

Failure to follow this notice may cause cracks or fractures to develop in CPVC products resulting in property damage due to leaks or flooding. The presence of any visible cracks may require partial or full system replacement. For additional information contact the general contractor or the fire sprinkler system installer.

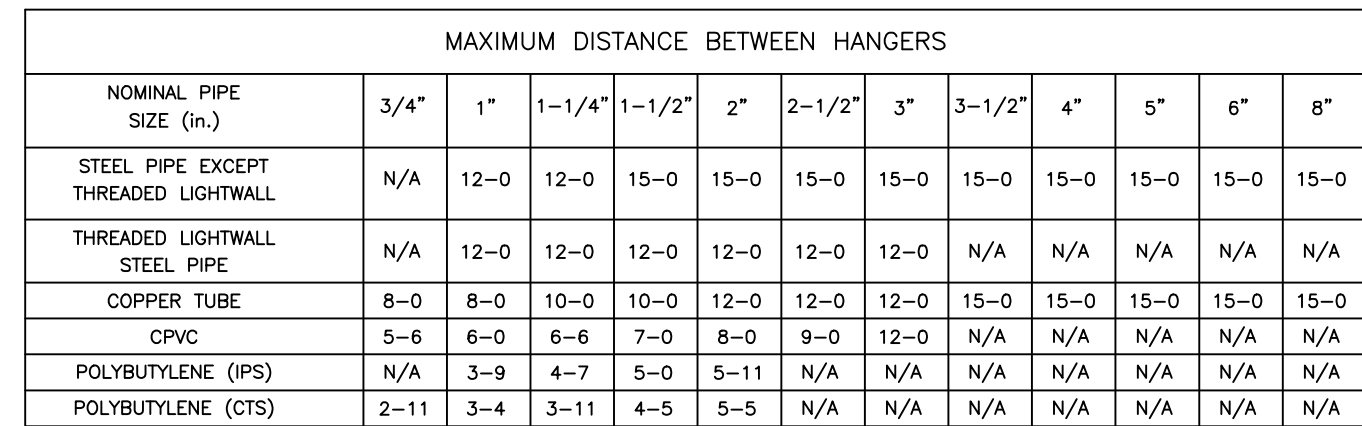
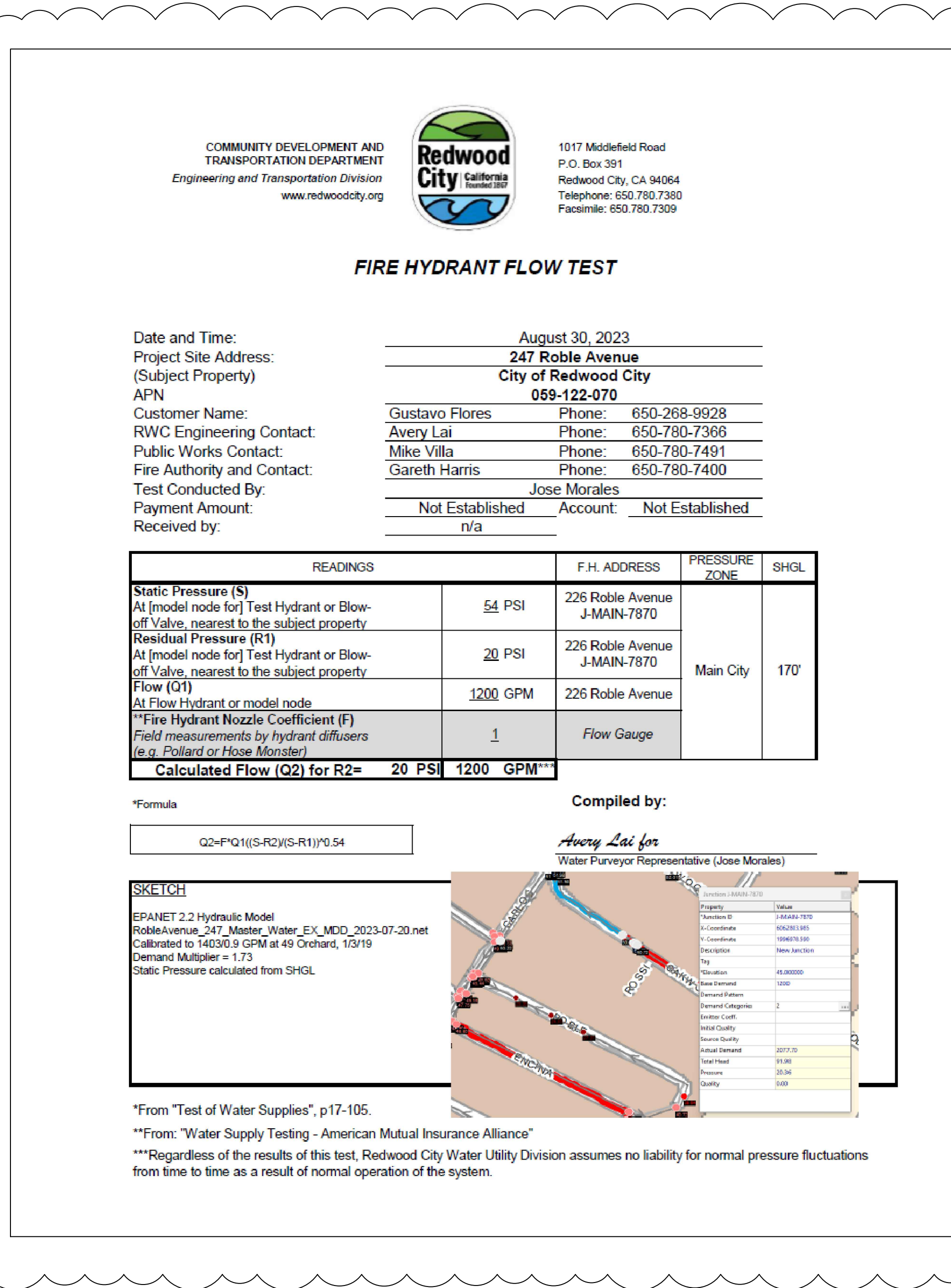
HEAT SOURCE	FROM EDGE OF SOURCE TO ORDINARY TEMPERATURE SPRINKLER		FROM EDGE OF SOURCE TO INTERMEDIATE TEMPERATURE SPRINKLER	
	IN	MM	IN	MM
SIDE OF OPEN OR RECESSED FIREPLACE	36	914	12	305
FRONT OF RECESSED FIREPLACE	60	1524	36	914
COAL- OR WOOD-BURNING STOVE	42	1067	12	305
KITCHEN RANGE	18	457	9	229
WALL OVEN	18	457	9	229
HOT AIR FLUES	18	457	9	229
UNINSULATED HEAT DUCTS	18	457	9	229
UNINSULATED HOT WATER PIPES	12	305	6	152
SIDE OF CEILING- OR WALL-MOUNTED HOT AIR DIFFUSERS	24	610	12	305
FRONT OF WALL-MOUNTED HOT AIR DIFFUSERS	36	914	18	457
HOT WATER HEATER OR FURNACE	6	152	3	76
LIGHT FIXTURE				
0 W - 250 W	6	152	3	76
250 W - 499 W	12	305	6	152

