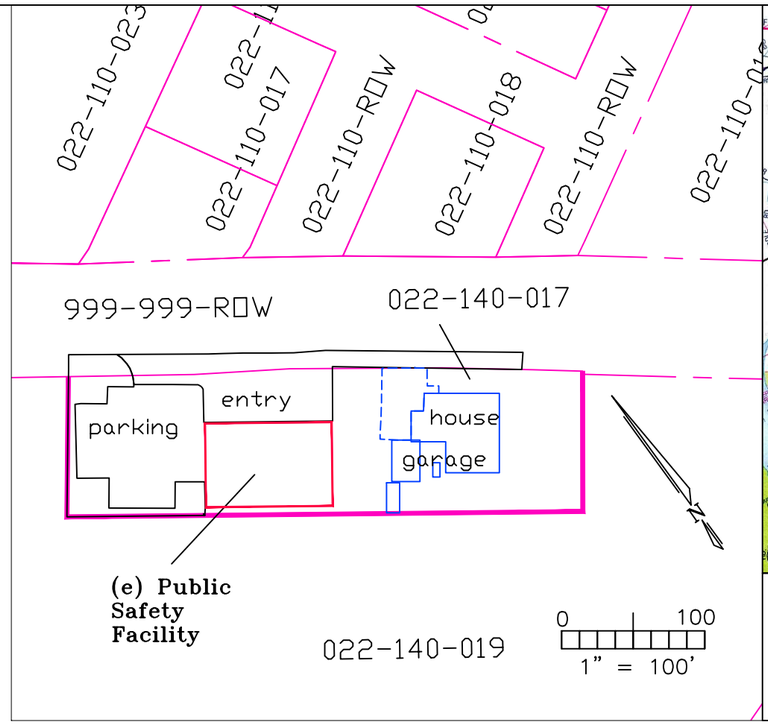
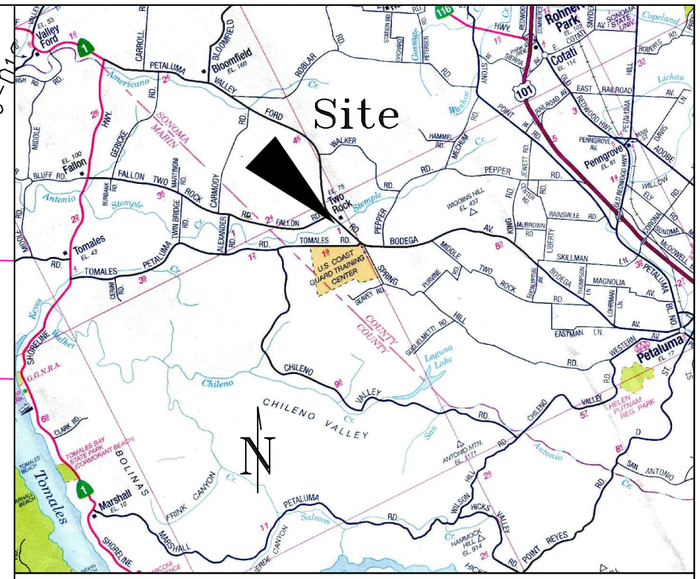
# UPE23-0046

