

Electric Fence Code Amendment Proposal



Application: Z1500056COMP

Applicant: Electric Guard Dog Fencing LLC

Municipal Code Amendment

November 18, 2015 Plan Commission Workshop

Background

Applicant:



Electric Guard Dog LLC
121 Executive Center Dr. Suite 230
Columbia, SC 29210



Background

Request:

Electric Guard Dog LLC is seeking a Text Amendment to the Spokane City Fence code, to allow business owners in Commercial and Industrial zones to install electric fence security systems inside their existing perimeter fence.

Purpose:

Provide secure locations for businesses to operate and store equipment and merchandise outdoors.



Features

The text amendment is to install electric fence security systems with the following features:

- 10 -feet high
- 4"-12" inside an existing perimeter fence
- Perimeter fence of 6' minimum height
- Independent of City's electrical grid



Features

- Powered by 12-Volt Marine battery and solar panel
- Pulsed current, shock delivered every 1.3 seconds for one-ten thousandth of a second
- Shortness of duration makes it safe to use
- Tested & Approved by MetLabs, Nationally recognized testing lab with equal authority as UL
 - Dr. Webster, University of Wisconsin, leading expert in pulsed electricity
 - Adheres to International Standard IEC 60336.2.76
- Signage posted a minimum of every 60' warns of electric fence

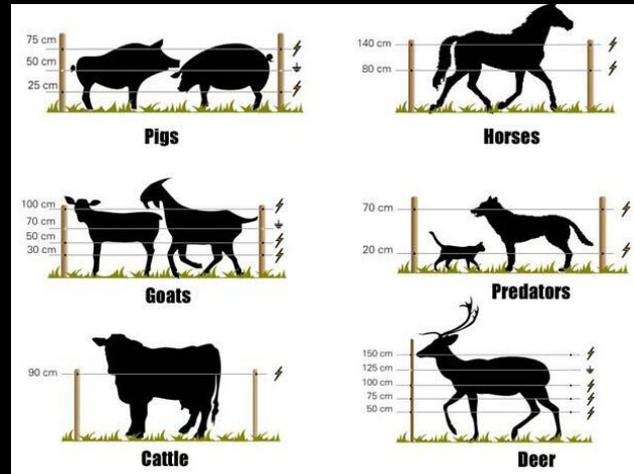


Current Spokane City Code

Residential Zones

SMC 17C.110.230 (E)

(2) No person may construct or maintain a fence or barrier charged with electricity in the RSF, RTF, RMF, or RHD zones. In the RA zone, the use is permitted for the containment of livestock only.



Current Spokane City Code

Commercial and Industrial zones

SMC 17C.120.310 (D) – Commercial;

SMC 17C.124.310 (D) – Downtown;

