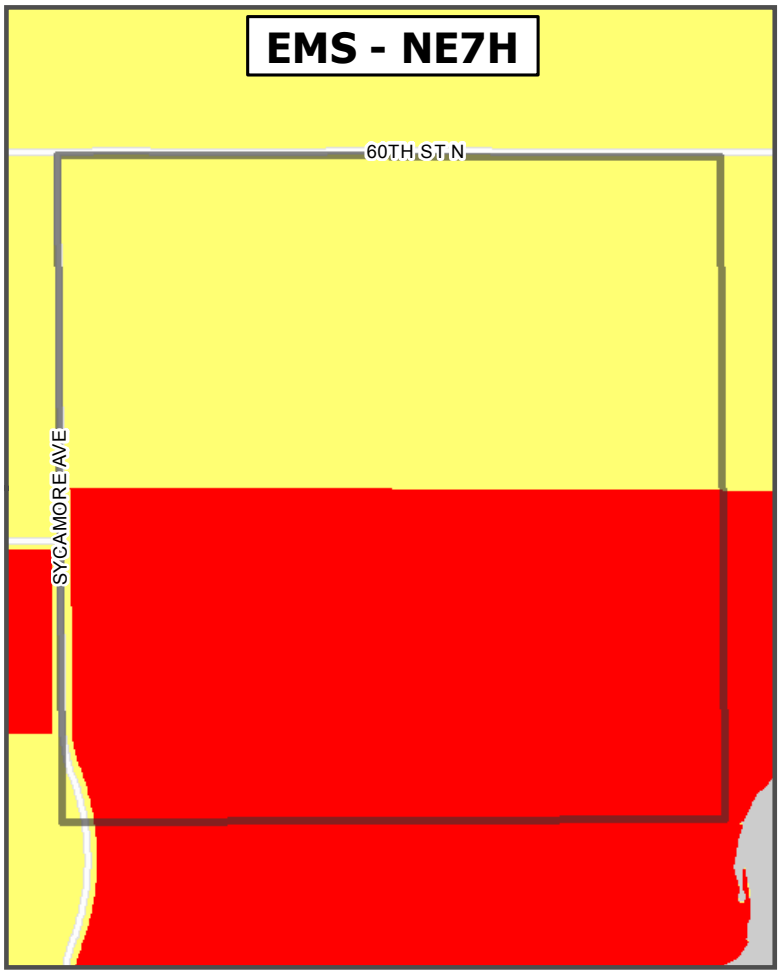
Floodplain

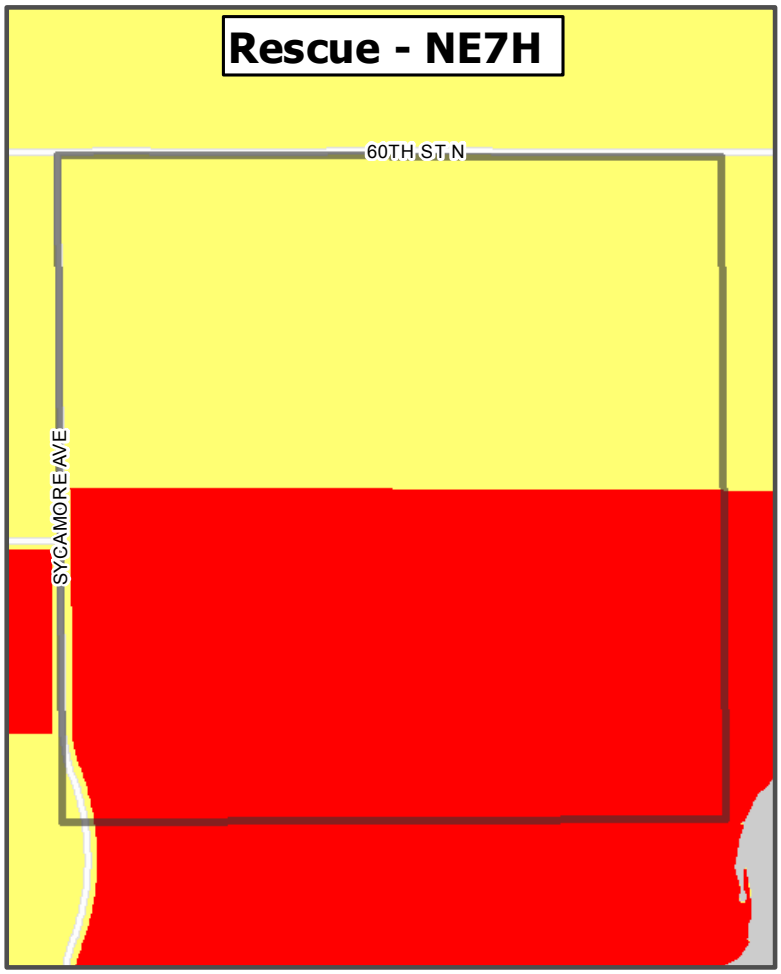
0.2 percent Annual Chance

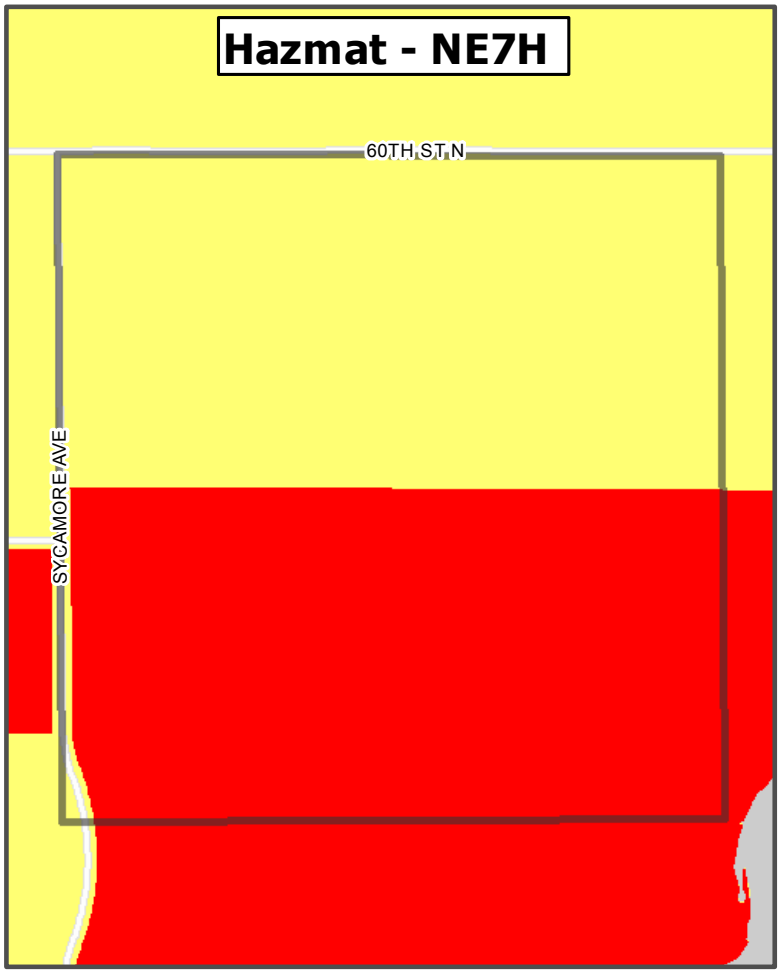
1 percent Annual Chance

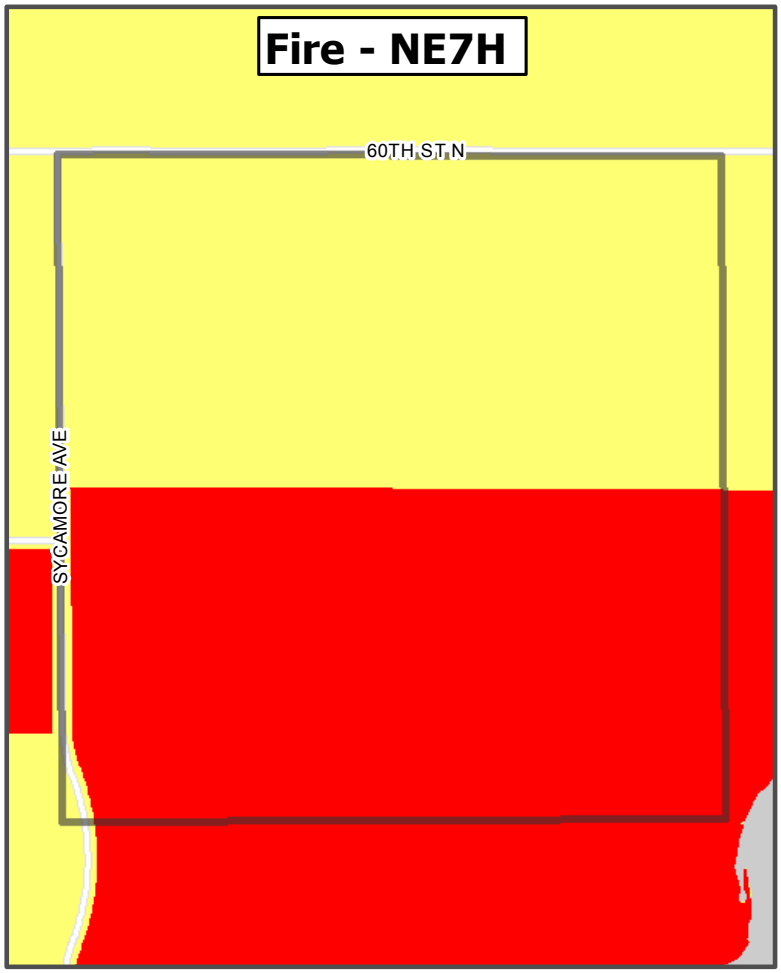












Low | Moderate | High | Special

1 inch = 764 feet

2015 Hazard/Risk Analysis by Planning Zones 7I

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Interstate highway intersects this quadrant		
Pipeline intersects this quadrant		

NE7I

Fire

Rescue

HazMat

EMS

SUB Substation

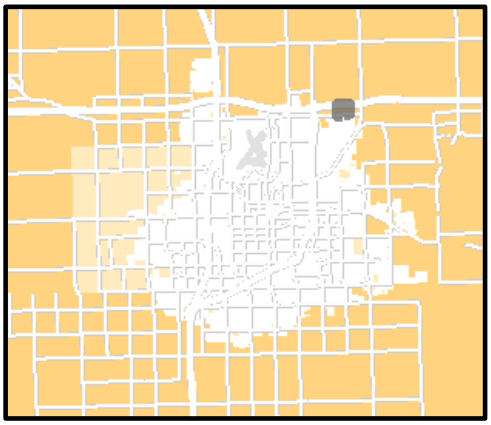
Transmission Line

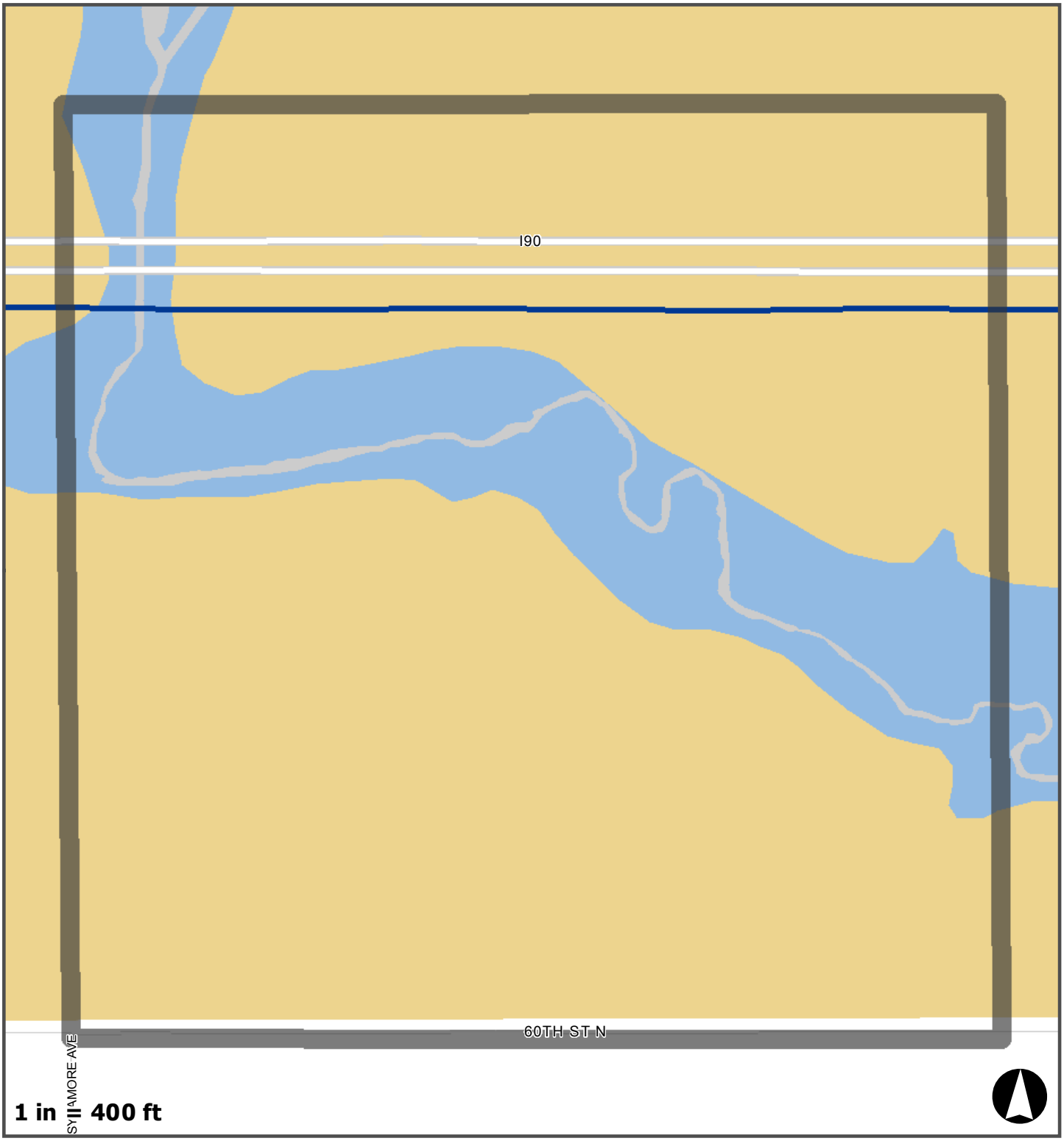
Major Gas Line

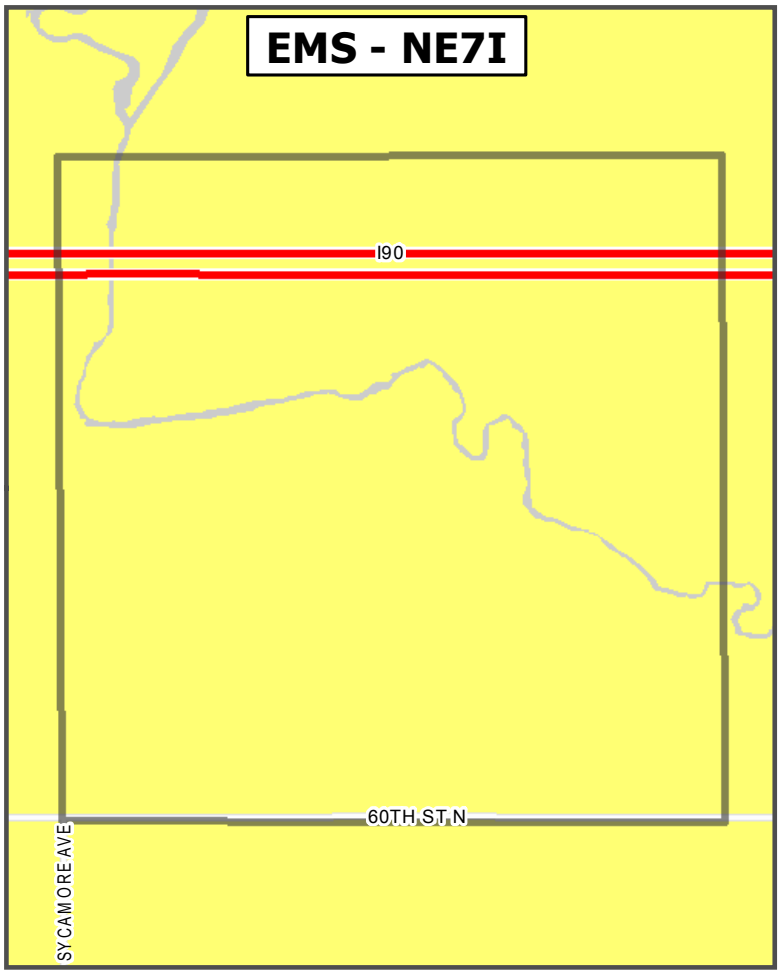
Floodplain

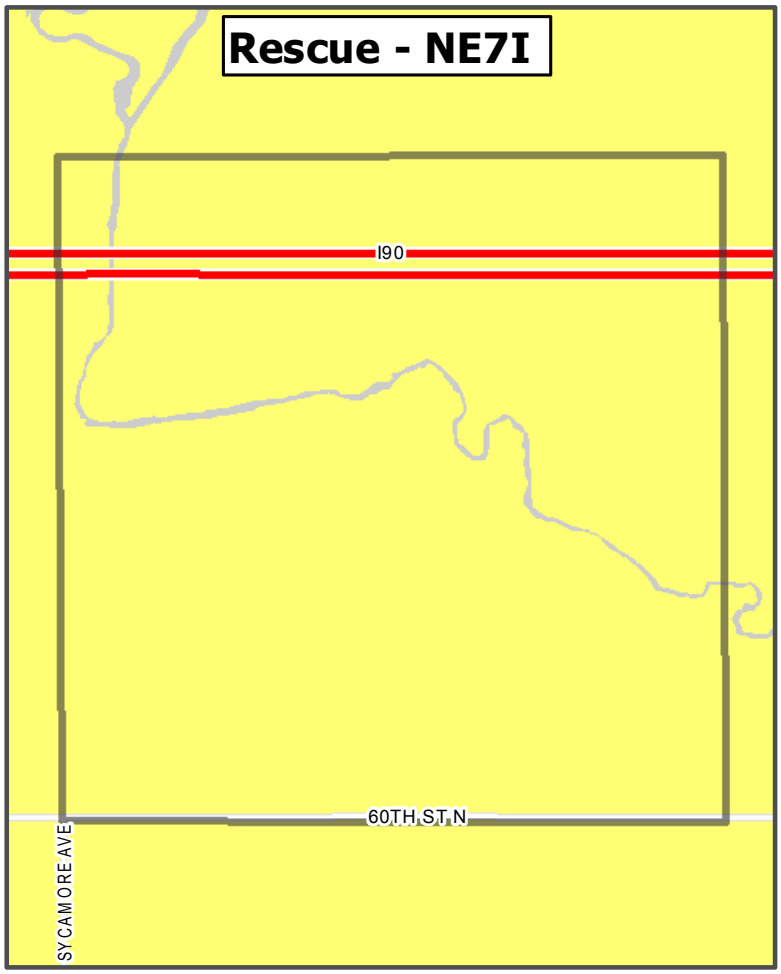
0.2 percent Annual Chance

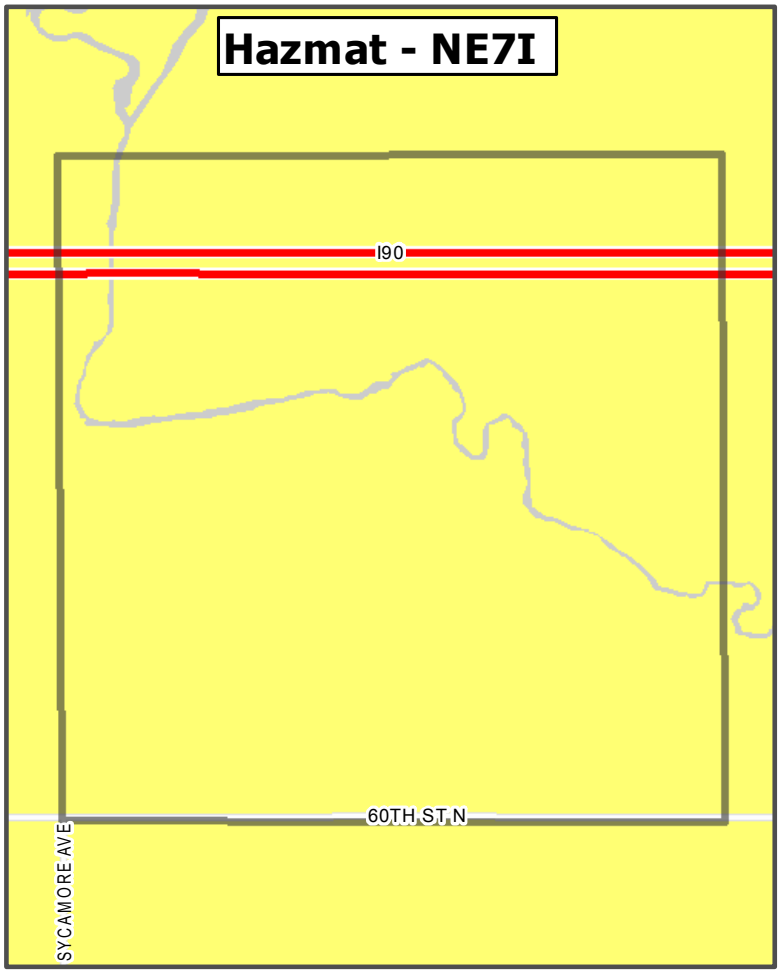
1 percent Annual Chance

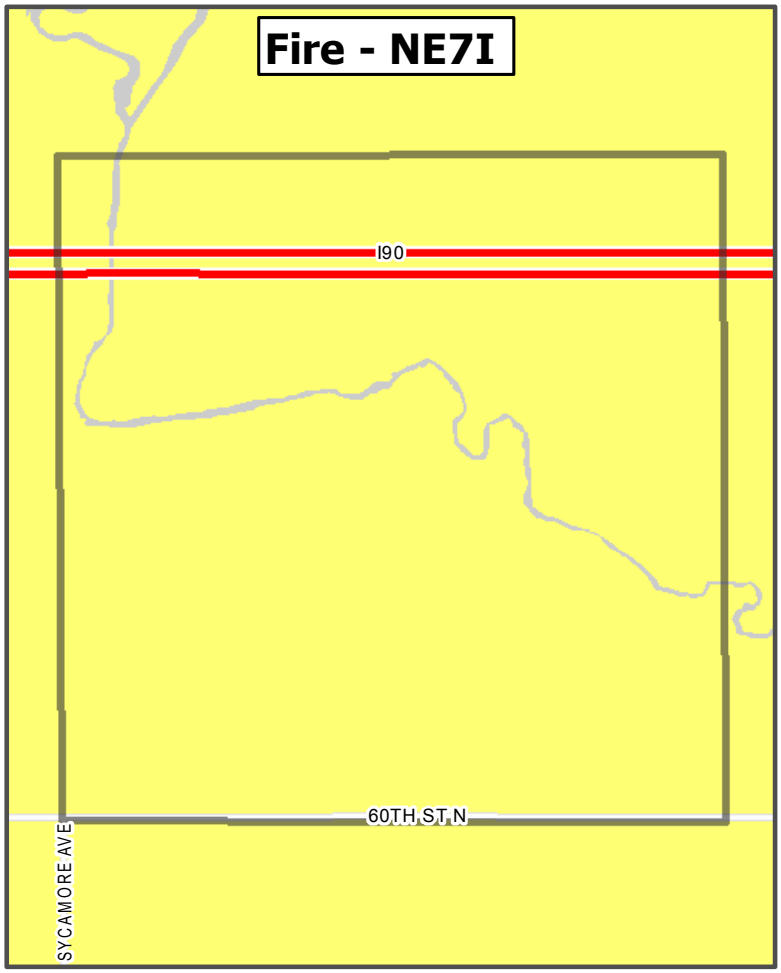












Low | Moderate | High | Special

1 inch = 763 feet

2015 Hazard/Risk Analysis by Planning Zones 8A

Frequency of Fires	
Residential	1
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	1

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	12
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	2
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 40% of this quadrant lies in the flood plain (Skunk Creek)		