## Architectural Design Style

* This existing Public Safety Facility was approved, constructed, and finaled under BLD19-2620. It is a 60'x90'x14' high gable-ended metal building with 1:12 roof pitch, consistent with the previous obsolete on-site building and with local rural agricultural architecture.
* The building is located in a 200'-wide Scenic Resource Corridor. Scenic resources were considered at the time of original building permit issuance.
* Highway frontage includes a concrete apron for occasional Emergency Services apparatus parking. The adjoining graveled parking area to the North contains 10 spaces and drains by low-slope sheet flow to a BAASMA-design bioretention swale.
* The building body color is Rustic Red, an agricultural barn color with Koko Brown accent trim. The original galvanized roof has been painted a muted red and is generally not visible from the adjoining highway due to low slope of the gabled roof.
* External features include four easterly frontage-facing 12'x12' roll-up doors for emergency apparatus egress and a person-door in each of the N and S gabled ends.
* Exterior lighting is required for building security, parking area illumination, volunteer safety when approaching person-doors, and for building demarcation as a Public Safety Facility.
* Each roll-up door is bracketed by a pair of red marker lights about 10' above grade in weatherproof safety enclosures. The doors are also bracketed by ground-level yellow door protection bollards.
* Signage consists of a commercially-produced 5'h x 6'w unlit unit centered on the front of the building identifying the organization and street address.
* Each gabled end contains a person-door with down-cast LED lighting with motion-sensing operation. A single down-cast security light is also located at about 20' high on each gable end.
* The building is fitted with external security cameras on each of the four exterior corners, located at about 13' above grade. A single 15" diameter satellite dish antenna is located at the SE corner of the building.
* Building utilities are located externally on the north gabled wall and include electrical and propane service. Other utilities visible from the highway include propane tank, water storage tank, and apparatus refill hydrant.
* A new redwood board fence is proposed at the S side of the parking lot to screen parking and building utilities from the neighbor to the south.
* ADA parking, signage, handrails, and safety features are present at the north exterior wall.
* The road frontage is not fenced. The remainder of the property is surrounded by a standard 4'-high stockwire fence. The SE side of the property outside the UPE development envelope has a 6' high redwood panel fence.




Location Sketch
*not to scale*

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Lands of:
APN 022-140-017
Two Rock Fire Department
7599 Valley Ford Road, Petaluma CA 94952

UPE23-0046
Public Safety Facility
Location Sketch
Architectural Design Style
Modification of UPE18-0068


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2024 0128
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01.28.2024
Scale noted
Location

C1

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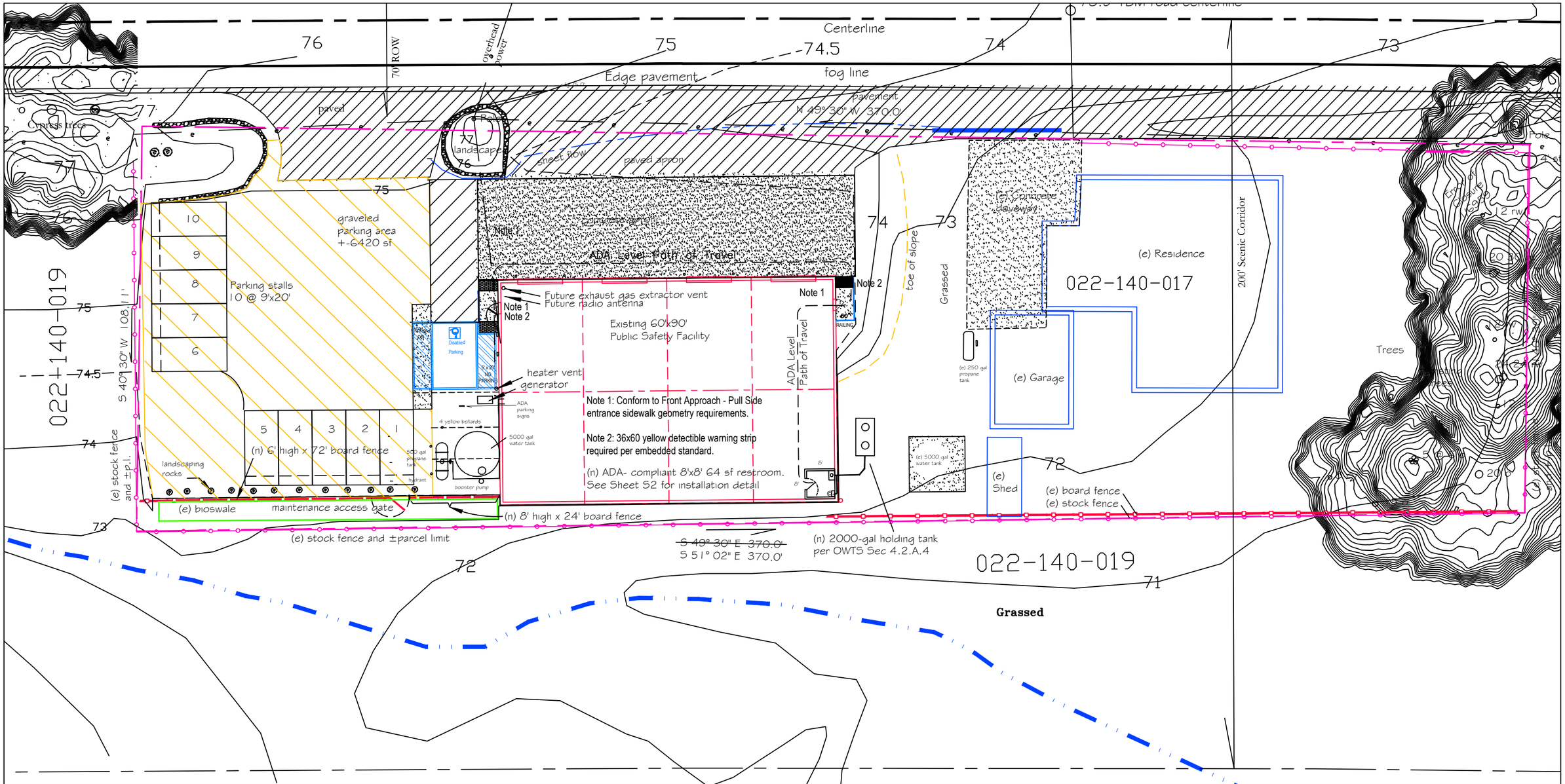
Agricultural
Civil
STATE OF CALIFORNIA
01.28.2024




