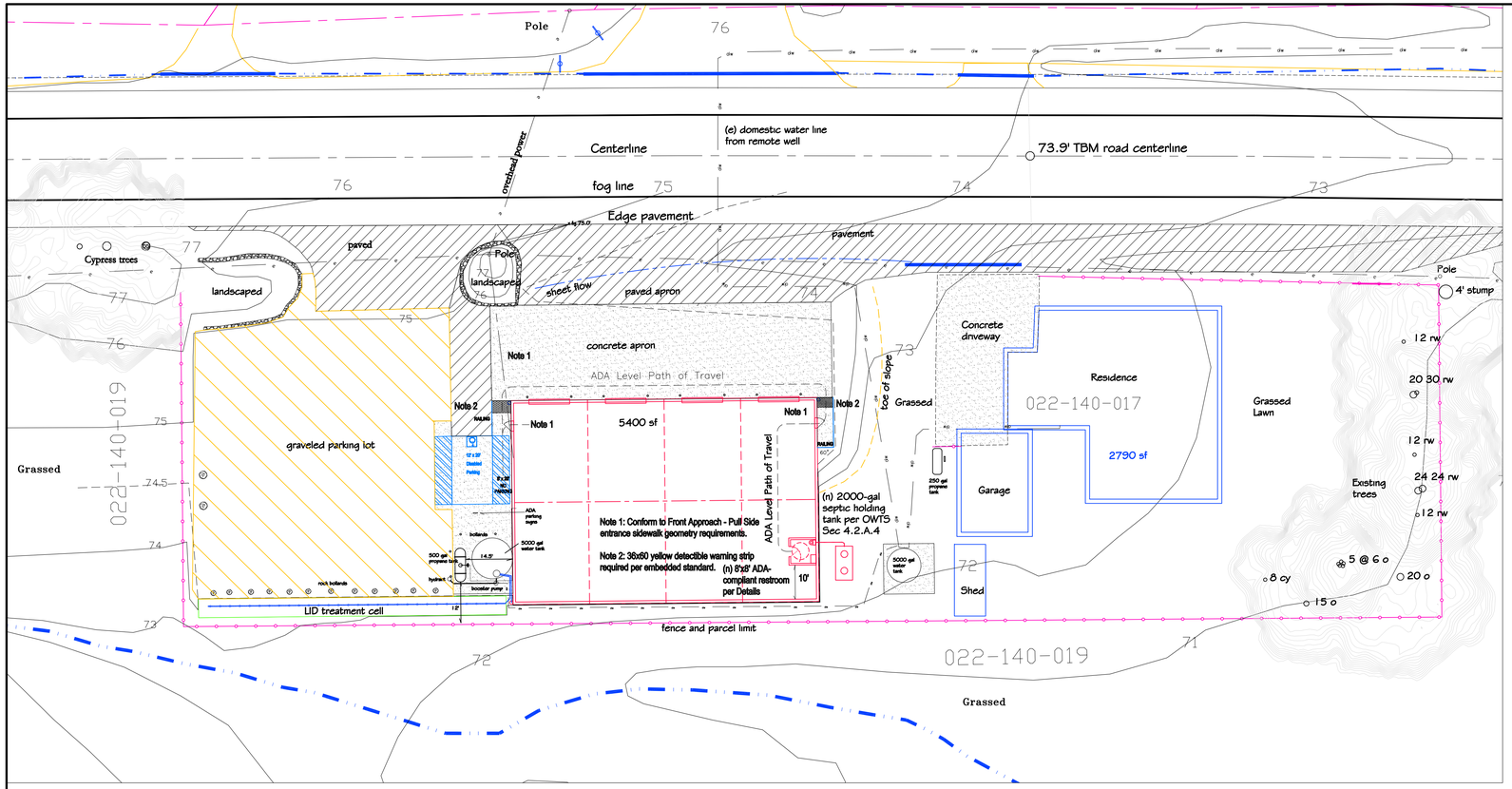
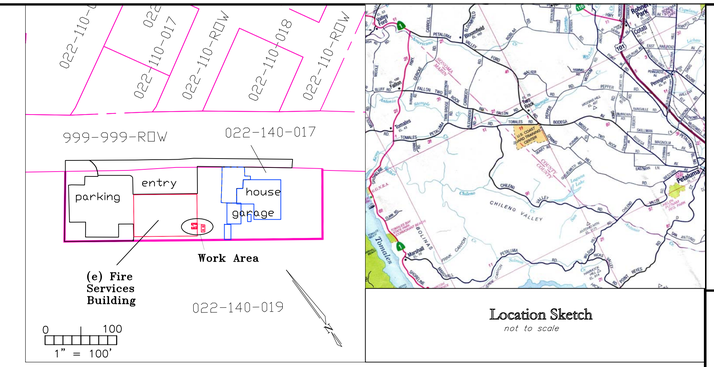



Project statement: Internal modification of an existing permitted building to install and ADA-compliant restroom and related exterior septic system.

Table of Contents

| Sheet | Description |
|---|---|
| S1 | Site Plan and Title Sheet<br>Two Rock Volunteer Fire Department<br>Modifications to an Existing Fire Station<br>Electrical Schematic<br>General Notes |
| S2 | ADA and Accessibility Requirements |

UPE22-___
BLD22-___
Applicable Codes
2019 California Building Code (CBC)
2019 California Plumbing, Electrical, and Mechanical Codes (CPC, CEC, CMC)
2019 California Energy Code
2019 California Green Building Standards Code (CALGreen)

Building Occupancy: Group S1 per CBC 5311.2
Building Risk Classification:
Emergency Vehicle Garage
Class IV per CBC Table 1604.5
Structural and Foundation Design per ASCE 7-10.

