

PARKING
(PER COUNTY OF SONOMA CHAPTER 26 ARTICLE 86)

	REQUIRED	PROVIDED
BUILDING 1 (5957 SQ FT) GENERAL MANUFACTURING	1 SPACE PER 500 SQFT GROSS (12 SPACES)	
BUILDING 2 (5040 SQ FT) GENERAL MANUFACTURING	1 SPACE PER 500 SQFT GROSS (11 SPACES)	
BUILDING 3 (1600 SQ FT) WAREHOUSE	1 SPACE PER 2000 SQFT GROSS (1 SPACES)	
TOTAL PARKING	24 SPACES	24 SPACES

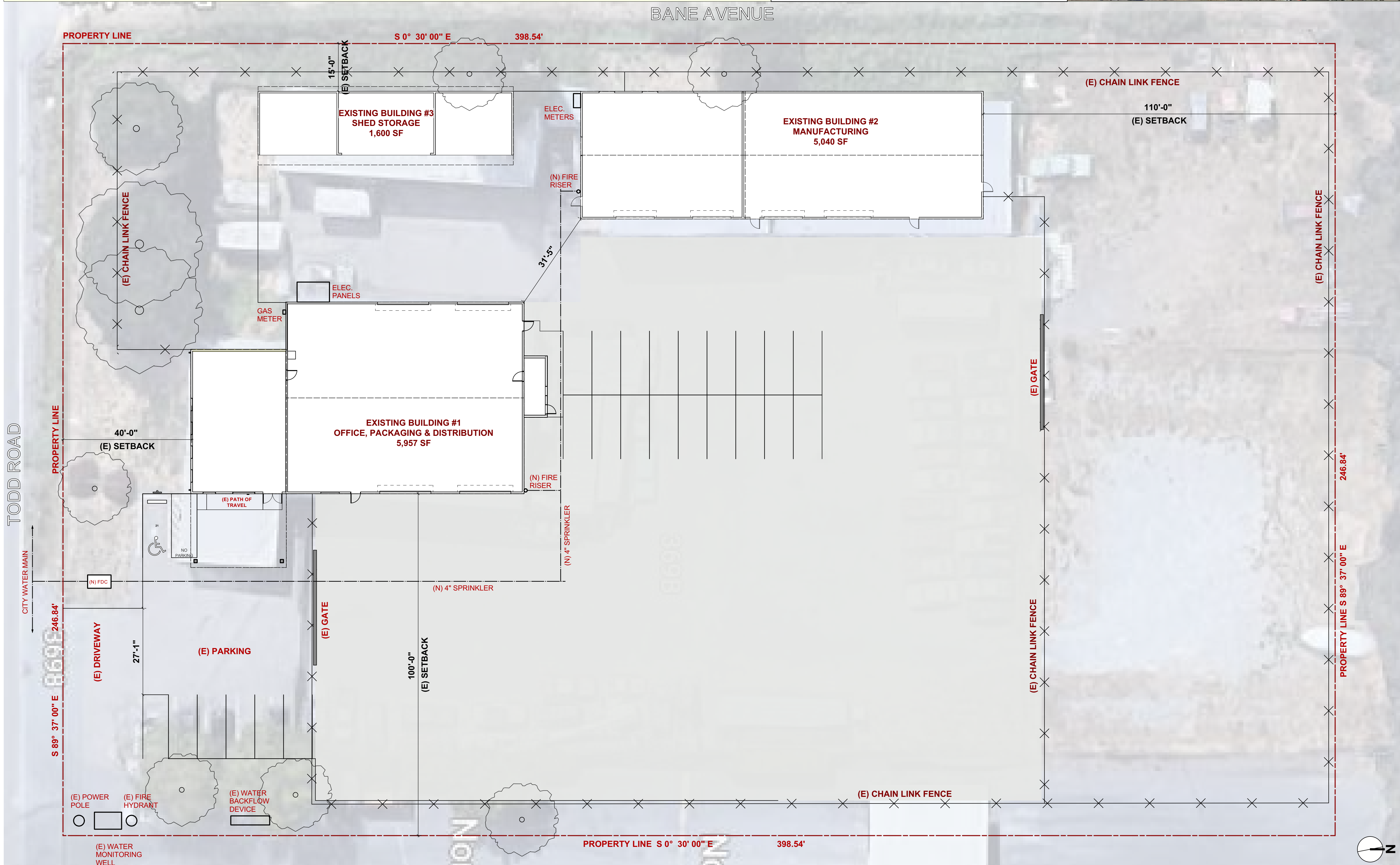
PROJECT DATA

APN: 134-102-023
 ZONING: M2 (Heavy Industrial)/VOH (Valley Oak Habitat Combining District)
 License: C11-0001007-LIC
 License Type: Type 6 Non Volatile Solvent Extraction
 CONSTRUCTION TYPE VB
 OCCUPANCY: F1 Factory/ B Business

SETBACKS	Allowed	Existing	Proposed
Front	0"	162'0"	NO CHANGE
West	0"	15'0"	NO CHANGE
East	0"	193'0"	NO CHANGE
Back	0"	110'0"	NO CHANGE
MAX. HEIGHT	65'0"	20'6"	NO CHANGE

AREA CALCULATIONS (NO CHANGES)

Building 1 Gross Floor Area	5,957	NO CHANGE
Building 2 Gross Floor Area	5,040	NO CHANGE
Building 3 Gross Floor Area	1,600	NO CHANGE
Combined Gross Floor Area	12,597	NO CHANGE
Lot Size:	2.5 Acre	NO CHANGE
F.A.R.	0.12	NO CHANGE



SITE PLAN

1/16" = 1'-0"

MICHAEL HEACOCK ARCHITECTS
 ECOLOGICAL ARCHITECTURE + GREEN INTERIORS
 129 Miller Avenue, Suite 623
 Mill Valley CA 94941
 T 415.845.5326
 E mh@MichaelHeacock.com

EFD LLC & EFL LLC
 369 TODD ROAD, SANTA ROSA CA 95407
 APN: 134-102-023
 800-019-070
 800-048-074 #B



City of Santa Rosa
 Planning & Economic
 Development Department
 Sep 1, 2021
 RECEIVED