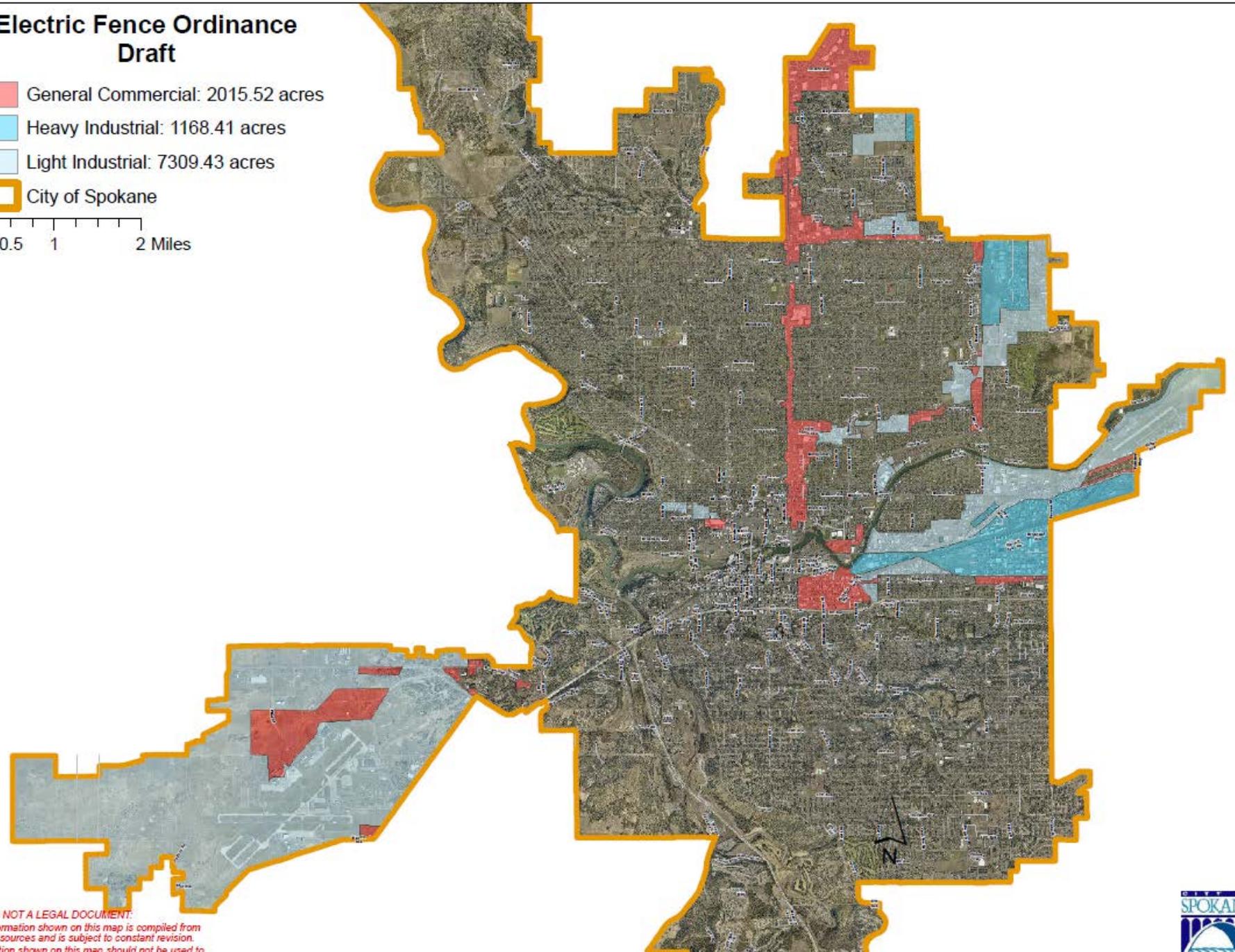
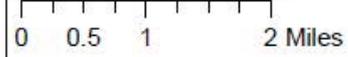
SMC 17C.130.310 (D) – Industrial;

(2) No person may maintain a fence or barrier charged with electricity.



Electric Fence Ordinance Draft

-  General Commercial: 2015.52 acres
-  Heavy Industrial: 1168.41 acres
-  Light Industrial: 7309.43 acres
-  City of Spokane



THIS IS NOT A LEGAL DOCUMENT.
The information shown on this map is compiled from various sources and is subject to constant revision. Information shown on this map should not be used to determine the location of facilities in relationship



This map is for convenience only.
 If you have specific Zoning questions call the
 Current Planning section of the
 Planning Department at 509.625.6300
 or visit them at:
 Spokane City Hall, Third Floor
 608 W. Spokane Falls Blvd.
 Spokane, Washington
 Other land related information is available on
 Spokane's Internet mapping utility at:
www.spokaneimg.org

Current Zoning

Date: April 2015

Produced By: Planning & Development Services

Legend

- Zoning Classifications
- | | | | |
|--|-----|--|-----|
| | RA | | CA4 |
| | RBF | | CB |
| | RTP | | CC1 |
| | RMF | | CC2 |
| | RHD | | CC4 |
| | OR | | LI |
| | O | | HI |
| | NR | | OTC |
| | GC | | OTU |
| | CA1 | | OTS |
| | CA2 | | OTS |
| | CAS | | |

