

APPLICATION FOR

SUBDIVISION MINOR SUBDIVISION VARIANCE SPECIAL USE ZONE CHANGE TEXT AMENDMENT

CITY OF DALTON GARDENS | 6360 N 4th St Dalton Gardens ID 83815 | (208) 772-3698 | www.daltongardens.com

Property Owner(s): AVISTA CORP

Phone: 509 495 4550 Email: aaron.henson@avista.com

Applicant: AARON HENSON - AVISTA CORP

Phone: _____ Email: _____

Engineer/Surveyor: AARON HENSON - AVISTA CORP

Phone: _____ Email: _____

Property Address: 84 EAST PRAIRIE AVE

Parcel Identification Number: D-0000-025-3200

Maximum slope of property ± 2% Minimum Slope ± 1%

For Subdivision: How will roads, water systems & storm water systems be maintained? (attach)

Will a Homeowners Association be created? (attach)

For Zoning Change: Current Zoning _____ Proposed Zoning _____

Proposed Request:

THE FEDERAL ENERGY REGULATORY COMMISSION (FERC) REQUIRES THAT ELECTRICAL SUBSTATIONS MEET A HIGHER LEVEL OF PHYSICAL SECURITY DUE TO THE NATURE OF THE FACILITY. AVISTA HAS IDENTIFIED THIS FACILITY AS REQUIRING AN 8-FT CUT/CLIMB RESISTANT FENCE W/ ANTI CLIMB DEVICE.

Application is subject to the scheduling of the City upon determination that the application is complete. Burden of proof and compliance with City of Dalton Gardens Municipal Code are the responsibility of the Applicant. Fees include one review of the application and one site visit. Subsequent review and site visits will be billed at \$30/ hour and must be paid prior to a final decision by City Council &/or Planning Commission. All fees are nonrefundable. Applicant initials ABH Date 12/16/19.

I attest that the application, attachments and exhibits are true and complete to the best of my knowledge.

Sign: Aaron Henson Date: 12/5/19

- Application Package Complete Date _____
- Fees Paid Date _____ Check # _____
- Public Hearing scheduled: Planning Commission Date _____
- Public Hearing scheduled: City Council Date _____
- Approved or Denied Date _____
- Order of Decision Received Date _____

AFFIDAVIT OF REPRESENTATION

I (print) AARON HENSON am the authorized representative of the property owner(s) AVISTA CORP

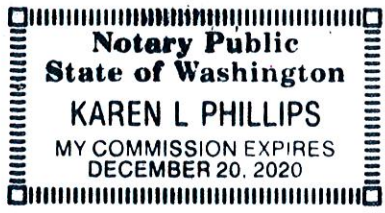
I will act in their behalf on the following project: DALTON GARDENS SUBSTATION
SECURITY FENCE INSTALLATION

The property address or description is: 84 EAST PRAIRIE AVE

Parcel Identification Number: D-0000-025-3200

Sign: [Signature] Date: 12/16/19

Notarized:



I/we (print) AARON HENSON as legal owner(s) of the property described above, authorize the above named individual/ firm to represent me/us on the project described.

Sign: _____ Date: _____

Sign: _____ Date: _____

Notarized: Karen L Phillips
Spokane
Washington
exp 12/20/2020



Interoffice Memorandum
Engineering & System Operations
Substation Engineering

DATE: 10/13/17

TO: Substation Design Standards Team

FROM: Aaron Henson, Substation Civil Engineer
Monte Scribner, Physical Security Engineer

SUBJECT: Substation Physical Security Basis of Design

This memo outlines the minimum standards for the substation physical security as required by Federal Energy Regulatory Commission and the National Electric Safety Code as adopted by Avista.

Substation physical security refers to the physical barrier between the public and the energized substation equipment. This barrier can take several different forms but must provide adequate workspace for operation, maintenance and replacement of substation equipment as well as being a cost effective security solution to the assessed risks.

In April of 2013, Pacific Gas and Electric's Metcalf substation was the subject of an act of sabotage that disabled communications with the substation and inflicted extensive damage to substation high voltage equipment. This act of terrorism was the catalyst for a directive from FERC requiring NERC to develop a Critical Infrastructure Protection (CIP) standard regarding physical security for electrical substations and control centers. This standard was issued in 2014 as NERC CIP-014.

Prior to the Metcalf event, Avista's perimeter security philosophy was based on the need for public safety; post Metcalf, the Utility industry has shifted to a defensive perimeter security paradigm.

