DEPARTMENT of PUBLIC WORKS and PLANNING

DEVELOPMENT SERVICES DIVISION

DRA 4701

Model No. LM-470

TYPE: Self-supporting, extendable, crank-up tower.

SPECIFICATIONS:

TOWER HEIGHT: Extended 69'-6"'. Retracted 25'-6".

TOWER SUPPORT: Self-supporting, no guys.

WIND LOADING: Engineering analysis indicates the tower will support an antenna with an equivalent effective projected area of 24-ft^2 at a basic wind speed of 100 MPH, 3-second gust per ANSI/TIA-222-H.

DEAD LOAD: The maximum antenna dead load is 450 *lbs*.

WEIGHT: The tower with the base weighs 1,200 pounds.

SECTIONS: The tower is made from 4 each 20 foot sections #5, #6, #7 and #8.

DESCRIPTION:

Tower is complete with a gearbox, drum, hoisting cables, and a rigid concrete base mount. The tower comes equipped with a rotator plate, manual and one set of drawings and calculations. Hoisting cable system designed to extend the tower telescopic sections uniformly.

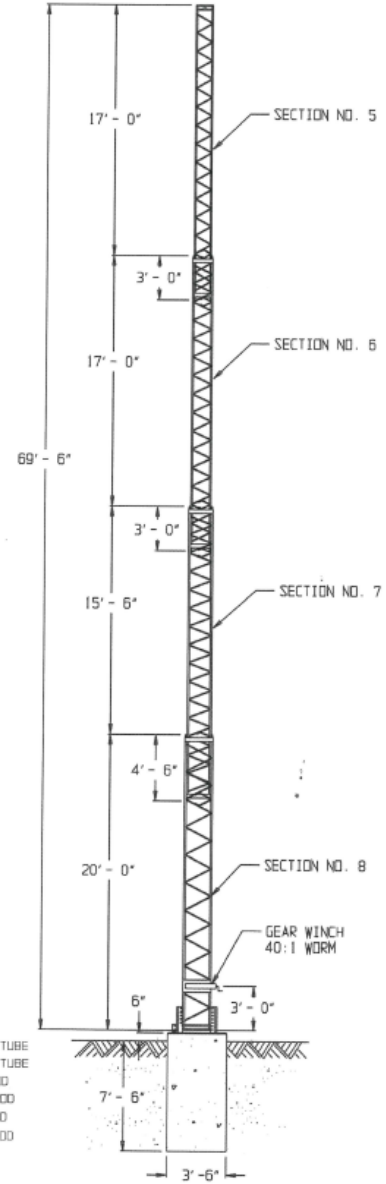
The LM-470 is motorized, and includes 1/2 HP electric motor, electric control box and two limit switches wired for 110. This tower has a positive pull down.

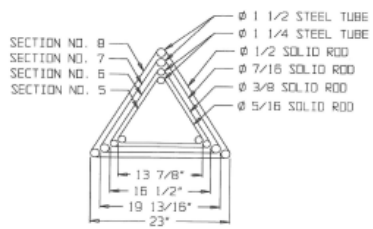
"Positive Control" worm gear winch permits the raising and lowering of LM towers without the aid of stops or locks. LM-470 uses a 40:1 ratio winch. The LM-470 also includes a pre-wired motor control assembly.

This tower has a pulley frame on two faces and uses 1/4 x 7 x 19 aircraft cable.

ACCESSORIES

RCB-70LT (#8 Wide Section)
LM-470 Manual, Drawings, Calculations
CO-4 for LM-470
Replacement Pulleys
TA-70
Masts
#5 Rotor Plates
TB-2 Thrust Bearing
Cable Kit for LM-470
RLT