- Select Zoning Overlays
- CC3
 - North River

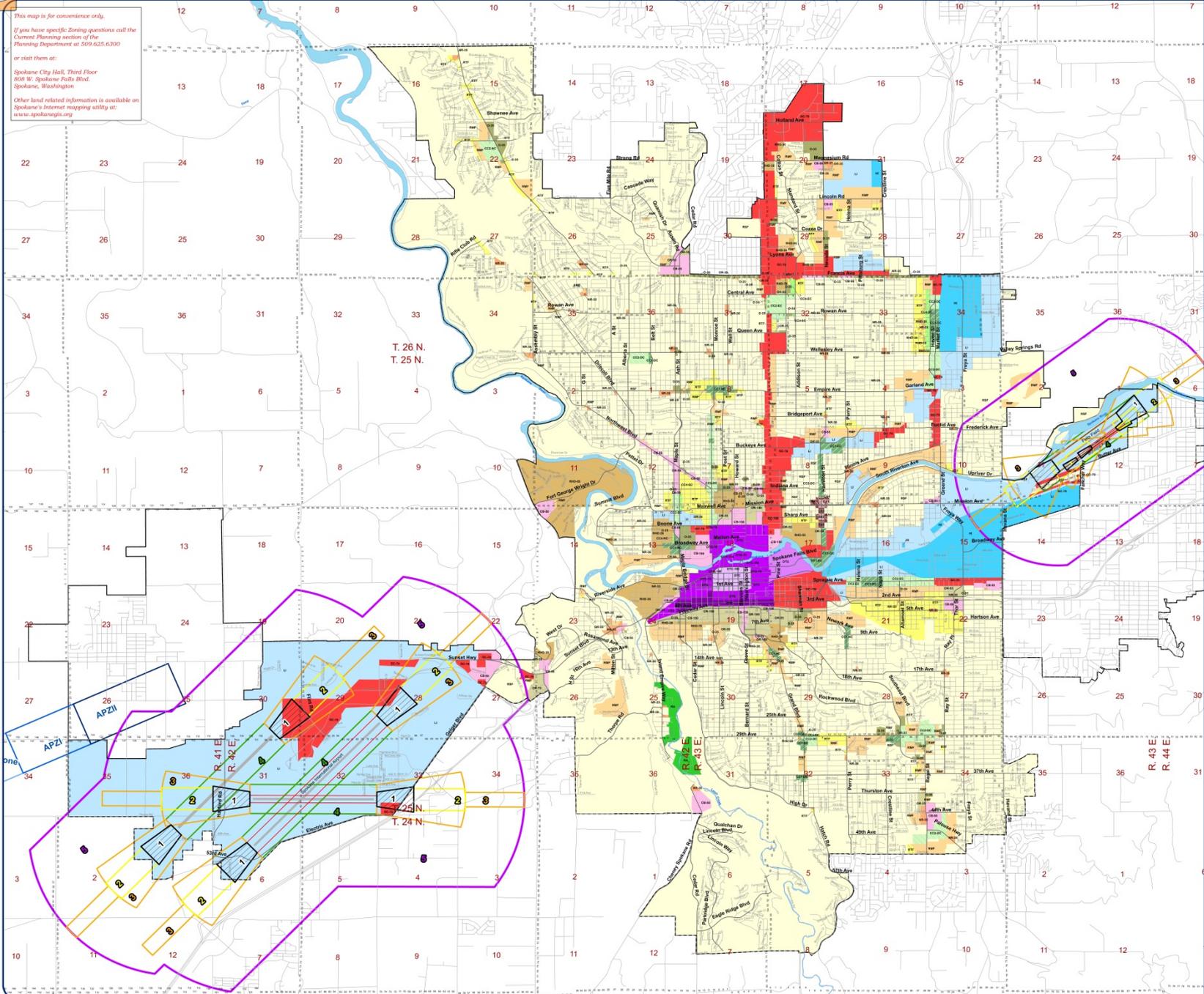
Airfield Overlay Zones

- Runway
- Primary Surface
- ACZ-1 Runway Protection
- ACZ-2 Inner Approach/Departure
- ACZ-3 Inner Turning Zone-Outer Approach/Departure
- ACZ-4 Sideline
- ACZ-5 Traffic Pattern
- Clear Zone
- APZ I
- APZ II

