



City of Griffin

Hydrant Testing & Maintenance

Program

May, 2003



Purpose



- Water Quality
 - Removes sediment that has accumulated in pipes over many years, some pipes in our system are $\frac{1}{4}$ blocked with sediment
- Accessibility
 - Ensures hydrants are not blocked by plant growth or other obstacles

Purpose

- Operability
 - Assures hydrants operate properly, and if not notes what maintenance needs to be performed
- Fire Flow
 - Determines gallons per minute (GPM) each hydrant so that hydrants can be color coded for future reference
- Location
 - Notes location of hydrants that have been added to system or removed from system

Procedure

- The public will be notified of flushing 3 days prior to occurrence
- We will flush hydrants using the 4 1/2” outlet utilizing a deflector which incorporates a pitot gauge
- Flushing will be done in a systematic manner from the tanks outward

Procedure

- Only hydrants in the designated zone shall be tested
- Each zone shall be completed before another zone (in the same area) is started
- Work within the zone beginning from the tank side and working outward
- No more than 2 hydrants in the same zone shall be fully opened at the same time

Procedure

- **Monitor time** that hydrant is open and document it
- Flush hydrant till water runs clear, then continue flow for 2 – 3 minutes
- Open and close hydrants slowly
- Divert water flow away from traffic, people, landscaping, etc.

Changes

- Our hydrant numbering system will change to indicate the area (station territory), zone, and three digit numerical designation
- Each zone currently contains approximately 50 hydrants
- A new form will be used to document test results

Numbering

- Red spray paint will cover old number
 - Write down old number first, then spray paint over it
- New number will be located in same place
 - Under bonnet on backside of hydrant
 - Use white paint pen



Hydrant Color Coding



- **Red**
 - **<500 GPM**
- **Orange**
 - **500 – 1000 GPM**
- **Green**
 - **1000 – 1500 GPM**
- **Lt. Blue**
 - **>1500 GPM**