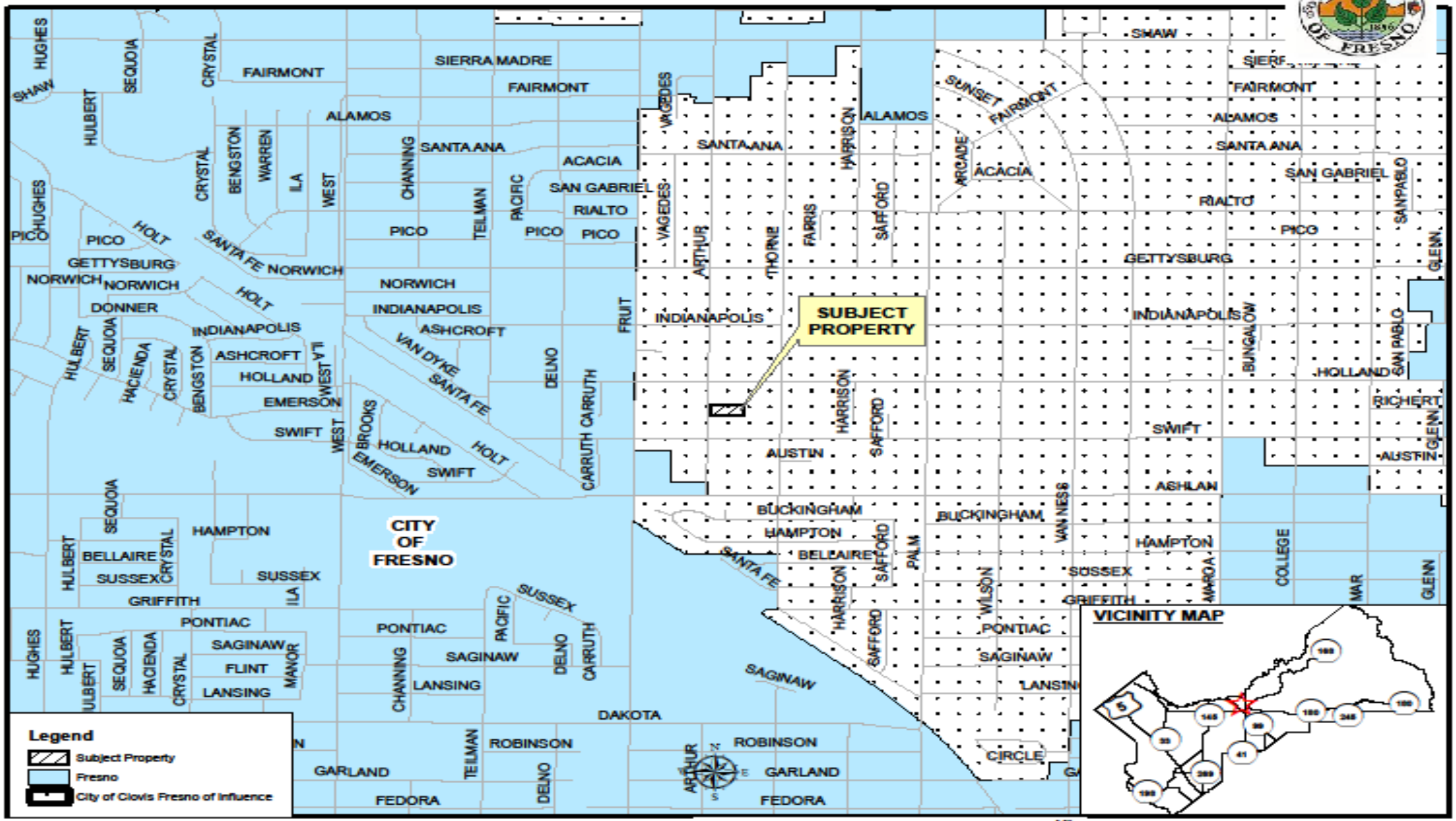


TOWER CROSS SECTION

PART# 470-4000 *$11,674.00 USD*

DRA 4701

LOCATION MAP