NE8A

Fire

Rescue

HazMat

EMS

SUB Substation

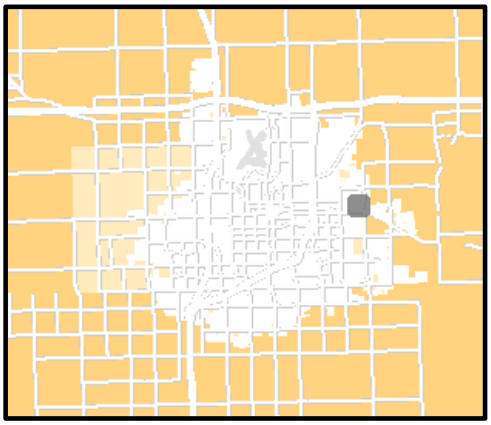
Transmission Line

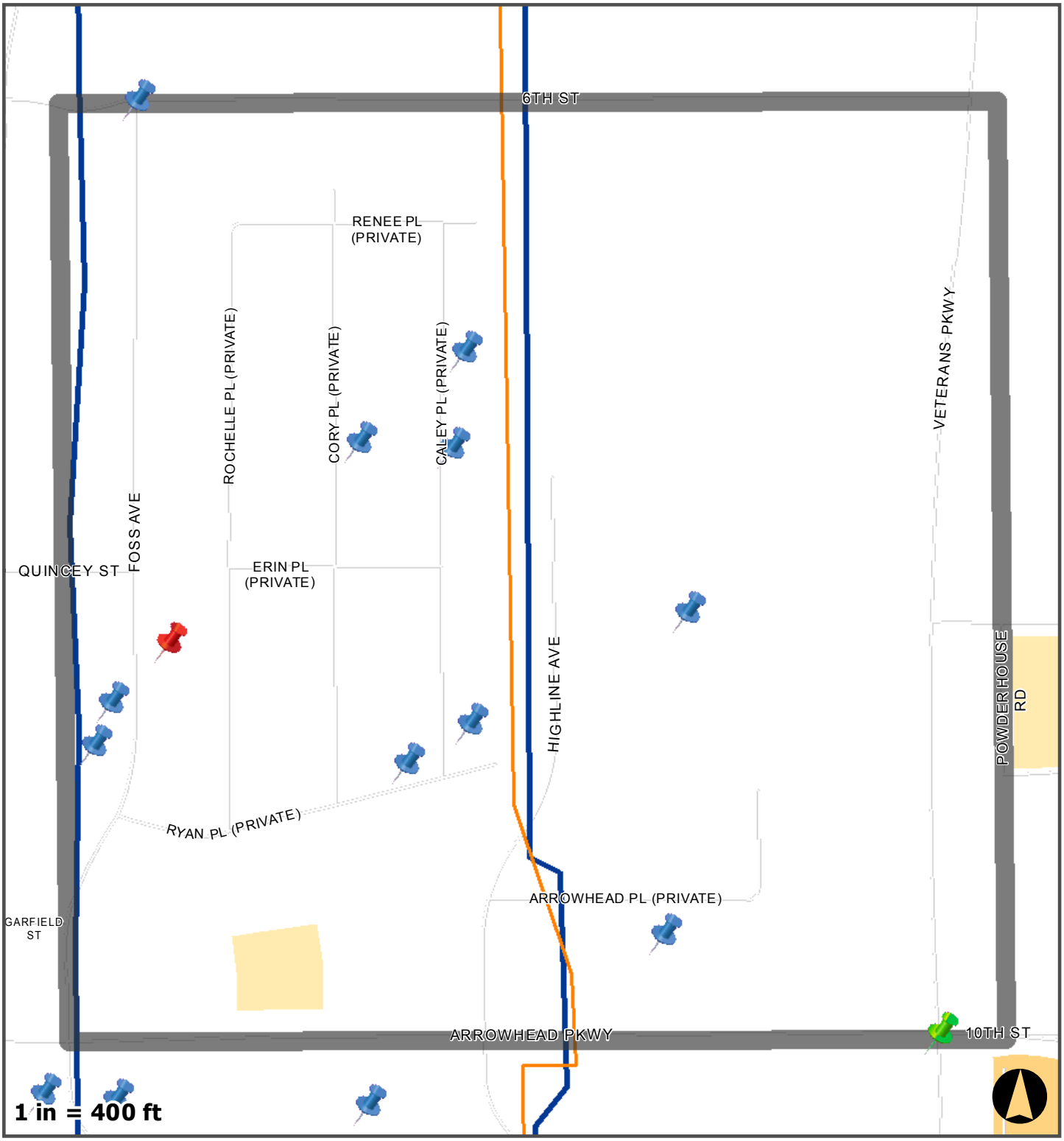
Major Gas Line

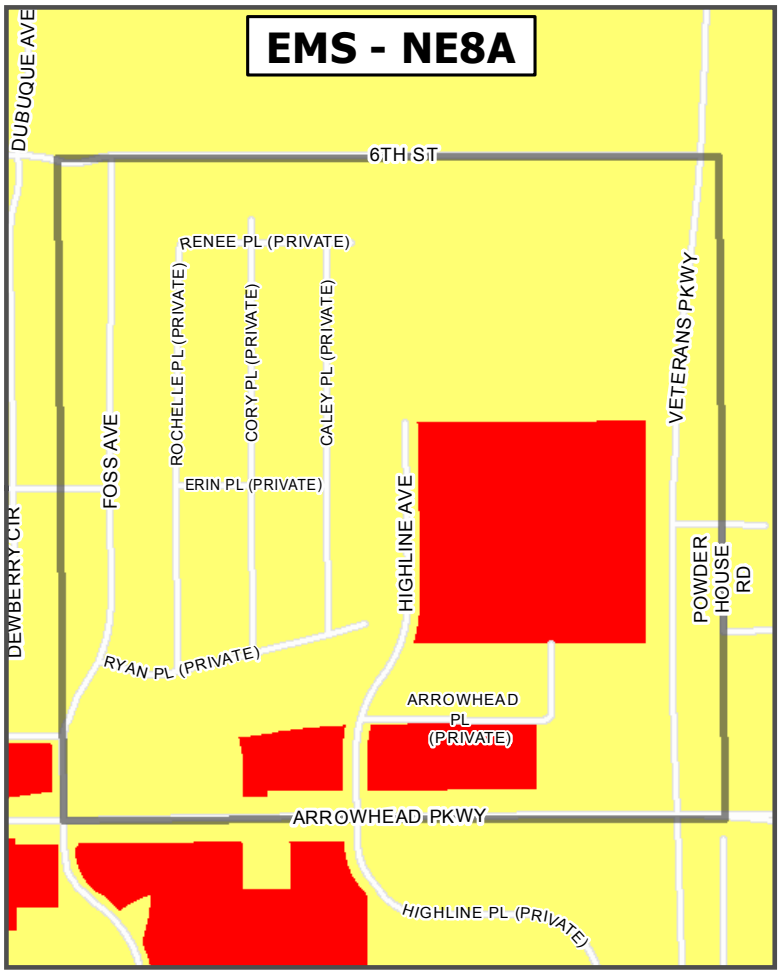
Floodplain

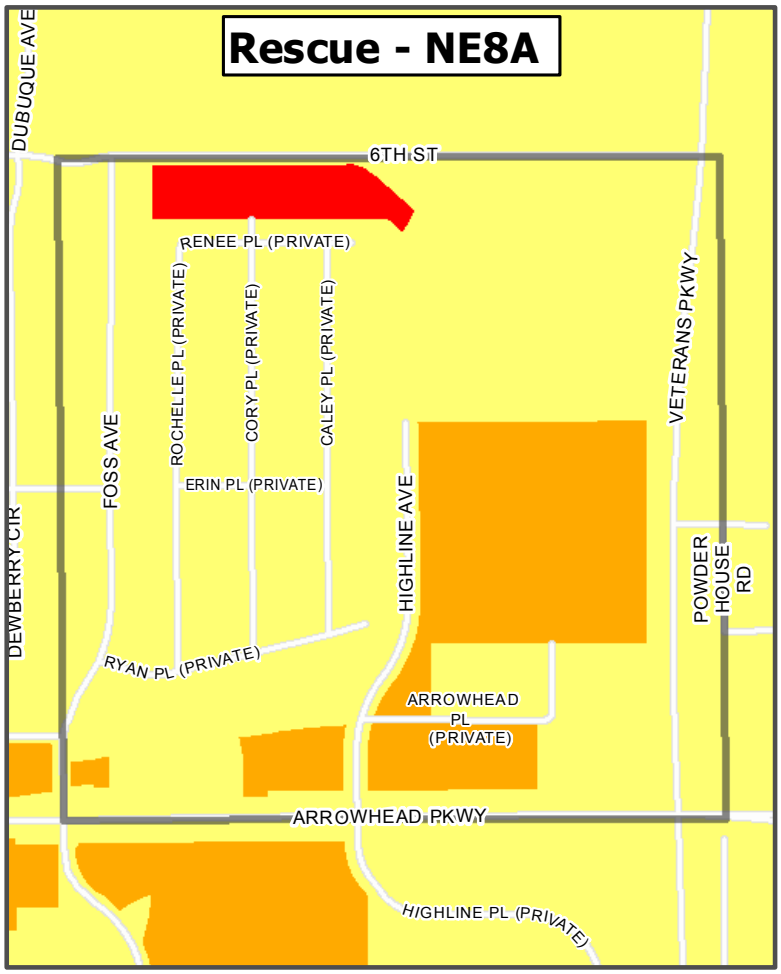
0.2 percent Annual Chance

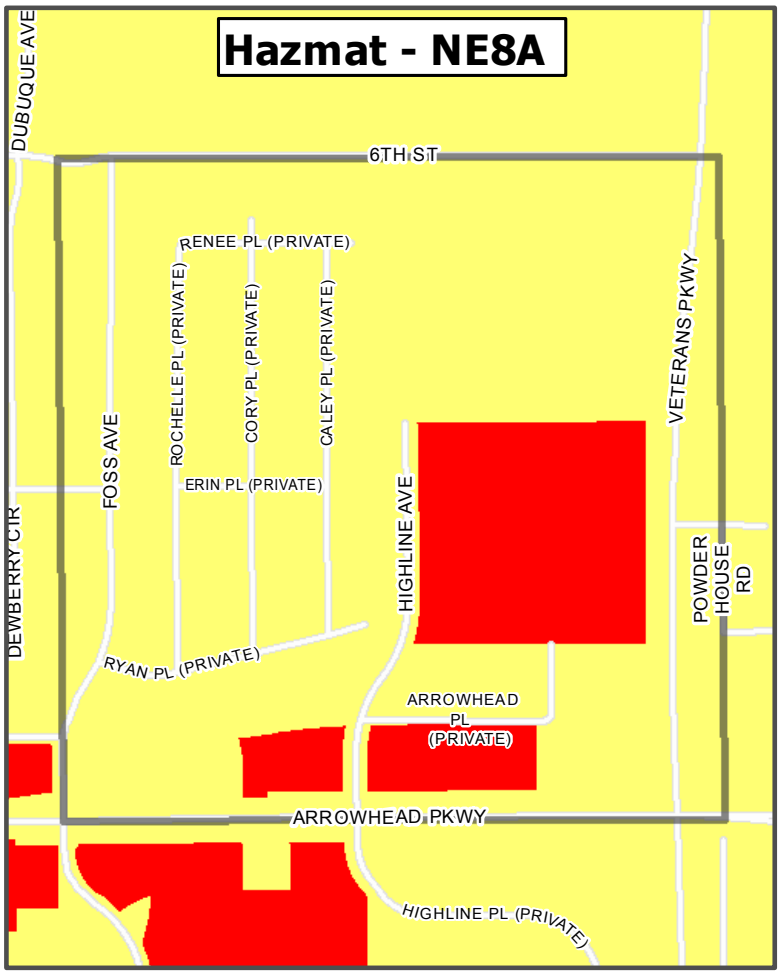
1 percent Annual Chance

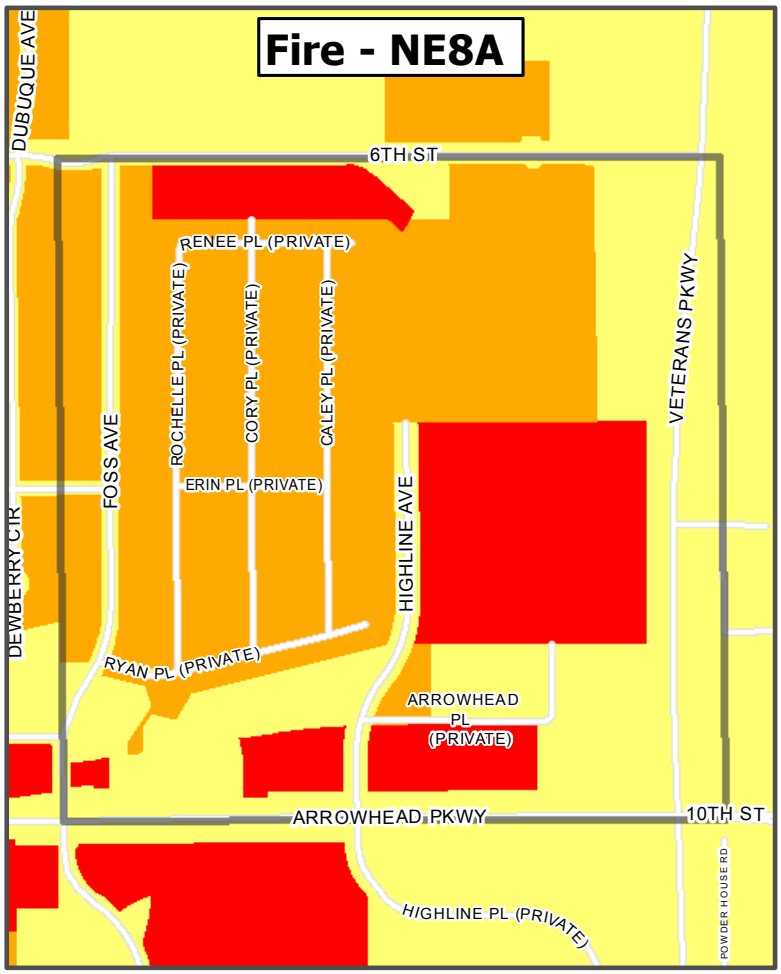












Low | Moderate | High | Special

1 inch = 770 feet

2015 Hazard/Risk Analysis by Planning Zones 8B

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	1
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 20% of this quadrant lies in the flood plain (Skunk Creek)		