0 Plan View 50

SCALE: 1" = 25'

Lands of: APN 022-140-017

Two Rock Fire Department

7599 Valley Ford Road, Petaluma CA 94952

# UPE23-0046

## Public Safety Facility

## 25-Scale Site Plan View

## Parcel Limits, Scenic Corridor

Modification of UPE18-0068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1" = 25'
Plan View

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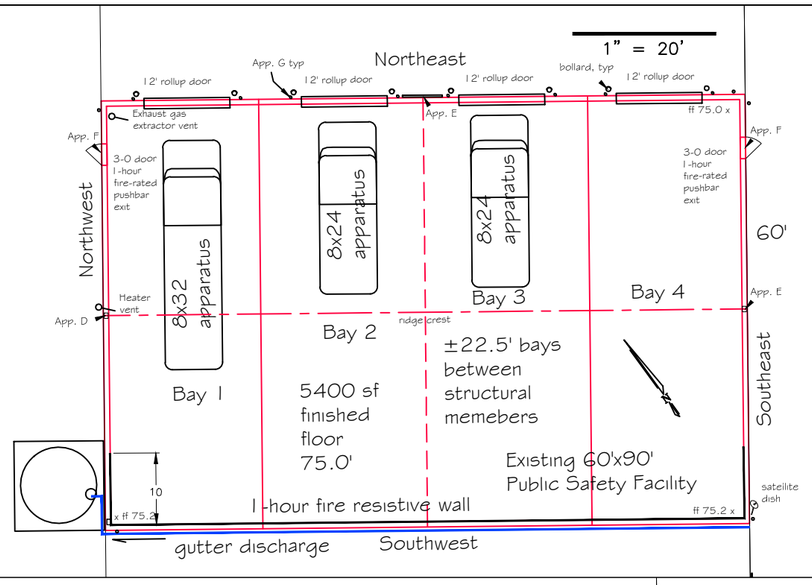
0 16

1" = 16'