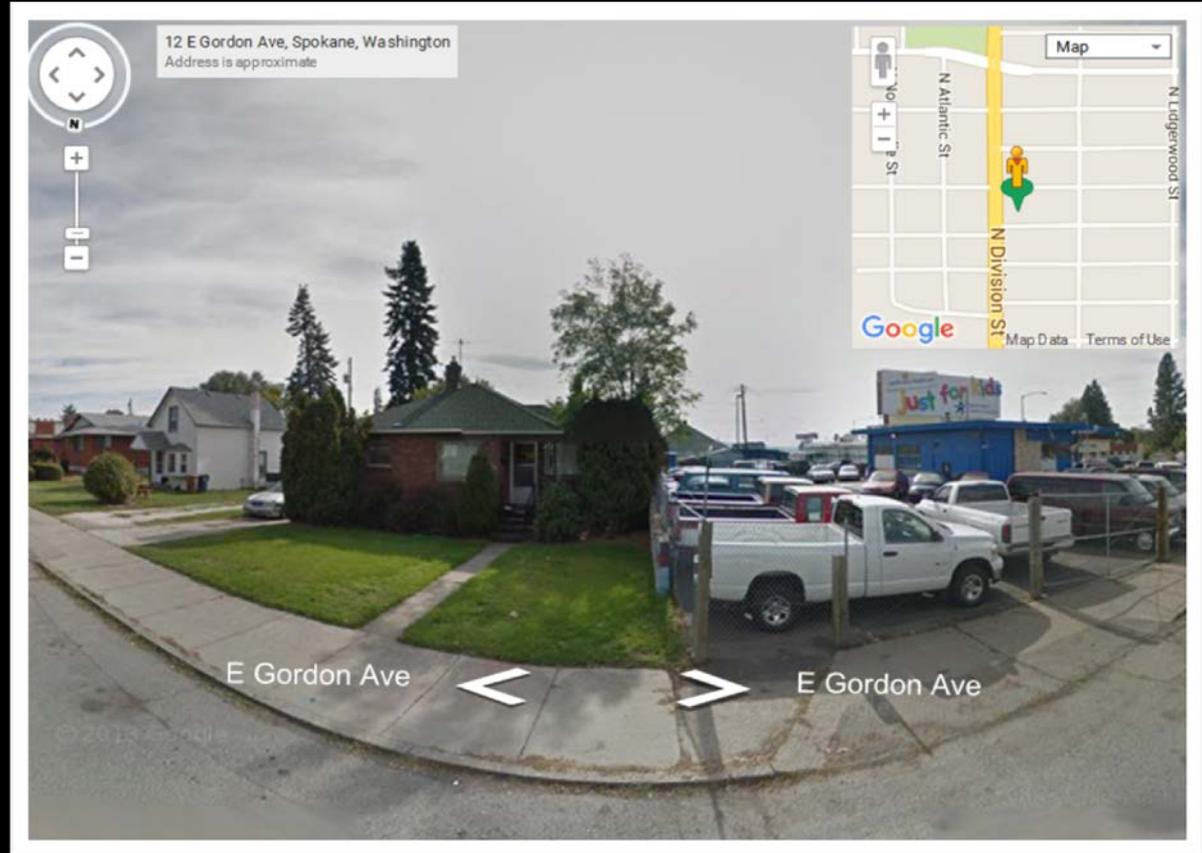
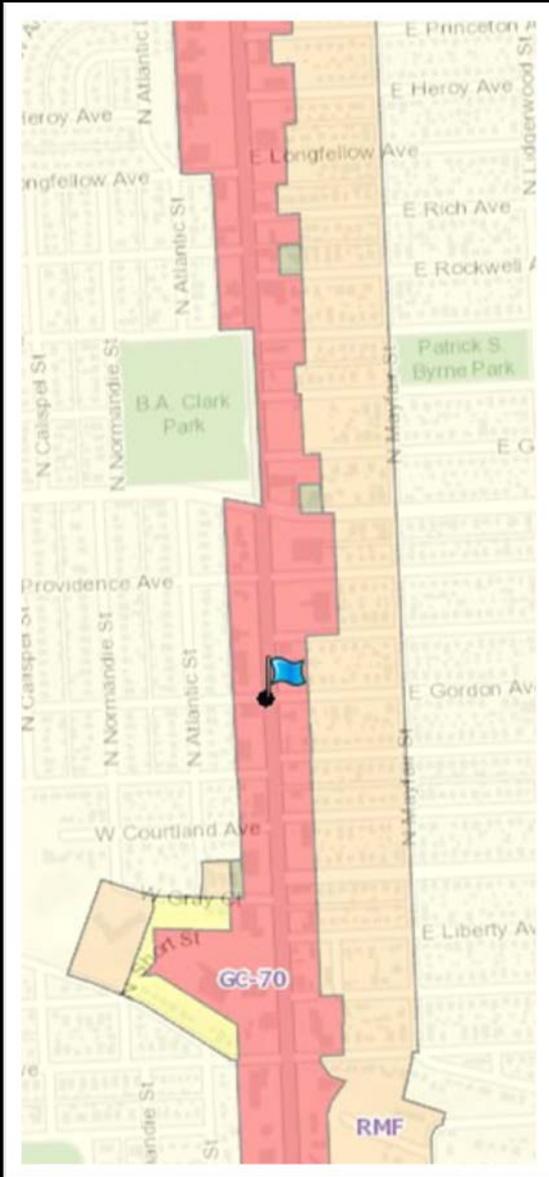
- Base Information
- Municipal Boundary
 - Highways
 - River
 - Arterials
 - Township Lines
 - Roads
 - Section Lines
 - Quarter Sections