In 2015, Avista assigned a level of importance to each of its substations based on the CIP-014 standard. Every substation was assigned a security tier level with Tier 1 indicating the highest level of security is required and Tier 4 indicating the lowest level. The evaluation criteria and results of this study can be found in the Avista Asset Classification Guide. A summary of the classifications can be found in Table 6.7.2 of the Substation Design Practices Manual.

In 2016, Substation Engineering and Avista Security began an extensive evaluation of perimeter security solutions. The following provides the results of this evaluation and serves as the basis for a minimum physical security standard. Other separation barrier systems providing a higher level of security may always be used if the need is justified.

Table 6.7.2 Substation Security Tier Criteria

Tier 1	Over 300 MVA transformation capacity; Essential to operation and control of system (S.O. and BUCC).
Tier 2	100-300 MVA transformation capacity; Transmission stations with 4 or more breakers; High exposure to public pressure; Considerable financial impact.
Tier 3	Transmission stations with less than 4 breakers; Breakered Distribution stations; Large Distribution stations with more than 30 MVA combined transformation capacity.
Tier 4	Distribution stations with less than 30 MVA combined transformation capacity.

Perimeter barriers may consist of fencing or wall systems provided they meet the following requirements and threat levels as defined by ASTM F2781 and crash ratings by ASTM F2656.

Facility Rating	Threat Level	Perimeter Barrier System
Tier 1	Aggressive	Top of barrier shall be 120” above grade (not including the anti-climb device) and provide a minimum of 102” of reach to the top of the barrier; Shall include both anti-climb and anti-dig under measures; Barrier and Gates shall have a minimum crash rating of M30-P1; Must provide a ASTM F2781 penetration rating greater than A8 (8 minutes)
Tier 2	Medium	Top of barrier shall be 108” above grade (not including the anti-climb device); Shall include both anti-climb and anti-dig under measure; Must provide a ASTM F2781 penetration rating greater than M4 (4 minutes)
Tier 3	Medium	Top of barrier shall be 96” above grade (not including the anti-climb device); Shall include an anti-climb device; Must provide a ASTM F2781 penetration rating greater than M4 (4 minutes)
Tier 4	Low	Top of barrier shall be 84” above grade (not including the anti-climb device); Shall include an anti-climb device; Must provide a ASTM F2781 penetration rating greater than L4 (4 minutes)

All barrier systems shall be engineered for local wind and seismic loads and site soil conditions.