Applicant shall apply for design and installation of a septic system in accordance with requirements of SCC Sec 4.2.A.4.

Concrete sawcut may be required to install plumbing drains in the existing concrete slab floor. Conform to applicable Codes when performing such work.

Project Data

7599 Valley Ford Road
Petaluma CA 94952

Area: 8x8 = 64 sf internal to building

Scope of Work
Modifications to an existing fire station.
Addition of an ADA-compliant restroom.

Deferred Approvals
None at this time

Erosion Controls
None required for work completed internally within an existing building.

Energy Notes
The proposed design has no penetrations, walls, or doors exposed through the existing exterior building walls. Air infiltration or leakage associated with such features cannot occur with the proposed installation.

General Notes

1. All 125 volt 15 and 20 amp receptacles are to be tamper resistant.

2. All 125 volt 15 and 20 amp receptacles are to have AFCI protection.

3. Paint VOC requirements
3.1 Use low VOC interior wall/ceiling paints (<5 gpl VOCs regardless of sheen)
3.2 Use zero VOC interior wall/ceiling paints (<5 gpl VOCs flat)
3.3 Use low VOC caulks and construction adhesive (meet SCAQMD rule 1168)

4. The following maximum flow rates shall apply to all fixtures in the area of work.
4.1 Lavatory faucet: 1.2 gpm at 60 psi.
4.2 Gravity tank w.c. 1.28 gal/flush.

5. Use formaldehyde reduced materials in interior for interior trim and shelving.

6. Types NM and NMS cables shall not be used in wet or damp locations.

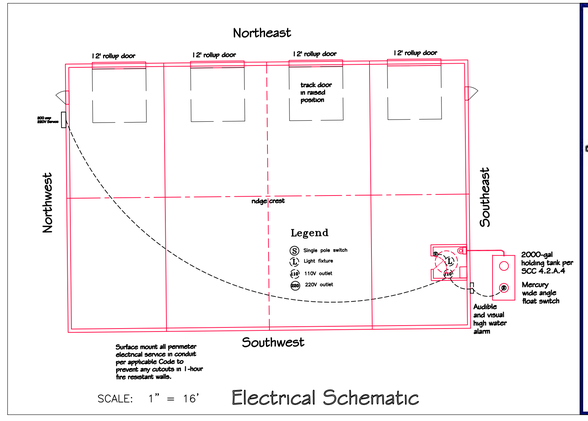
0 Plan View 40

SCALE: 1" = 20'

## LEGEND

- CONTOURS Existing (500 / 490)
- CONTOURS Proposed
- CONTOURS Remove
- BUILDING
- ROCK ARMOR
- FIBER ROLL
- UTILITY POWER
- UNPAVED ROAD
- FENCE
- PARCEL LIMIT +–
- DRAINAGE CHANNEL
- DRAIN DITCH
- Piped Drain with DI
- UTILITY SEPTIC

(e) – existing
(n) – new
(typ) – typical
ac. – acre
i.g. – invert grade
f.g. – finished grade
sf – square feet
ft – feet




SCALE: 1" = 16' Electrical Schematic

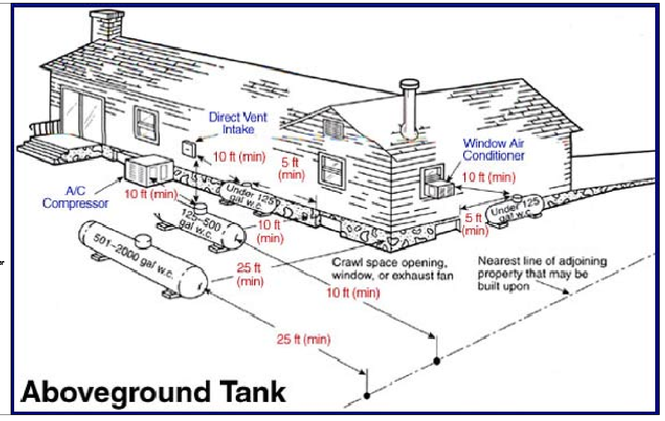
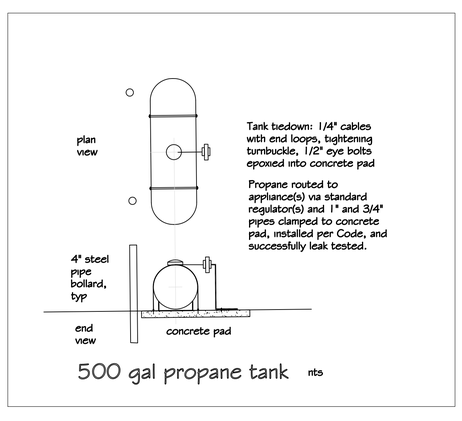



Illustration from NFPA 58.
Propane tank setbacks shall be in accordance with CCR Title 8 Sec 470-494 and CFC Article 82 as illustrated




REGISTERED PROFESSIONAL ENGINEER
Lee R Erickson
AE 495
CE 45660
Expires 12/31/2022
Agricultural
Civil
STATE OF CALIFORNIA
03.11.2022

Erickson Engineering Inc.
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Site Plan and Title Sheet
Two Rock Volunteer Fire Department
Modifications to an Existing Fire Station

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

2022 0311 septic.dwg

03.11.2022

Scale: Noted

Sheet
S1
of 2

UPE22-___