NE8B

Fire

Rescue

HazMat

EMS

SUB Substation

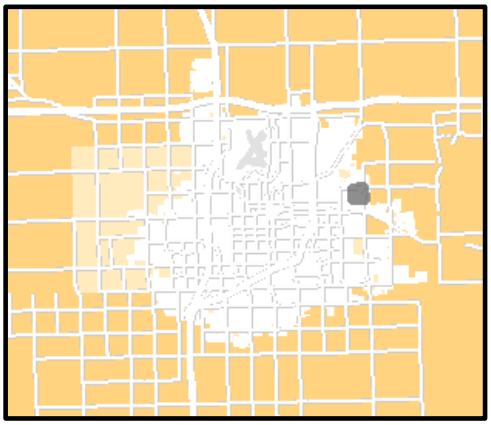
Transmission Line

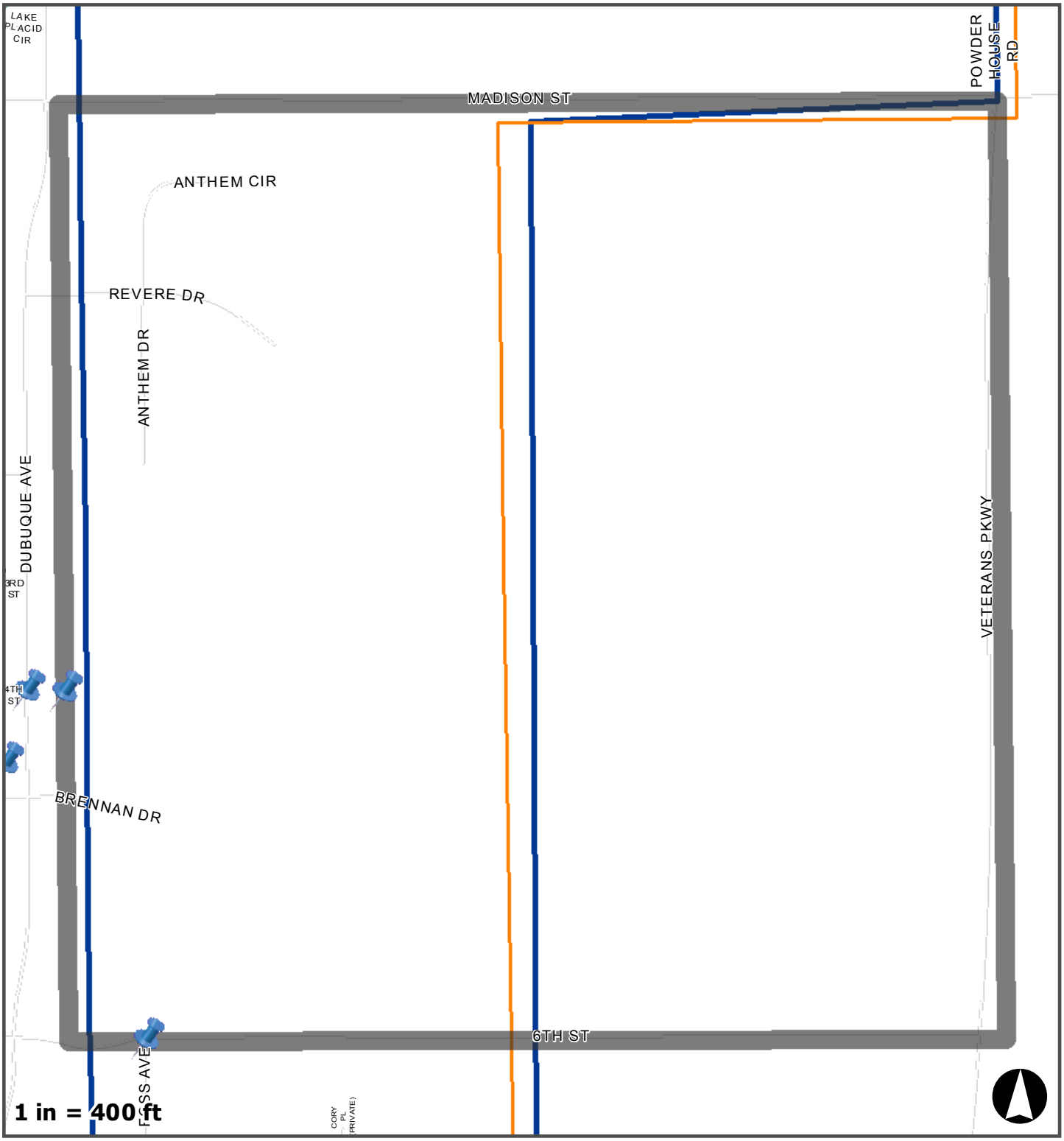
Major Gas Line

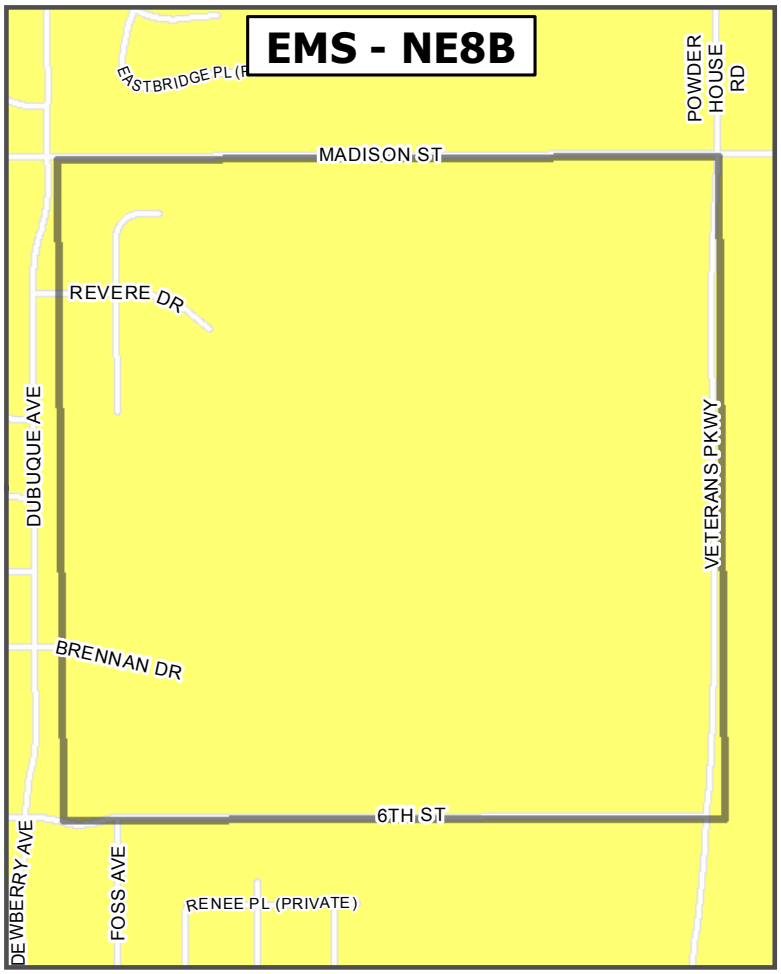
Floodplain

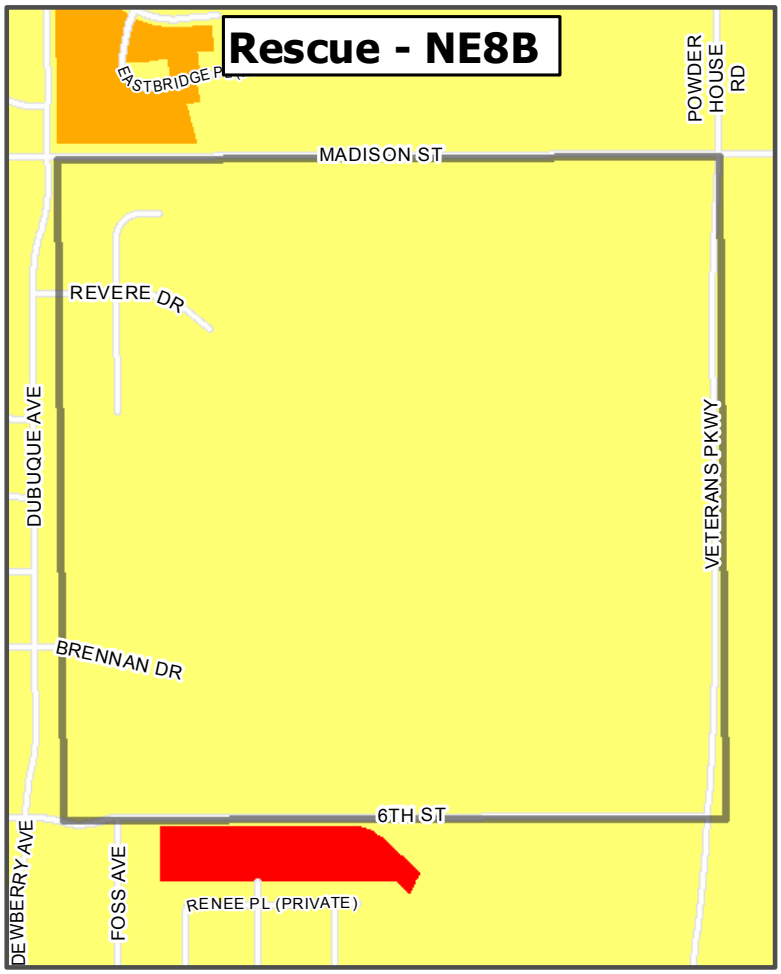
0.2 percent Annual Chance

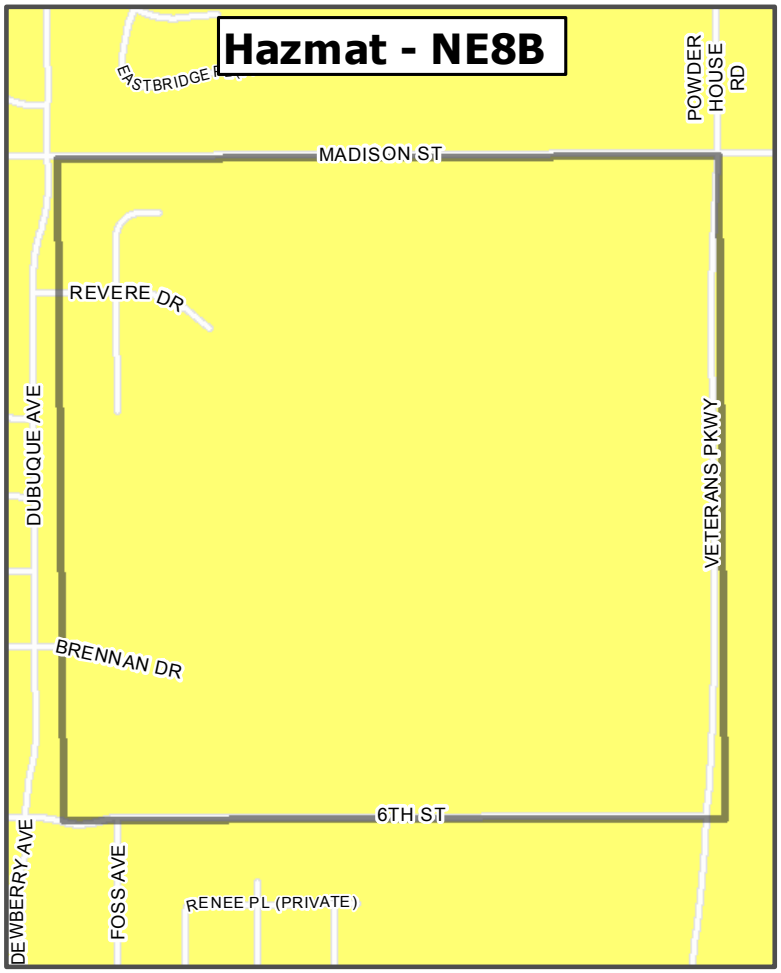
1 percent Annual Chance

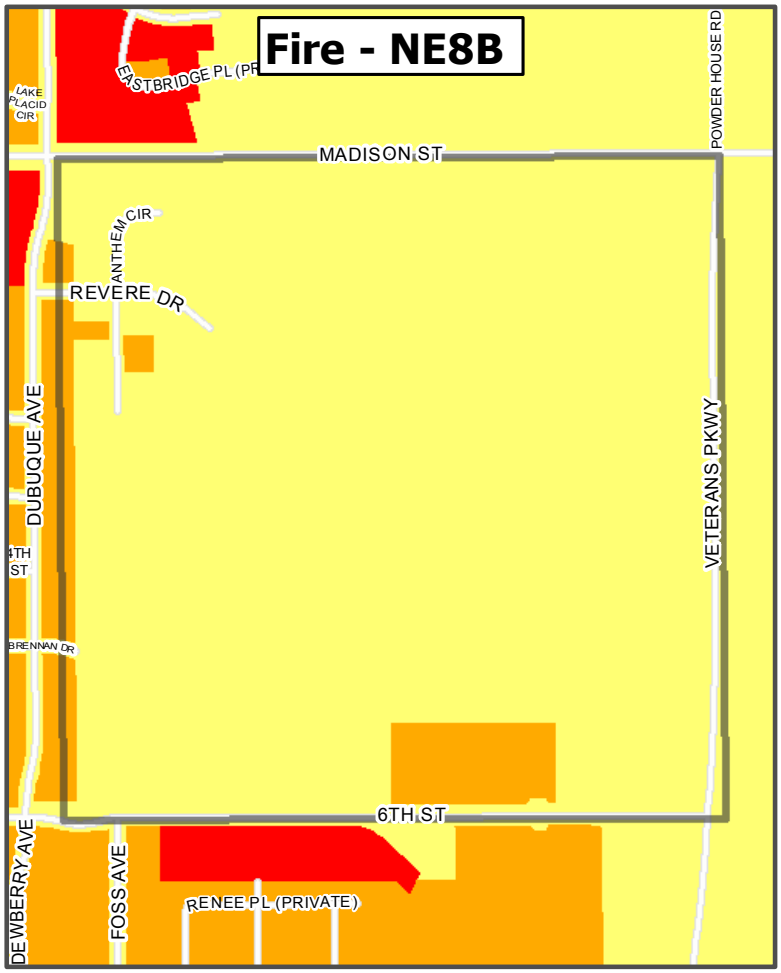












Low | Moderate | High | Special

1 inch = 771 feet

2015 Hazard/Risk Analysis by Planning Zones 8C

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy

NE8C

Fire

Rescue

HazMat

EMS

SUB Substation

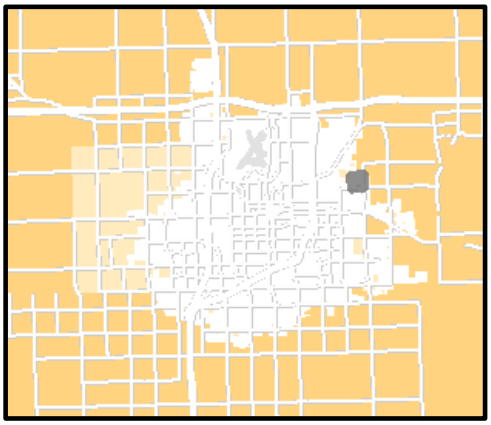
Transmission Line

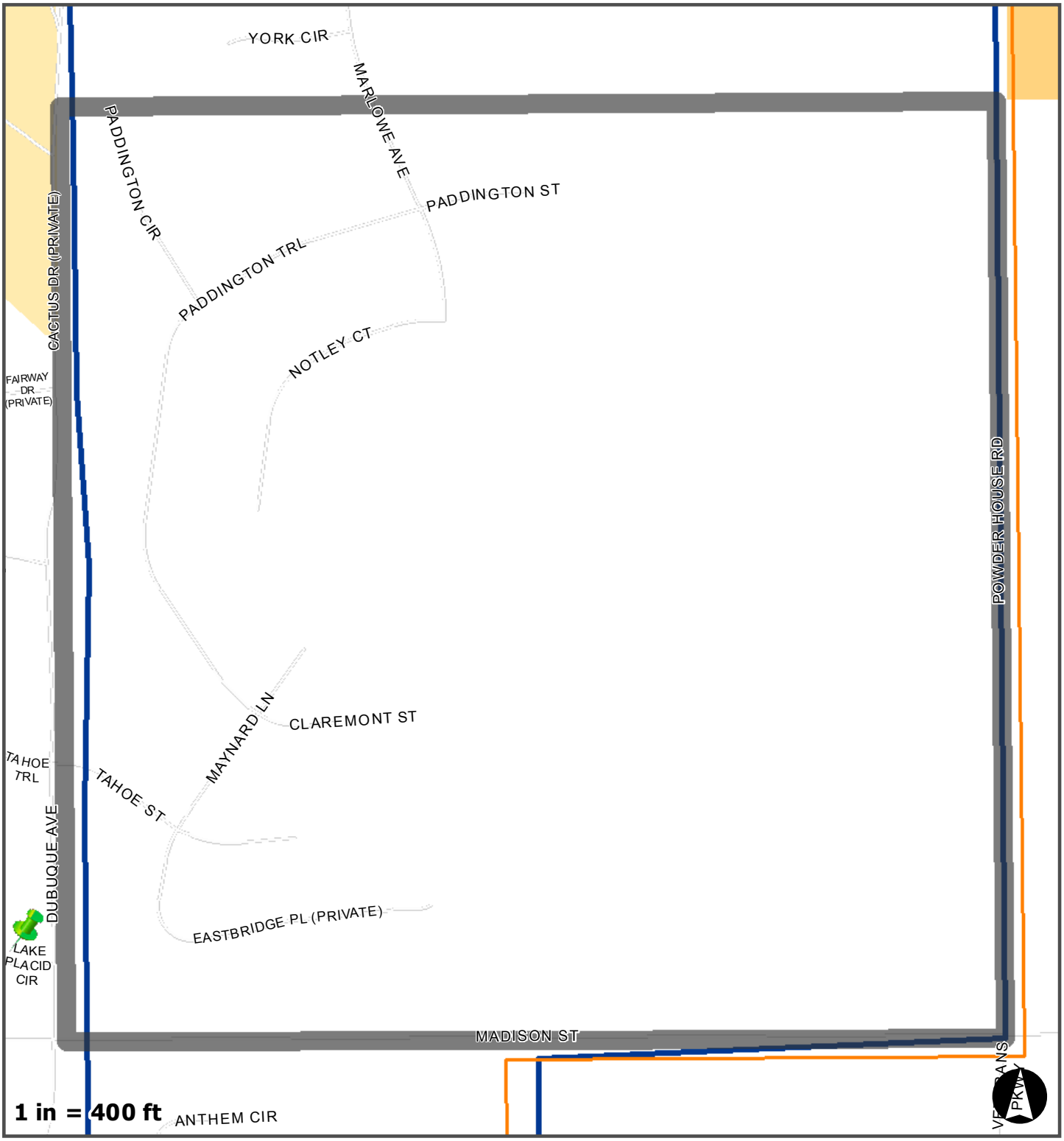
Major Gas Line

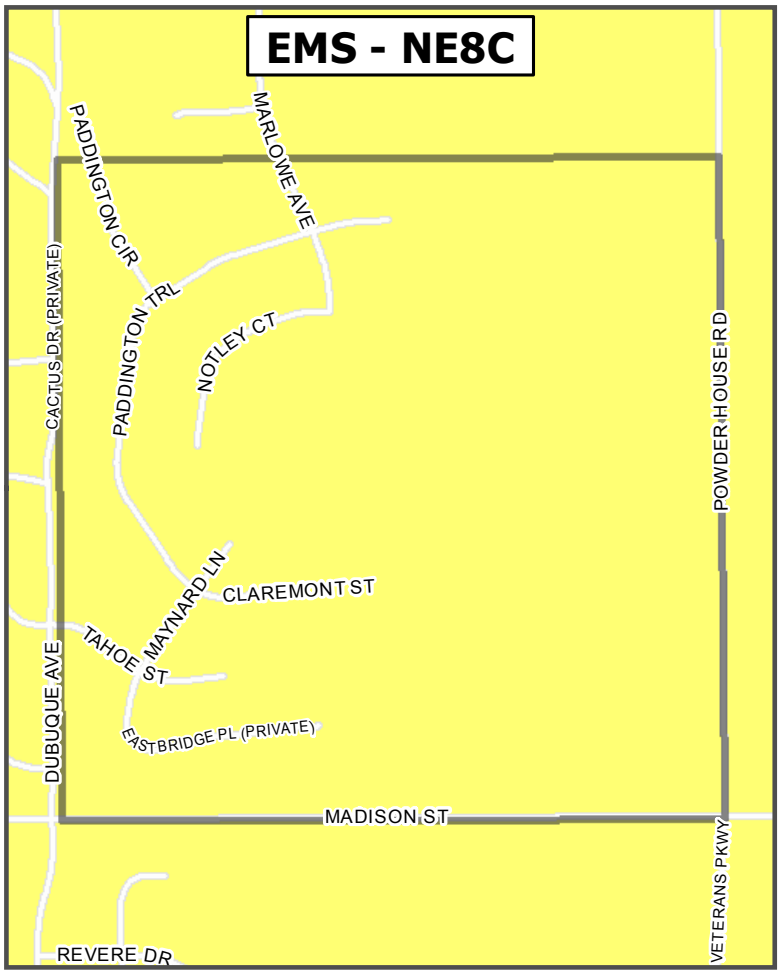
Floodplain

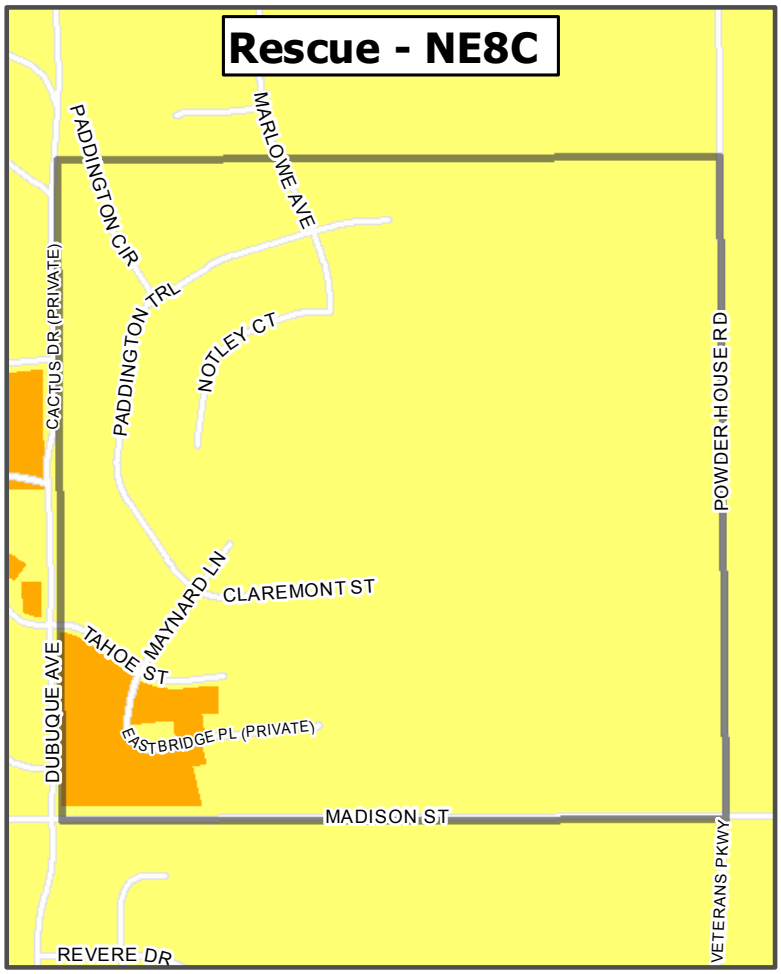
0.2 percent Annual Chance

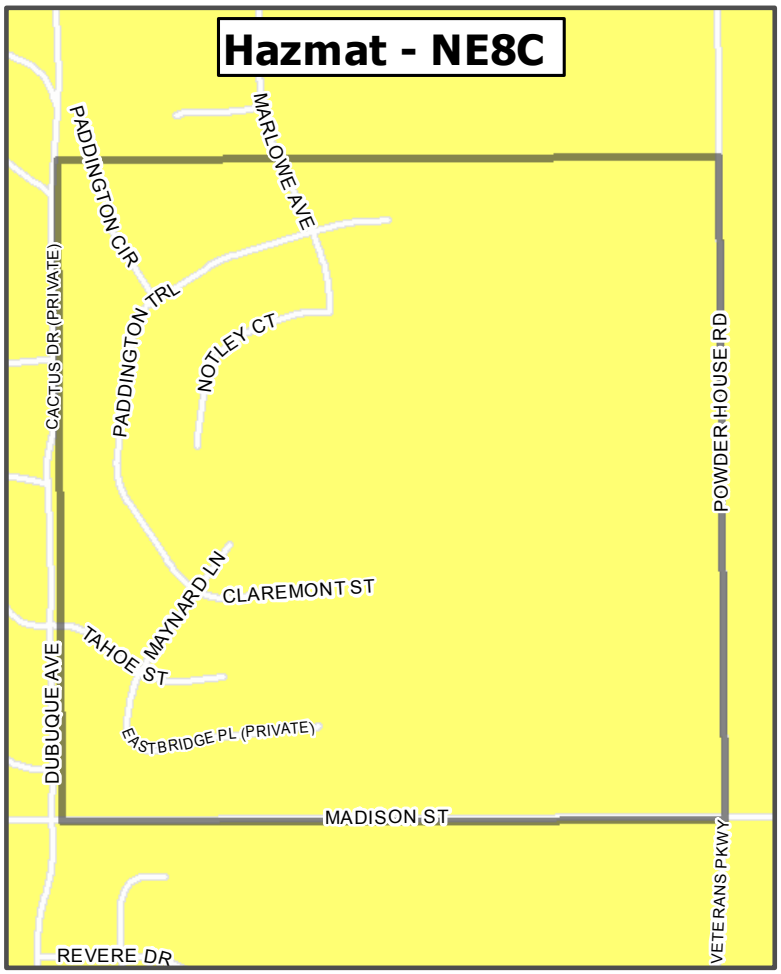
1 percent Annual Chance

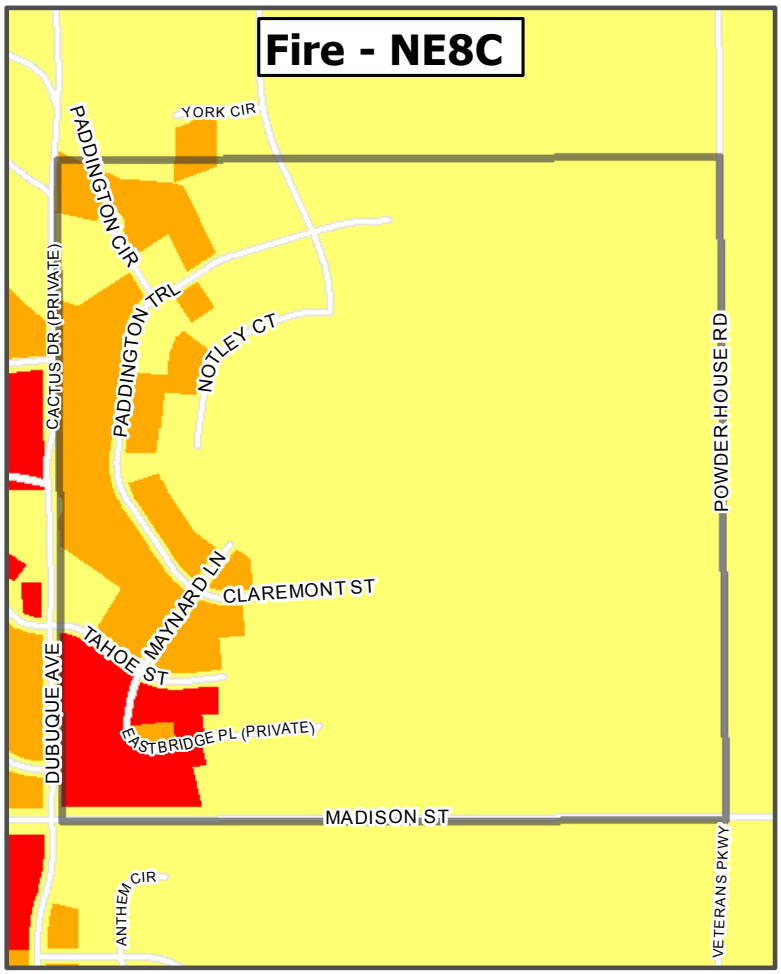












Low | Moderate | High | Special

1 inch = 768 feet

2015 Hazard/Risk Analysis by Planning Zones 8D

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
CHRISTIAN CENTER SCHOOL	Type 1	School
ROOSEVELT HIGH SCHOOL	Type 1	School
OSCAR HOWE ELEMENTARY Kuehn Community Center	Type 1	School