DRA 4701
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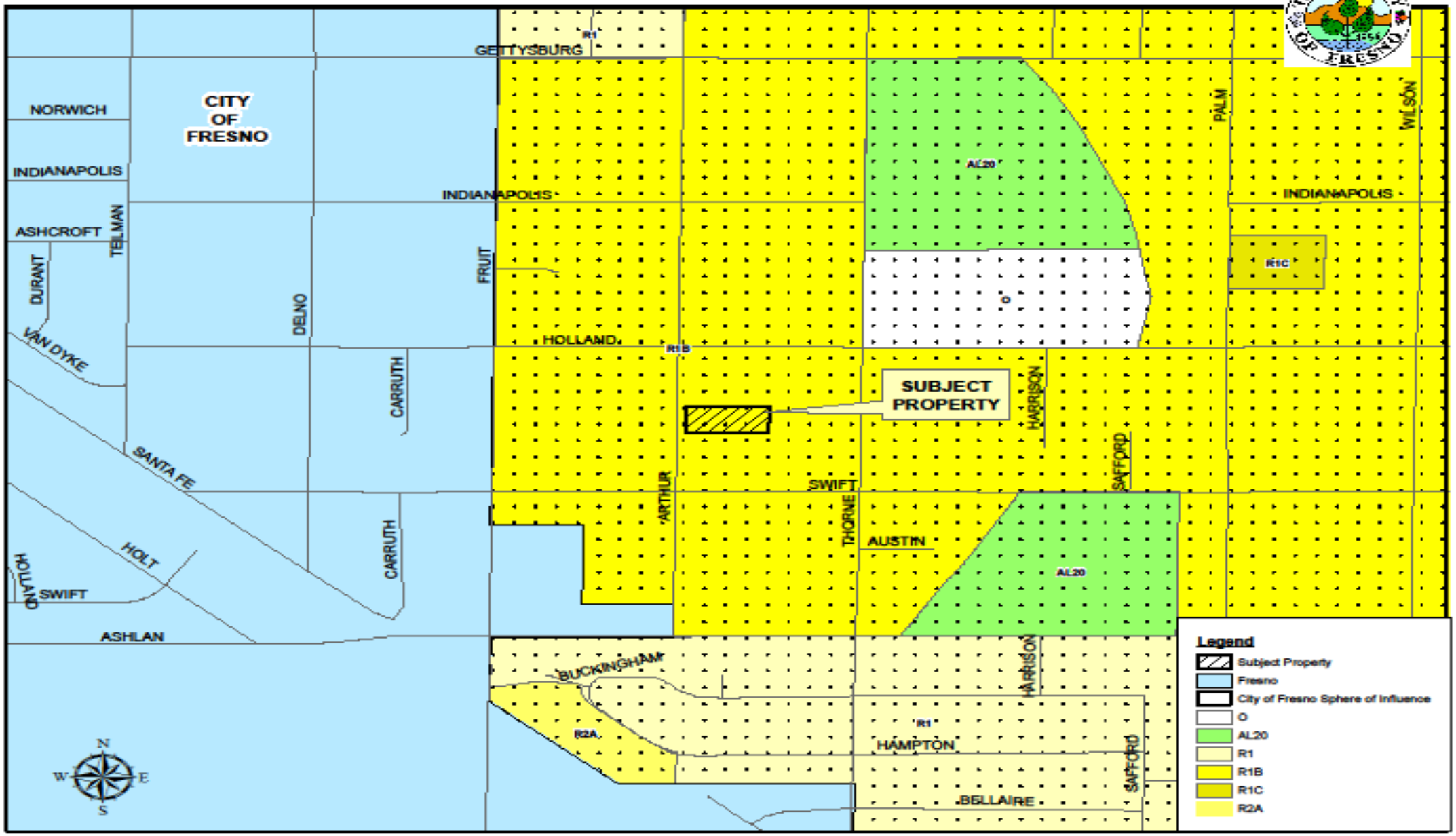
EXISTING ZONING MAP