BUILDING PERMIT

Revision	Description	Date
1	UTILITY CERTIFICATE	08/31/21

SITE PLAN

Sheet **A100**

Scale: **SCALE 1/16" = 1'-0"**

Hydrant Flow Test Report

Report run date: 8/4/2021

HYDRANT #: 6312 JJ2725 HYDRANT ADDRESS: 369 TODD RD

Inspection #: 172767

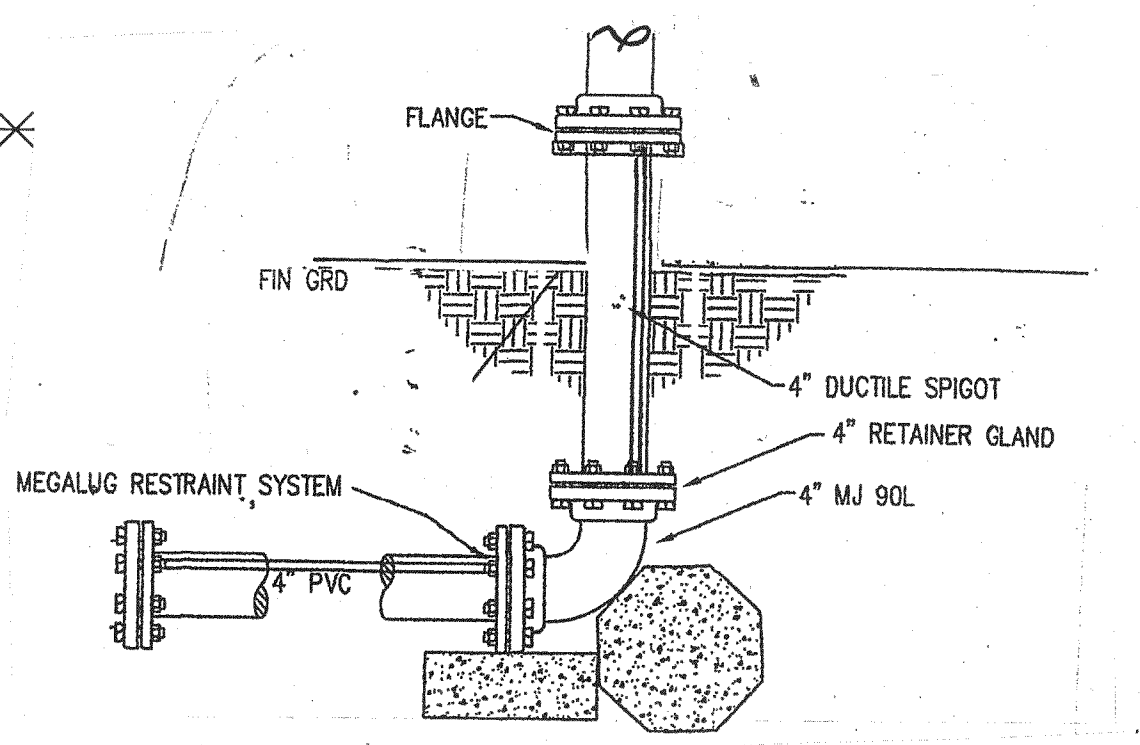
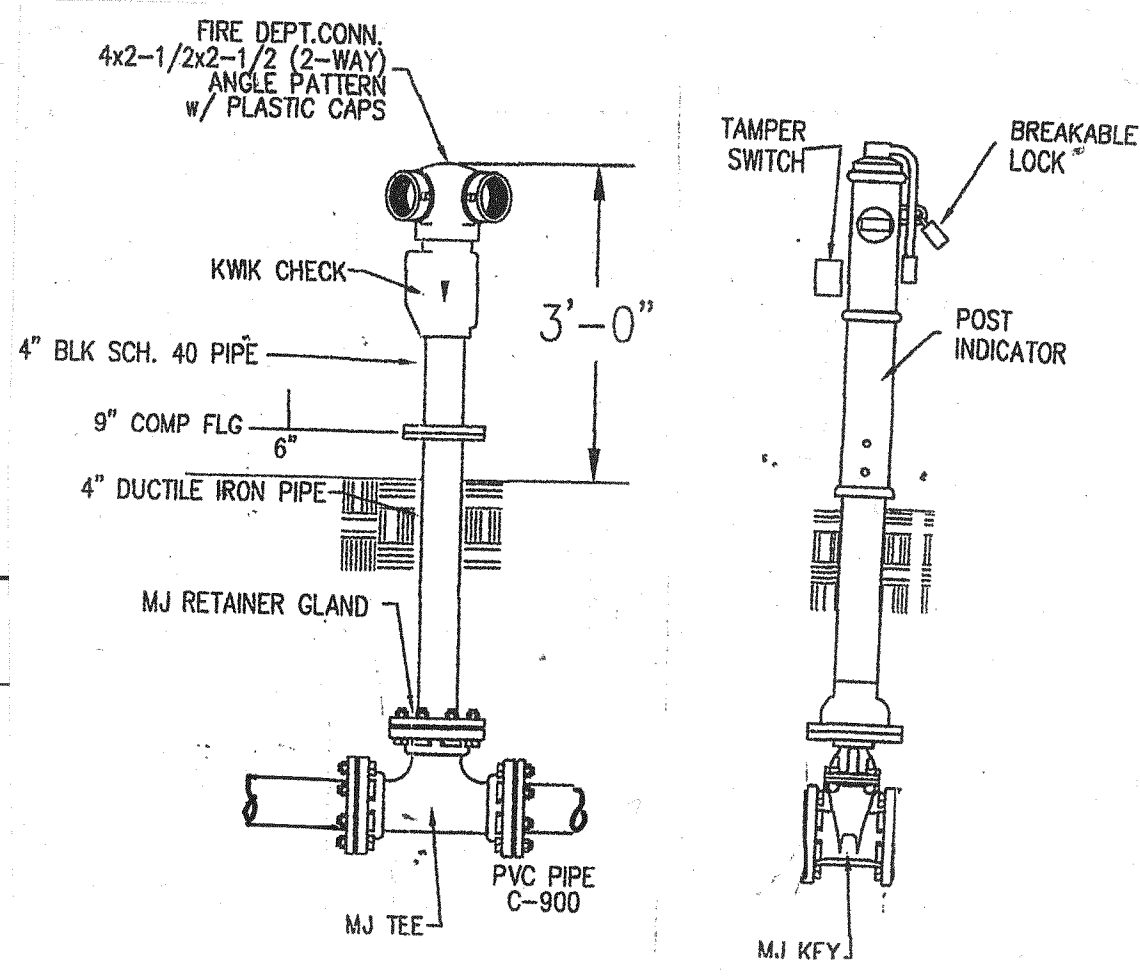
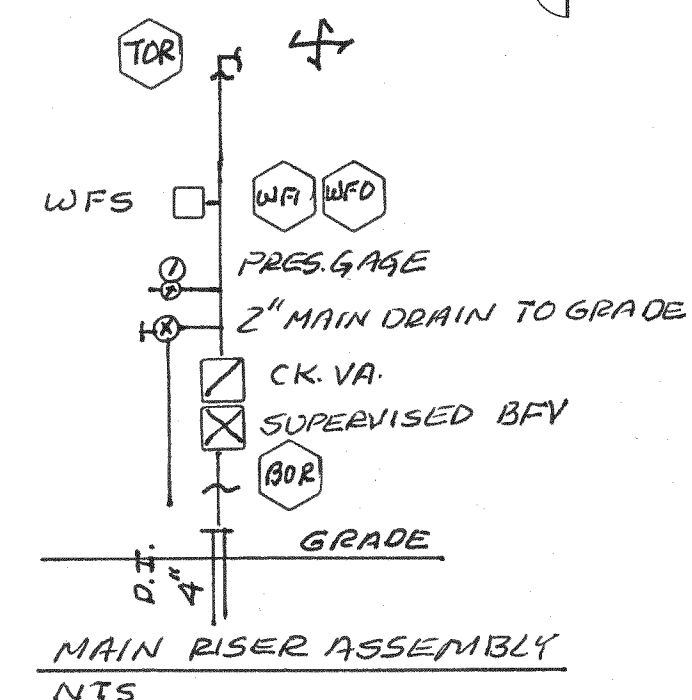