NE8D

Fire

Rescue

HazMat

EMS

SUB Substation

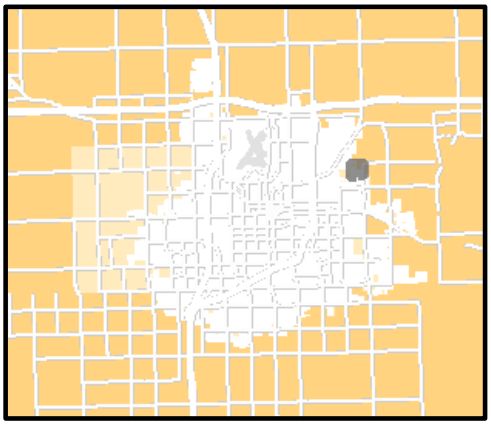
Transmission Line

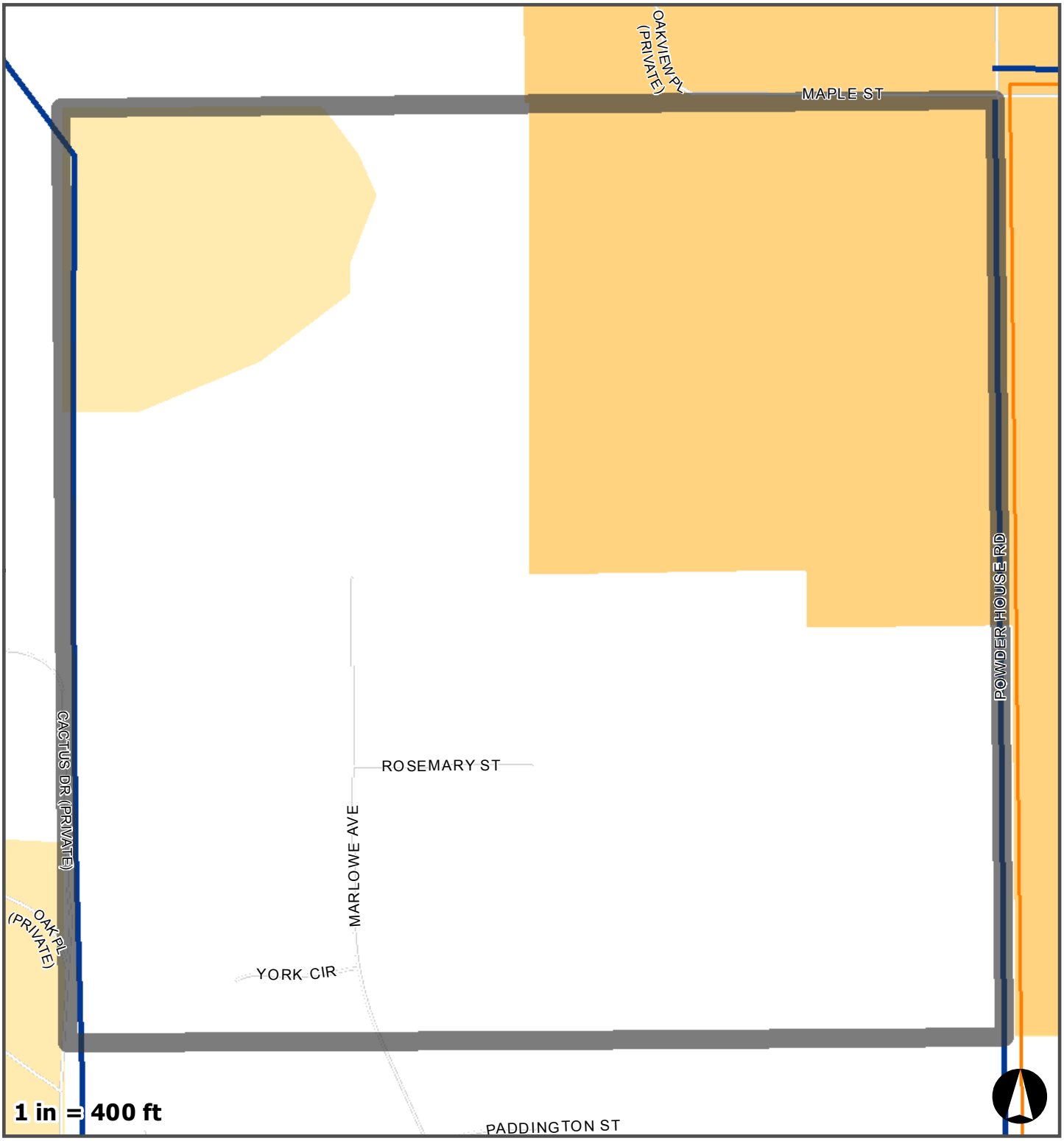
Major Gas Line

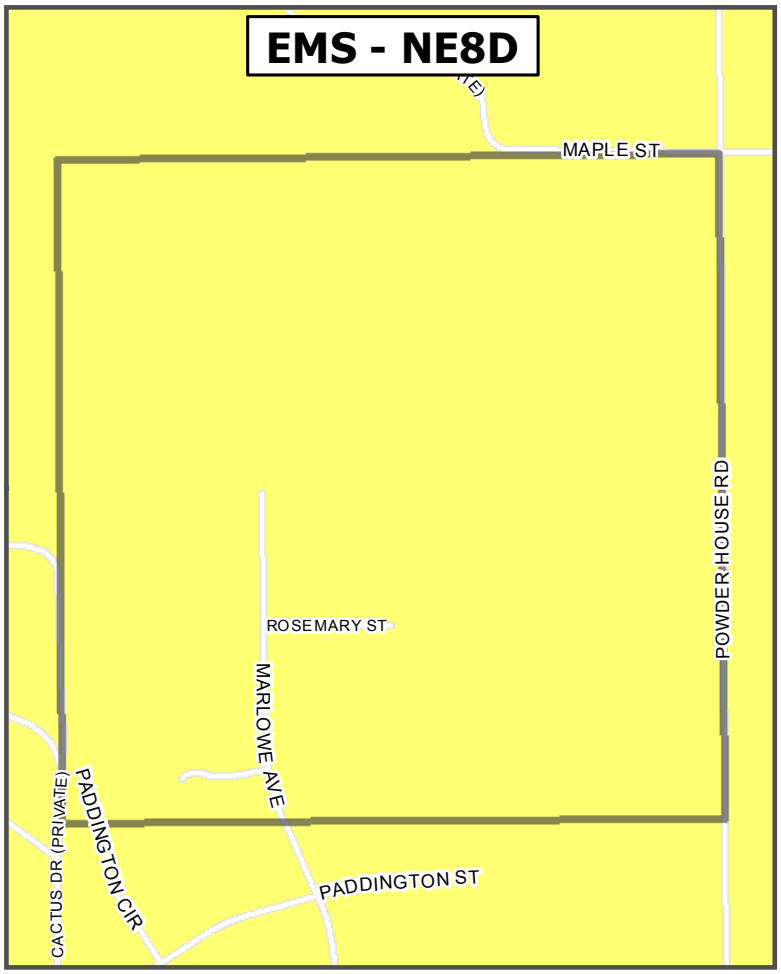
Floodplain

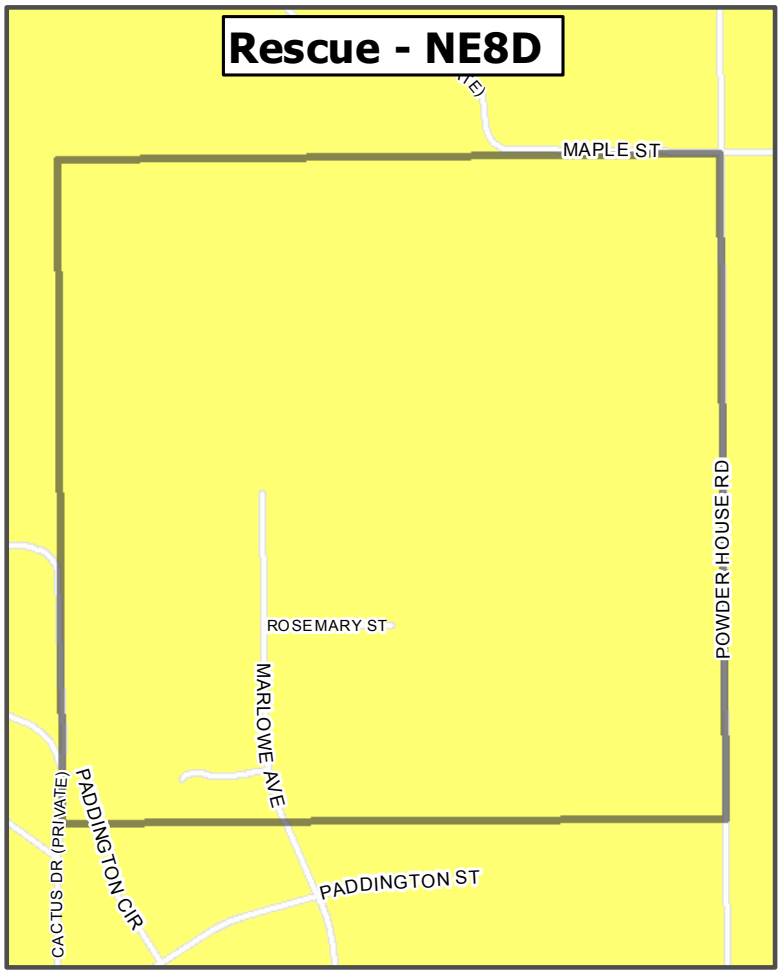
0.2 percent Annual Chance

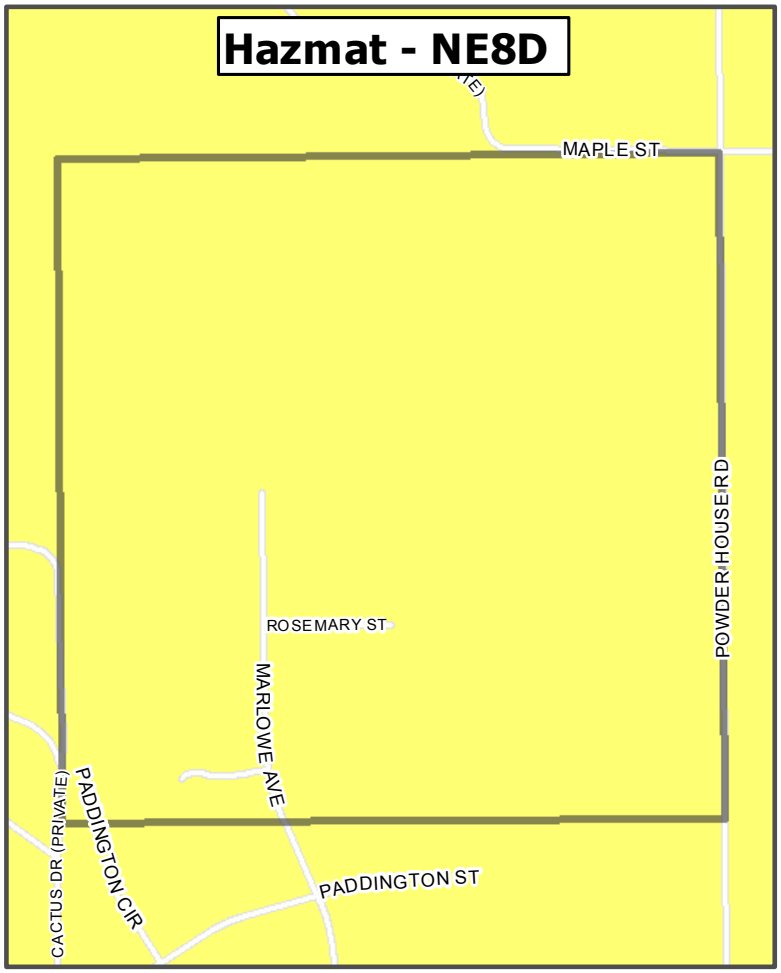
1 percent Annual Chance

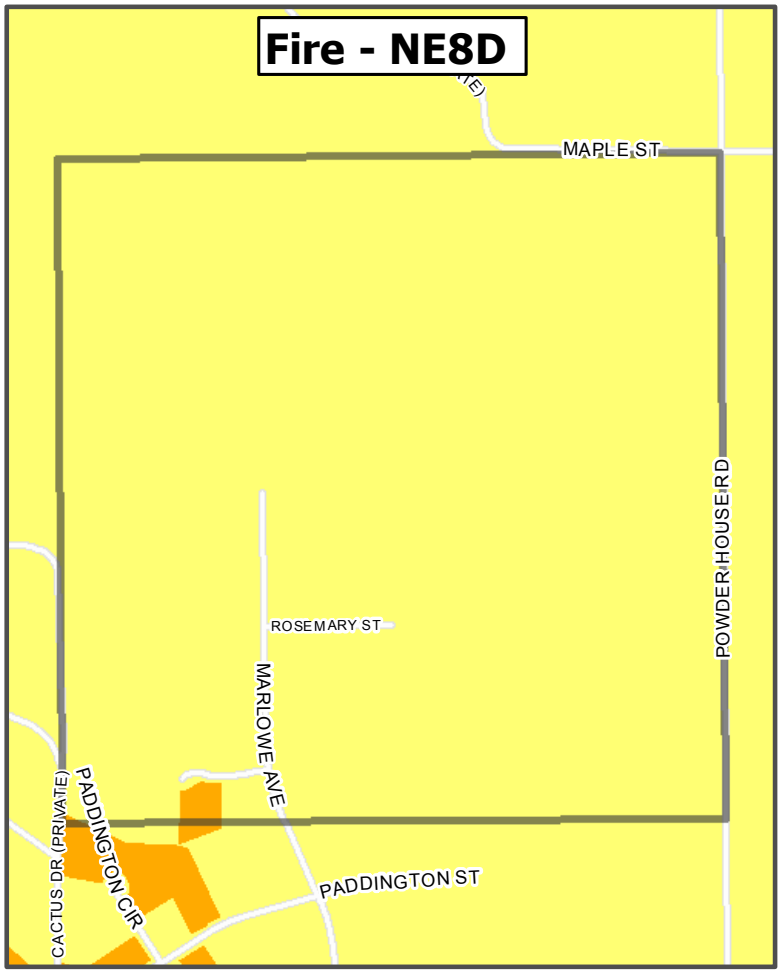












Low | Moderate | High | Special

1 inch = 766 feet

2015 Hazard/Risk Analysis by Planning Zones 8E

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy

NE8E

Fire

Rescue

HazMat

EMS

SUB Substation

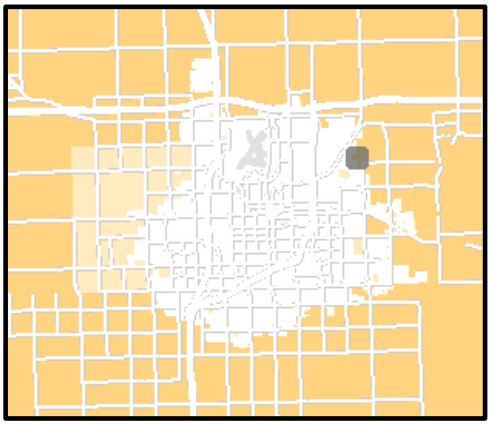
Transmission Line

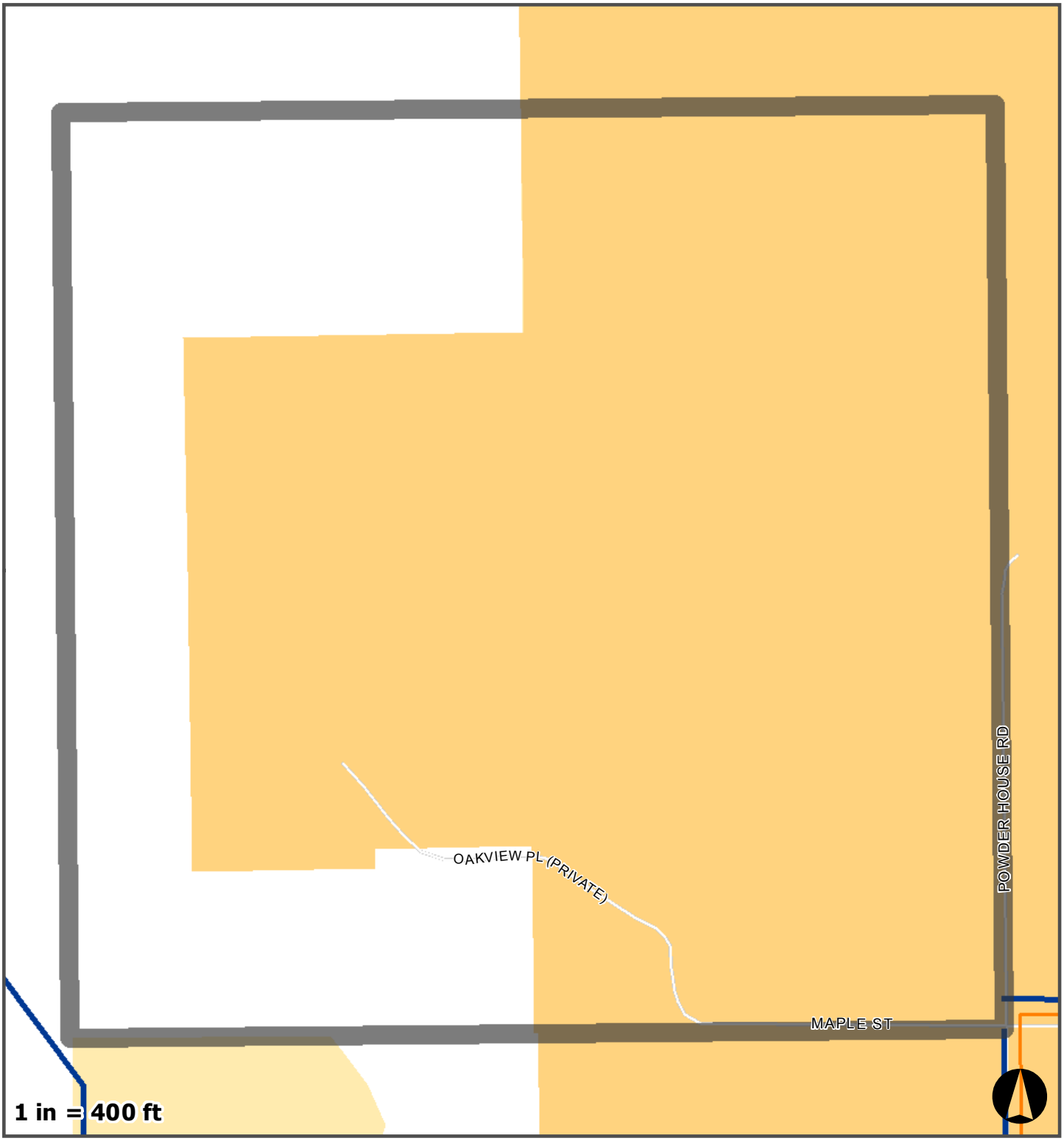
Major Gas Line

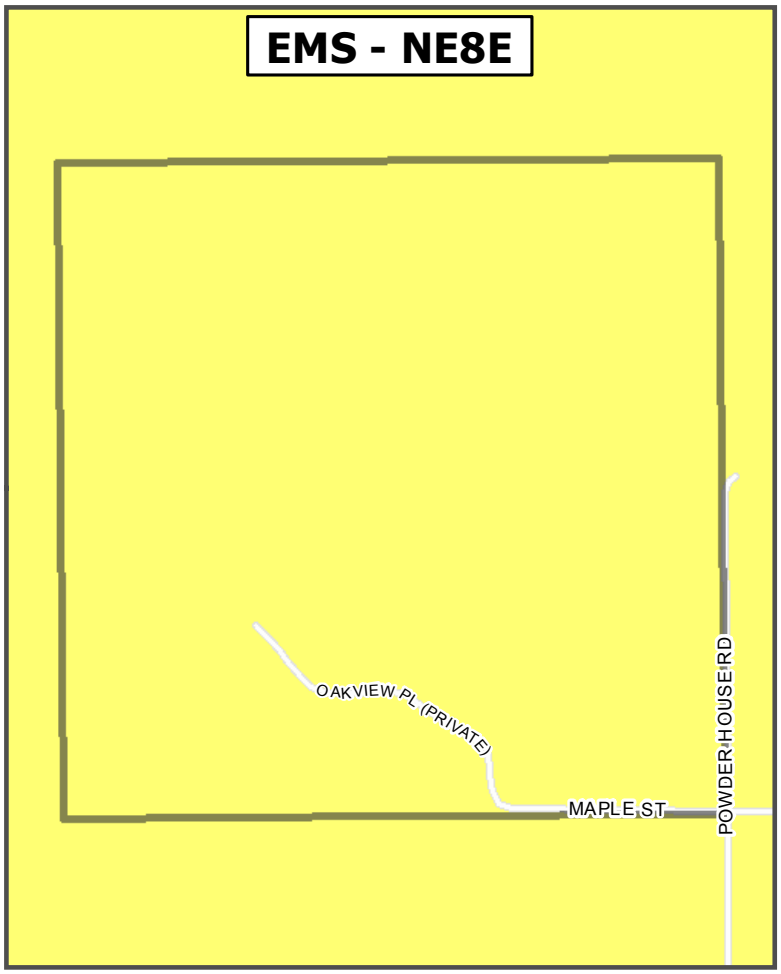
Floodplain

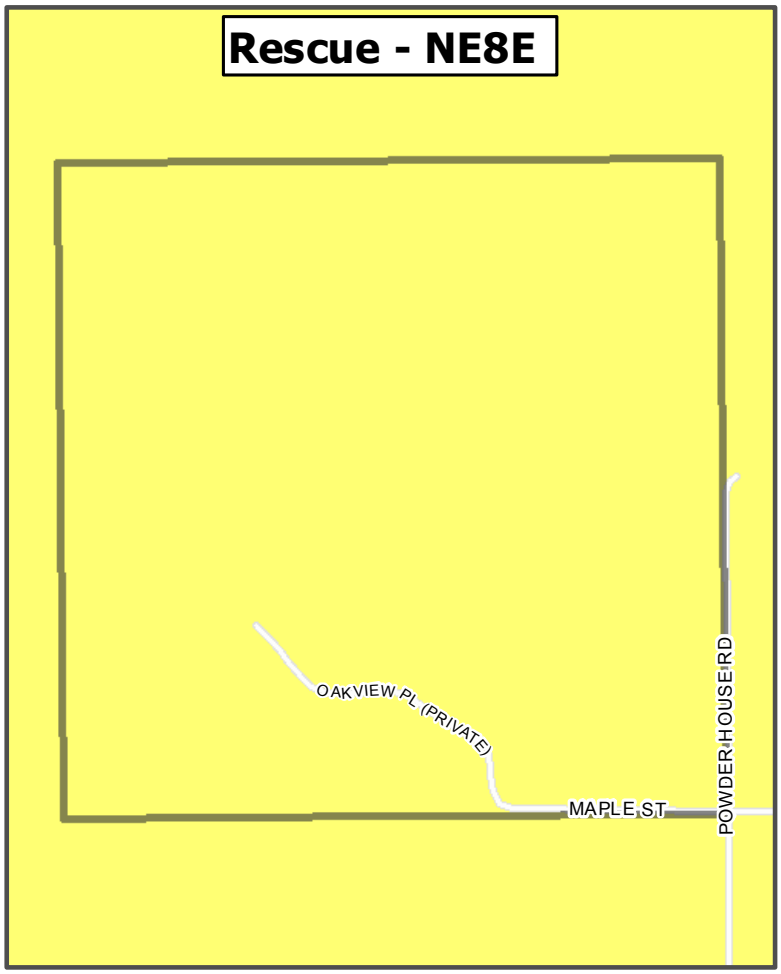
0.2 percent Annual Chance

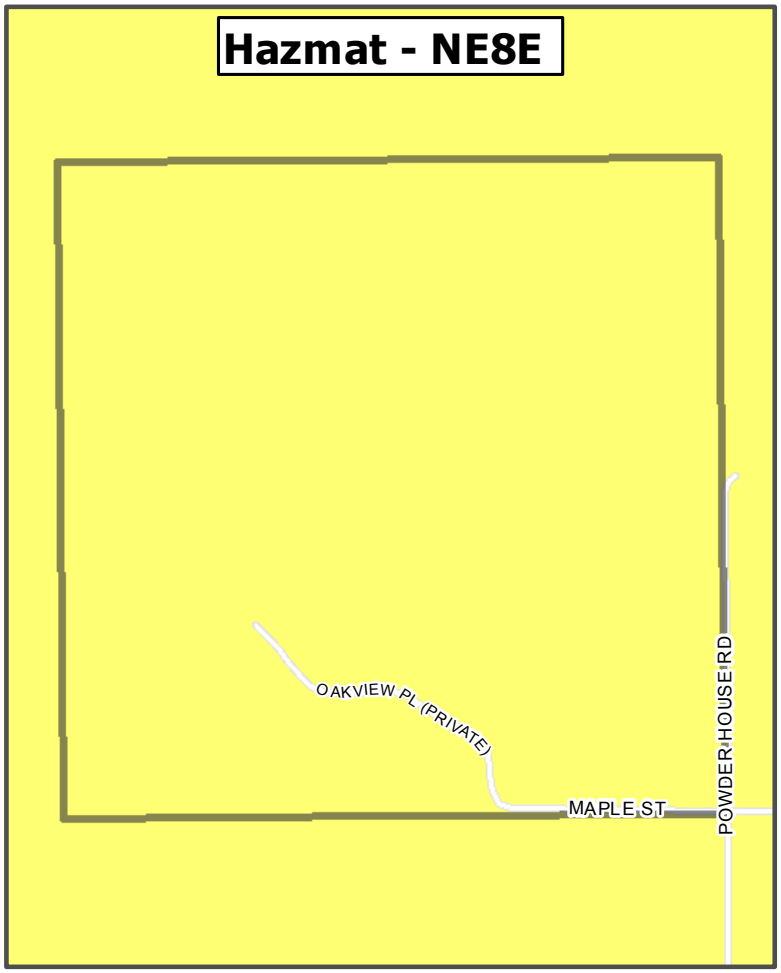
1 percent Annual Chance

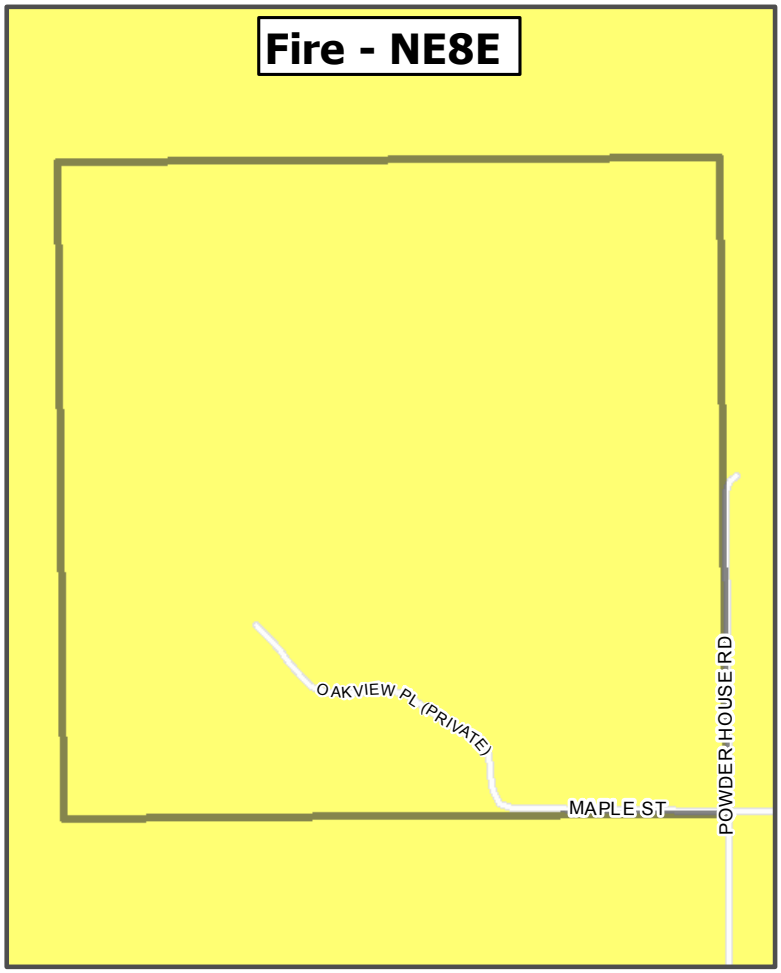












Low Moderate High Special

1 inch = 766 feet

2015 Hazard/Risk Analysis by Planning Zones 8F

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	1
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
JFK ELEMENTARY	Type 1	School

NE8F

Fire

Rescue

HazMat

EMS

SUB Substation

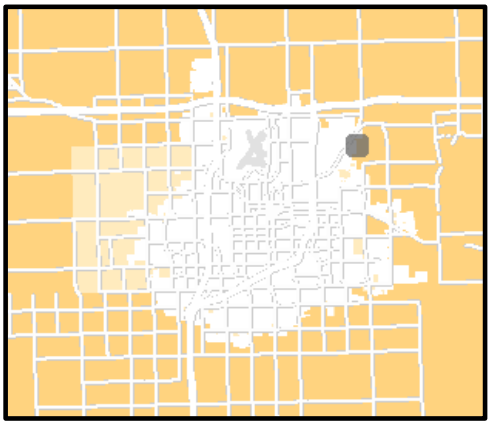
Transmission Line

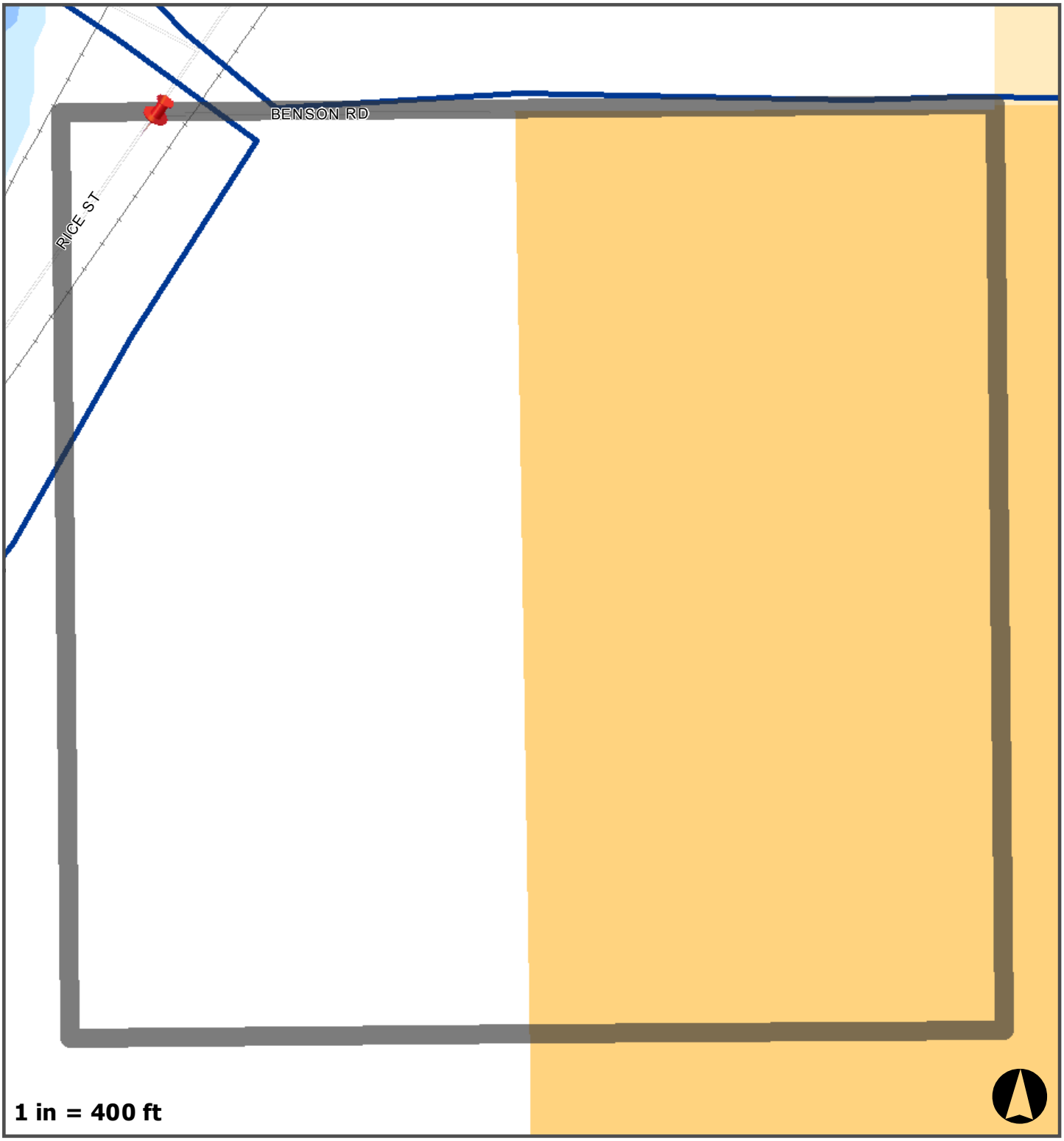
Major Gas Line

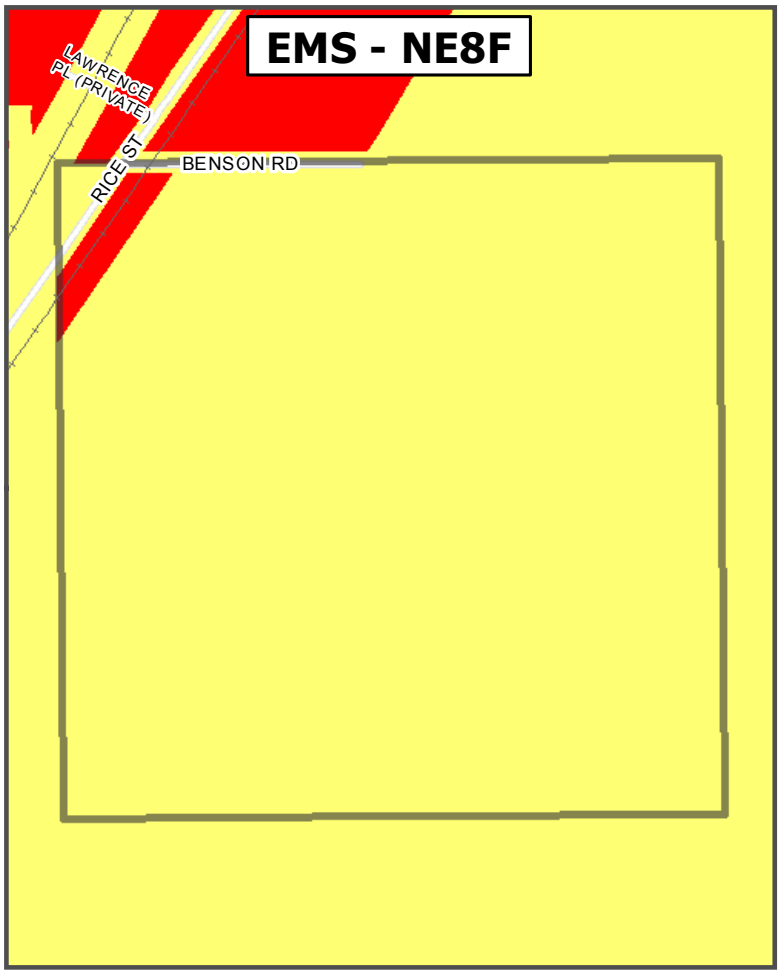
Floodplain

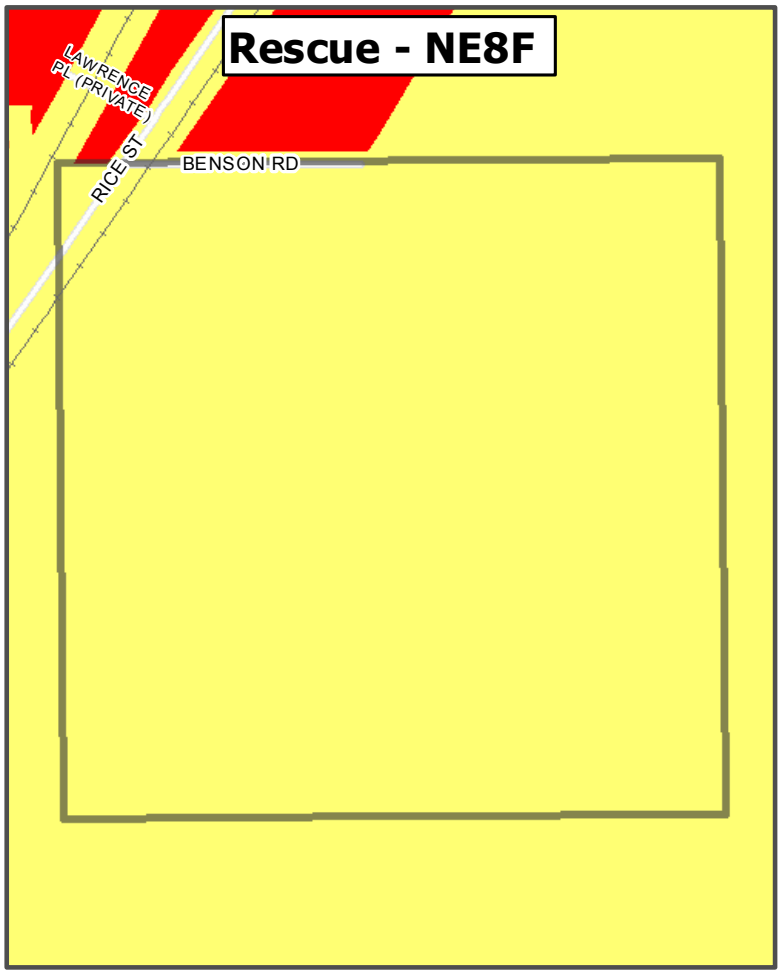
0.2 percent Annual Chance

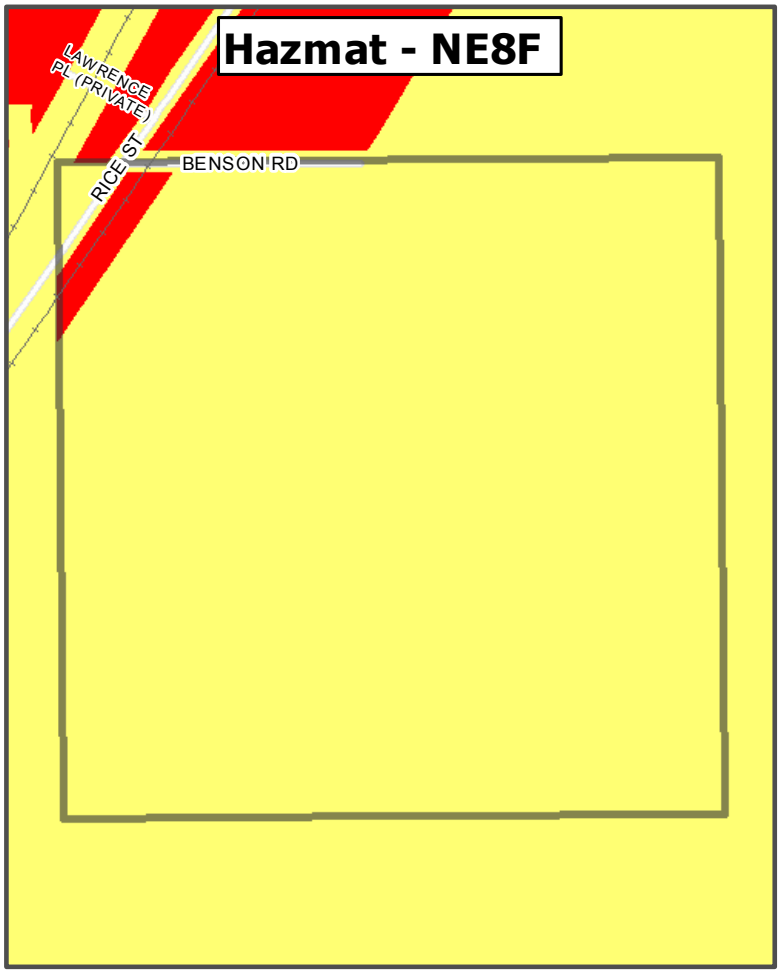
1 percent Annual Chance

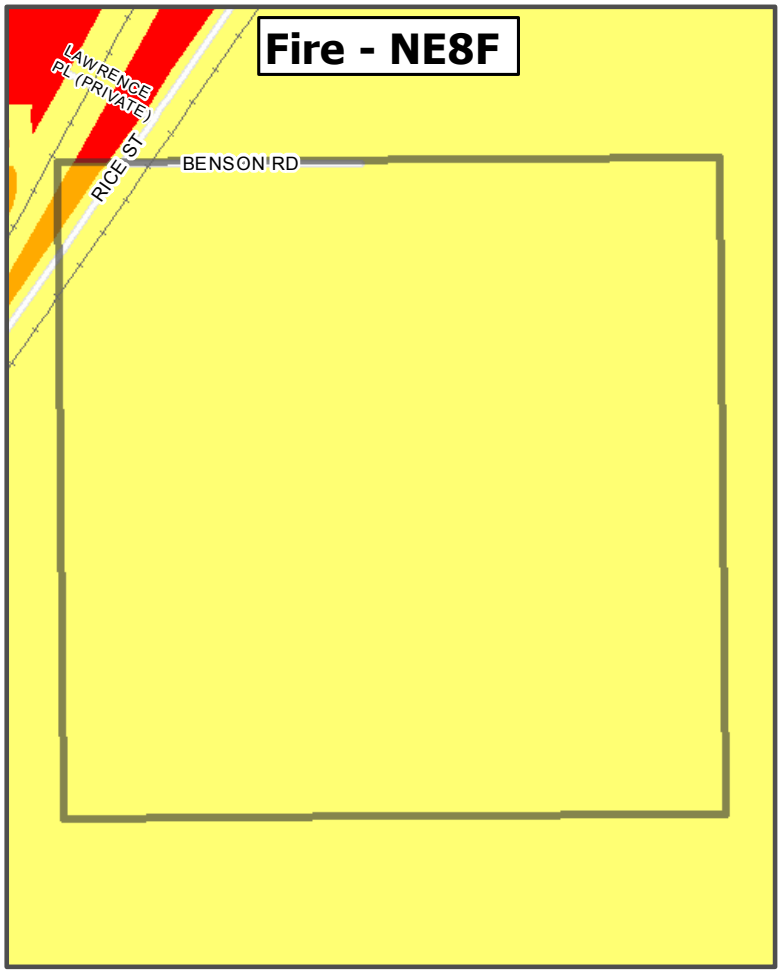












Low | Moderate | High | Special

1 inch = 766 feet

2015 Hazard/Risk Analysis by Planning Zones 8G

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	2
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Pipeline intersects this quadrant		