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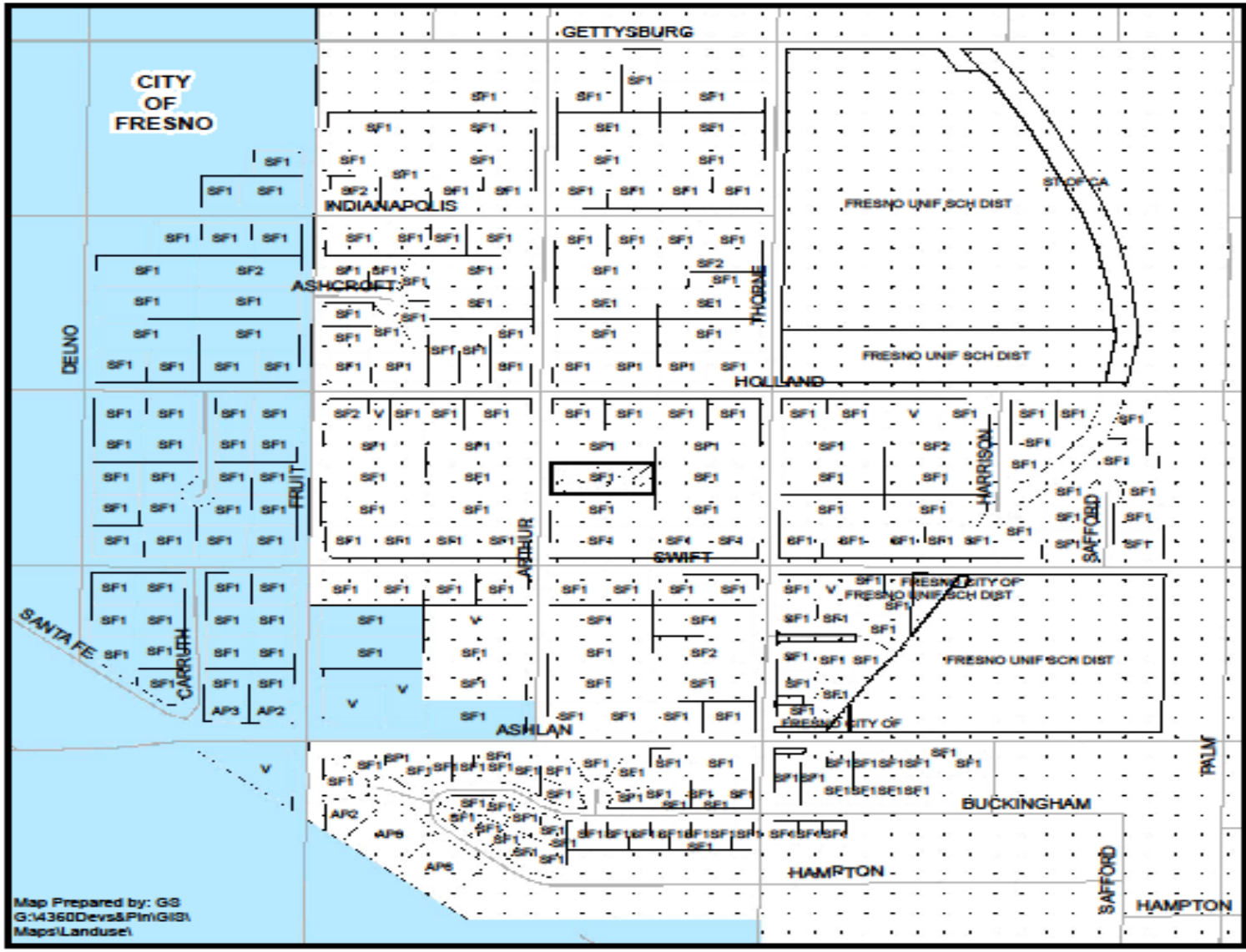
0 175 350 700 1,050 1,400 Feet