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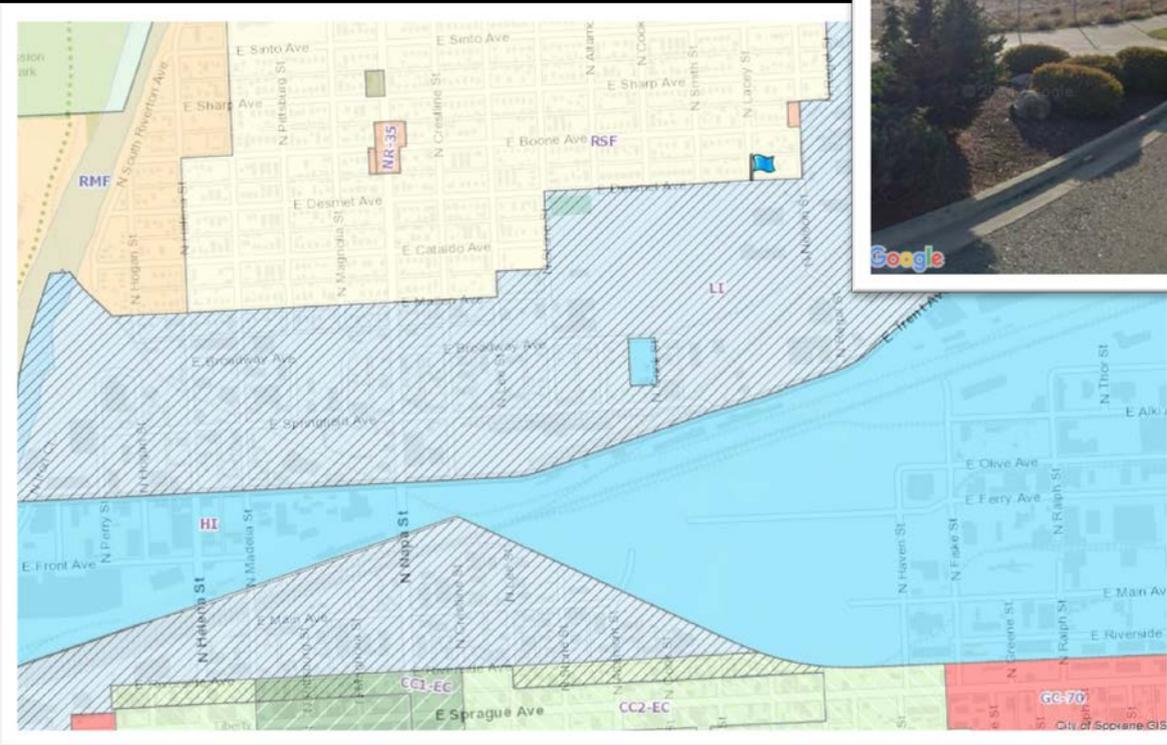
Division & Gordon



Nevada and Lincoln



Desmet and Lacey



Proposed Electric Fence Ordinance

SMC 17C.120.310 General Commercial

SMC 17C.130.310 Light Industrial and Heavy Industrial

The construction and use of electric fences shall be allowed in the city only as provided in this section, subject to the following standards:

1. Permit: Prior to the installation or use of any electrified fence, the property owner or tenants of the property upon which such fencing will be installed or used shall submit a completed application for review of such fencing as a building permit review to receive approval for the fence and electrical permits for the project. **The application shall include:**
 - a. Site plan showing the location of the protective barrier and the electrified fence on the property in relation to the property lines, walkways, existing buildings, and curb;
 - b. Fence details showing both the electrified fence and protective barrier, including all gates;
 - c. All supporting documentation from the electric fence manufacturer, equipment to be used, and certification of service from the monitoring provider.



Proposed Electric Fence Ordinance

The construction and use of electric fences shall be allowed in the city only as provided in this section, subject to the following standards:

2. IEC Standard 60335-2-76: Unless otherwise specified herein, electric fences shall be constructed or installed in a conformance with the specifications set forth in International Electro technical Commission (IEC) Standard No. 60335-2-76.