Red Bonnet

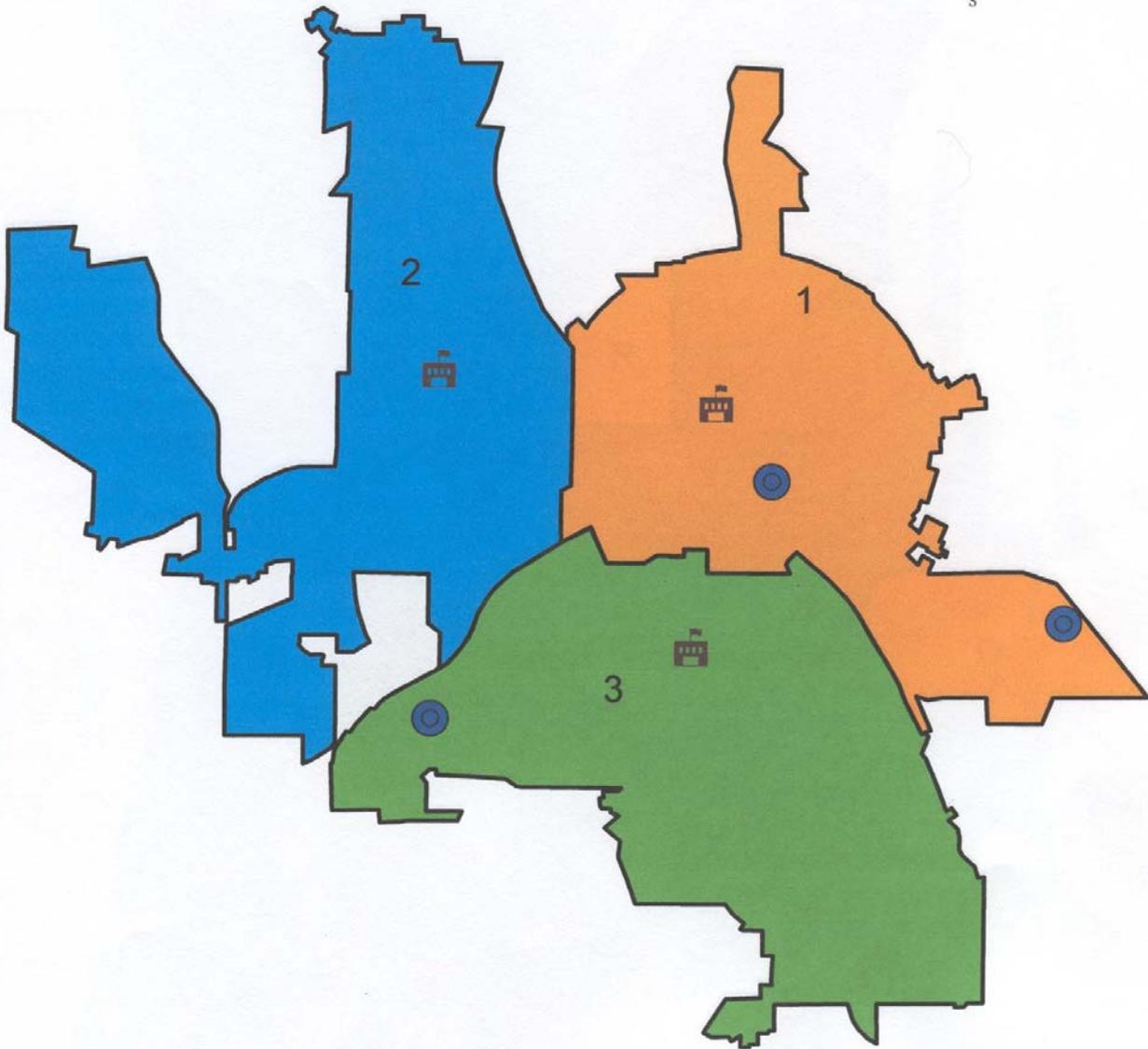
Counterclockwise rotation



White Bonnet

Clockwise rotation

AREA MAP

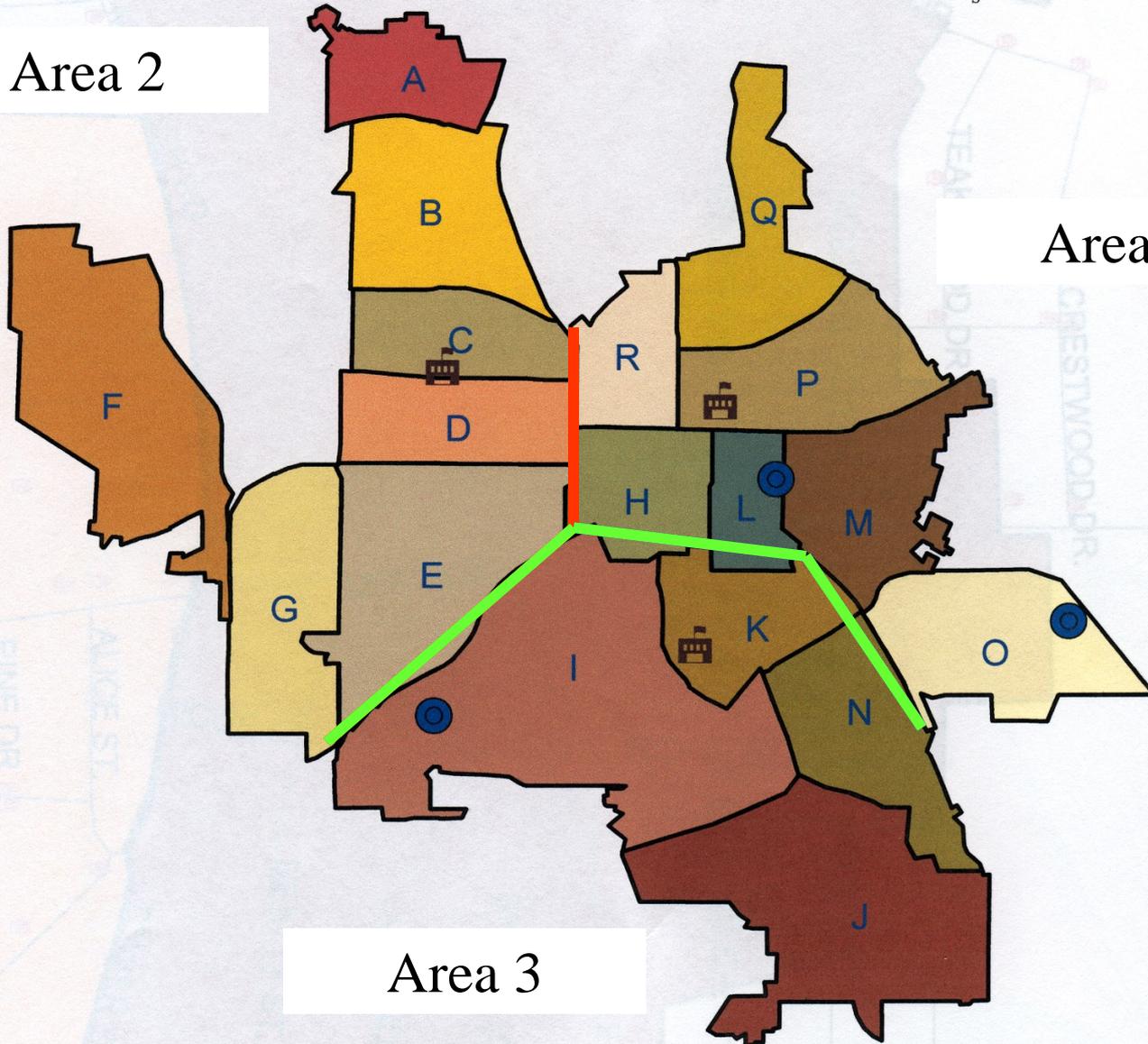


Zone Map



Area 2

Area 1

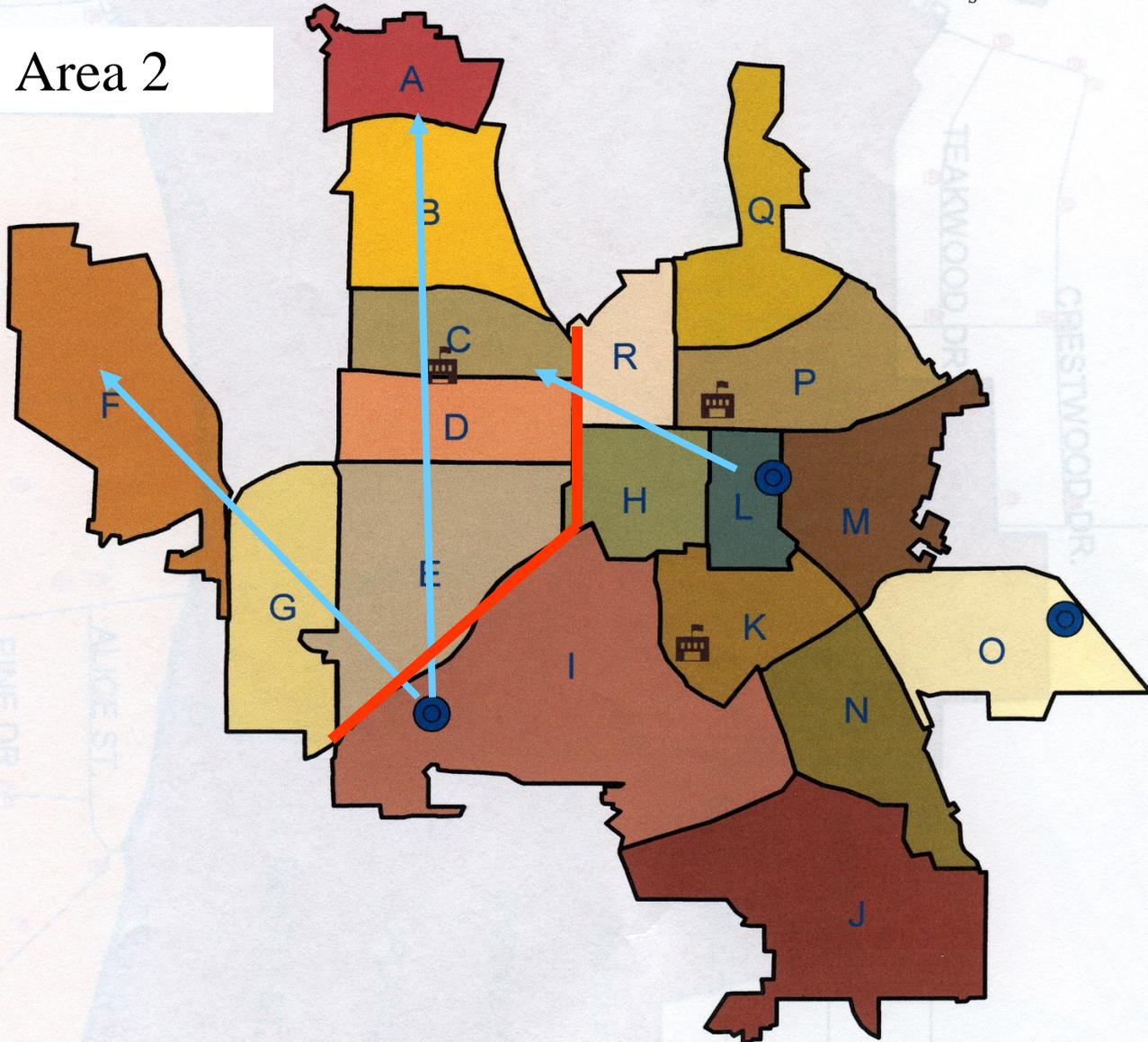


Area 3

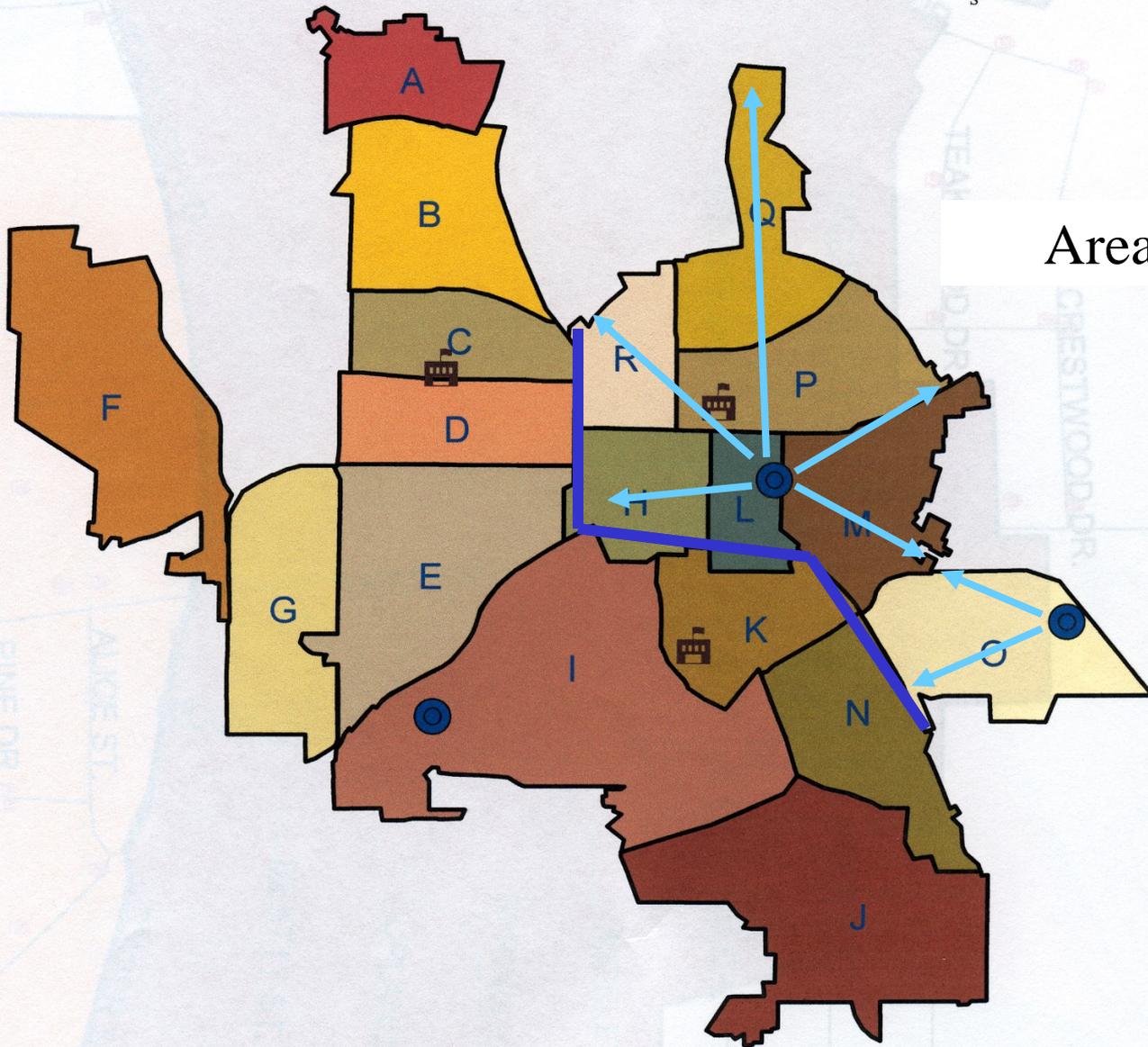
Zone Map



Area 2

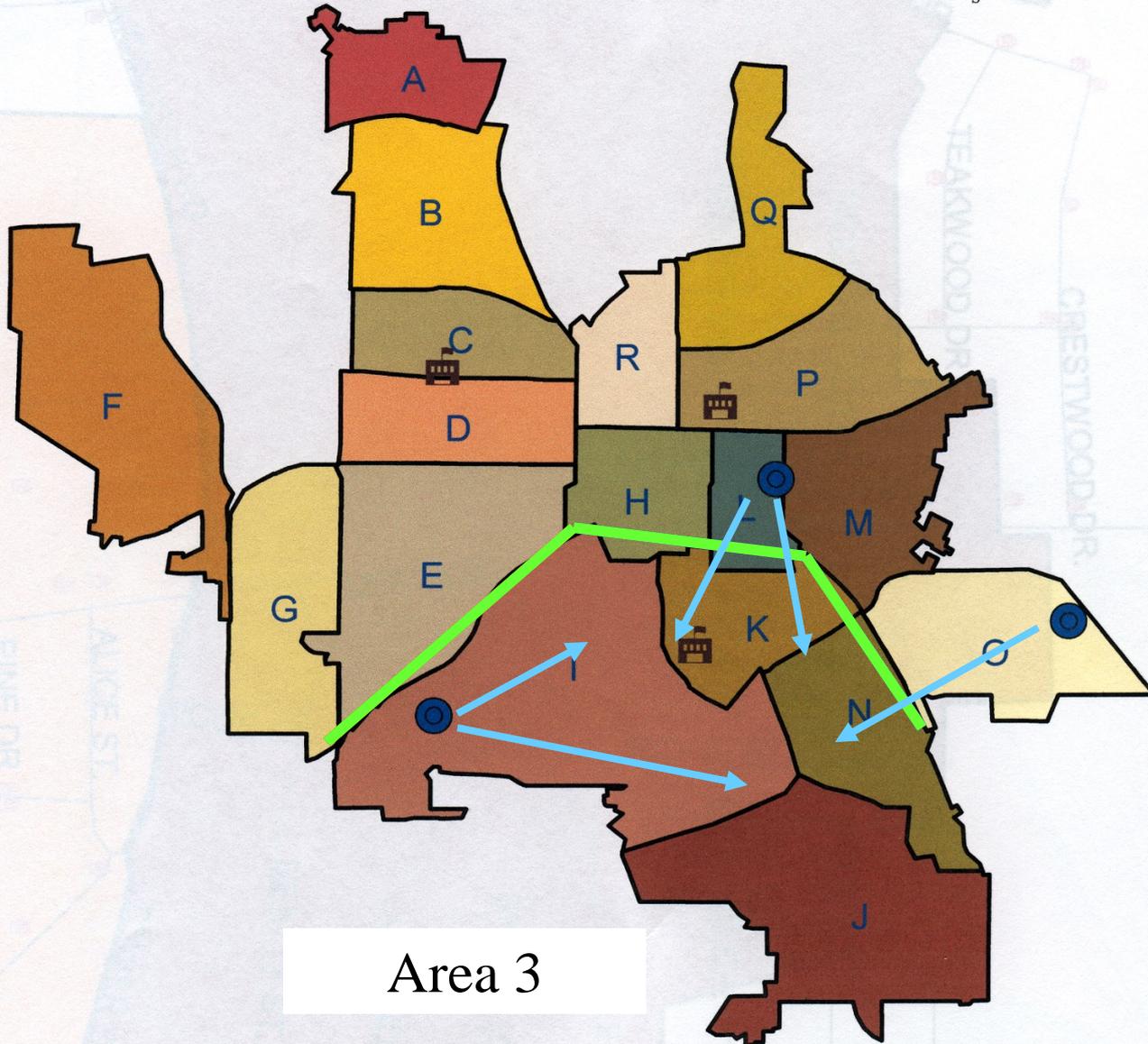


Zone Map