GS

DRA 4701

EXISTING LAND USE MAP



LEGEND
AP1 - APARTMENT
C# - COMMERCIAL
SF# - SINGLE FAMILY RESIDENCE
V - VACANT

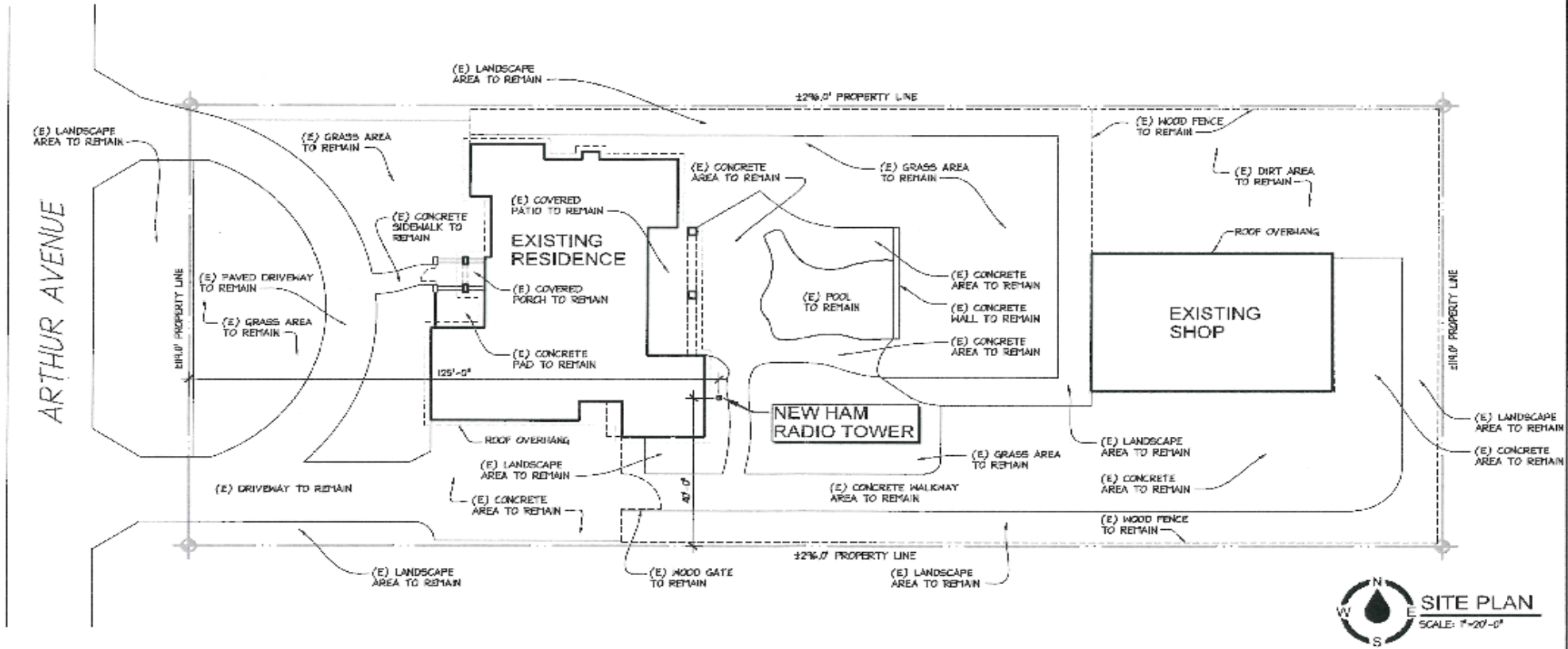
Legend

- Subject Property
- Fresno
- City of Fresno Sphere of Influence

N W E S

0 125 250 500 750 1,000 Feet

Department of Public Works and Planning
Development Sevices Division



SITE PLAN
SCALE: 1"=20'-0"

MARTINEZ AND GARTUNG DESIGNS

NEW HAM RADIO TOWER

4352 N. Arthur Ave, Fresno, CA 93705

DATE: 5-26-2022

PROJECT NO. 2222

SHEET NO. 1

N Arthur Ave
N Arthur Ave
N Arthur Ave
N Arthur Ave
N Arthur Ave
4372
4373
4363
4352 N Arthur Ave,
Fresno, CA 93705
4333
4332

Public Comment

- Safety of the tower
- Interference with other frequencies such as television, Wi-Fi, and Cellular coverage
- Health Hazards due to exposure to radio frequency radiation
- Change to the characteristic of the neighborhood

Findings	DRA Findings	Findings Met
1	Size and shape of parcel is adequate.	YES
2	Streets and highways are adequate for use.	YES
3	No adverse effect on neighborhood.	YES
4	General Plan consistency.	YES

PLANNING COMMISSION MOTIONS:

Recommended Motion (Approval Action)

- Move to determine the required Findings can be made and move to approve Director Review and Approval No. 4701, subject to the Conditions of Approval and Project Notes listed in Exhibit 1; and

- Direct the Secretary to prepare a Resolution documenting the Commission's action.