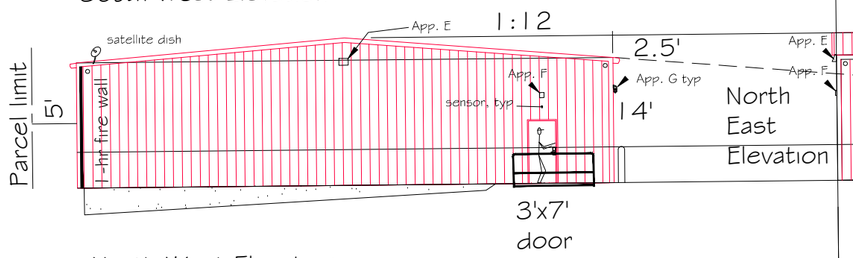



OUTDOOR LIGHTING PLAN

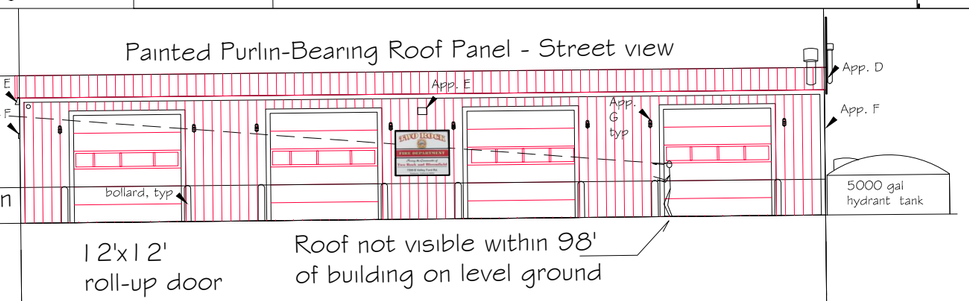
Appendices within the 2024 0128 design report provide details and description of the following existing exterior lighting fixtures:

* App. D: Full Cutoff Wall Pack Model WLFC Security light
* App. E: Lithonia Lighting D-Series Size 1 LED Wall Luminaire Security lights
* App. F: Cooper Lumark Crosstour XTOR1B Safety lights
* App. G: Red GLS LED 5W Light Bulb Industrial 1-Light Brushed Steel Outdoor Weather Tight Flush mount Wall Light Fixture Public Safety Facility Marker Lights

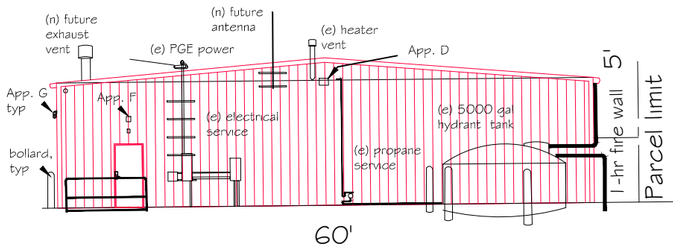
South West Elevation



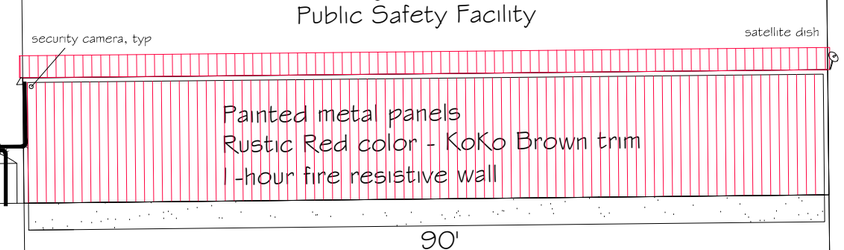

North East Elevation




North West Elevation




South West Elevation




Commercial Steel Building

* Public Safety Facility Design Criteria
* Roll-up Doors
* Corrugated metal siding
* Consistent with historic building
* Consistent with local ag values
* Muted dark "barn-red" Rustic Red color
* Koko Brown trim, galvanized roof
* Commercial plastic sign on building
* No remote monument sign
* Muted downcast exterior lighting
* Low-slope gravel parking

Fire Service Requirements:

* One-hour fire wall per Detail required within 10' of property lines.
* No exterior wall openings allowed within 5' of property line.
* If present, exterior wall openings within 10' of property line require protection (louvers).
* Any windows and human access doors shall be rated per Emergency Services requirements.