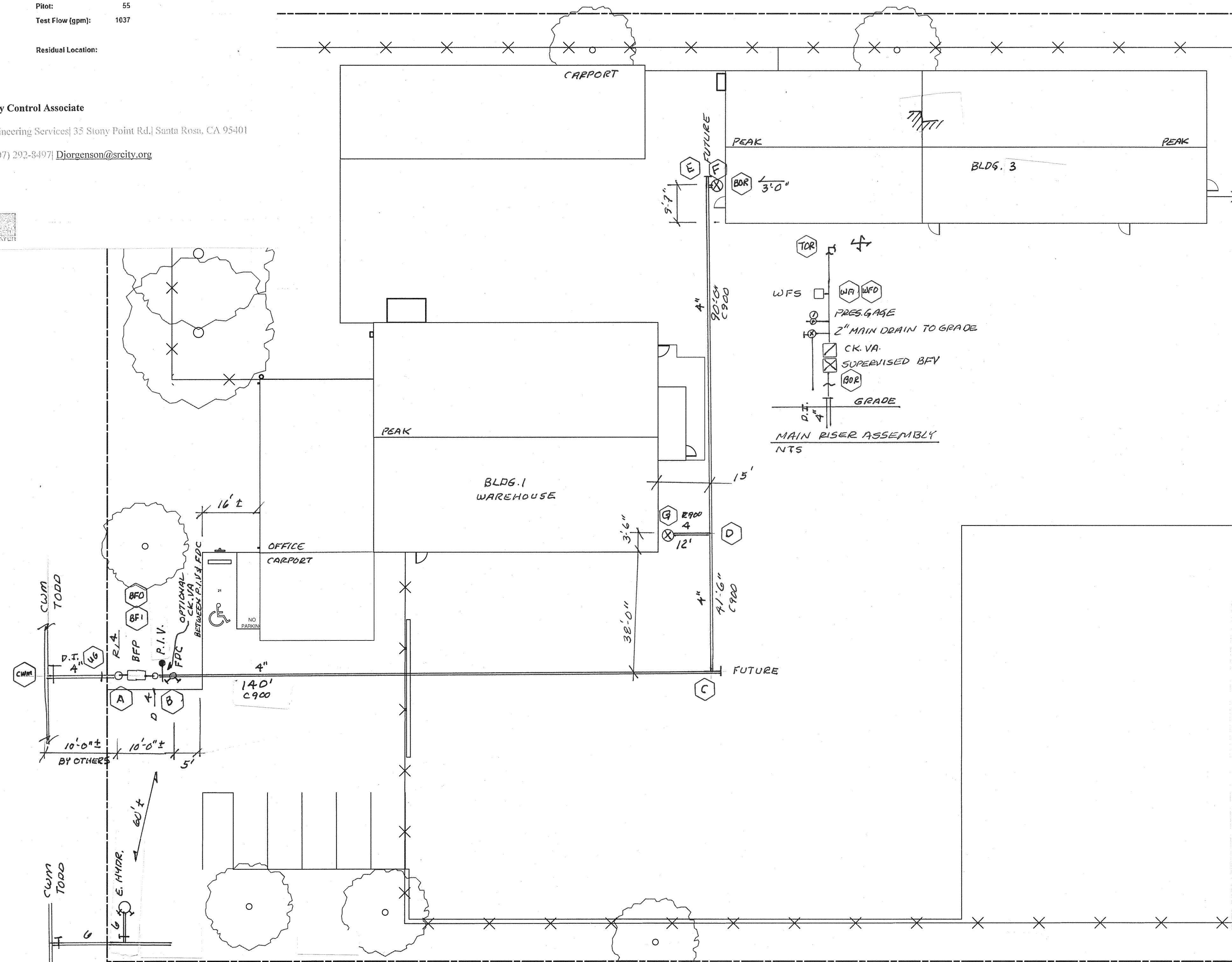
Completed: 7/29/2021
 Static Pressure: 80 Flow at 20 psi: 3973
 Residual Pressure: 75
 Pilot: 55
 Test Flow (gpm): 1637