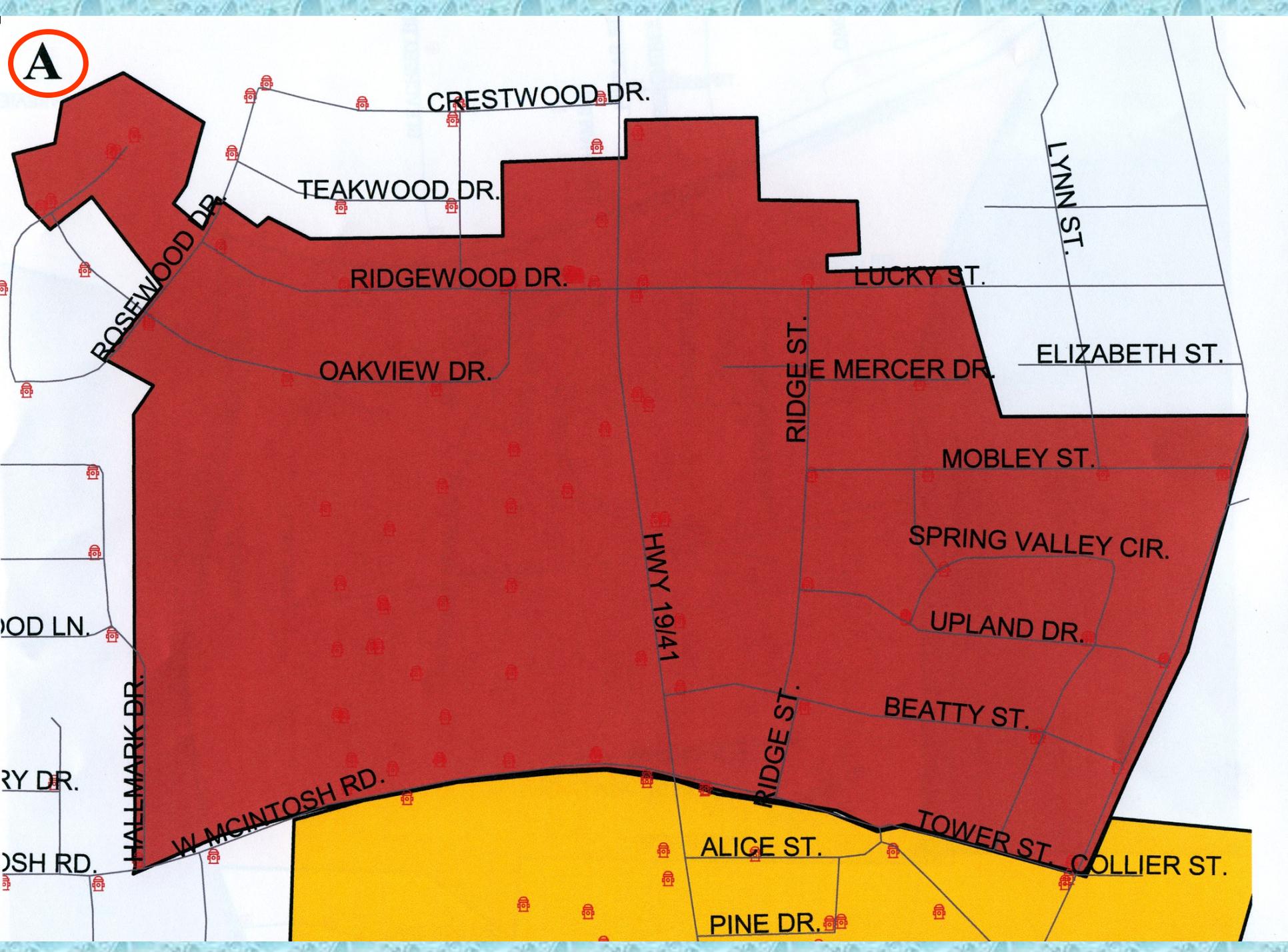
Area 1

Zone Map



Area 3

A



CRESTWOOD DR.

TEAKWOOD DR.

RIDGEWOOD DR.

LUCKY ST.

LYNN ST.

ROSEWOOD DR.

OAKVIEW DR.

E MERCER DR.

ELIZABETH ST.

RIDGE ST.

MOBLEY ST.

SPRING VALLEY CIR.

UPLAND DR.

HWY 19/41

BEATTY ST.

MOD LN.

HALLMARK DR.

RIDGE ST.

RY DR.

W MCINTOSH RD.

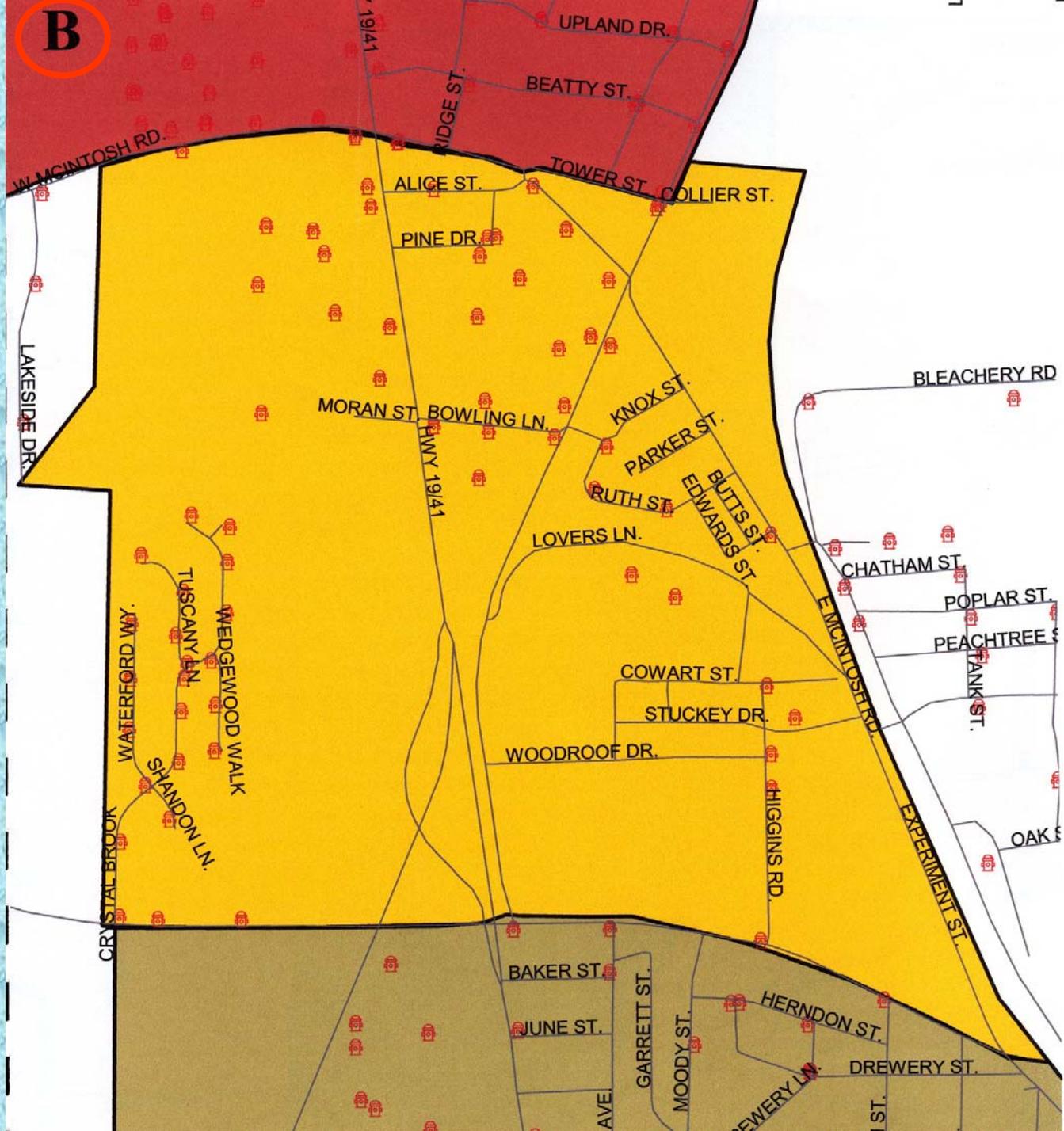
ALICE ST.