Lands of:

APN 022-140-017

# Two Rock Fire Department

7599 Valley Ford Road, Petaluma CA 94952

# UPE23-0046
# Public Safety Facility
# Elevation, Plan Views
# Outdoor Lighting Plan

Modification of UPE18-0068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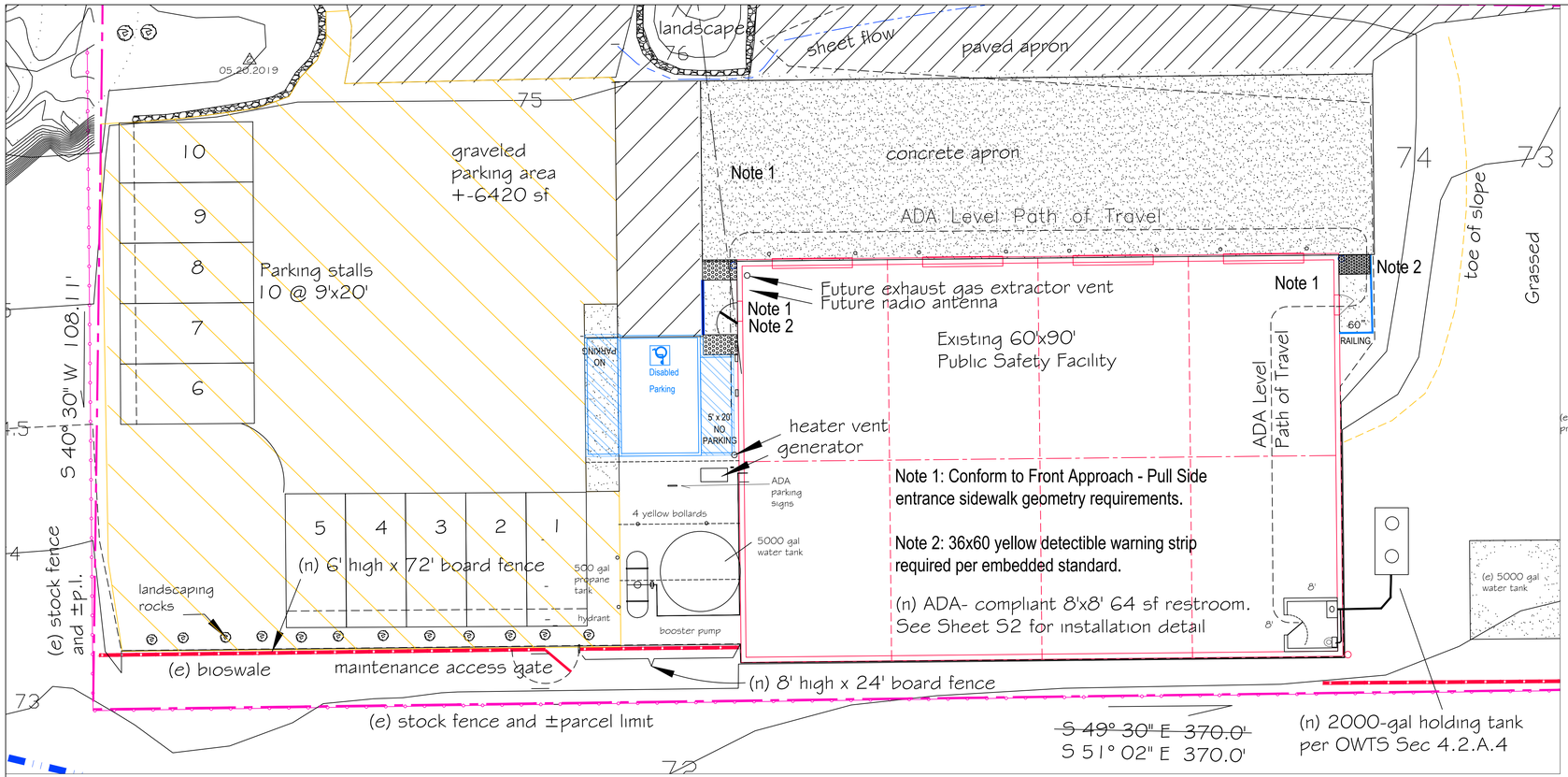
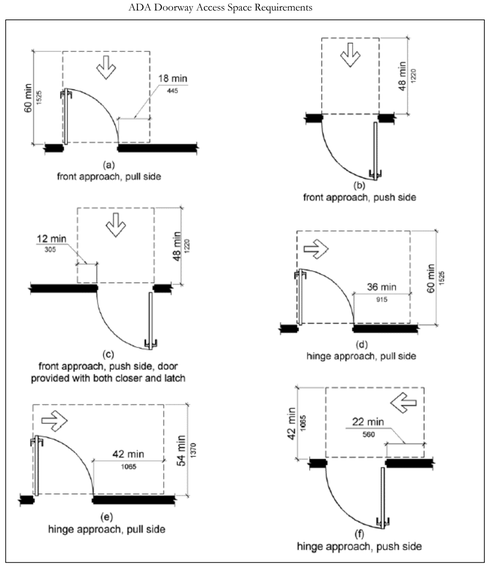
Scale Noted
Elevation &
Plan Views