NE8G

Fire

Rescue

HazMat

EMS

SUB Substation

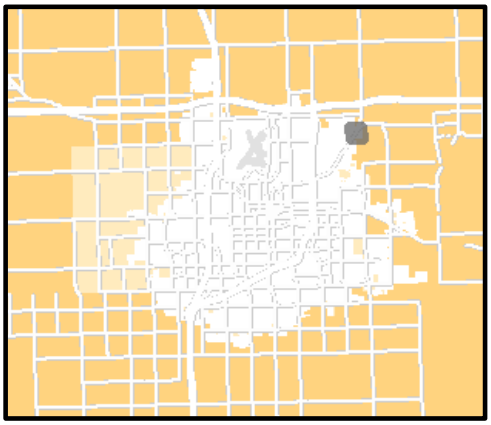
Transmission Line

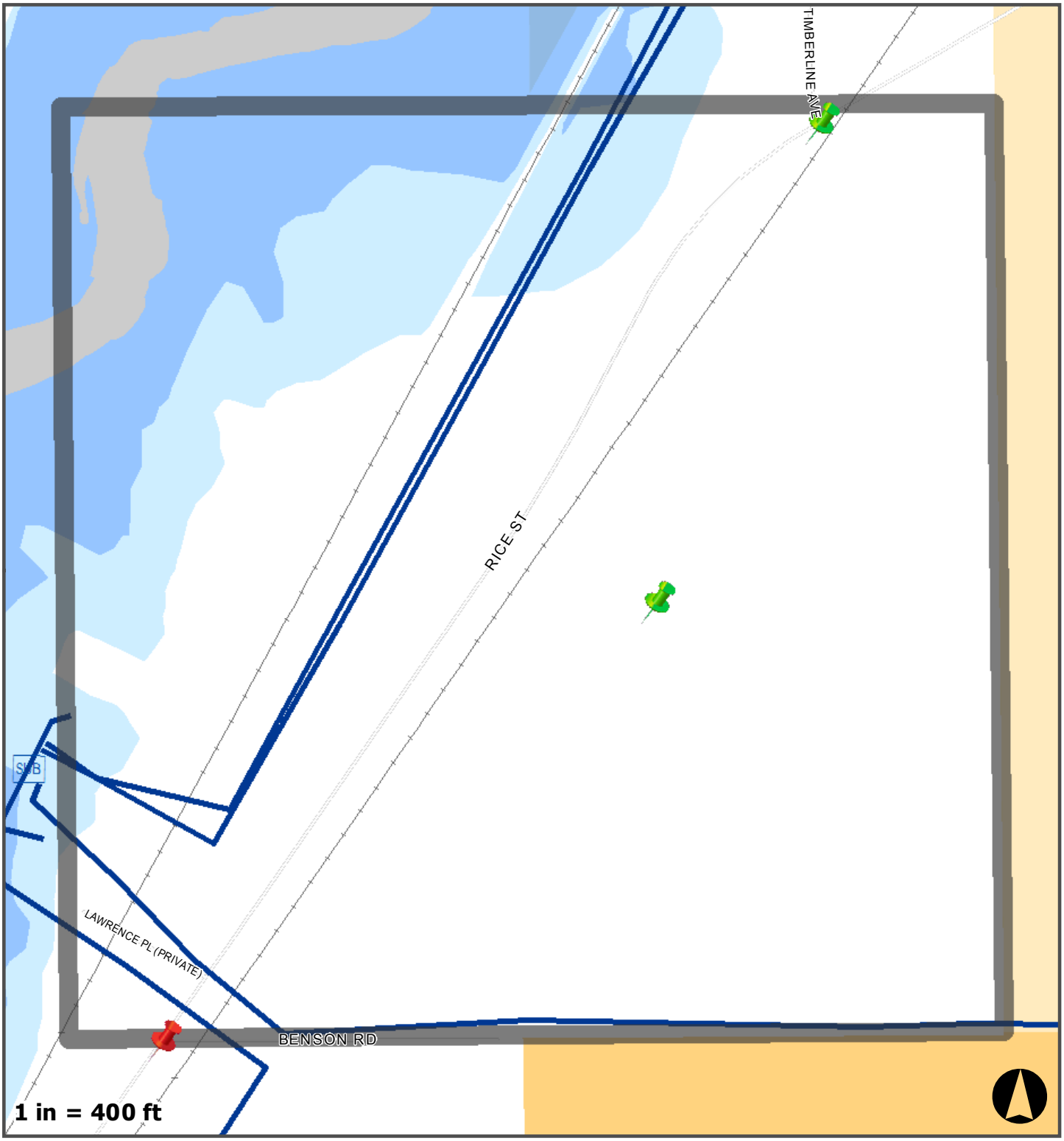
Major Gas Line

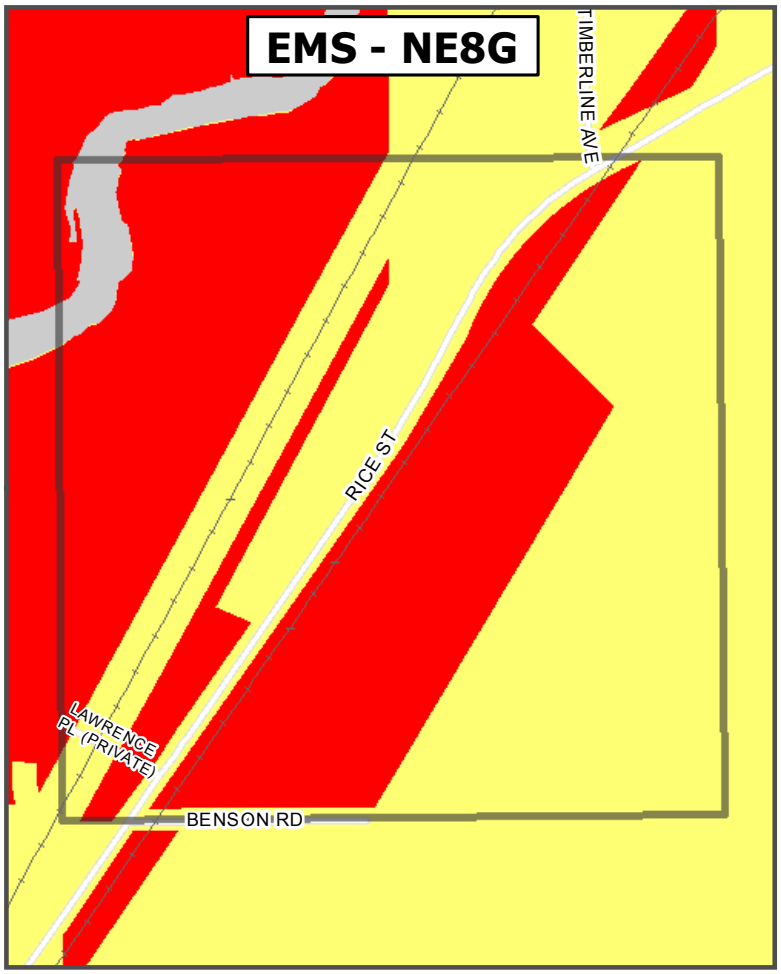
Floodplain

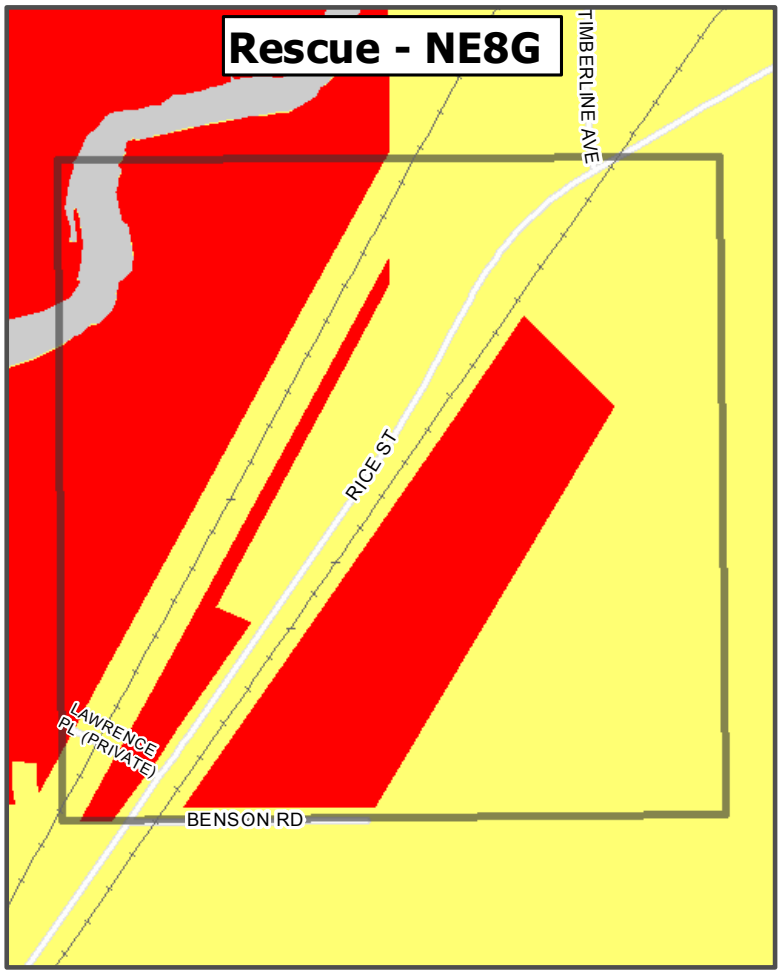
0.2 percent Annual Chance

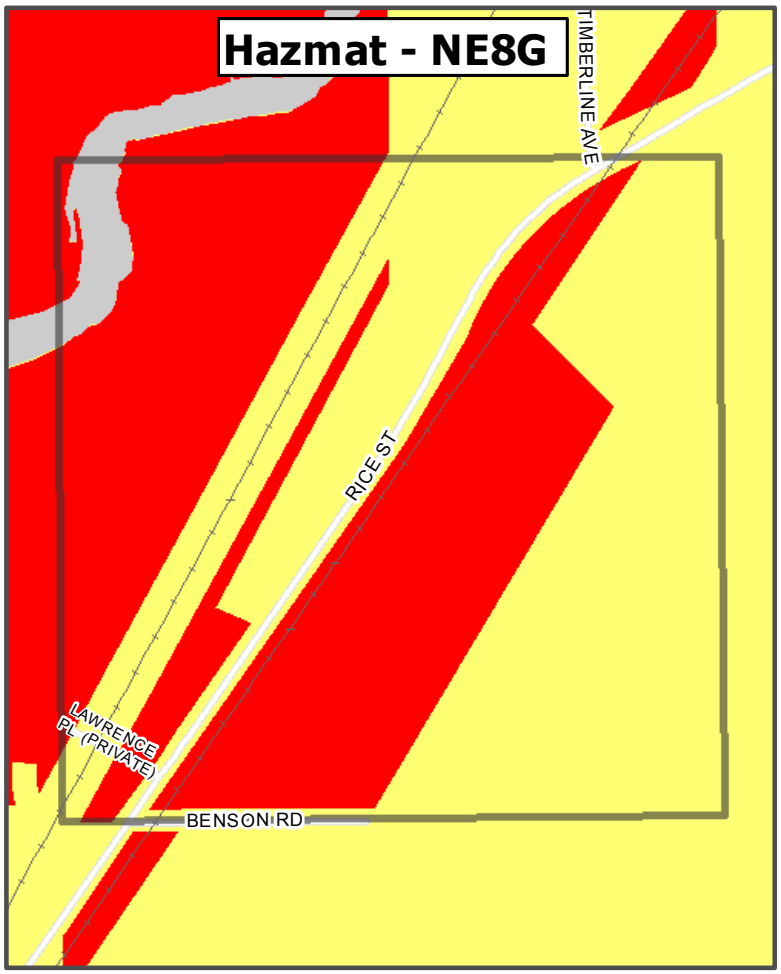
1 percent Annual Chance

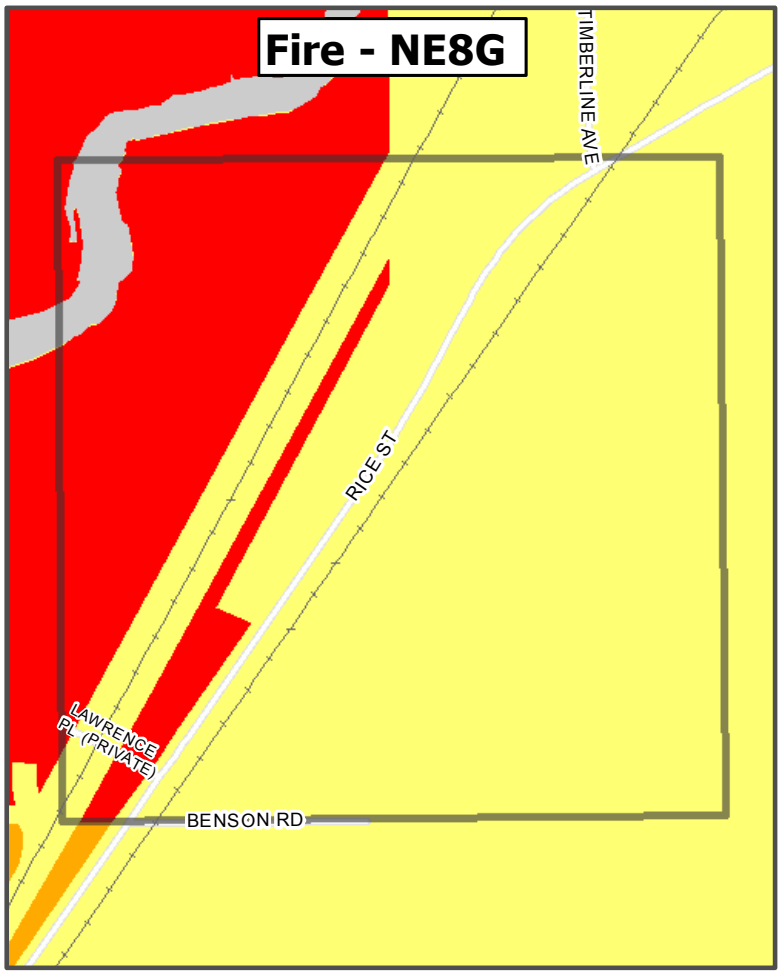












Low | Moderate | High | Special

1 inch = 766 feet

2015 Hazard/Risk Analysis by Planning Zones 8H

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Pipeline intersects this quadrant		

NE8H

Fire

Rescue

HazMat

EMS

SUB Substation

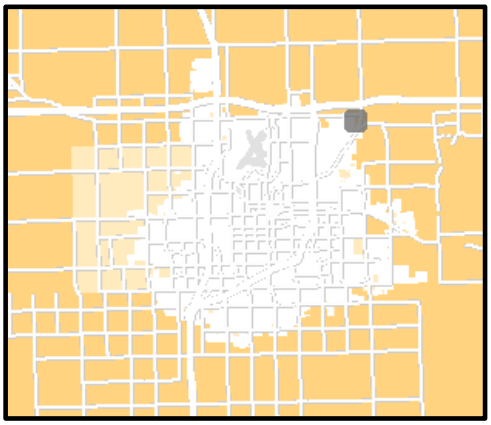
Transmission Line

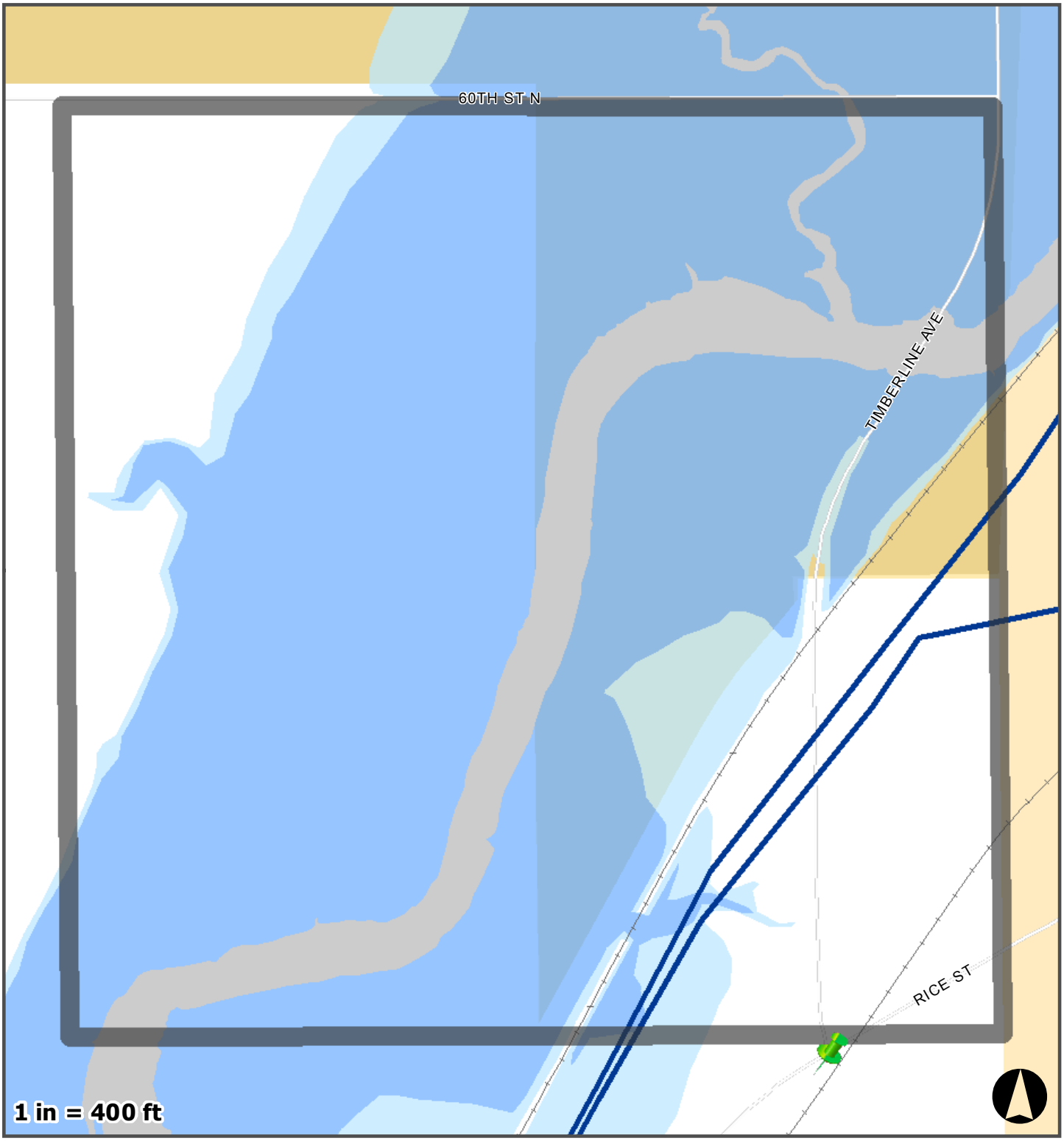
Major Gas Line

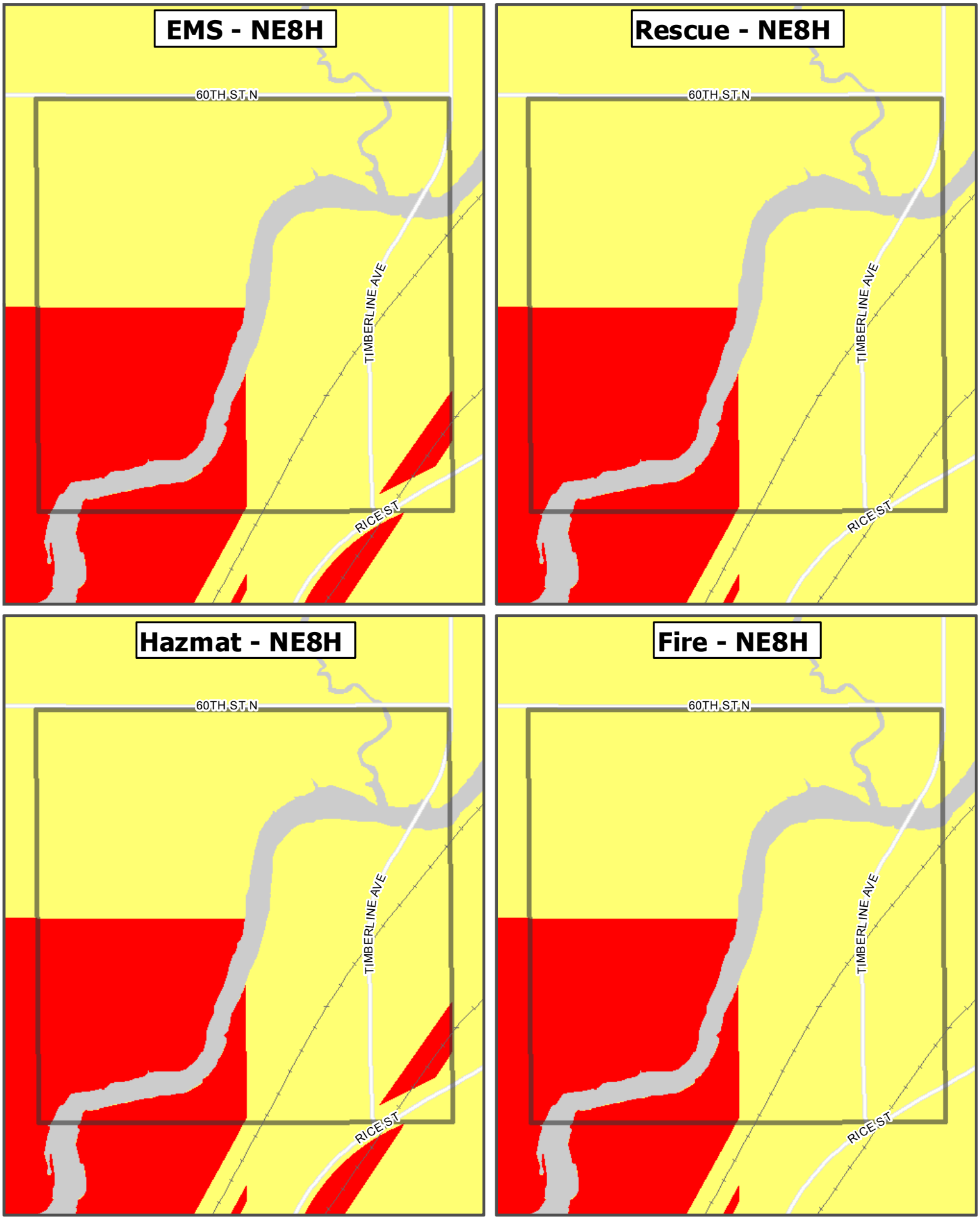
Floodplain

0.2 percent Annual Chance

1 percent Annual Chance







Low Moderate High Special

1 inch = 765 feet

2015 Hazard/Risk Analysis by Planning Zones 8I

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Interstate highway intersects this quadrant		

NE8I

Fire

Rescue

HazMat

EMS

SUB Substation

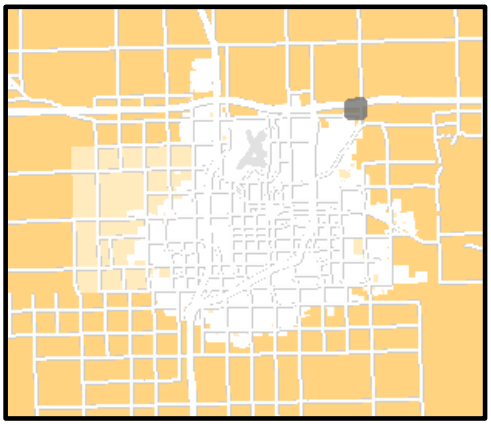
Transmission Line

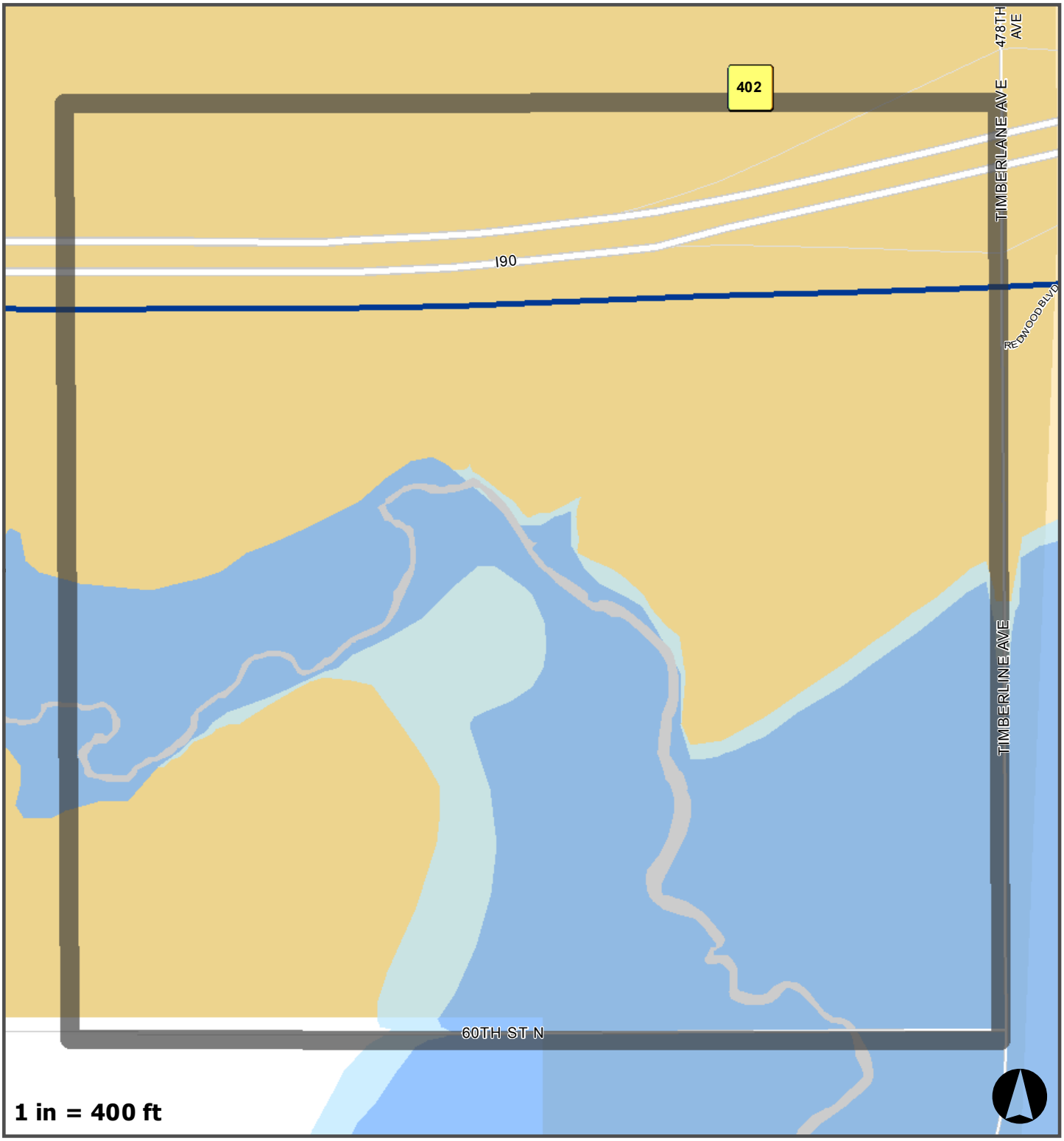
Major Gas Line

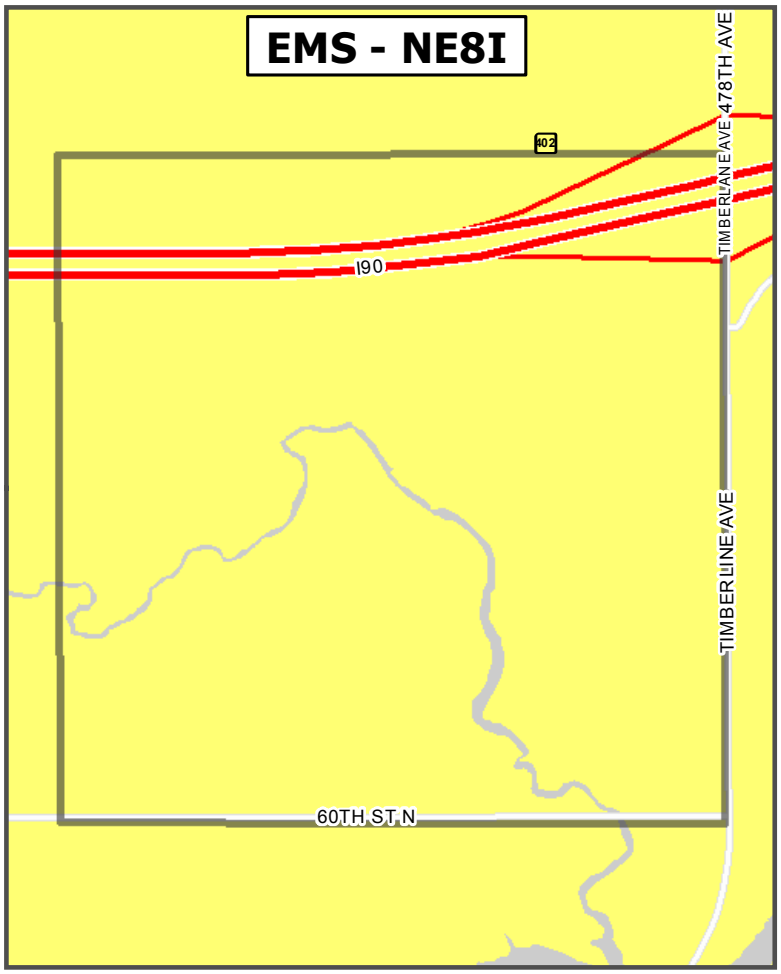
Floodplain

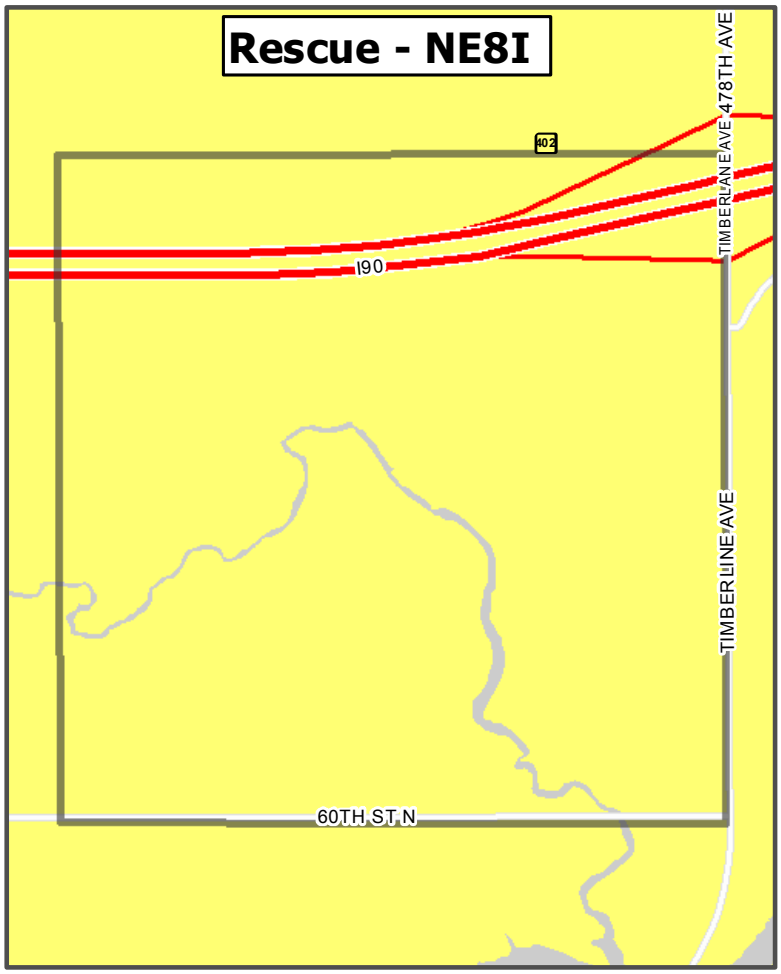
0.2 percent Annual Chance

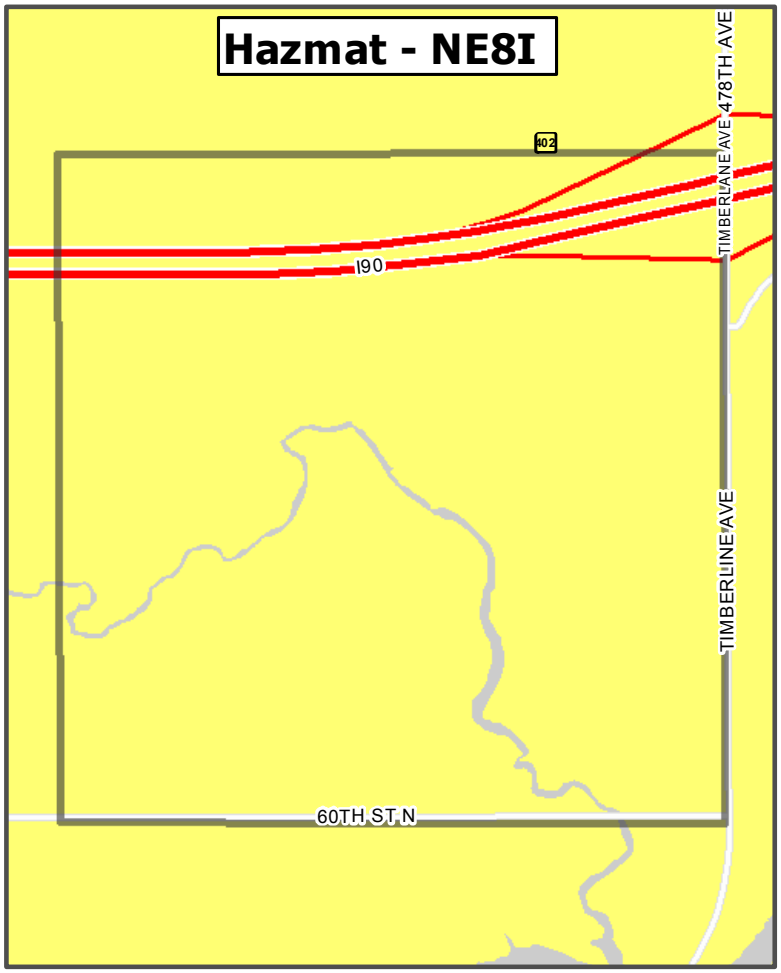
1 percent Annual Chance

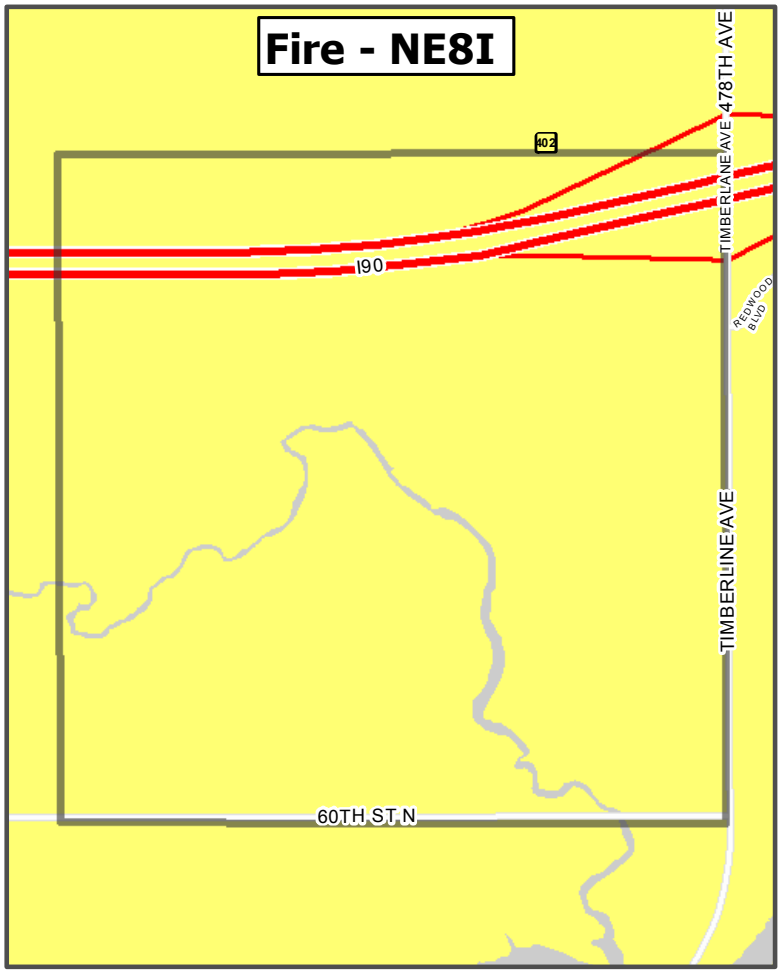












Low | Moderate | High | Special

1 inch = 761 feet

2015 Hazard/Risk Analysis by Planning Zones 9A

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 30% of this quadrant lies in the flood plain		