Residual Hydrant: 6311 Residual Location:

Domenic Jorgenson | Quality Control Associate

Santa Rosa Water/Water Engineering Services| 35 Stony Point Rd, Santa Rosa, CA 95401

Tel. (707) 543-4579 | Cell. (707) 292-8497 | DJorgenson@srtc.org



- UNDERGROUND NOTES:**
- The underground installation will be installed and tested per NFPA 24, 2016 Edition, the requirements of the County of Sonoma Fire Prevention Permit Division (CSFPPD), and the recommendations of the equipment manufacturer.
 - The new 4" underground piping is to be Ductile Iron & C900. All fittings shall be MJ Mega lugged fittings. All joints are to be wrapped. The pipe locations, elevations, and fittings locations should be verified in the field.
 - All material and equipment should conform to AWWA and NFPA standards.
 - The new fire department connection (FDC) will be located less than 100 feet from existing fire hydrant.
 - Not all existing utilities are shown. The Contractor will verify the location and grade of all existing utilities prior to trenching. The private water line should be installed with a minimum of a 6" clearance from all utilities.
 - All dimensions shown are approximate.
 - All bolted flange connections should use stainless steel bolts that are coated with bituminous asphalt.
 - All tie rods, bolts, retainer glands; etc should be provided with corrosion protection.
 - Underground piping should terminate 12 inches from exterior surface.
 - The CSFPPD should be notified prior to the start of the work.
 - The fire service line should be tested to 200 PSI for 2 hours.
 - The fire service line should be flushed.

- TRENCH NOTES:**
- The pipe should rest on a minimum of 12" of sand. The sand should extend 12" above the top of the pipe. The remaining portion of the trench may be filled with native material to beneath the driveway.
 - Provide a 6" wide warning/identification tape where shown above the ductile iron piping and fitting.
 - The trench restoration and pathway paving should match existing.

- UNDERGROUND SCOPE:**
- A new 4" fire service from the CWM in Todd Road will supply the Building 1 & 3 fire sprinkler systems.
 - The maximum fire sprinkler system demand is approximately 600 GPM @ 64 PSI.