3. Electrification:
 - a. The energizer for electric fences must be driven by a commercial storage battery not to exceed 12 volts DC. The storage battery is charged primarily by a solar panel. However the solar panel may be augmented by a commercial trickle charger.

 - b. The electric charge produced by the fence upon contact shall not exceed energizer characteristics set forth in paragraph 22.108 and depicted in Figure 102 of IEC Standard No. 60335-2-76.



Proposed Electric Fence Ordinance

The construction and use of electric fences shall be allowed in the city only as provided in this section, subject to the following standards:

4. Perimeter fence or wall: No electric fence shall be installed or used unless it is completely surrounded by a non-electrical fence or wall that is not less than six feet tall.
 - a. There shall be a space of four (4) to twelve (12) inches between the electric fence and the perimeter fence or wall; and
 - b. The exterior fence has solid covering (e.g. solid mesh, slats, etc.) to protect the aesthetics of commercial areas and to further prevent contact with the electric fence. (General Commercial only)
 - c. Electric fences shall be subject to the screening requirements of [SMC 17C.200.070](#).

Proposed Electric Fence Ordinance

5. Location:
 - a. Electric fences shall be permitted on any non-residential outdoor storage areas.
 - b. Electric fences shall not be installed within one hundred fifty (150) feet of a property line for a residence, or from a school, or day care facility, unless the exterior perimeter non-electrified fence is covered with a solid covering (e.g. solid mesh, slats, etc.) to further prevent contact with the electric fence. (Industrial Only)
6. Height: Electric fences shall have a minimum height of 8 feet and a maximum height of 10 feet.
7. Warning signs: Electric fences shall be clearly identified with warning signs that read: “Warning-Electric Fence” at intervals of not less than sixty feet.
8. Electric fence burglar alarms shall be governed and permitted under Title 10 Regulation of Activities, Chapter 10.48 False Alarms.



Proposed Electric Fence Ordinance

9. Hours of Activation: Electric fences shall not be activated between the hours of 8am and 5pm, except:
 - a. On days when the business is closed, such as weekends or holidays;
or
 - b. When security personnel is available on-site to deactivate the electric fence

10. Key Box
 - a. Electric fences shall have installed a key box system in accordance with the Spokane Fire Department standards
 - b. The electric fence controller and emergency key safe for the electric fence must be located in a single accessible location for the entire fence

11. Fire Department Registration: Prior to the installation or use of any electrified fence, the property owner or tenants of the property upon which such fencing will be installed or used shall submit a completed registration for such fencing to the Fire Department using forms provided by the Fire Chief.



Proposed Electric Fence Ordinance

12. Indemnification: All applicants issued a permit to install or use an electric fence as provided in this **section** shall agree, as a condition of permit issuance, to defend, indemnify and hold harmless the City of Spokane and its agents, officers, consultants, independent contractors and employees from any and all claims, actions or proceedings, including but not limited to those arising out of any personal injury, including death, or property damage caused by the electric fence.



Proposed Electric Fence Ordinance

13. Emergency Access: In the event that access by the City of Spokane Fire Department and/or Police Department personnel to a property where a permitted electric fence has been installed and is operating, is required due to an emergency or urgent circumstances, and the Knox Box or other similar approved device referred to in this section is absent or non-functional, and an owner, manager, employee, custodian or any other person with control over the property is not present to disable the electric fence, the fire or police personnel shall be authorized to disable the electric fence in order to gain access to the property. As a condition of permit issuance, all applicants issued permits to install or use an electric fence as provided in this section shall agree in writing to waive any and all claims for damages to the electric fence against the City of Spokane and/or its personnel under such circumstances.

14. It shall be unlawful for any person to install, maintain or operate an electric fence in violation of this section.



Jurisdictions that **ALLOW** electric fences Industrial zones

- Vancouver
- Renton
- Lynwood
- Bellevue
- Newcastle
- Pasco
- Sammamish



Jurisdictions that **PROHIBIT** electric fences in Industrial zones

- Richland
- Federal Way
- Buckley
- Redmond
- Everett
- Kennewick
- Spokane Valley