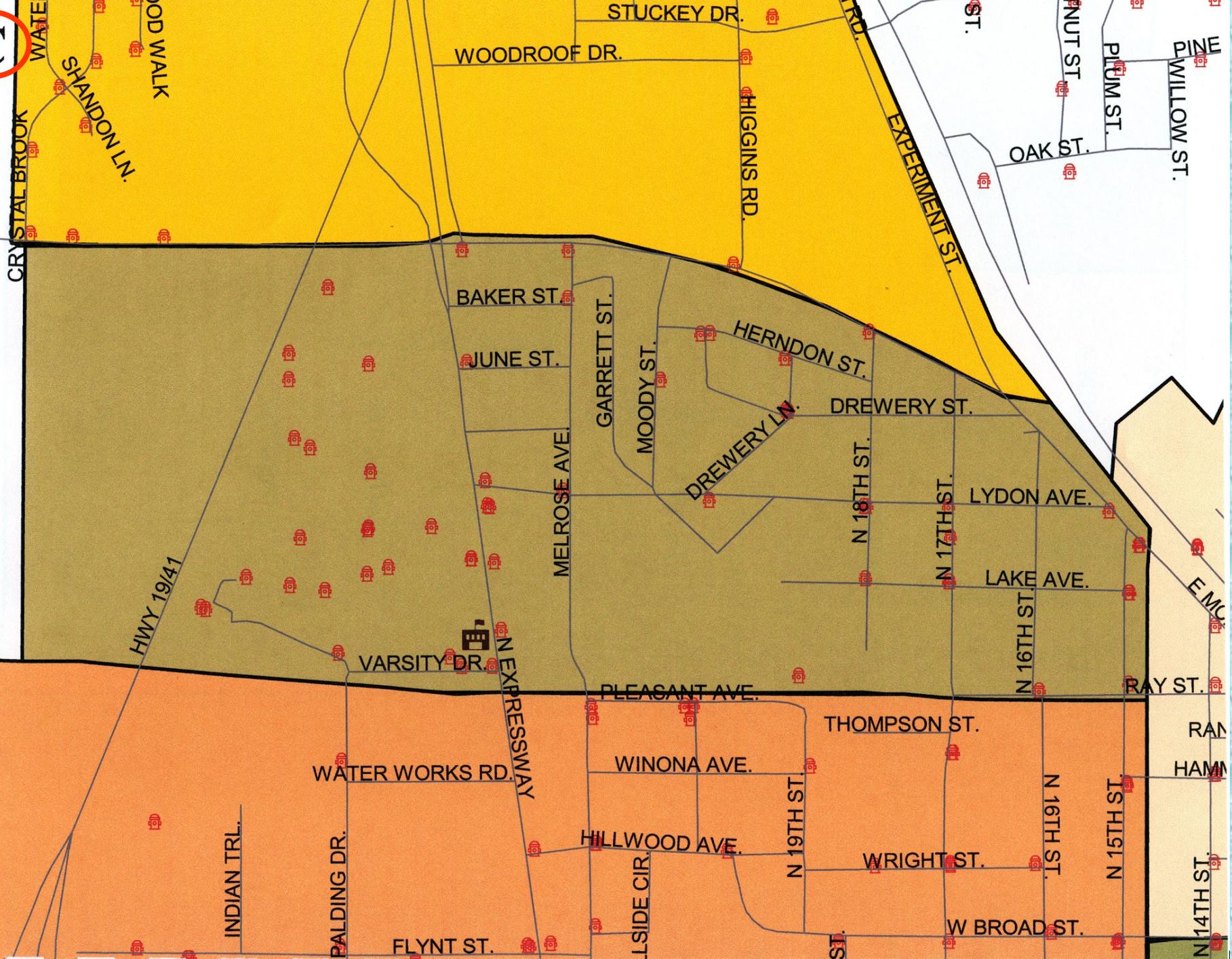
TOWER ST. COLLIER ST.

OSH RD.

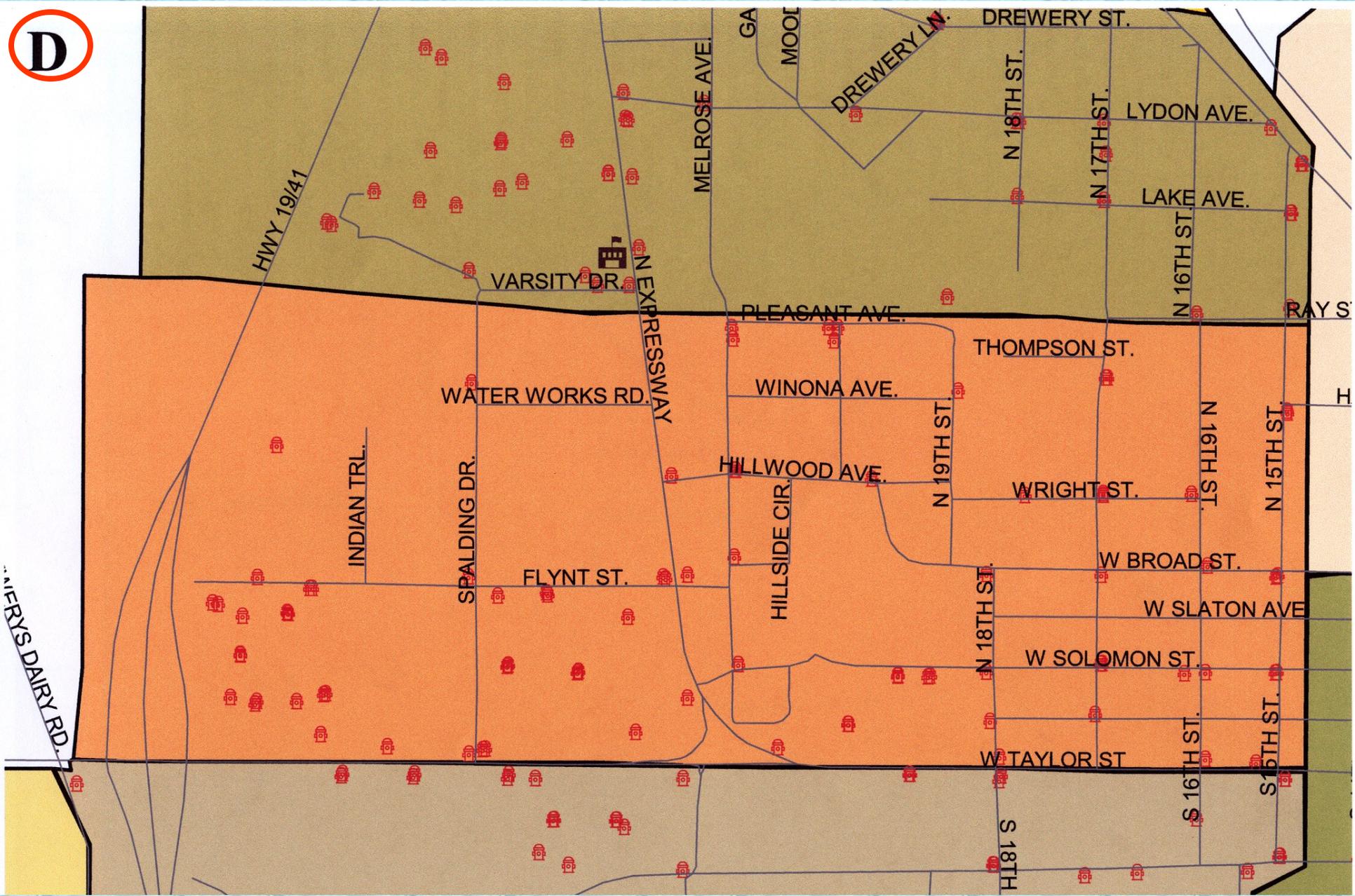
PINE DR.

B





D



HWY 19/41

Varsity Dr.

N EXPRESSWAY

MELROSE AVE.

GAMMEL MOOR

DREWERY LN.

DREWERY ST.

N 18TH ST.

N 17TH ST.

LYDON AVE.

LAKE AVE.

N 16TH ST.

RAY S

WATER WORKS RD.

PLEASANT AVE.

THOMPSON ST.

WINONA AVE.

N 19TH ST.

HILLWOOD AVE.

WRIGHT ST.

N 16TH ST.

N 15TH ST.

WATERYS DAIRY RD.

INDIAN TRL.

SPALDING DR.

FLYNT ST.

HILLSIDE CIR.

N 18TH ST.

W BROAD ST.