NE9A

Fire

Rescue

HazMat

EMS

SUB Substation

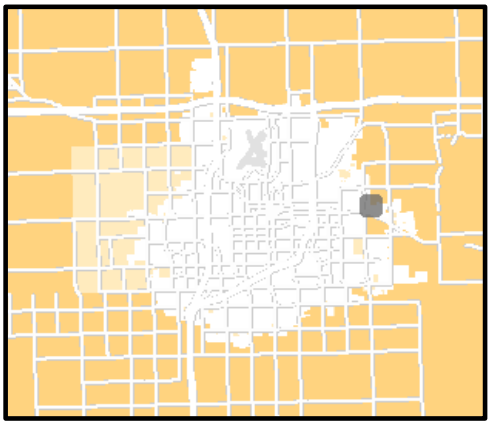
Transmission Line

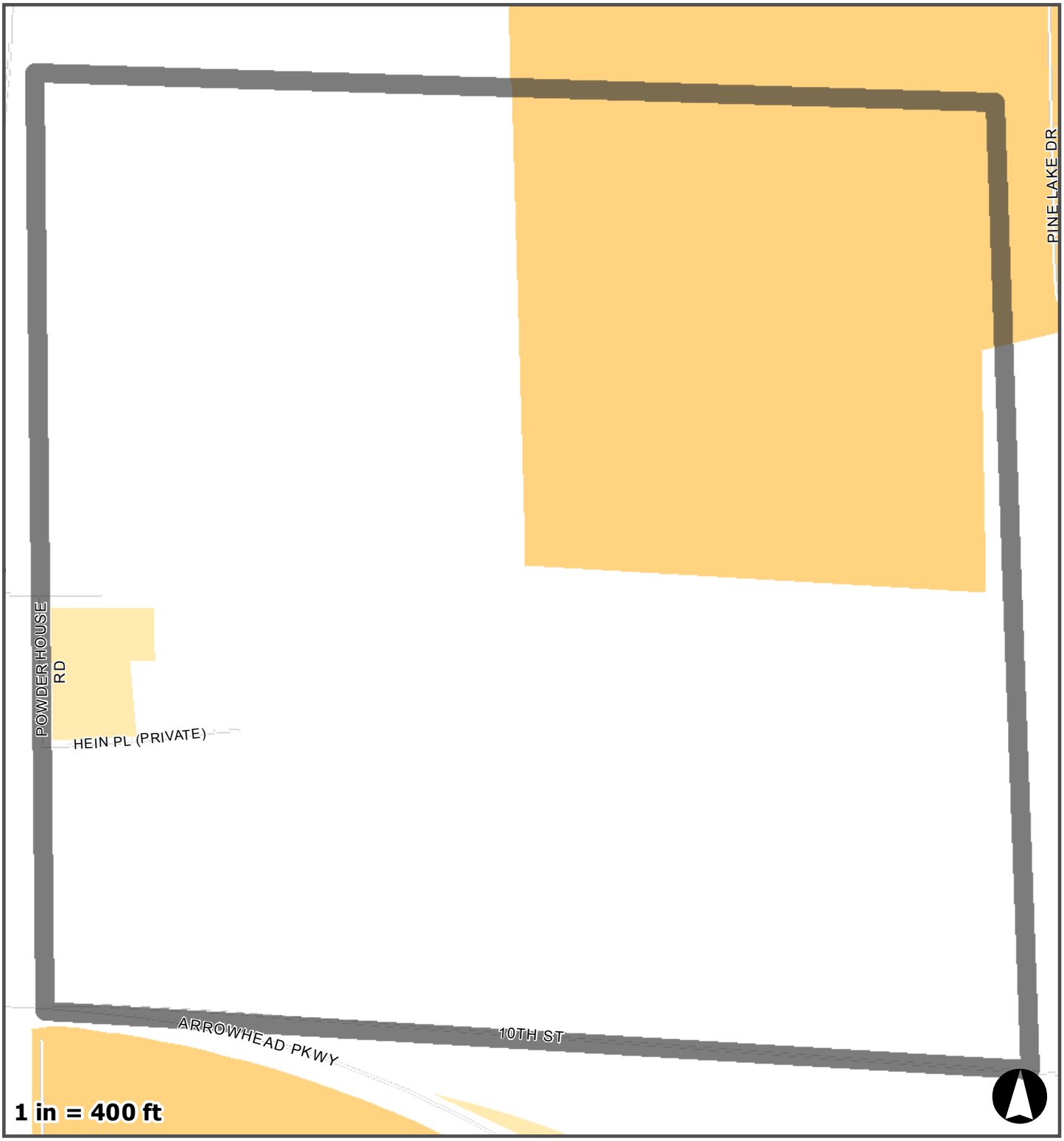
Major Gas Line

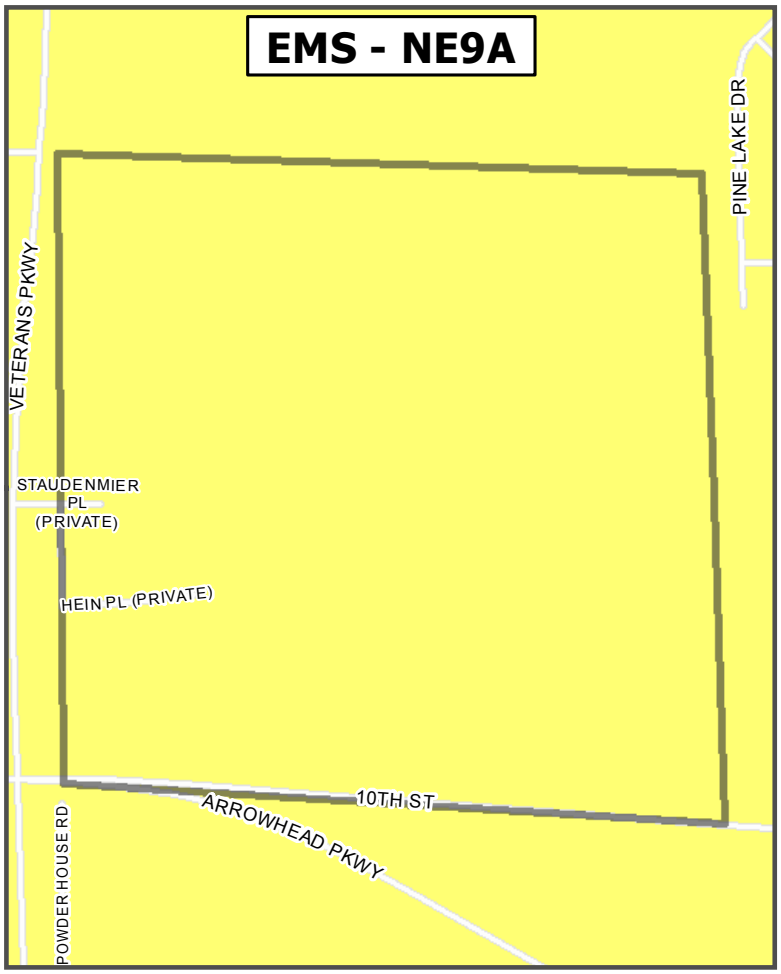
Floodplain

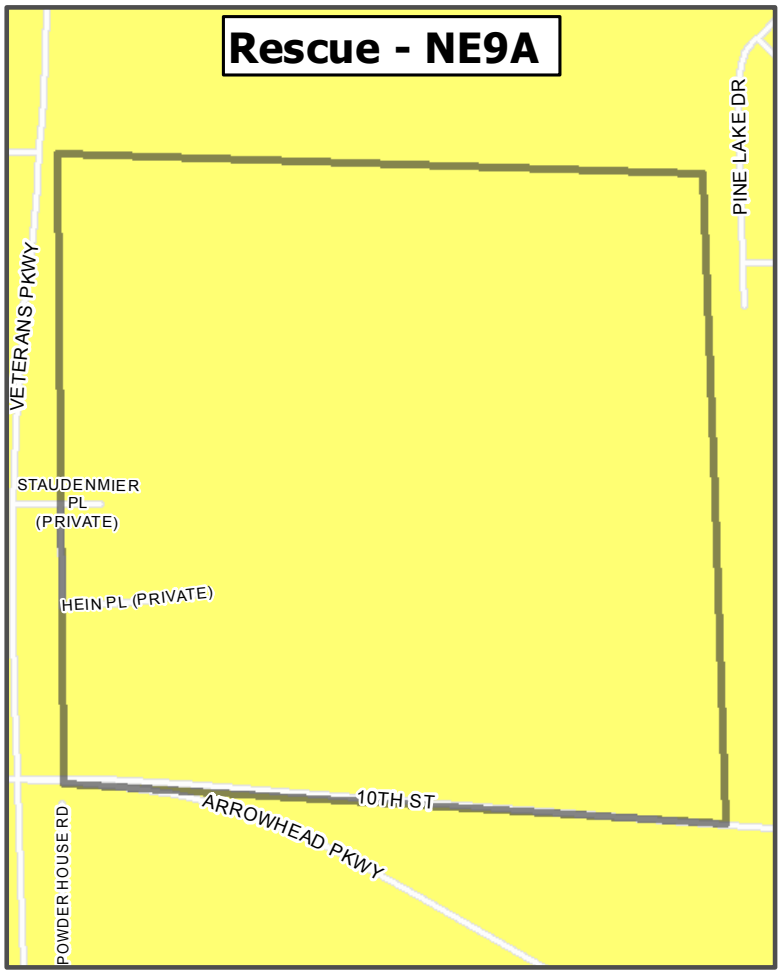
0.2 percent Annual Chance

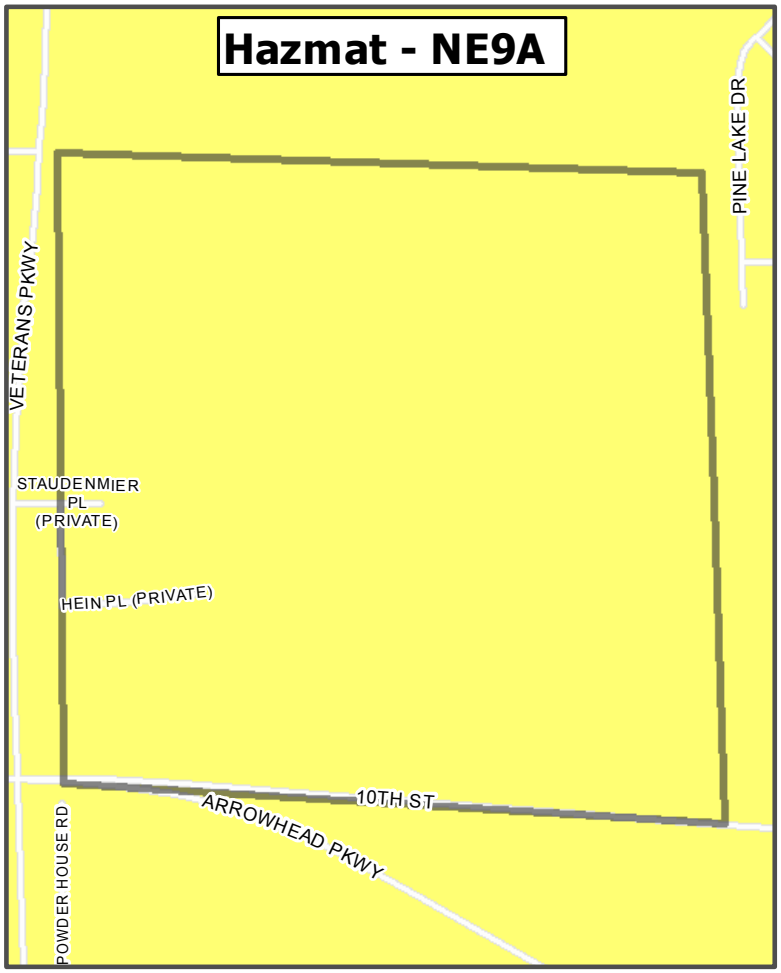
1 percent Annual Chance

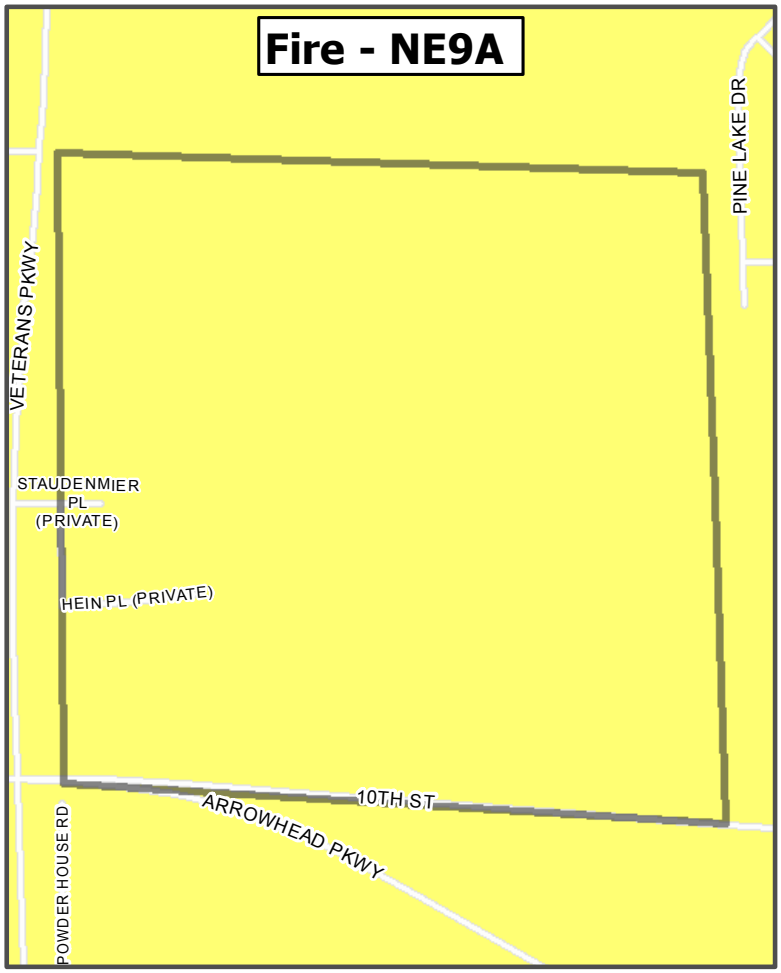












Low | Moderate | High | Special

1 inch = 809 feet

2015 Hazard/Risk Analysis by Planning Zones 9B

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
MEMORIAL MIDDLE SCHOOL	Type 1	School

NE9B

Fire

Rescue

HazMat

EMS

SUB Substation

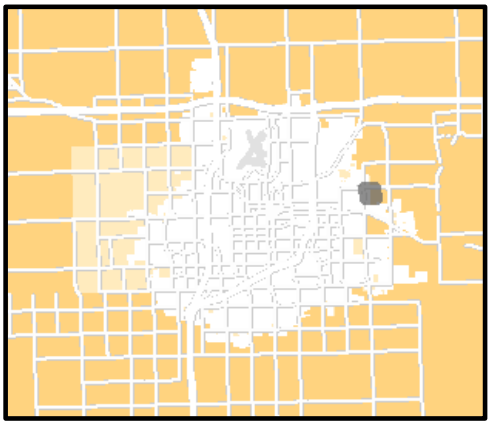
Transmission Line

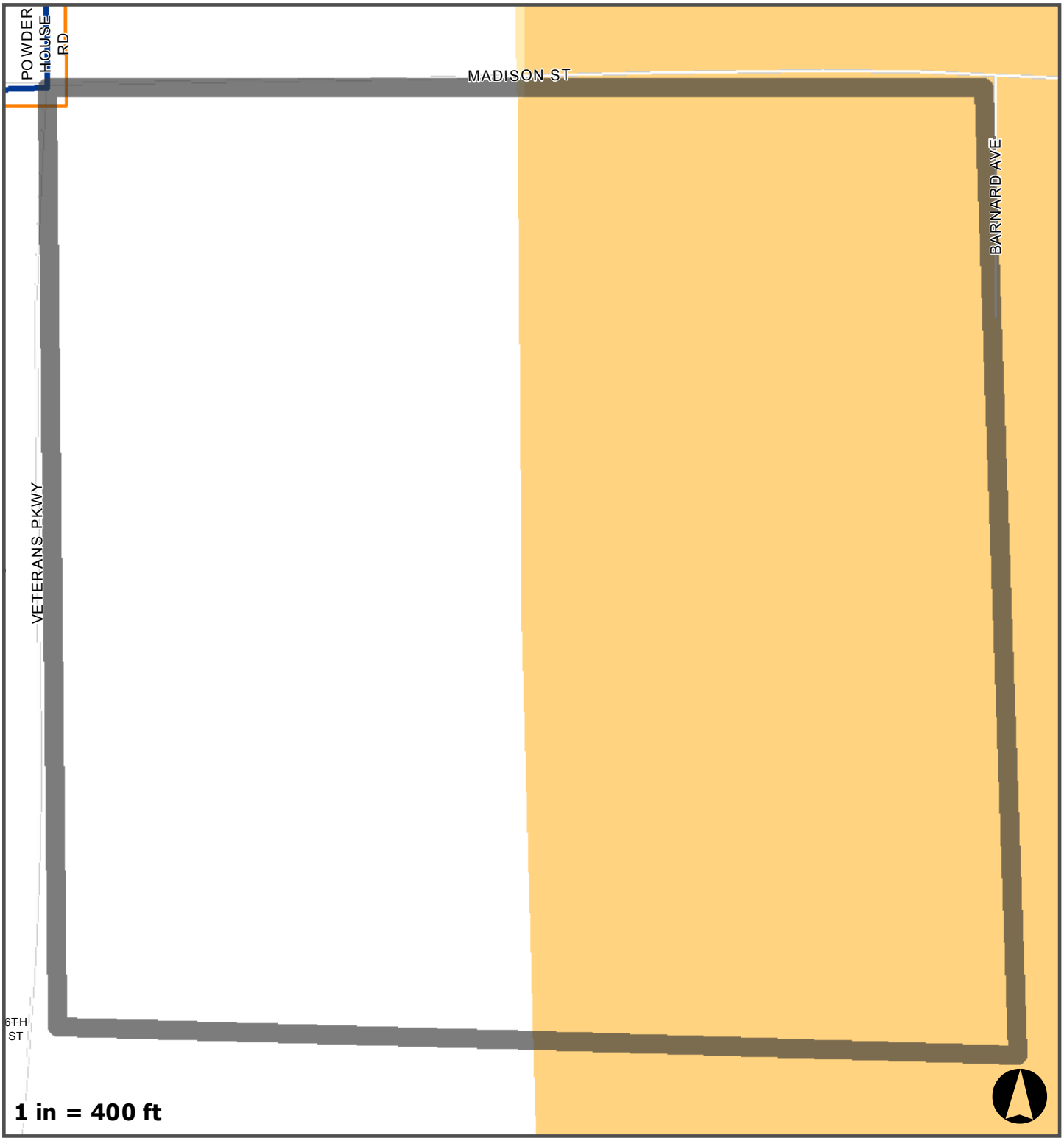
Major Gas Line

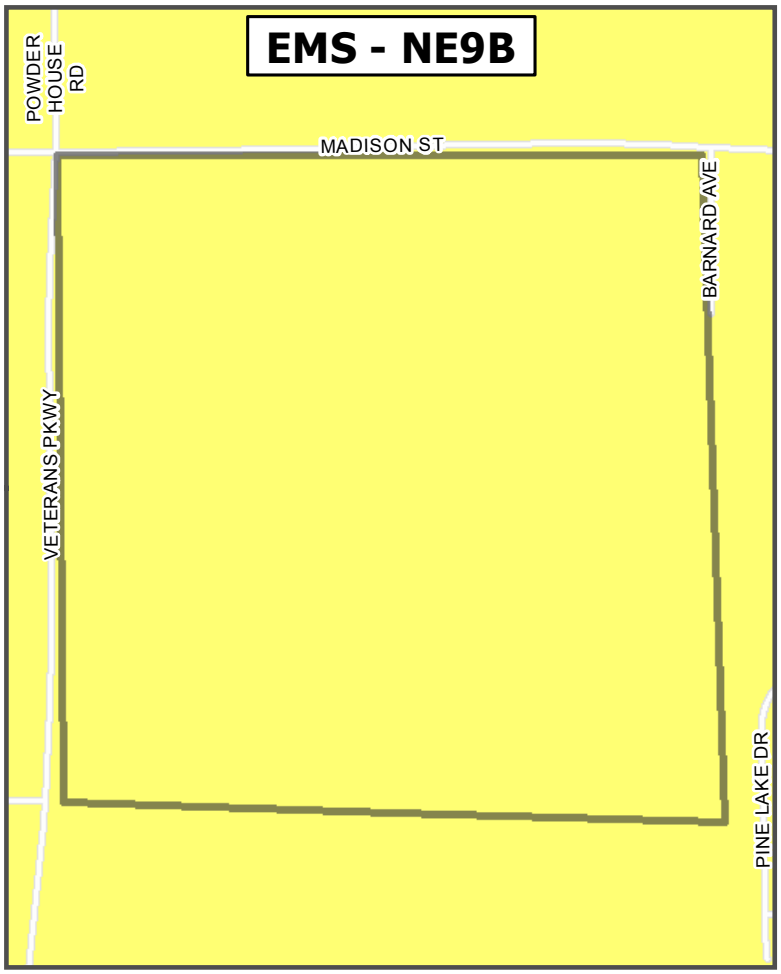
Floodplain

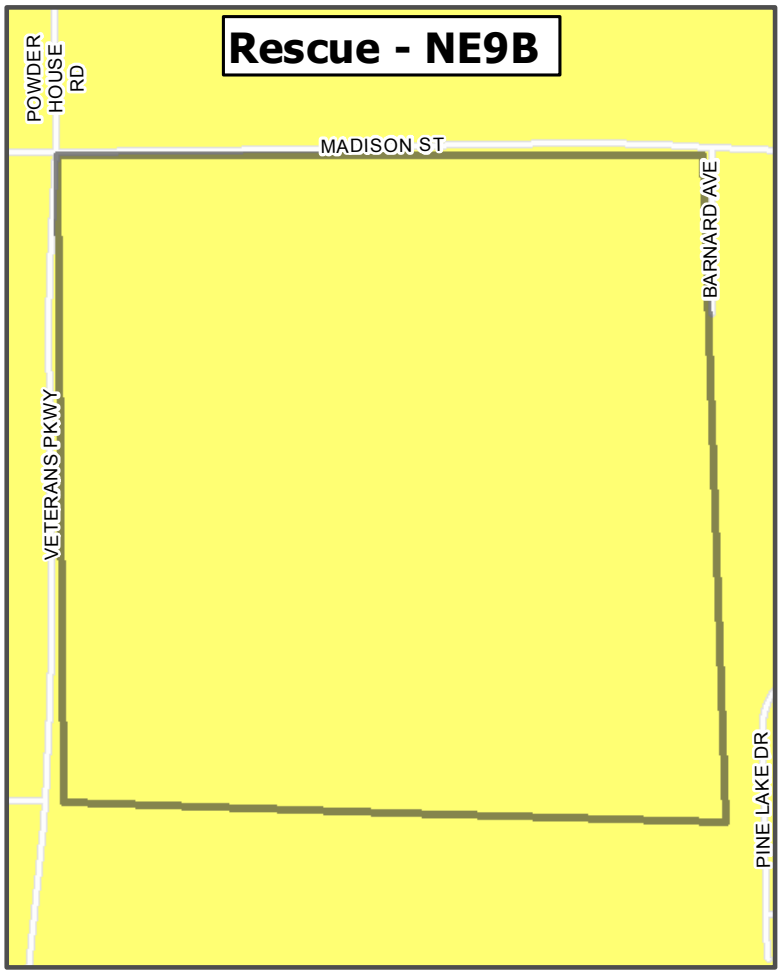
0.2 percent Annual Chance

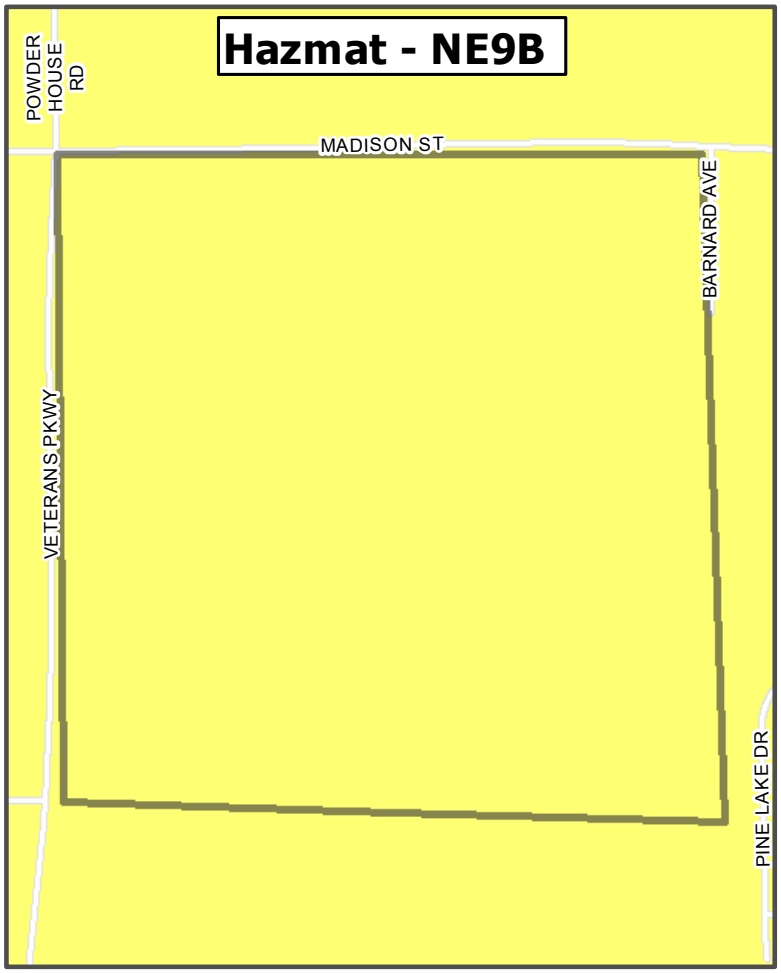
1 percent Annual Chance

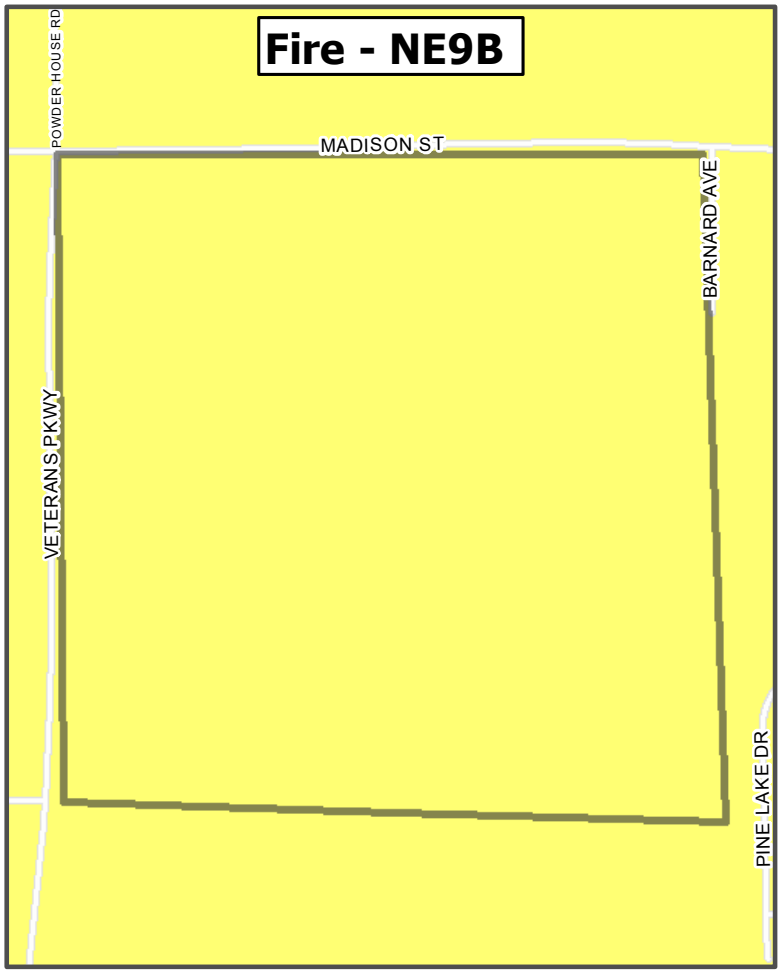












Low | Moderate | High | Special

1 inch = 788 feet

2015 Hazard/Risk Analysis by Planning Zones 9C

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
PRAIRIE CROSSING ASSISTED LIVING-6701	Type 1	Nursing Home
PRAIRIE CROSSING ASSISTED LIVING-6702	Type 1	Nursing Home