Plan Commission Feedback

- Feedback on SMC Language Proposed
- Next Steps
- Questions

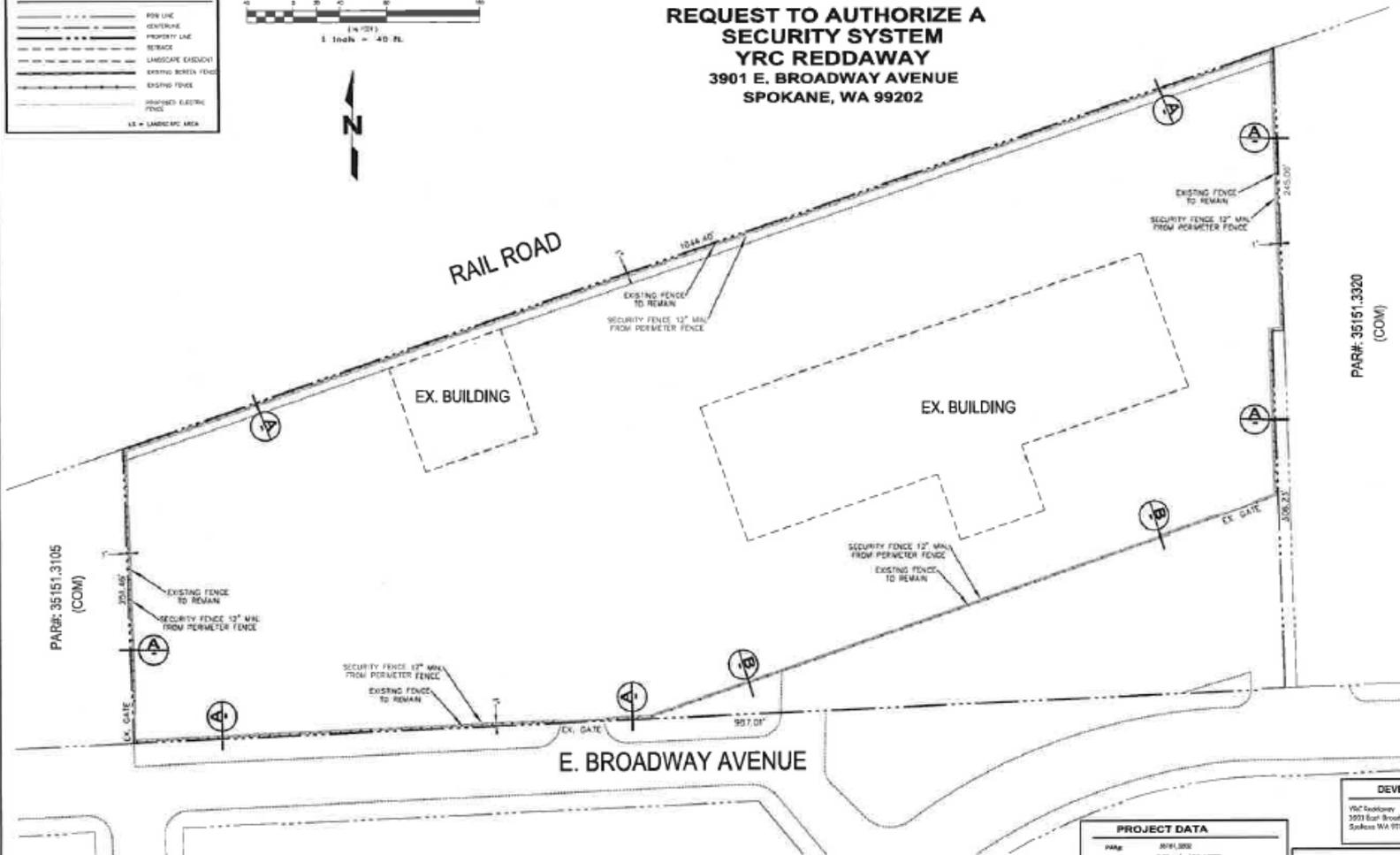
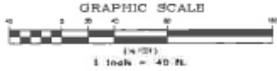


Thank you

**SITE PLAN
REQUEST TO AUTHORIZE A
SECURITY SYSTEM
YRC REDDAWAY
3901 E. BROADWAY AVENUE
SPOKANE, WA 99202**

LEGEND

---	POB LINE
---	GENERATE LINE
---	PROPERTY LINE
---	SETBACK
---	LANDSCAPE EXISTENT
---	EXISTING BORDER FENCE
---	EXISTING FENCE
---	PROPOSED EXISTING FENCE
---	LS = LANDSCAPE AREA



#	DATE	DESCRIPTION

Electric Guard Dog
7608 Fairfield Road
Chamblee, GA 30303
PHONE: 404-484-3371
FAX: 404-484-3378