W SLATON AVE

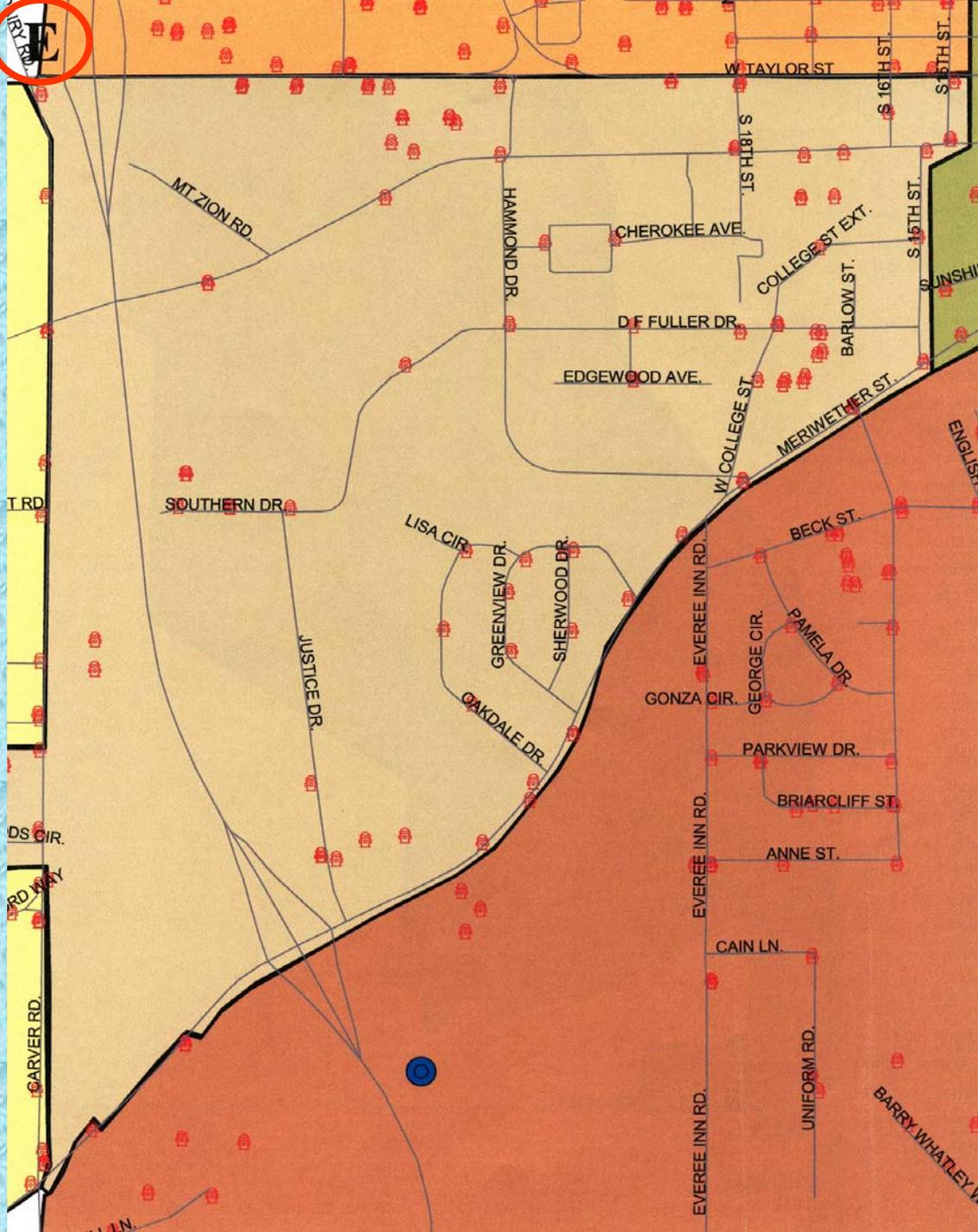
W SOLOMON ST.

W TAYLOR ST

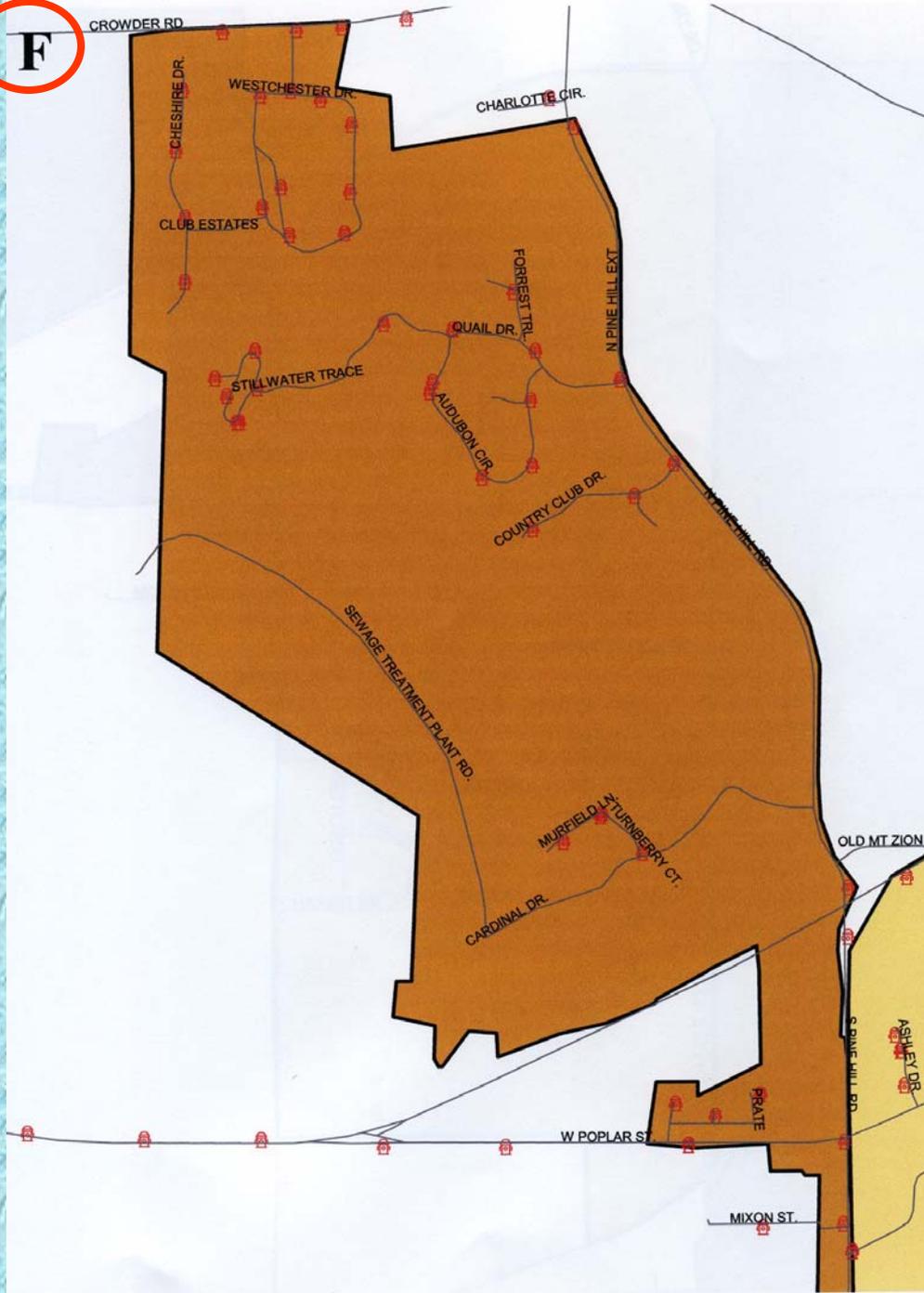
S 18TH

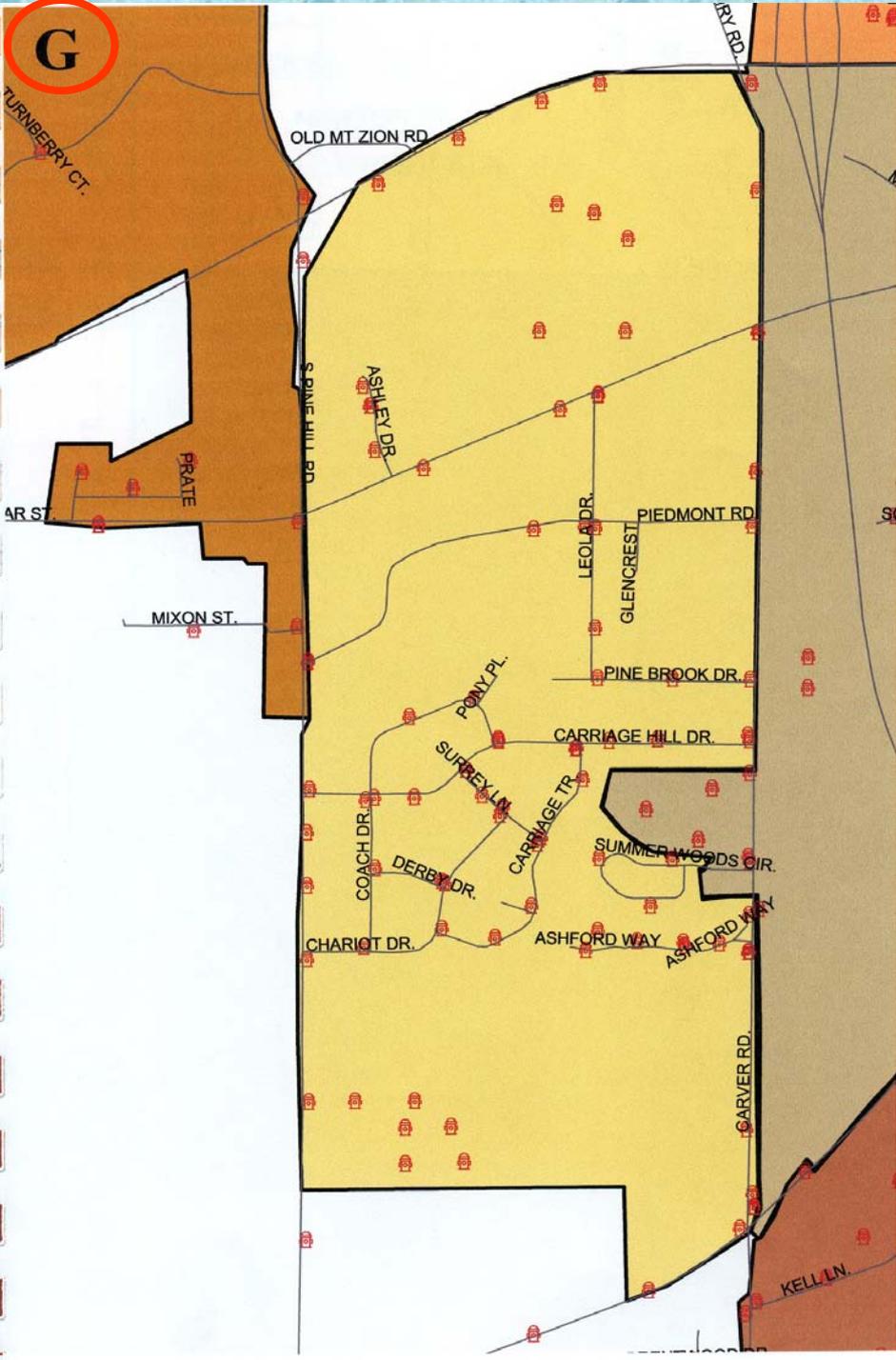
S 16TH ST.