C3

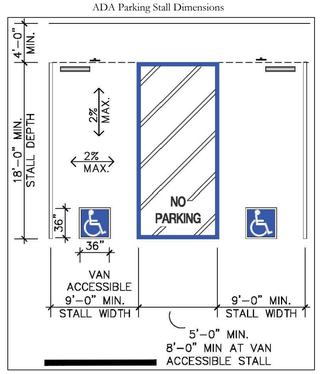



ADA Doorway Access Space Requirements




Accessible path of travel as indicated on the plan is a barrier-free access route without any abrupt level changes exceeding 1/2 inch if beveled at 1:2 max slope or vertical level changes not exceeding 1/4 inch max, and at least 48 inches in width. Surface is stable, firm and slip resistant. Cross slope does not exceed 2% and the slope in the direction of travel is less than 5%, unless otherwise indicated. Accessible path of travel shall be maintained free of overhanging obstructions to 80-inch minimum and protruding objects greater than 4-inch projection from wall and above 27-inches and less than 80-inches. Owner shall verify that there are no barriers in the path of travel.

ADA Parking Stall Dimensions




California Building Code 2016
Section 1129B, Table 11B-6
ADA Parking Stall Requirements
1 space per 25 parking stalls, van accessible.

* The parking space shall be painted with white contrasting paint border.
* Provide the international Accessible Parking symbol at 3' square in the center of the parking space with blue backing.
* The access aisle border shall be painted with accessibility blue and the inner striping lines shall either be blue or white.
* The "NO PARKING" within the access aisle shall be white using minimum 12" high lettering.

**11B-502.6 Identification.** Parking space identification signs shall include the International Symbol of Accessibility complying with 11B-703.7.2.1. Signs identifying van parking spaces shall contain the designation "van accessible." Signs shall be 60 inches (1524 mm) minimum above the finish floor or ground surface measured to the bottom of the sign.

**EXCEPTION:** Signs located within an accessible route shall be a minimum of 80 inches (2032 mm) above the finish floor or ground surface measured to the bottom of the sign.

**11B-502.6.1 Finish and Size.** Parking identification signs shall be reflectorized with a minimum area of 70 square inches (4516mm2)

**11B-502.6.2 Minimum Fine.** Additional language or an additional sign below the International Symbol of Accessibility shall state "Minimum Fine $250."

**11B-502.6.3 Location.** A parking space identification sign shall be permanently posted immediately adjacent and visible from each parking space, shall be located with its centerline a maximum of 12 inches (305 mm) from the centerline of the parking space and may be posted on a wall at the interior end of the parking space.

**11B-502.8 Additional Signage.** An additional sign shall be posted either in a conspicuous place at either each entrance to an off-street parking facility or immediately adjacent to on-site accessible parking and visible from each parking space.

**11B-502.8.1 Size.** The additional sign shall not be less than 17 inches (432 mm) wide by 22 inches (559 mm) high.

**11B-502.8.2 Lettering.** The additional sign shall clearly state in letters with a minimum height of 1 inch (25 mm) the following:

"Unauthorized vehicles parked in designated accessible spaces not displaying distinguishing placards or special license plates issued for persons with disabilities will be towed away at the owner's expense. Towed vehicles may be reclaimed at Two Rock VFD or by telephoning (707) 477.3020."