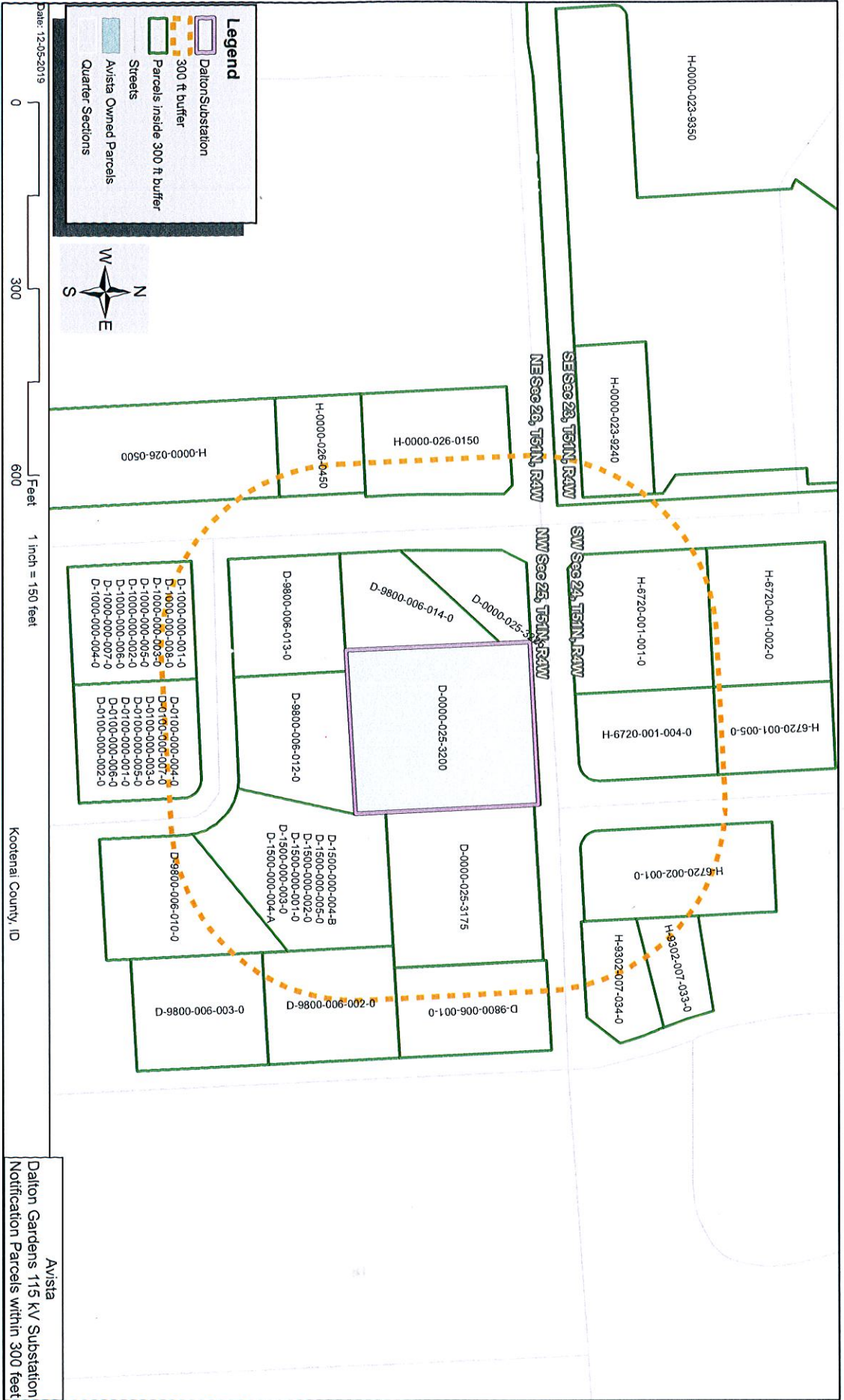
Avista's Dalton Gardens Substation



June 2019: 6-ft high chain-link fence with 3-strands of barbed wire



Example of Finished Fence: Expanded Metal panel with 5-strands of barbed wire



Avista
 Dalton Gardens 115 KV Substation
 Notification Parcels within 300 feet

E-38355

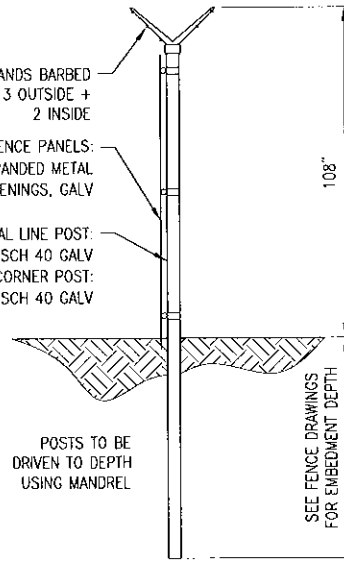
NW/4, NW/4, SE25, T51N, R4WBM
KOOTENAI COUNTY, ID

N WAYNE DR

5-STANDS BARBED
WIRE: 3 OUTSIDE +
2 INSIDE

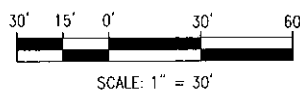
FENCE PANELS:
3/8" EXPANDED METAL
3/4" OPENINGS, GALV