S 16TH ST.

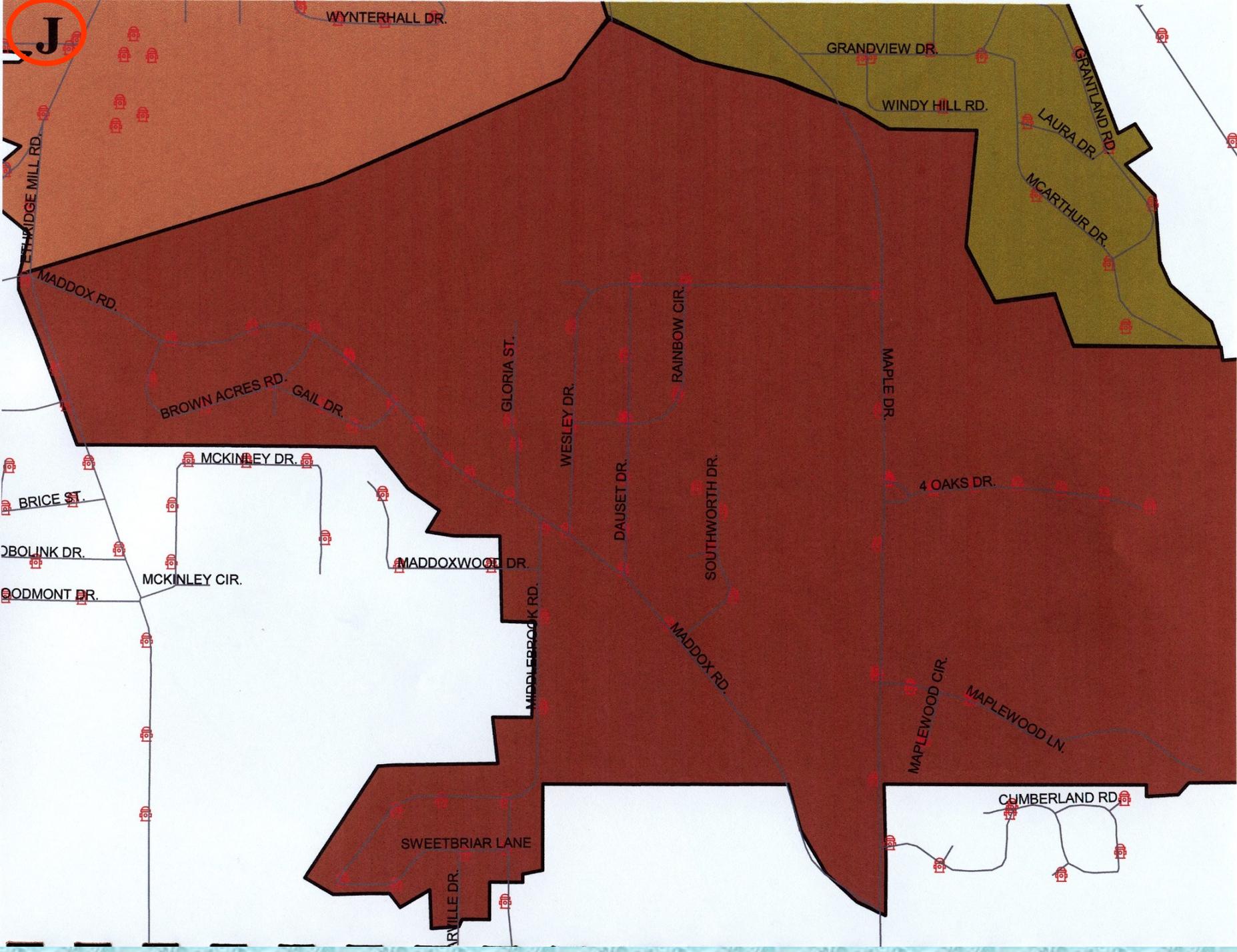


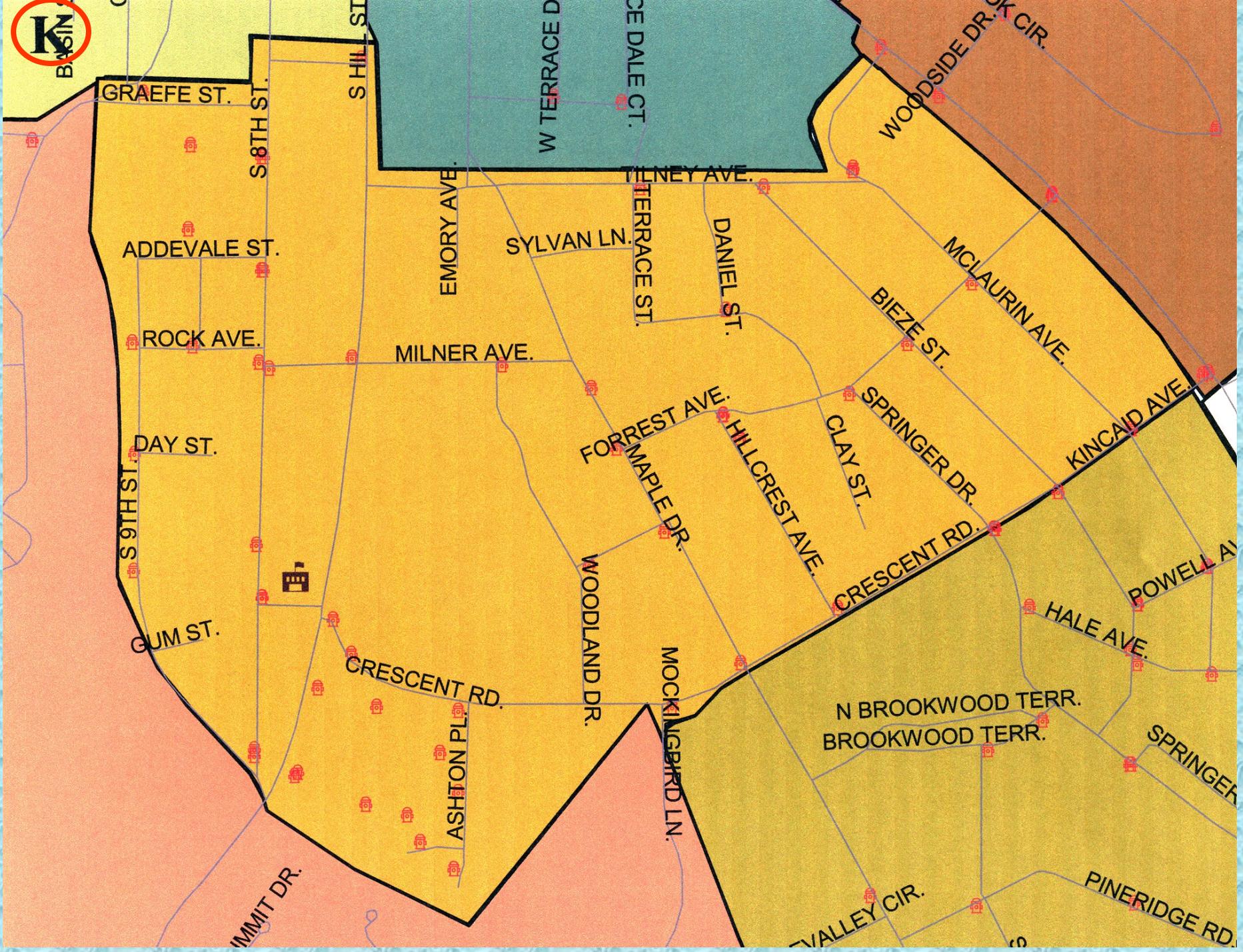
F





J





GRAEFE ST.

S 8TH ST.

S HILL ST.

W TERRACE D

CE DALE CT.

WOODSIDE DR. JOK CIR.

ADDEVALE ST.

EMORY AVE.

SYLVAN LN.

VILNEY AVE.

DANIEL ST.

MCLAURIN AVE.

ROCK AVE.

MILNER AVE.

TERRACE ST.

BIEZE ST.

DAY ST.

FORREST AVE.

HILLCREST AVE.

SPRINGER DR.

KINCAID AVE.

S 9TH ST.

FORMAPLE DR.

CLAY ST.

GUM ST.

WOODLAND DR.

MOCKINGBIRD LN.

CRESCENT RD.

POWELL AVE.



CRESCENT RD.

ASHTON PL.