California Building Code 2016
Chapter 11B Accessibility to Public Buildings, Public Accommodations, Commercial Buildings and Public Housing

**11B-247.1.2.5 Hazardous vehicular areas**
If a walk crosses or adjoins a vehicular way, and the walking surfaces are not separated by curbs, railings or other elements between the pedestrian areas and vehicular areas, the boundary between the areas shall be defined by a continuous detectable warning complying with Sections 11B-705.1.1 and 11B-705.1.2.5.
**11B-705 Detectable warnings and detectable directional texture**
**11B-705.1 Detectable warnings**

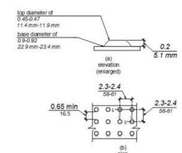



FIGURE *11B-705.1* SIZE AND SPACING OF TRUNCATED DOMES

**11B-705.1.1 General**
Detectable warnings shall consist of a surface of truncated domes and shall comply with *Section 11B-705*.
**11B-705.1.1.3 Color and contrast**
Detectable warning surfaces at transit boarding platform edges, bus stops, **hazardous vehicular areas,** reflecting pools, and track crossings shall comply with *Section 11B-705.1.1.3.1*.
**11B-705.1.1.3.1**
Detectable warning surfaces shall be yellow and approximate FS 33538 of Federal Standard 595C.
**11B-705.1.2.5 Hazardous vehicular areas**
Detectable warnings at hazardous vehicular areas shall be 36 inches (914 mm) in width.

Accessibility Notes
1. California State Accessibility Standards, Title 24, American Disability Act applies as related to private construction (and not limited to comments below).
2. The Two Rock Volunteer Fire Department building was permitted by Sonoma County under UPE18-0068 and BLD19-2620. All applicable ADA requirements for parking and path of travel into the building were documented and met at that time, and are not reproduced for the current work proposal.
3. The UPE23-0046 application includes installation of an ADA-compliant restroom inside of the permitted and approved Fire Services building.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Public Safety Facility
ADA Path of Travel
Construction Details

2024 0128
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01.28.2024

Scale: Noted

Sheet
ADA1
C4

01.28.2024

New fence assembled from 6' x 8' prefabricated redwood board panels typ, located at East bioswale wall

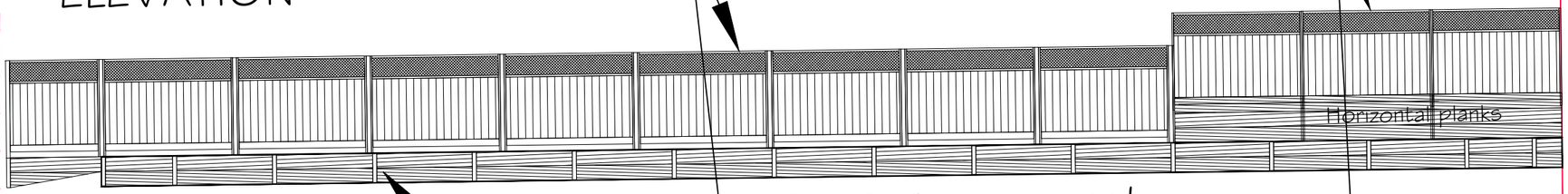
(n) 6' high x 72' board fence

Posts @ 8' o.c.

(n) 8' high x 24' board fence

Posts @ 8' o.c.

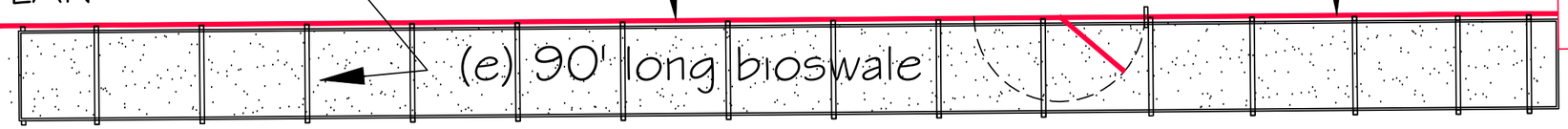
ELEVATION




PLAN

Posts @ ±6' o.c.