- OVERHEAD NOTES:**
- The fire sprinkler systems should be installed and tested in accordance with NFPA 13 & 24, 2016 Editions, the requirements of the County of Sonoma Fire Prevention Permit Division, and the recommendations of the equipment manufacturer.
 - All pipe locations, elevations, hangers, line restraints, and sway braces should be verified in the field.
 - There are penetrations through the firewalls.
 - The fire sprinkler systems should be supervised and monitored by a fire alarm system.
 - The centerline of piping varies from the bottom of I beams and C-channels.
 - Design Data:
 - A. Occupancy types - S2 & B Office, Storage, & Distribution
 - B. Use - Agriculture - Cannabis
 - C. Hazard classification - Light Hazard - Office Ordinary Hazard Group 2 - Warehouses
 - D. Building heights - Varies, Stopped
 - E. Sprinkler - Reliable, Upright, Pendant, & Horizontal Sidewall, Model F1FR56 Series, Quick Response, K=5.6, 1/2" Orifice, 1/2" NPT, 155 Degr. F., SINs RA1425, RA 1414 & RA 1435
 - F. Overhead pipe - Black Steel, Schedules 10 & 40, C=120
 - G. Underground piping - Ductile Iron, C=140 & C900, C=150
 - H. Fittings - Threaded 125# cast iron Grooved ductile iron
 - I. Application Rate - 0.20 GPM / SQ FT - Warehouse
 - J. Area per sprinkler - 120 SQ FT & 125 SQ FT
 - K. Sprinkler Flow - 24 GPM & 25 GPM
 - L. Area of Application - 1500 SQ FT
 - M. Waterflow data: Record Analysis
 - a. Static Pres. - 80 PSI
 - b. Residual Pressure - 75 PSI @ 1037 GPM
 - c. Per / Date - Santa Rosa Water / 08-04-2021
 - d. Location - CWM in Todd
 - e. New Backflow Preventer - 4" Deringer 30
 - f. Waterflow Switches - 3.0 PSI Pressure Drop

OVERHEAD SCOPE:
 The scope is to install a fire sprinkler system to in Buildings 1 & 3 per NFPA 13 & 24, 2016 Edition.



Wildcat Engineering
 450 Lakeville Street, Suite A
 Petaluma, CA 94952
 707-762-5500
wcateng@yahoo.com
 Lic. # 951203

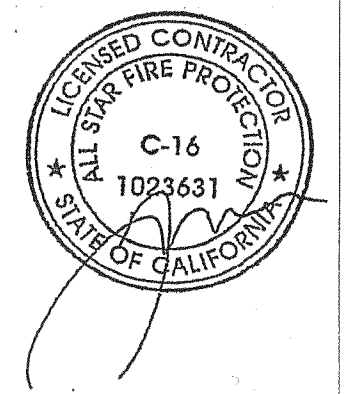
DONALD D. DAMMEN, P.E., LLC
 20 SADDLEBROOK COURT
 NOVATO, CA 94947-3842
 415-265-4524
DDDAMMEN@COMCAST.NET



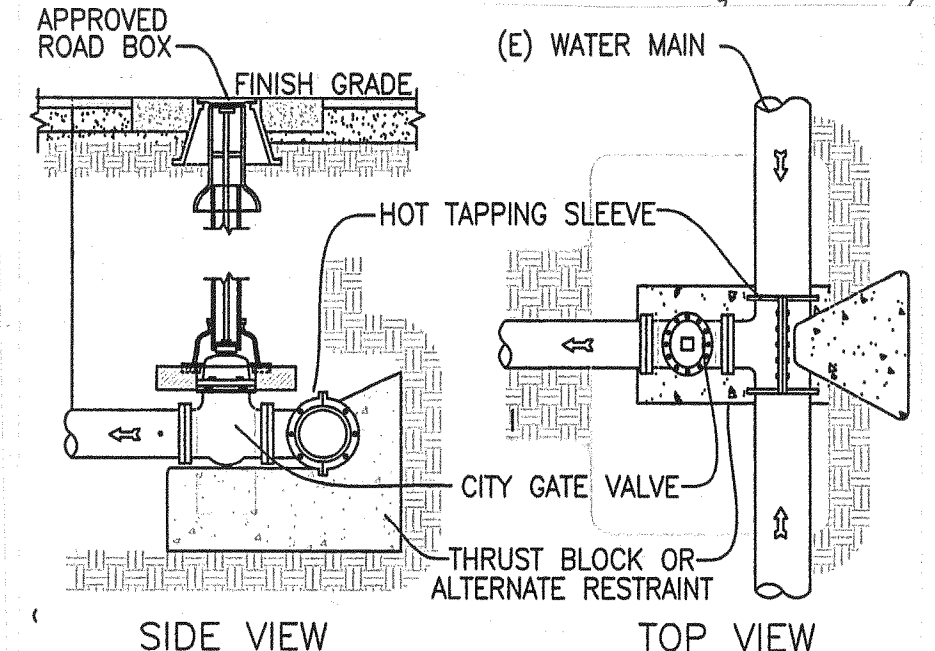
COUNTY OF SONOMA
Fire Prevention Division.
Plan Check Approved