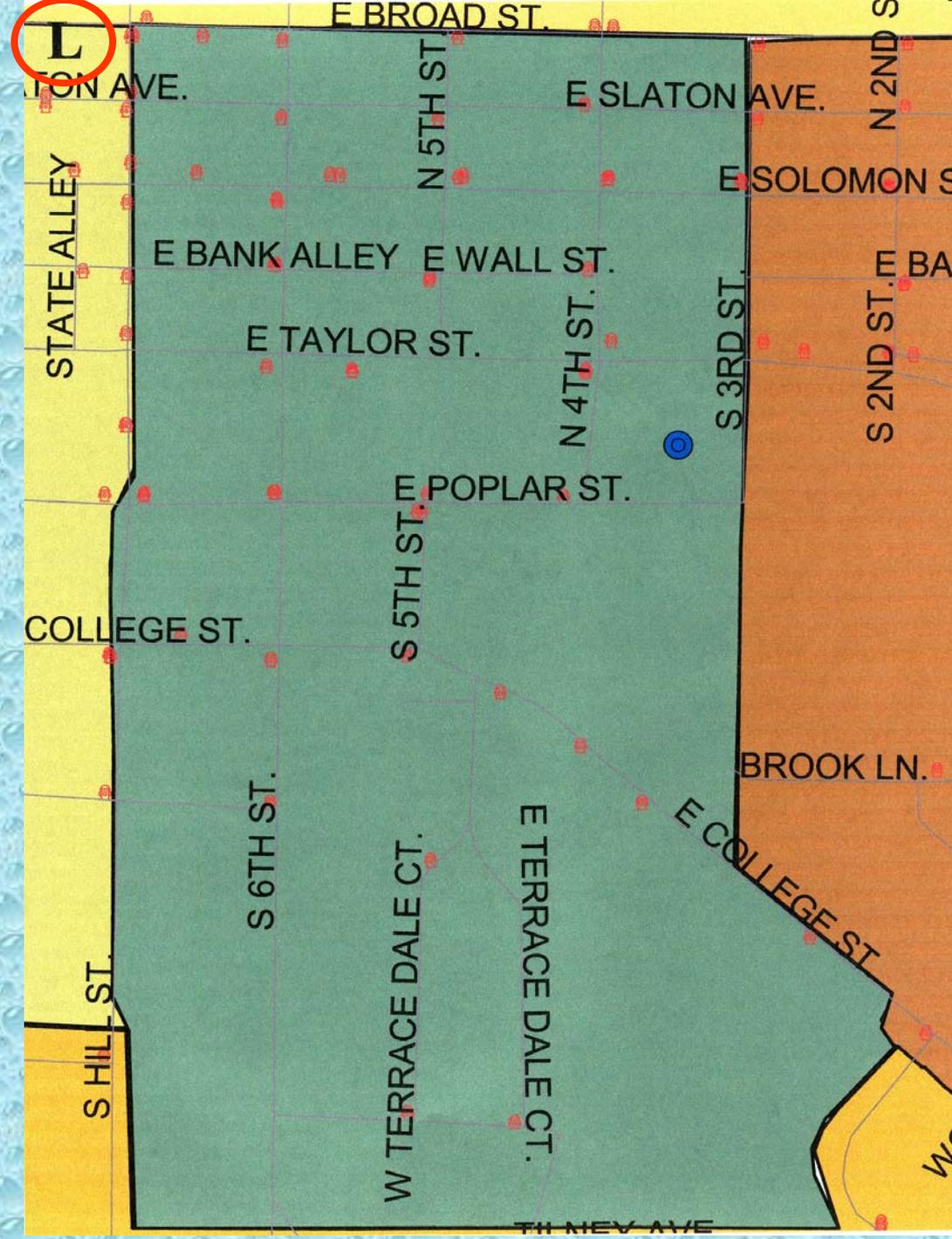
N BROOKWOOD TERR.
BROOKWOOD TERR.

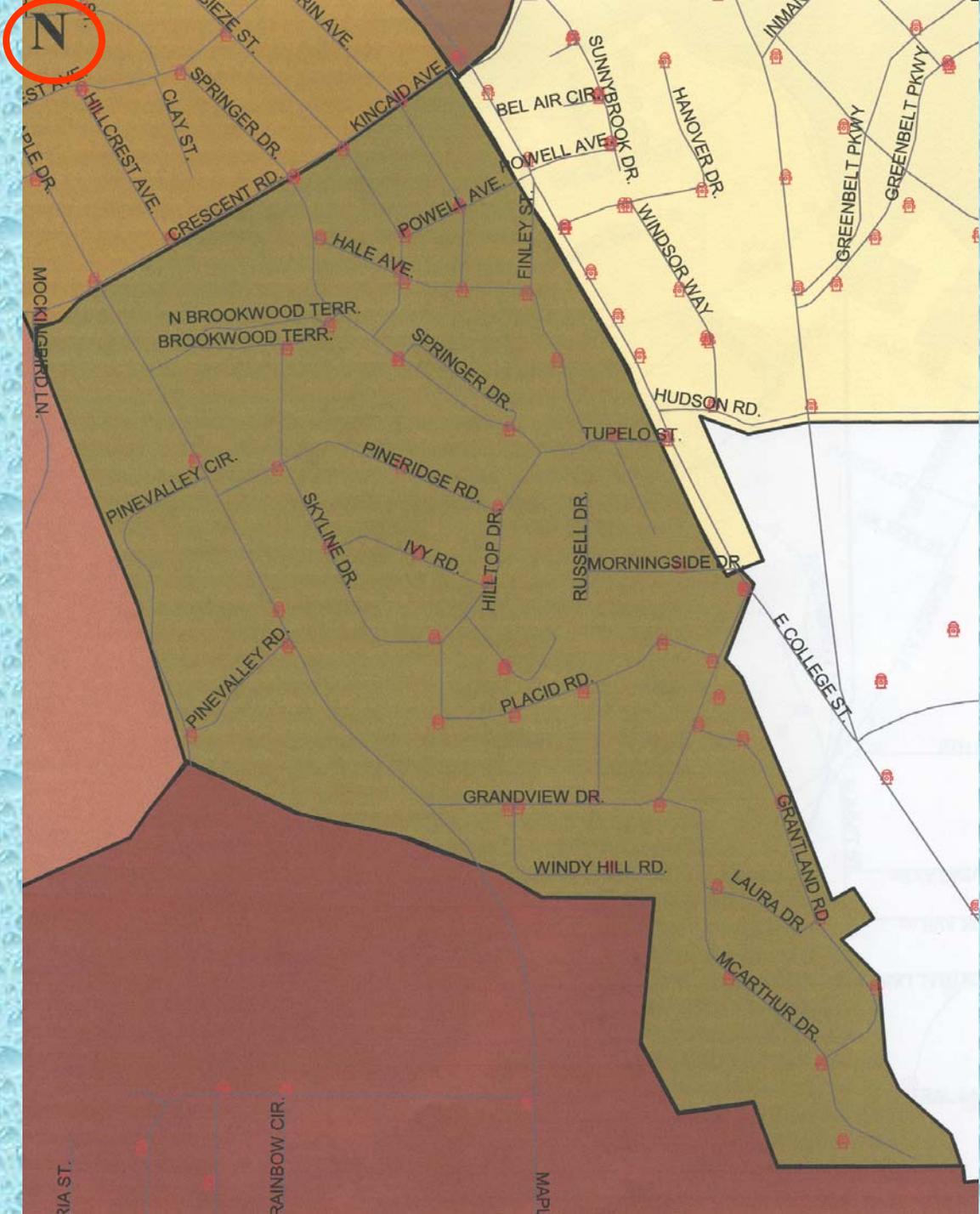
HALE AVE.

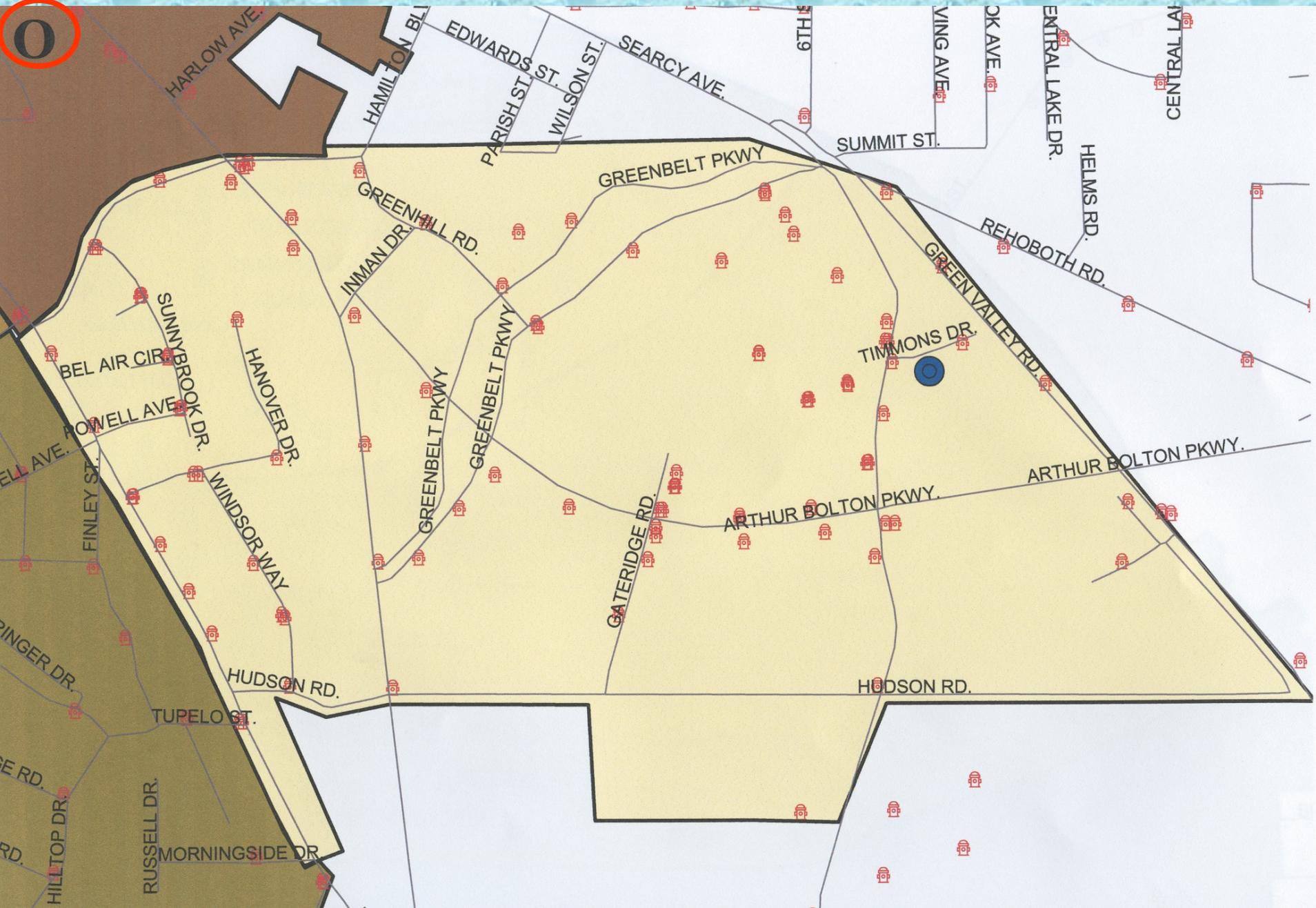
MMIT DR.