gate




(e) Public Safety Facility

(e) stock wire fence and +-parcel limit

0 Plan View 16

SCALE: 1" = 8'

Lands of: APN 022-140-017

Two Rock Fire Department

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UPE23-0046
Public Safety Facility
New Wood Fence -
Plan and Elevation Views

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2024 0128
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1" = 8'
Fence

C6

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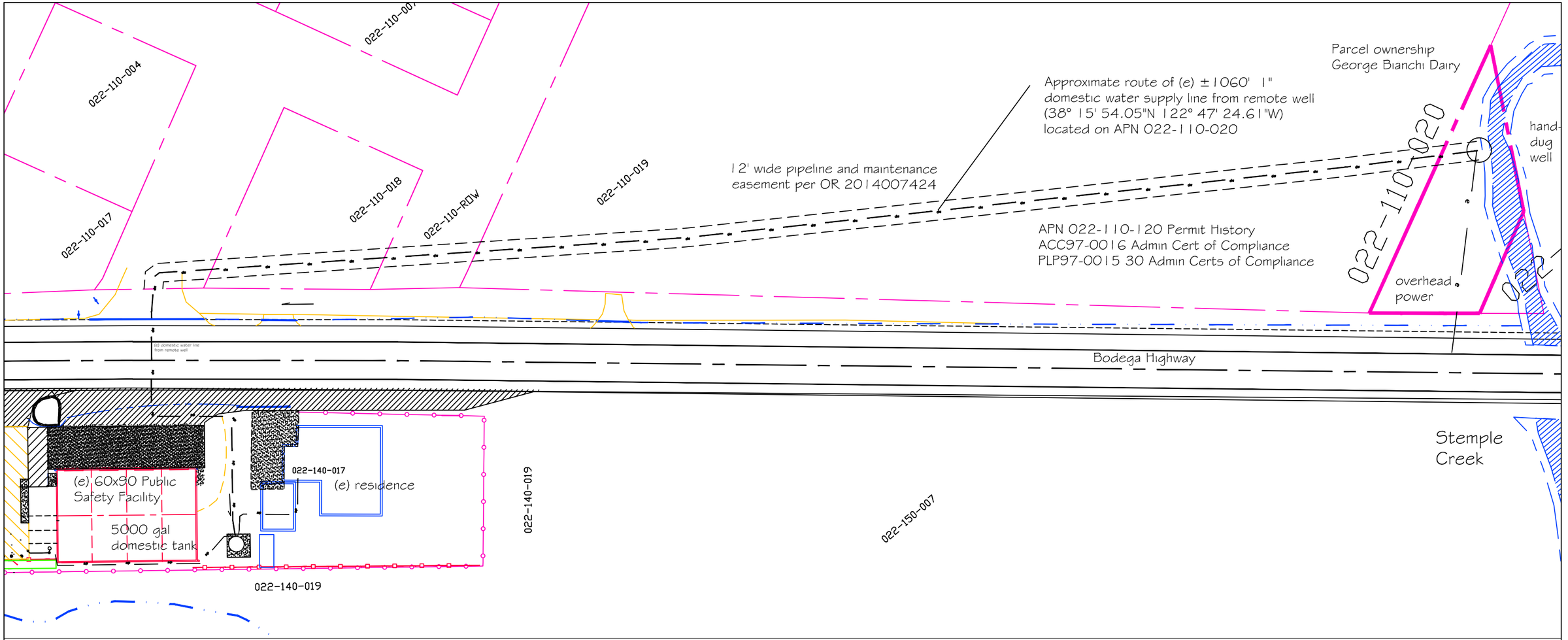


0 Plan View 120

SCALE: 1" = 60'

Lands of: APN 022-140-017

Two Rock Fire Department

7599 Valley Ford Road, Petaluma CA 94952

# UPE23-0046
# Public Safety Facility
# Well Location and Water Supply line route
# Plan View


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1" = 60'
Well

C7

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