REQUEST TO AUTHORIZE A SECURITY SYSTEM
3901 E. BROADWAY AVENUE
SPOKANE, WA 99202
PAR#: 35151.3202

DEVELOPER
YRC Reddaway
3901 East Broadway Ave
Spokane WA 99202

DATE: APR. 03, 2013
SCALE: 3" = 40'

1 OF 3

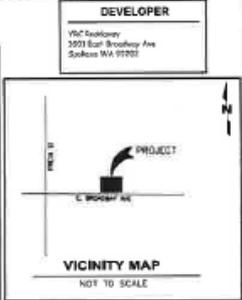
PROJECT DATA

PAR#	35151.3202
ACRES	8.00 +/- NET ACRES 8.00 +/- GROSS ACRES
BUILDING FOOTPRINT	42800 TOTAL SQ. FT.
LOT COVERAGE	16.5% COVERAGE
ZONING	OSR REG. COM PROPOSED COM
PARKING	REQUIRES 43 SPACES PROVIDED 43 SPACES
MINIMUM FENCE SETBACKS	FRONT - 7' REAR - 7' SIDE - 7'

NOTES

1. FENCE LOCATIONS SHALL BE LOCATED APPROXIMATELY ON EACH END OF SETBACK AS SHOWN BY THE GRADE SHOWN TOURN IN FENCE LINE. FENCE SHALL BE LOCATED APPROXIMATELY EVERY 30'.

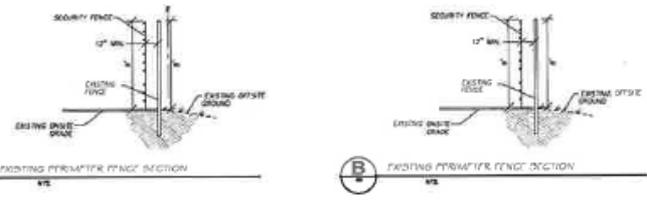
2. CHECK WITH LOCAL AGENCIES FOR ANY SPECIAL REQUIREMENTS FOR FENCES, SIGNAGE OR OTHER PUBLIC USES.



GENERAL NOTES:

1. THIS PROJECT IS NOT LOCATED IN THE 100-YEAR FLOOD ZONE. THERE ARE NO FLOODING OR DRAINAGE CONCERNS ON THE PROPERTY.

2. ALL CONCRETE AND LANDSCAPE SHALL BE MAINTAINED BY A LICENSED LANDSCAPE CONTRACTOR. THERE ARE NO RESTRICTIONS FOR PARKS, SCHOOLS OR OTHER PUBLIC USES.



SITE PLAN

SHEET NO.



City	Zones Allowed	Barrier Requirements	Flow	Signage	Certification
Vancouver	Commercial Industrial Non-residential	No specs	Only allowed at the top to a security fence as an accessory. 2' of such wire can be attached to the top of a 6' wall or fence, as long as it is vertical or angled in toward the enclosure.	No specs	National Electrical Code
Lynnwood	All zones	No specs	1 and 2 sec intervals. 2,000 volts at 17 milliamp. Continuous current limit to 1,500 volts at 7 milliamp	100 feet	U.L.
Bellevue	All zones	Additional fencing	1 and 2 sec intervals. 2,000 volts at 17 milliamp. Continuous current limit to 1,500 volts at 7 milliamp	15 feet	ANSI
Applicant's Proposal	Commercial Industrial	Perimeter fence min of 6'	Pulsed current, every 1.3 sec for one-ten thousandth of a second	60 feet	MetLabs

City	Zones Allowed	Barrier Requirements	Flow	Signage	Certification
Newcastle	All zones	R-4 through R-48 zones, additional fencing or other barriers shall be constructed to prevent inadvertent contact with the electric fence from abutting property	Intervals of 1 and 2 sec off limited to 2,000 volts at 17 milliamp	50 feet	ANSI
Richland	Agriculture, C-3 district, Business, Industrial zones around storage areas	All zoning set backs and behind property line	No specs	No specs	No Specs
Sammamish	All zones	R-4 through R-18 require additional fencing or other barrier	Intervals of 1 and 2 sec off limited to 2,000 volts at 17 milliamp. Continuous current is limited to 1,500 volts at 7 milliamp	50 feet	ANSI
Renton	Commercial Industrial	No specs	No specs	15 feet	National Electrical Code
Applicant's Proposal	Commercial Industrial	Perimeter fence min of 6'	Pulsed current, every 1.3 sec for one-ten thousandth of a second	60 feet	MetLabs