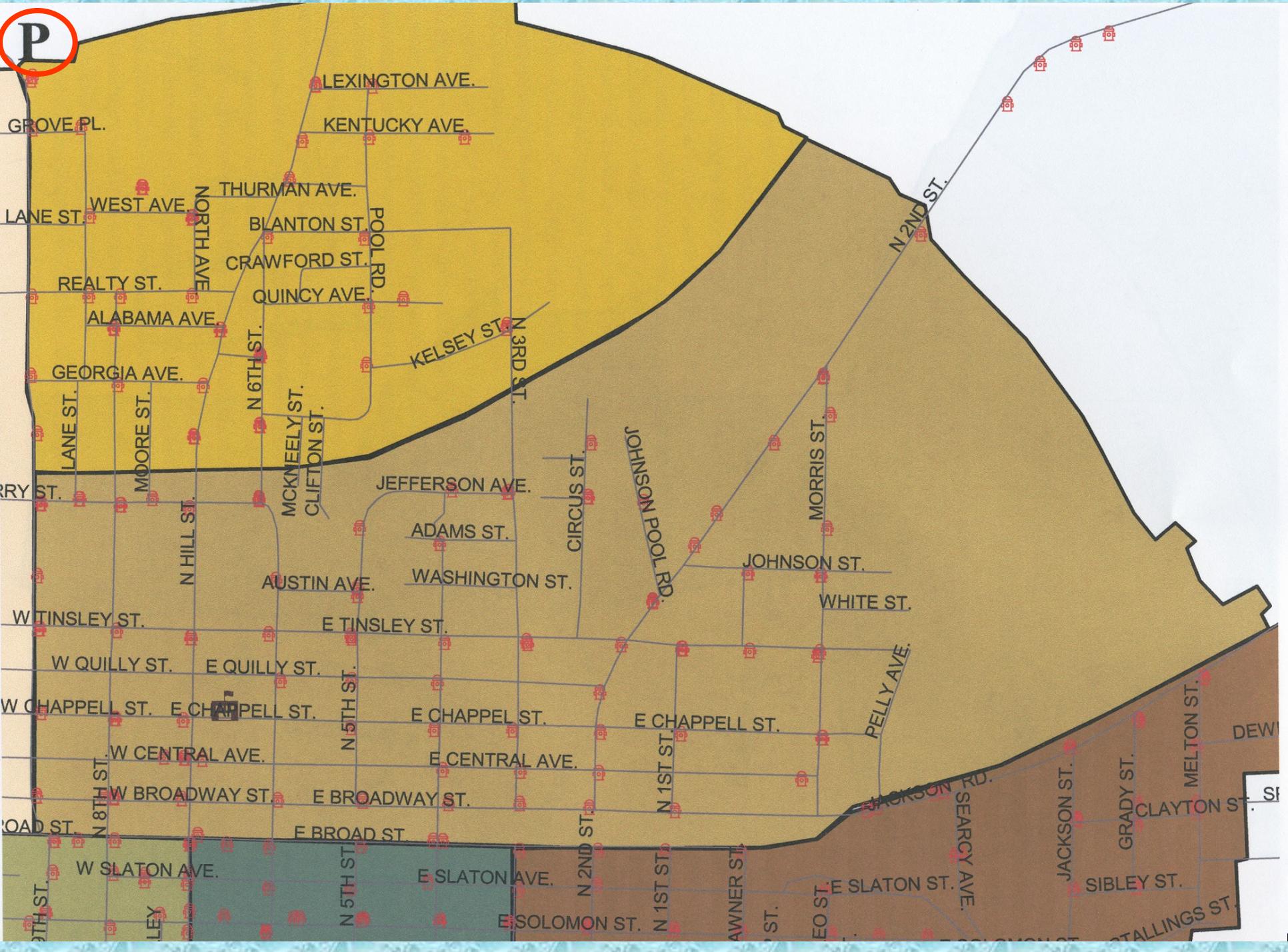
VALLEY CIR.

PINERIDGE RD.

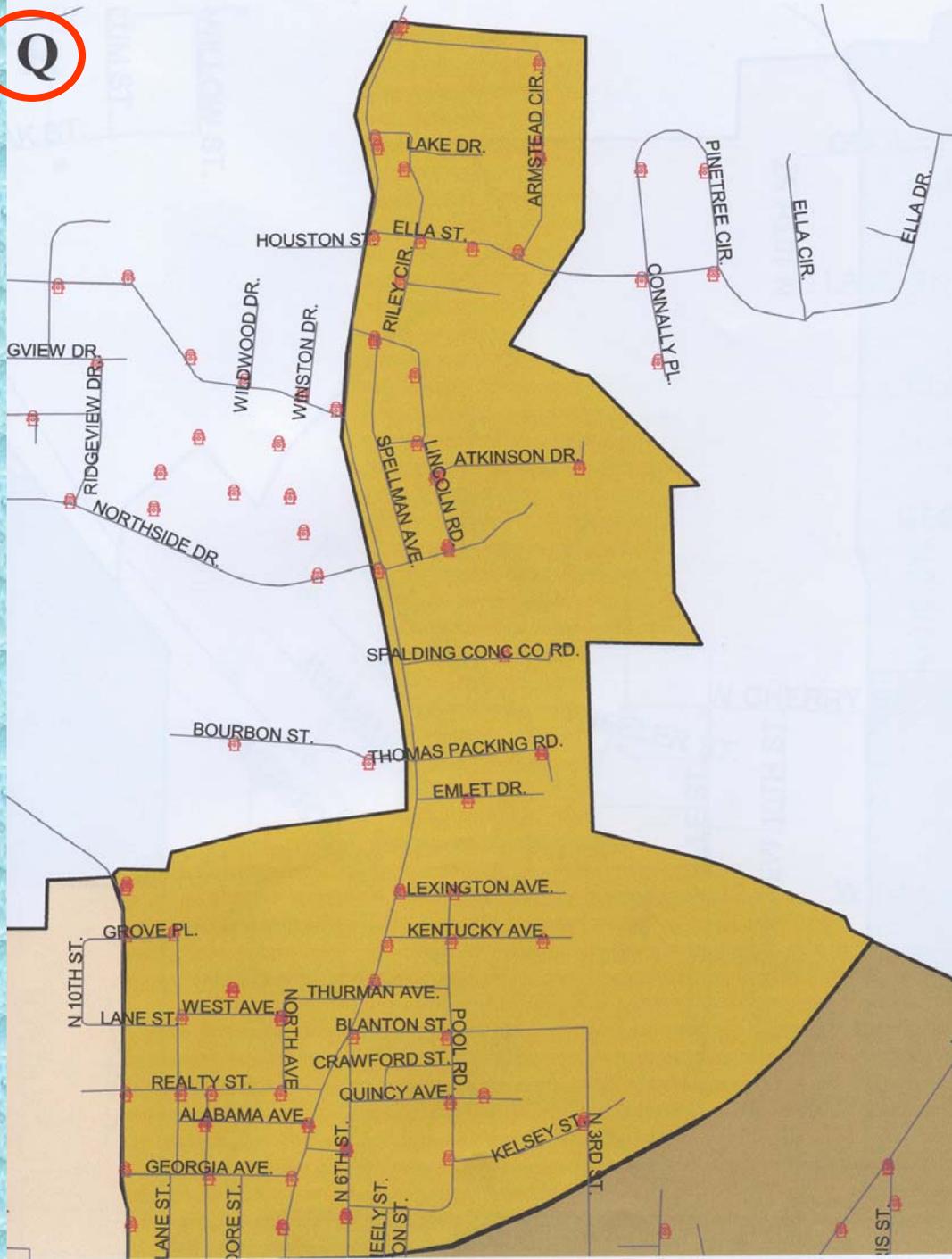








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Hydrant Maintenance & Testing Report

Griffin Fire Department

Area:(Station # 1, 2, or 3)		Sector:A-R		Hydrant #	Three digits	
Old Hydrant #						
Physical Location:						
Height to Center of Lowest Connection:						
Operating Nut Turns:		Clockwise		Counterclockwise		
Hydrants Openings:	2.5"		4.5"			
Caps Replaced:	2.5"		4.5"			
Paint Condition	Good		Poor			
Operation	Smooth		Difficult			
Flow Time:		Minutes		Location: North		
Static Pressure:		PSI				
Flow Pressure:		PSI				
Gallons per Minute:		GPM				
Drainage:	Yes	No				
Other Defects:						
Inspected By:						
Date:						
Time:						