Alternative Motion (Denial Action)

- Move to determine that the required Findings cannot be made and move to deny Director Review and Approval No. 4701; and

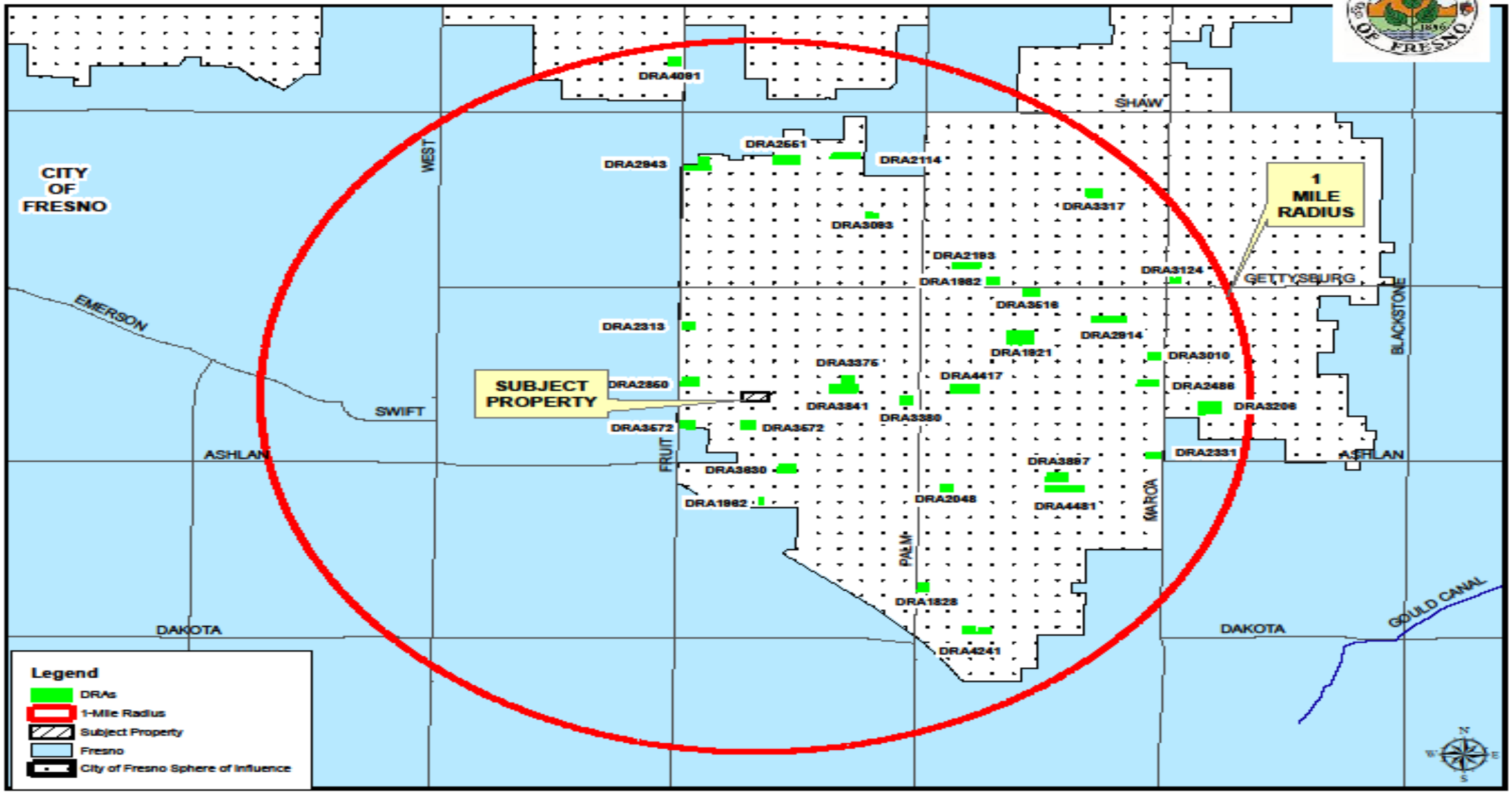
- Direct the Secretary to prepare a Resolution documenting the Commission's action.

Recommended Conditions of Approval and Project Notes:

- See Exhibit 1

DRA 4701

APPROVED DRAs IN A ONE-MILE RADIUS



Prepared by: County of Fresno Department of Public Works and Planning

0 0.1 0.2 0.4 0.6 0.8 Miles

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