TYPICAL LINE POST:
4" SCH 40 GALV
GATE/CORNER POST:
6" SCH 40 GALV



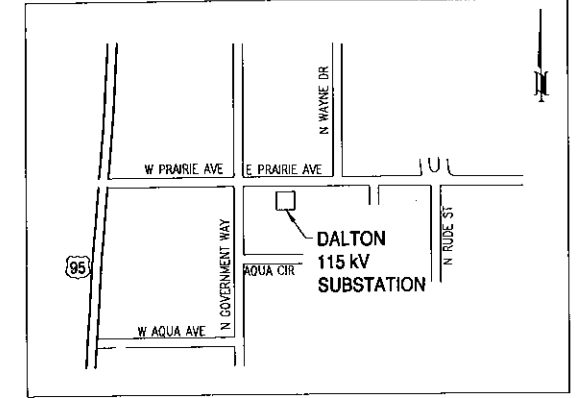
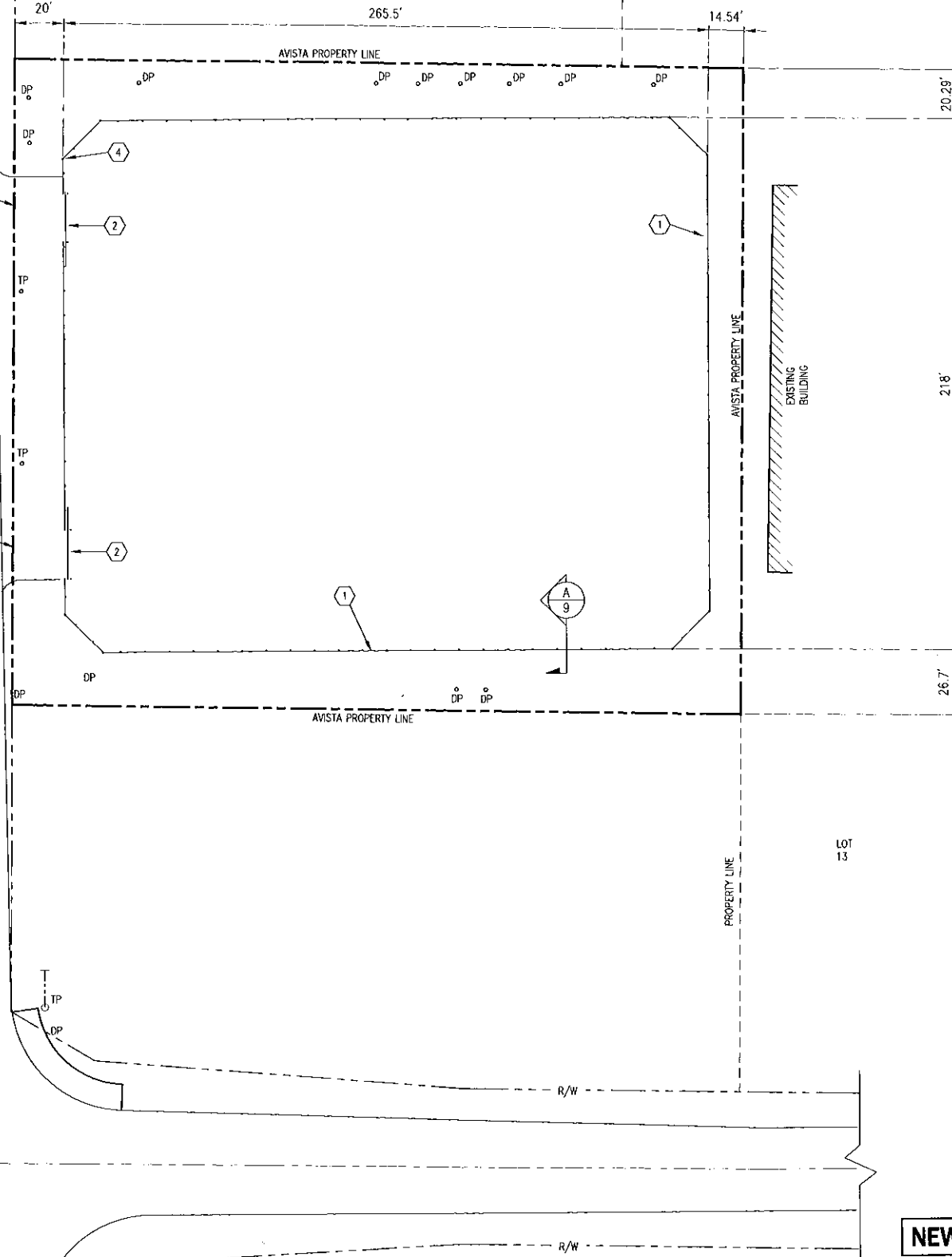
A TYPICAL FENCE SECTION
SCALE: NONE

N GOVERNMENT WAY



E PRAIRIE AVE

24 25
23 26



VICINITY MAP
SCALE: NONE

KEY NOTES

- ① SECURITY FENCE
- ② 20-FT SLIDE GATE
- ③ DRIVE APPROACH
- ④ CAMERA POLE

LEGEND

- DP DISTRIBUTION POLE
- TP TRANSMISSION POLE
- 24 25 / 26 23 SECTION CORNER (NOT FOUND)
- GUY ANCHOR
- R/W RIGHT OF WAY
- AVISTA PROPERTY LINE
- SECURITY FENCE
- ROAD CENTER LINE
- ROAD RIGHT OF WAY
- PROPERTY LINE



Know what's below.
Call before you dig.

NEW DRAWING

**CONSTRUCTION
DRAWING**

115 kV SUBSTATION
DALTON - DALTON GARDENS, IDAHO
SECURITY FENCE PLAN

AVISTA CORP
SPOKANE, WASHINGTON

1" = 30'	12-4-19	APPROVED
SCALE	DATE	
DESIGN	CHECKED RAD/CAI	12-5-19
DRAWN	NOTED	DATE
CHECKED RAC/CAI	NOTED	SHT 9 OF E-38355

0	12-4-19	ISSUED FOR PERMITTING	DLH	BRG	CAI	
NO	DATE	REVISION	BY	CKD	AS BUILT	