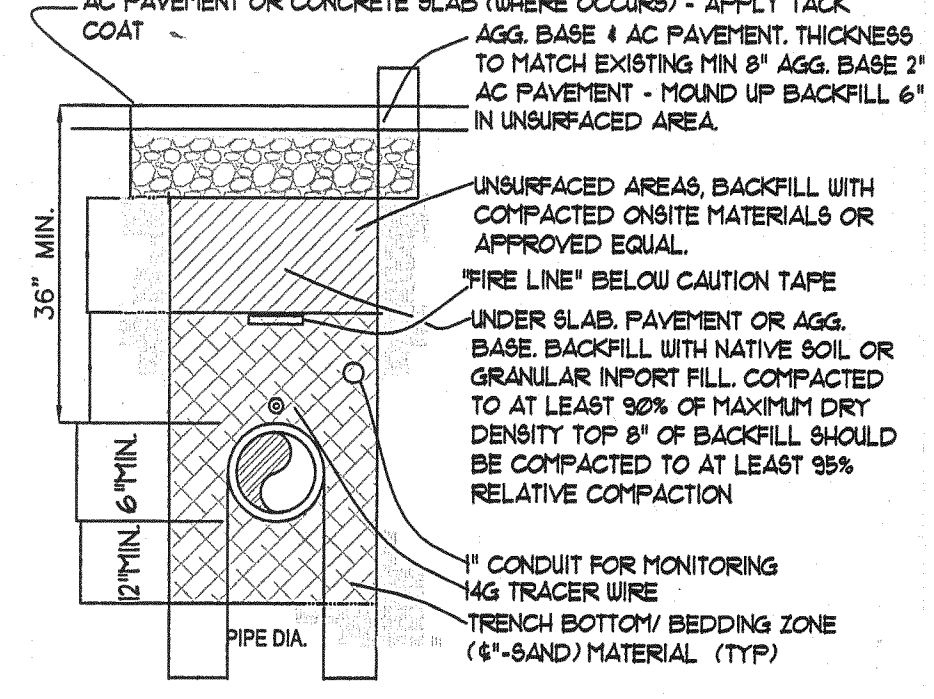
79 Belvedere St #17
 San Rafael Ca 94901
 C16 #1023631
 415 306-7675



UNDERGROUND PIPING PLAN
 1/2" = 1'-0"
 1/16"



NOTE: STARTING POINT @ (E) WATER MAIN WATER SUPPLY, CONNECTION DETAIL 'A' BY OTHERS



TRENCH SECTION (PAVED AREA) BY OTHERS

SHEET INDEX	
DRAWING NO.	DESCRIPTION
FP-1	UNDERGROUND
FP-2	BLDG. 1
FP-3	BLDG. 3

DATE	08-23-2021	OFFICE, STORAGE & DISTRIBUTION 369 Todd Road, Santa Rosa, CA 95407
TITLE	2021-06-14	
DESIGNED BY	DAMMEN	Underground Piping
DRAWN BY	DAMMEN	
CHECKED BY		DRAWING NUMBER
		FP-1
		SCALE
		1/16" = 1'-0"
		SHEET
		1 OF 3