NE9C

Fire

Rescue

HazMat

EMS

SUB Substation

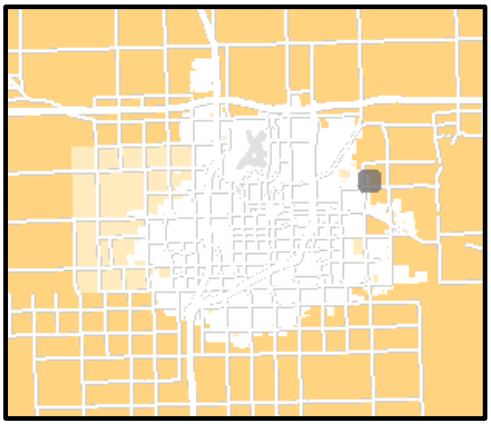
Transmission Line

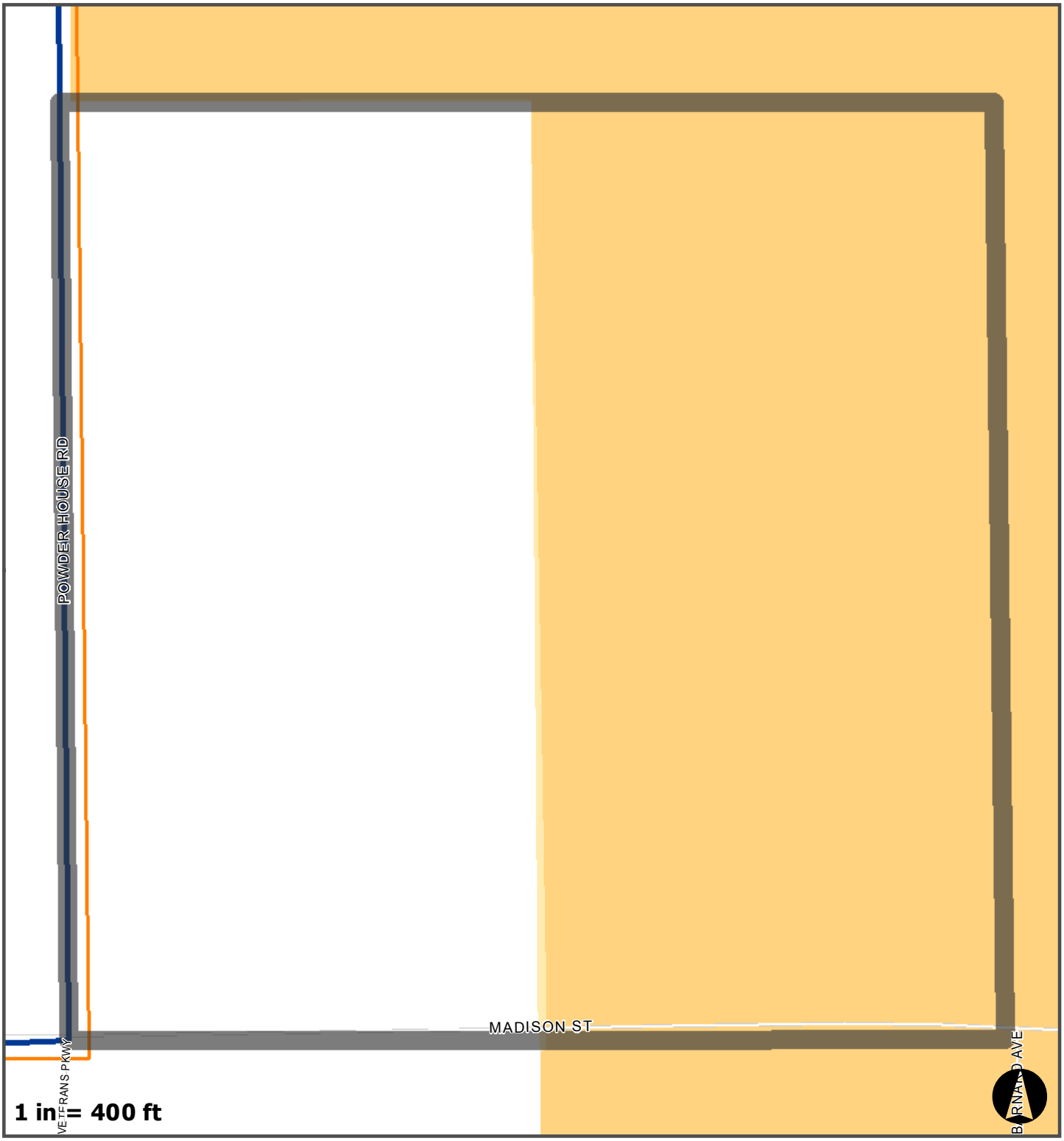
Major Gas Line

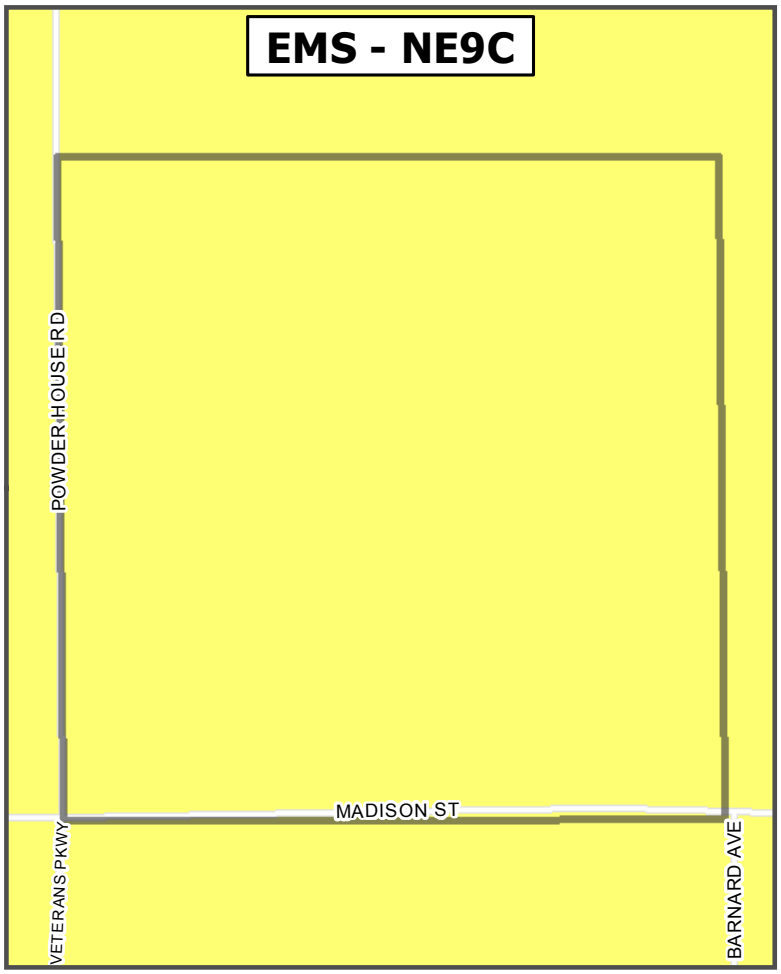
Floodplain

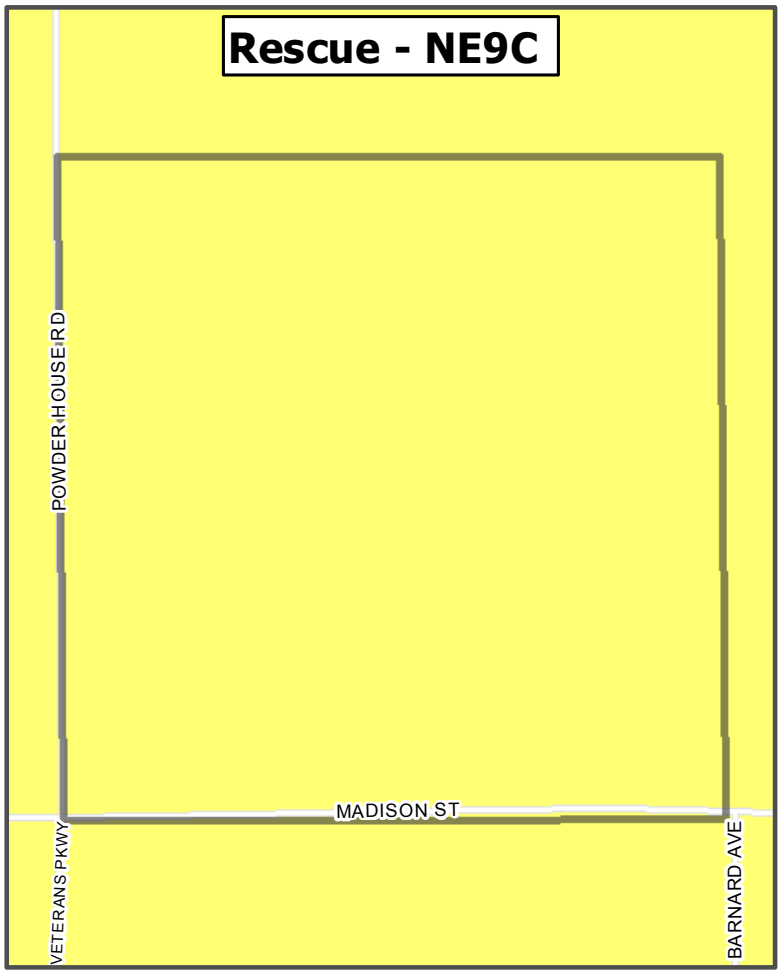
0.2 percent Annual Chance

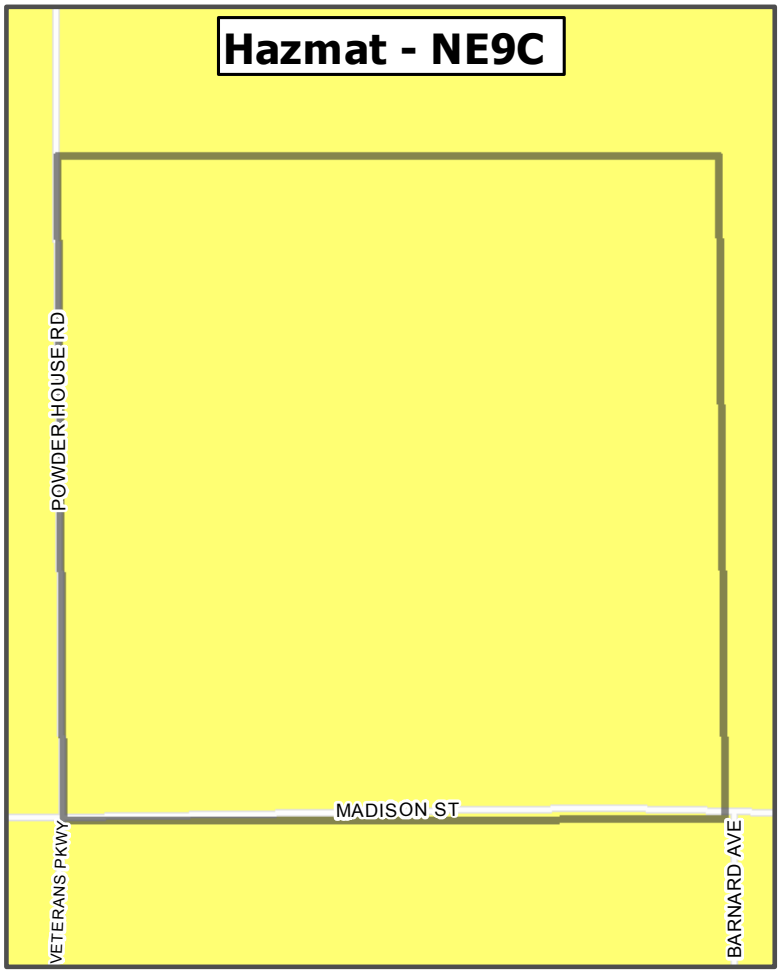
1 percent Annual Chance

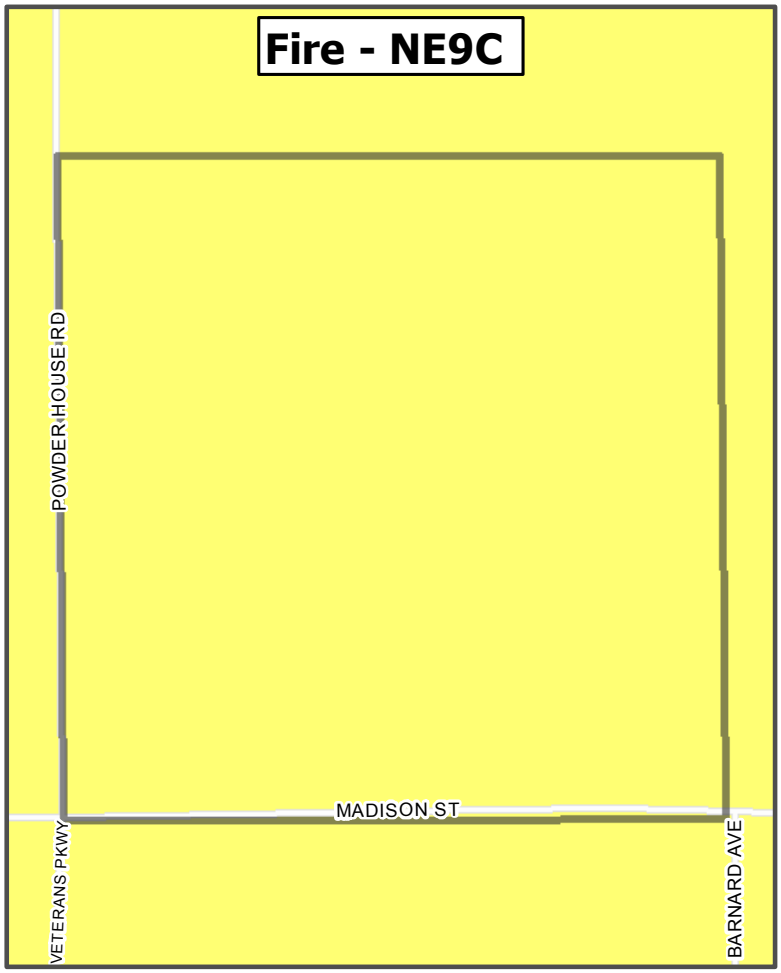












Low | Moderate | High | Special

1 inch = 768 feet

2015 Hazard/Risk Analysis by Planning Zones 9D

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	Low	Low	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy

NE9D

Fire

Rescue

HazMat

EMS

SUB Substation

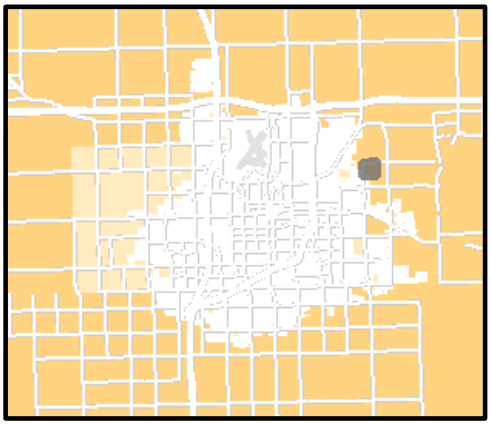
Transmission Line

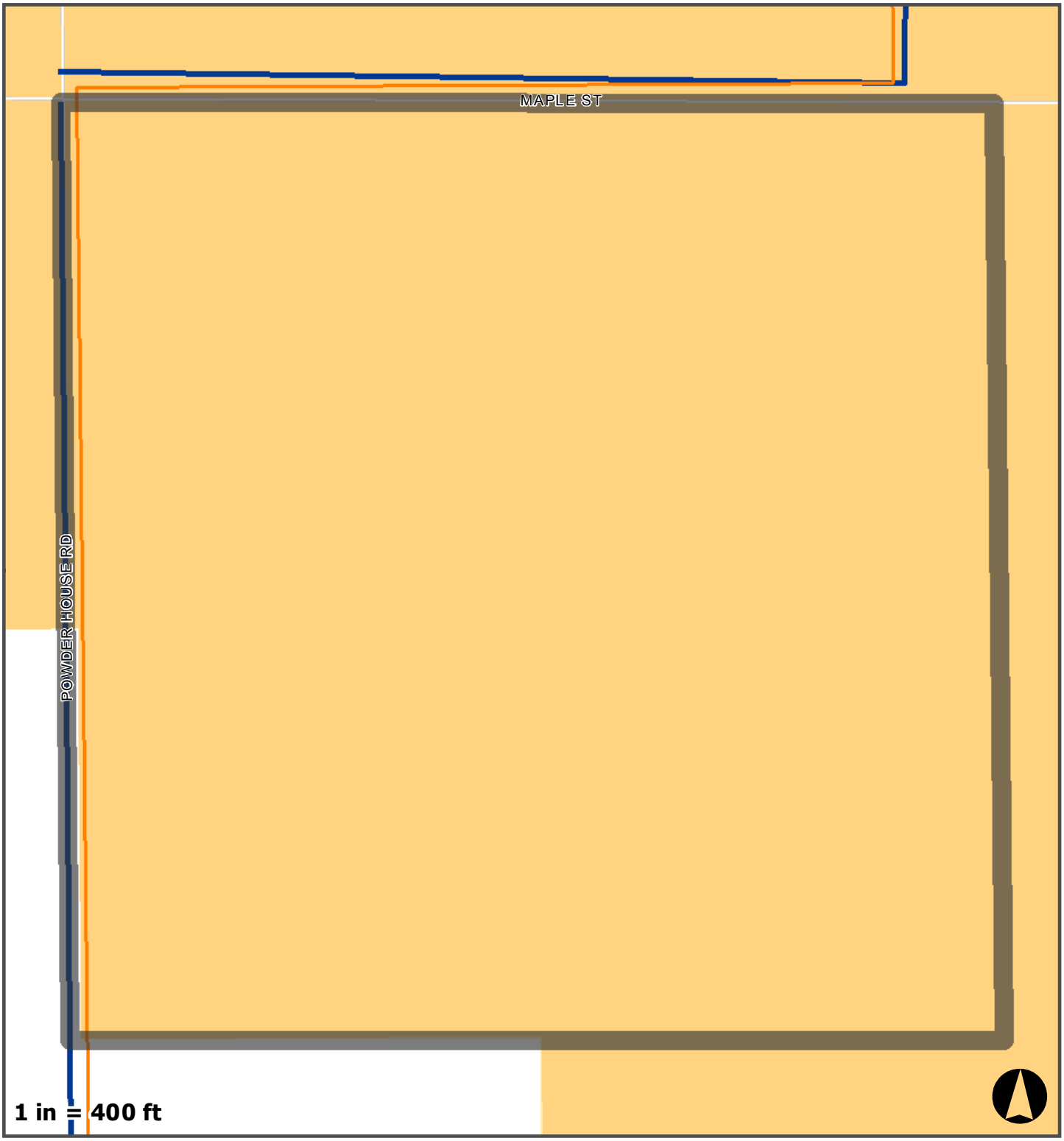
Major Gas Line

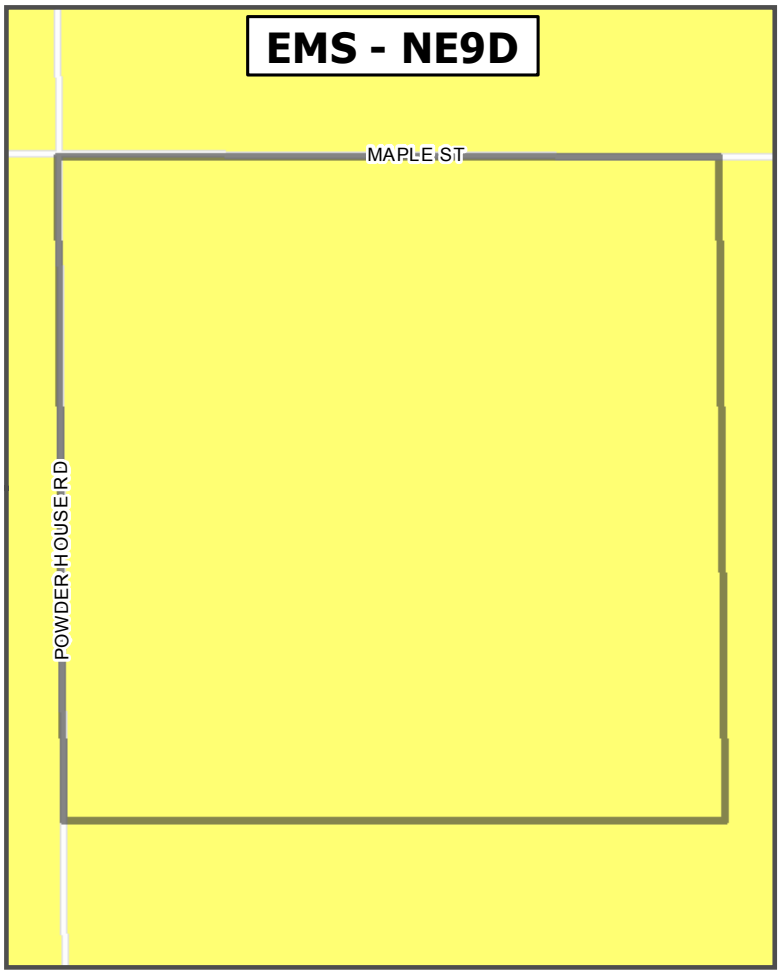
Floodplain

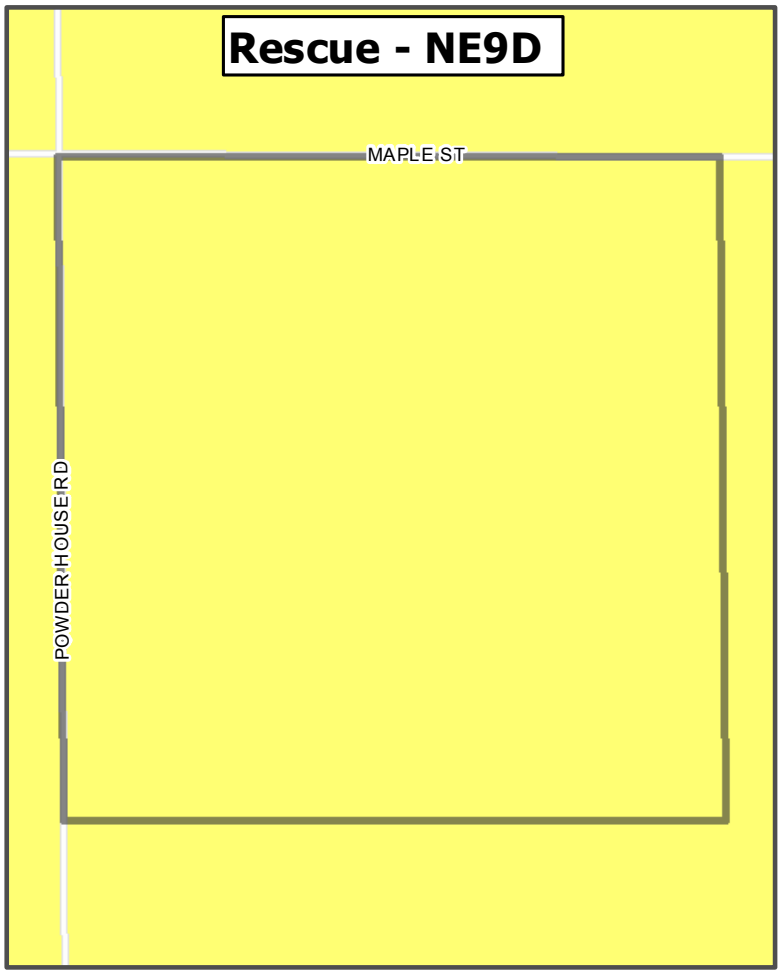
0.2 percent Annual Chance

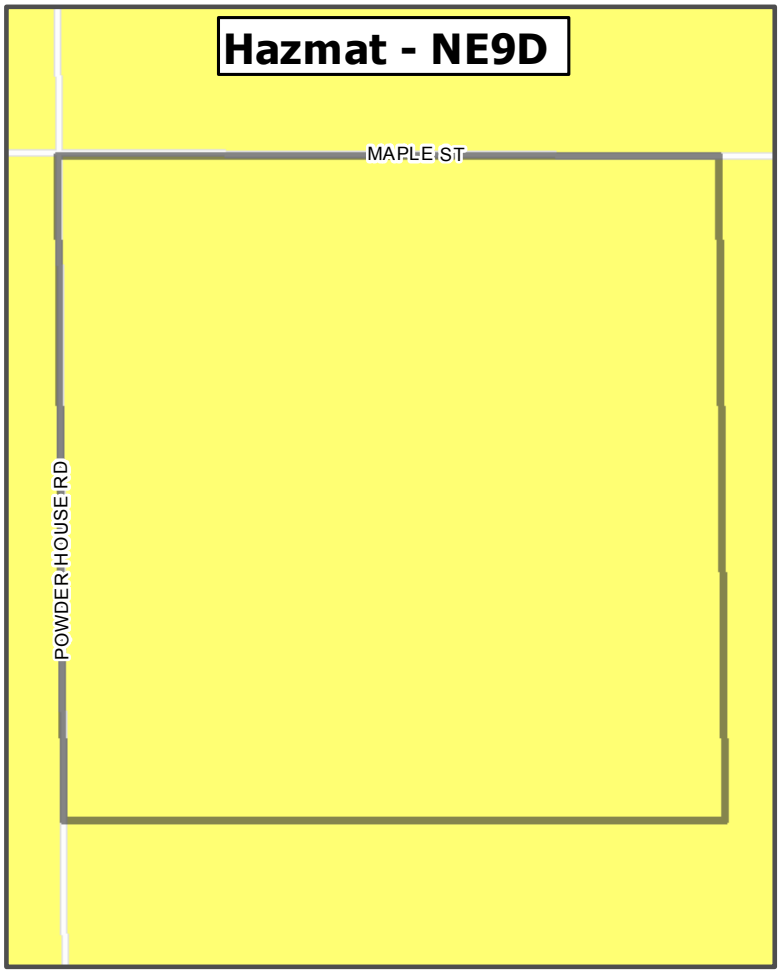
1 percent Annual Chance

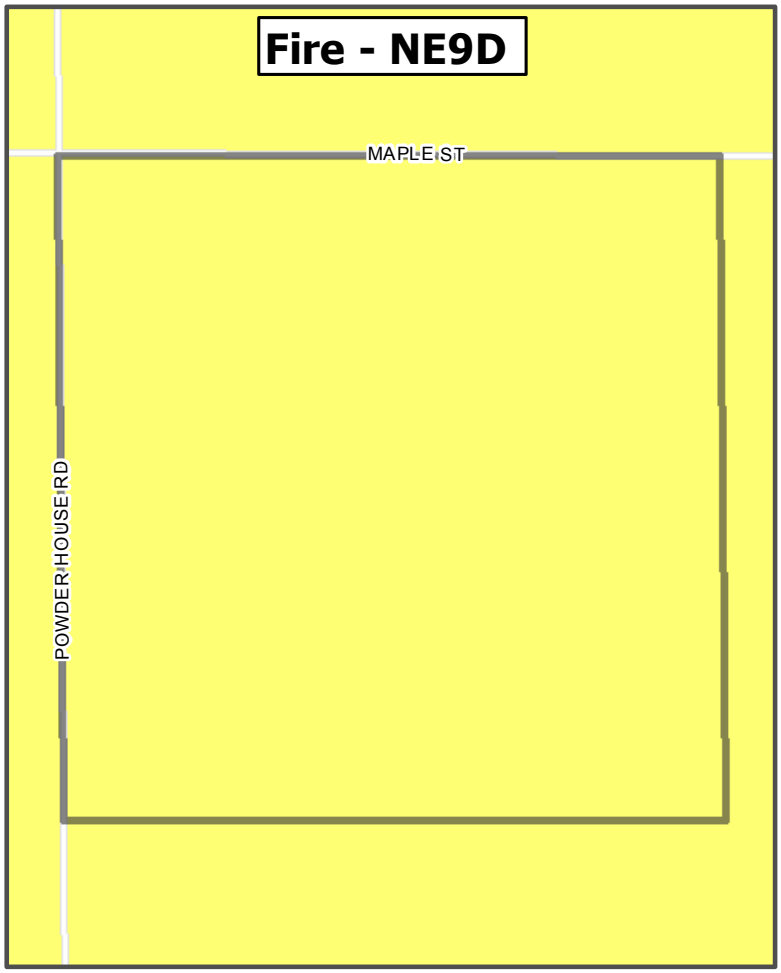












Low Moderate High Special

1 inch = 767 feet

2015 Hazard/Risk Analysis by Planning Zones 9G

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Low	Low	Low	Low
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	High	Moderate	Moderate	High
Pipeline Accident	Low	Moderate	Moderate	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy

NE9G

Fire

Rescue

HazMat

EMS

SUB Substation

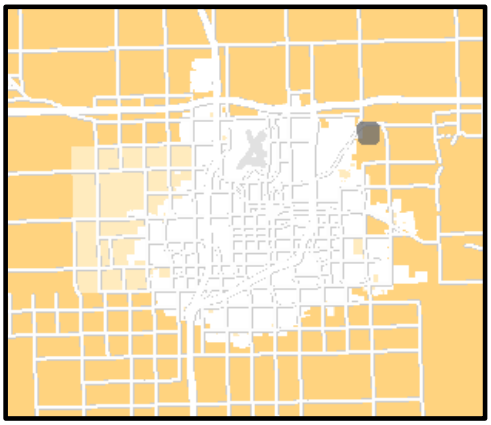
Transmission Line

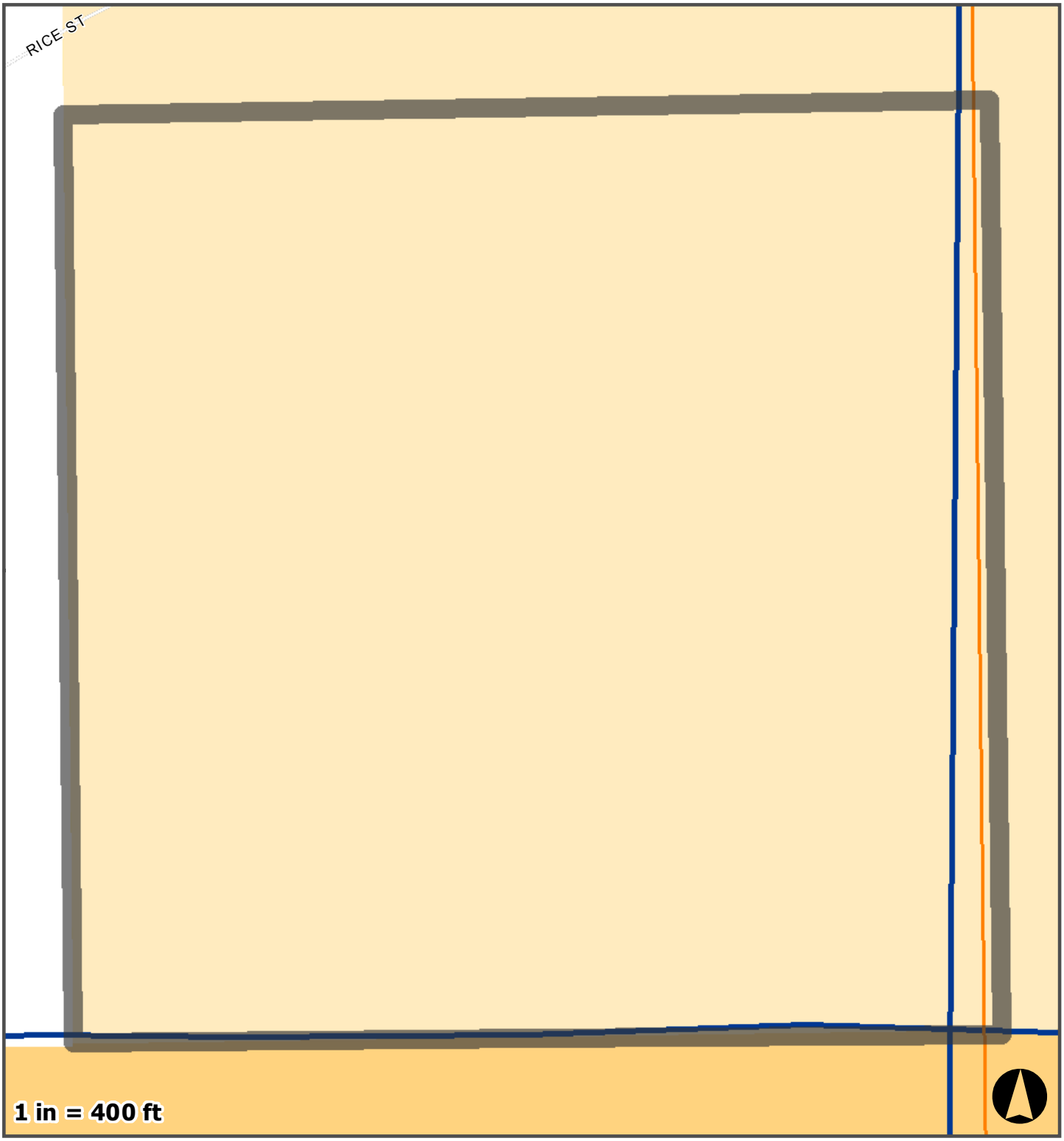
Major Gas Line

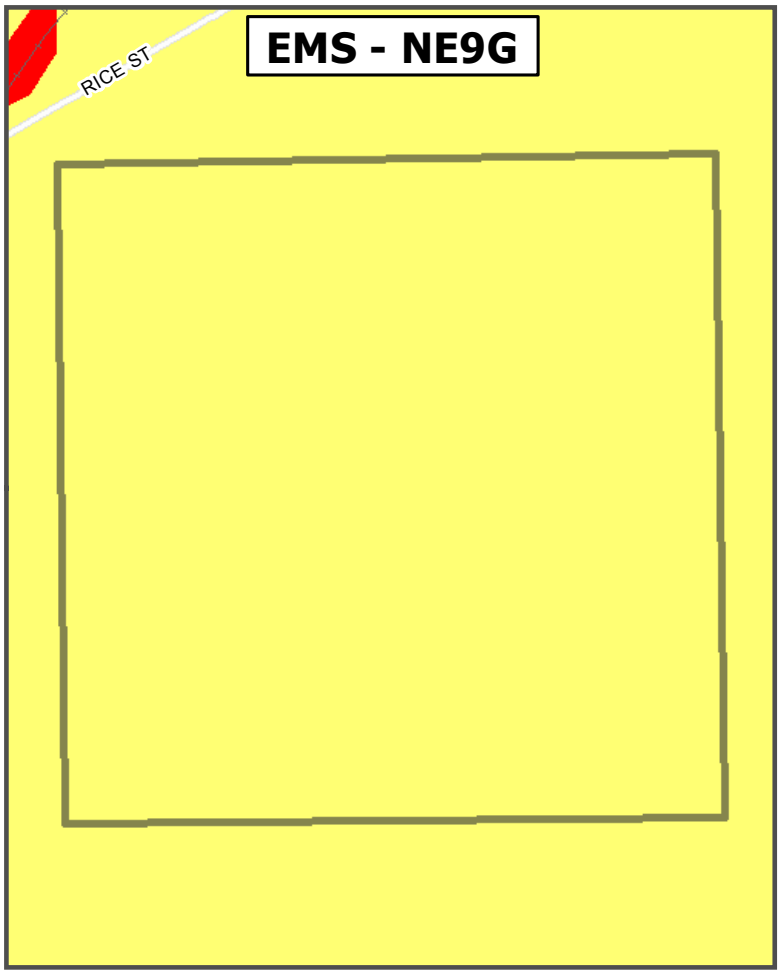
Floodplain

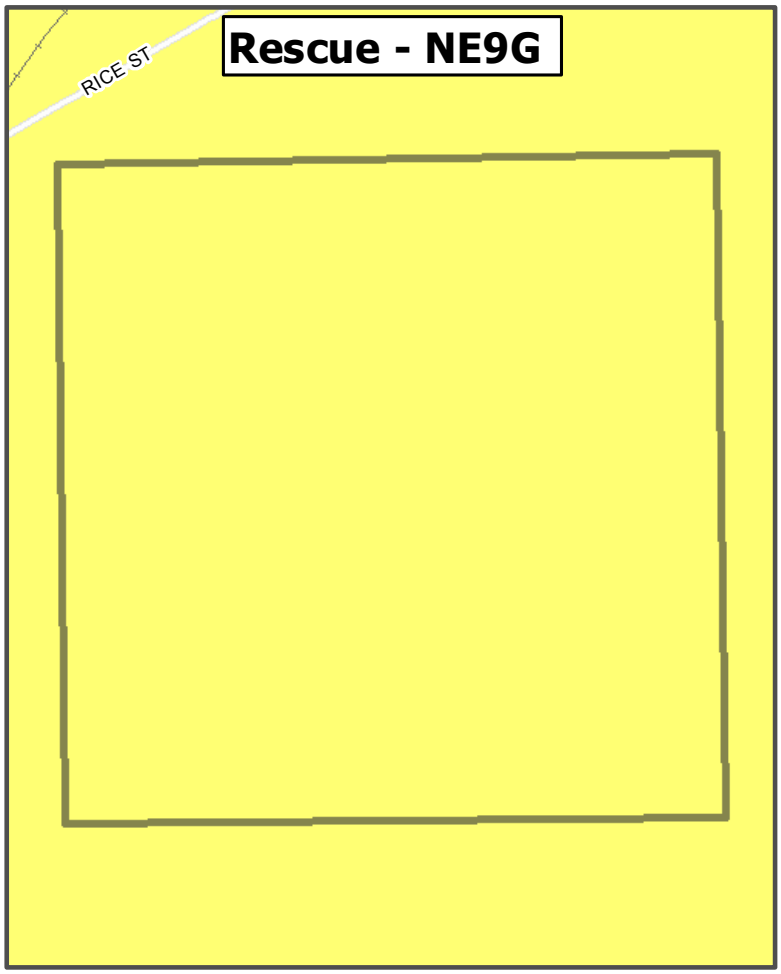
0.2 percent Annual Chance

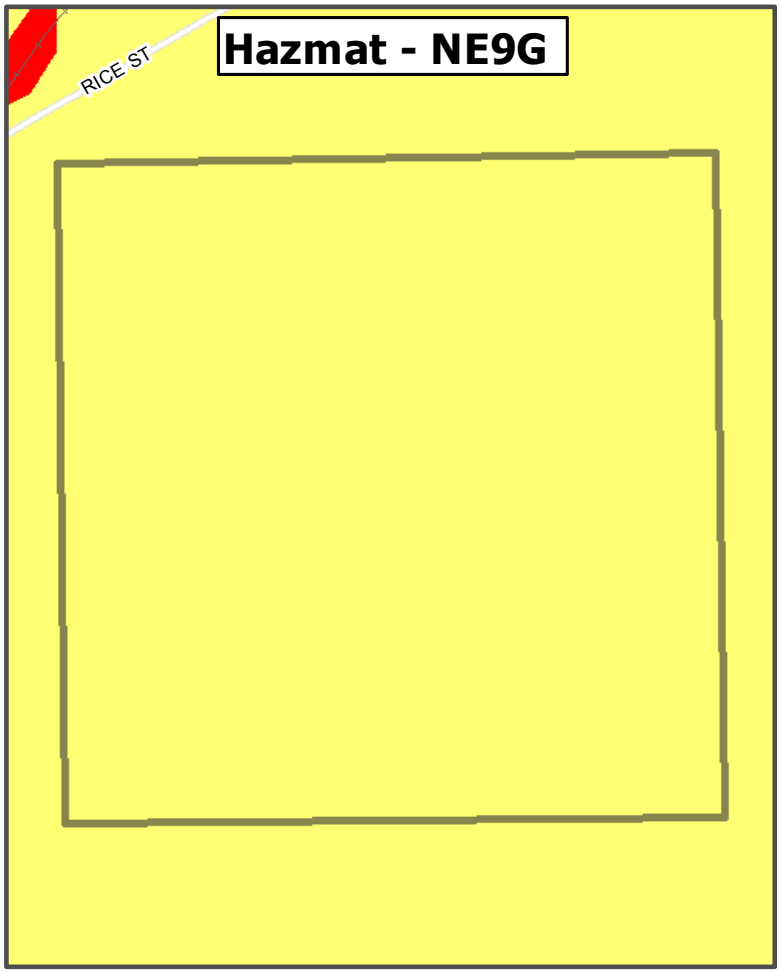
1 percent Annual Chance

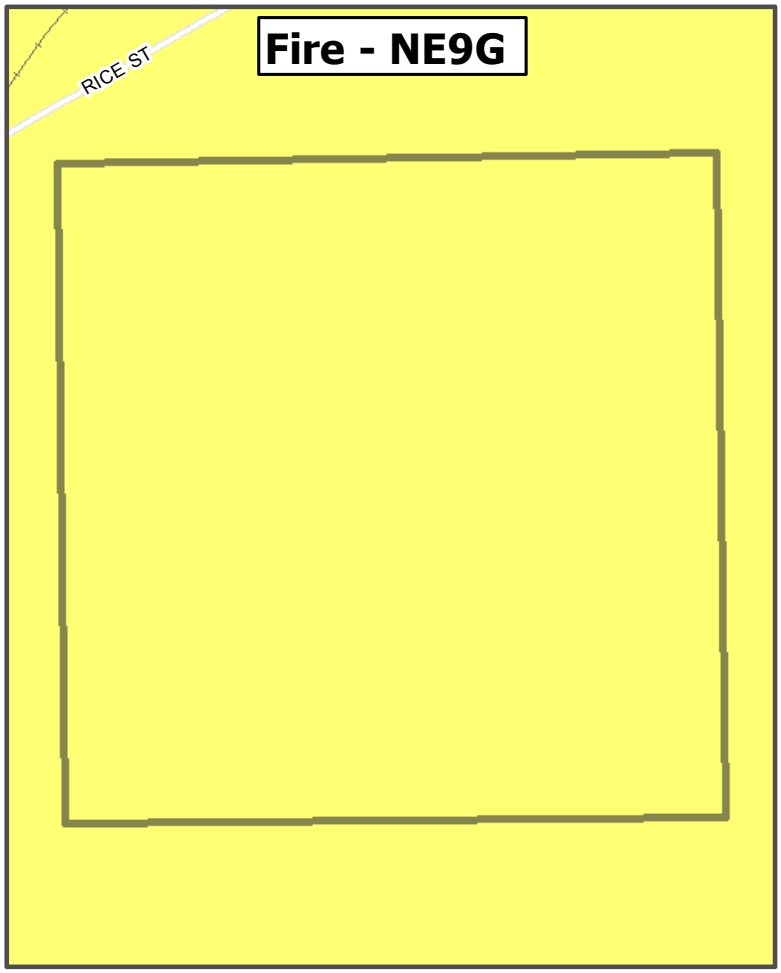












Low | Moderate | High | Special

1 inch = 765 feet

2015 Hazard/Risk Analysis by Planning Zones 9H

Frequency of Fires	
Residential	0
Commercial	0
Vehicle	0
Wildland/Brush	0
Trash	0
Miscellaneous	0

Frequency of EMS Calls	
EMS Calls-Low	0
EMS Calls-Moderate	0
EMS Calls-High	0

Frequency of Hazmat/Conditions Calls	
Hazmat - Low	0
Hazmat - Moderate	0
Hazmat - High	0
Hazardous Conditions	0

Frequency of Technical Rescue Calls	
Technical Rescue	0
Extrication	0

Hazards Analysis Summary for Planning Zone

Threat	History	Vulnerability	Max Threat	Probability
Airplane Crash	Low	High	High	Low
Flood - Major/Flash	Moderate	High	High	Moderate
Hazardous Materials	Low	High	High	Low
Rail Line	Low	High	High	Low
High Speed MVA	Moderate	Low	Moderate	Low
Pipeline Accident	Low	Low	Low	Low
Wildland/Interface (Grass) Fire	Low	Low	Low	Low

Comments/Special Risks	Response Type	Occupancy
Approximately 5% of this quadrant lies in the flood plain (Big Sioux)		

NE9H

Fire

Rescue

HazMat

EMS

SUB Substation

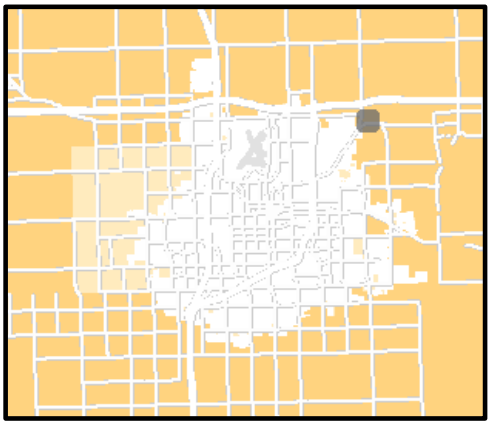
Transmission Line

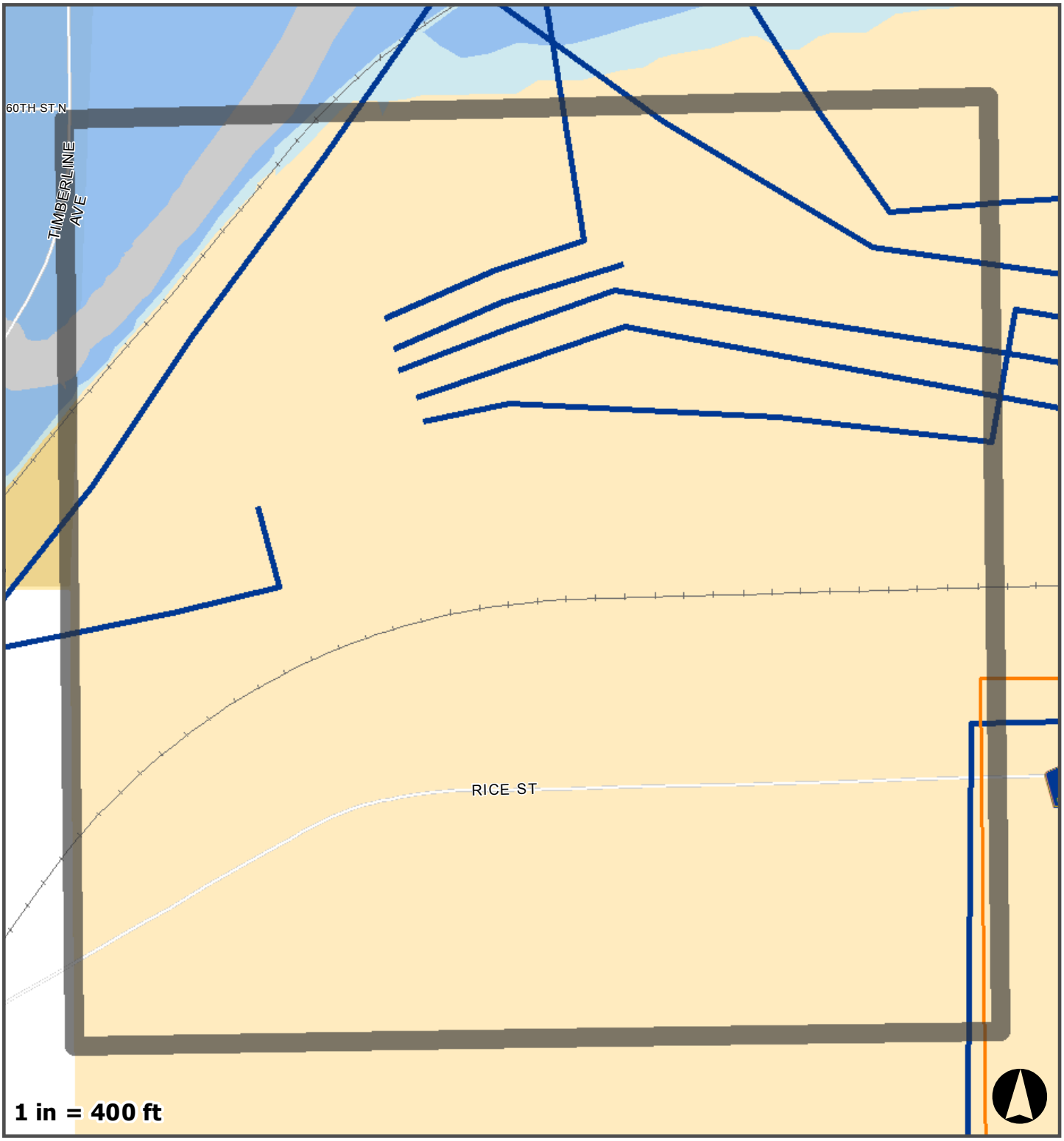
Major Gas Line

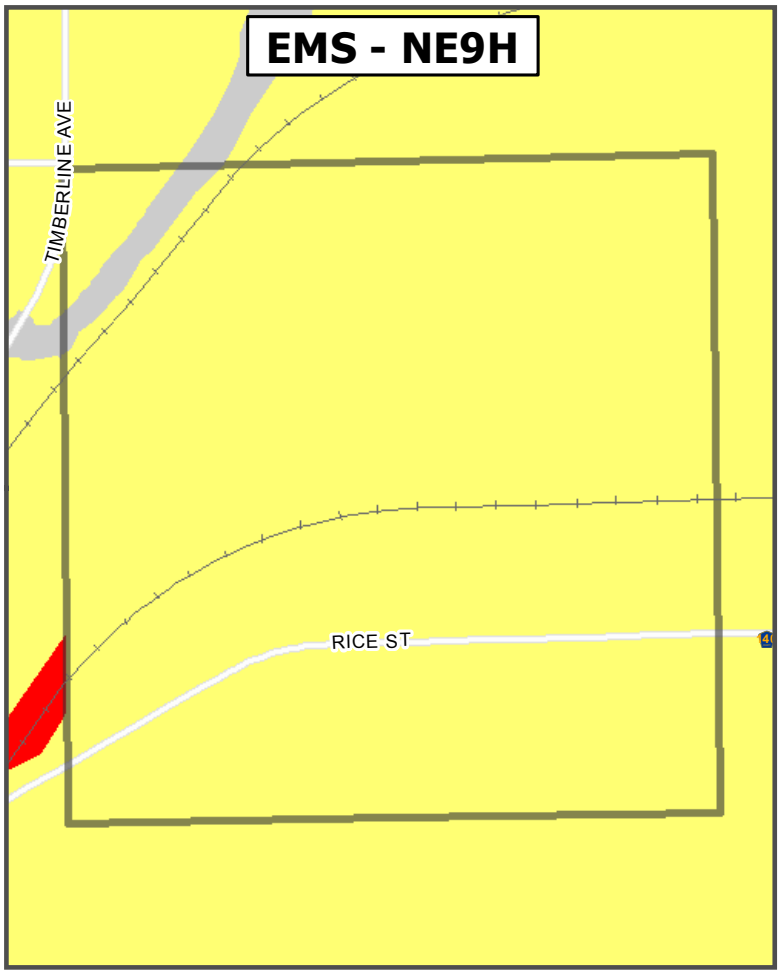
Floodplain

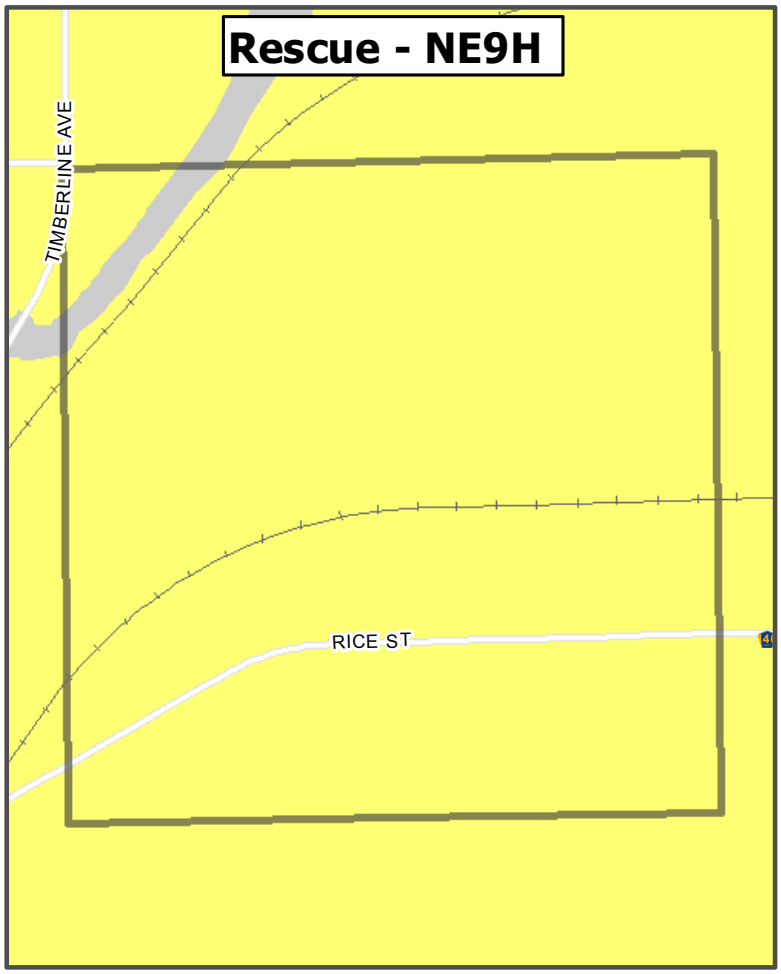
0.2 percent Annual Chance

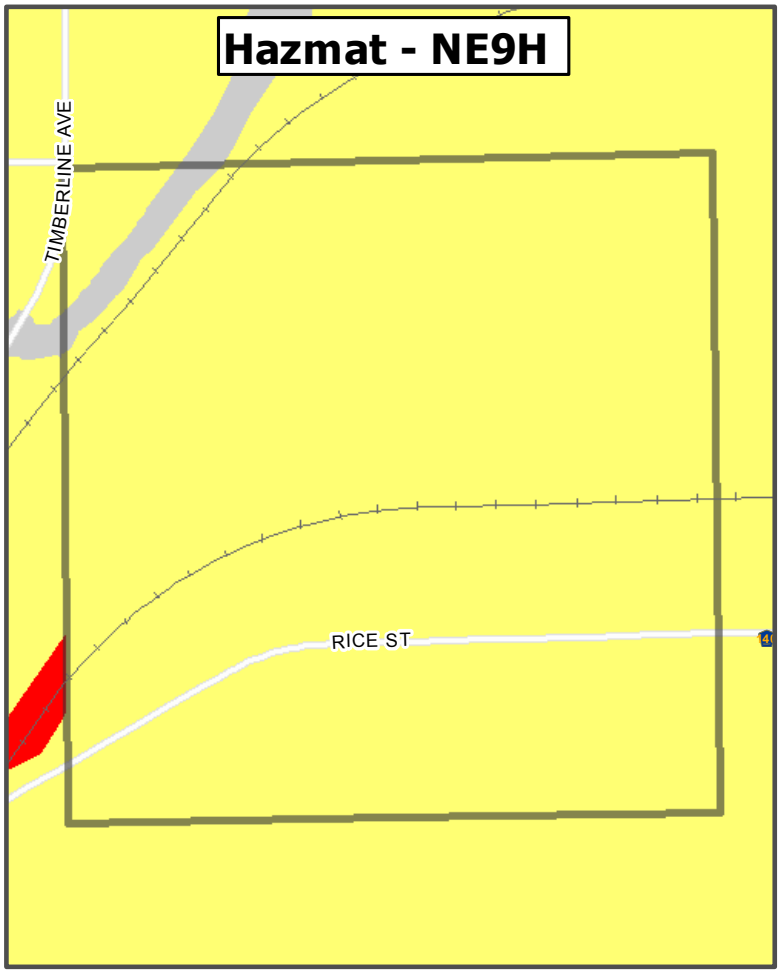
1 percent Annual Chance

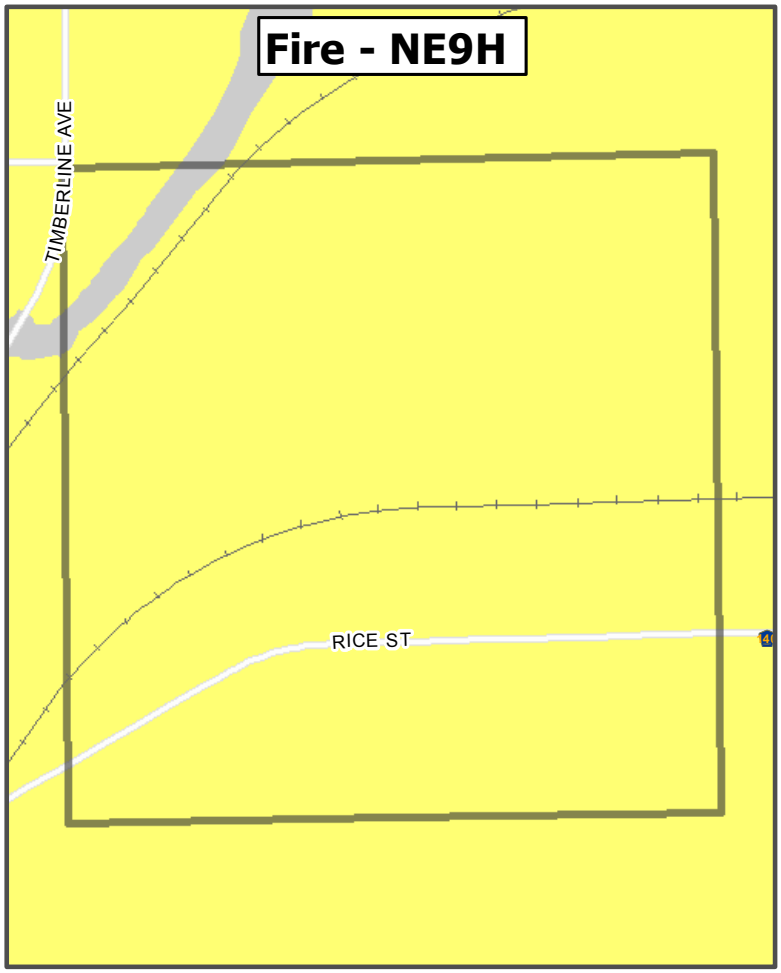












Low | Moderate | High | Special

1 inch = 771 feet