DRAWING INDEX

FP1-COVER /RISER/HANGER DETAILS PLAN
FP2-UNDERGROUND / SPIRNKLER PLANS

APPROVED
REDWOOD CITY FIRE DEPARTMENT

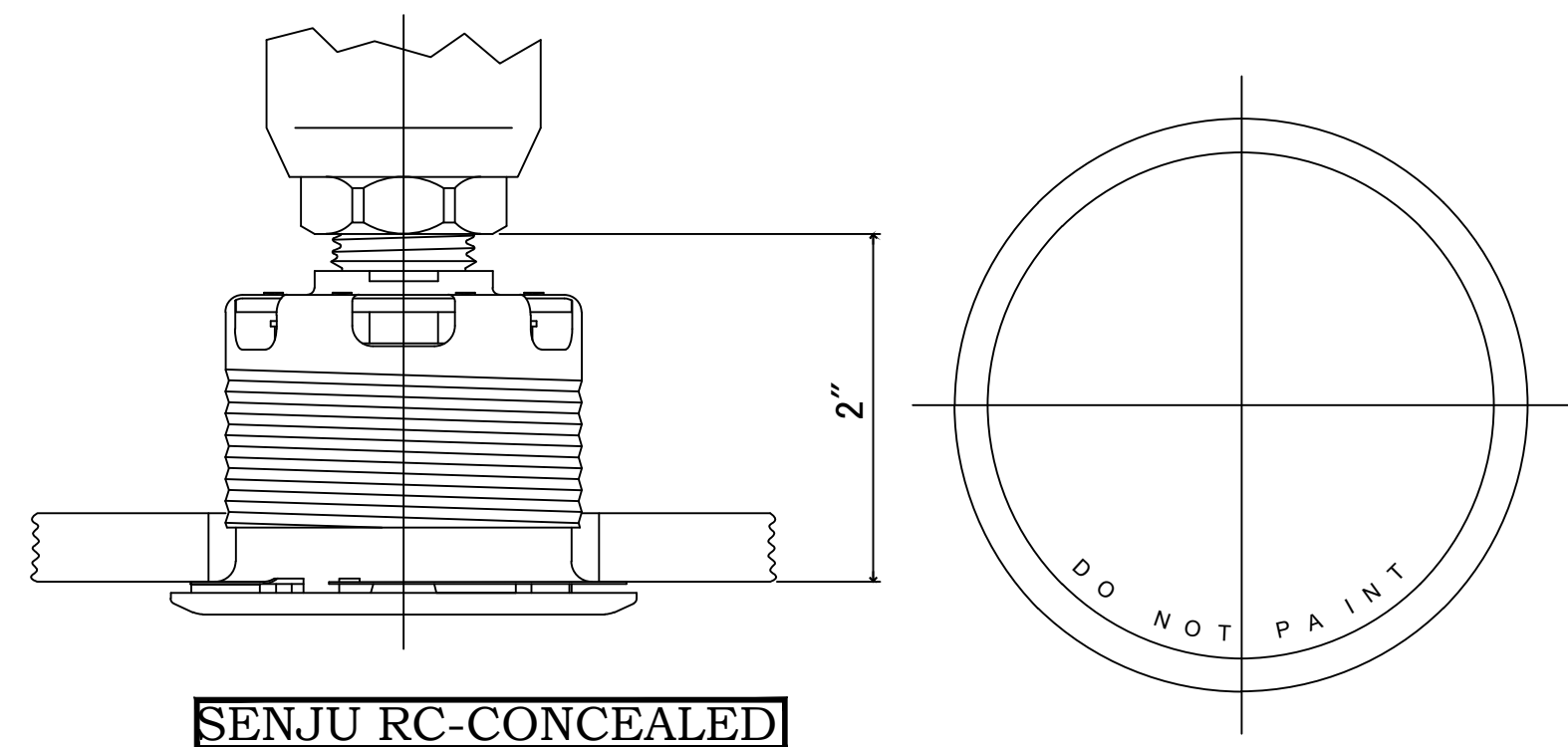
Reviewed for compliance
The stamping of this plan and/or specifications does not relieve the owner or contractor from compliance with the provisions of the applicable local and state regulations in effect at the time the Building Permit is issued



1. SYSTEM DESIGN, INSTALLATION AND TESTING SHALL BE IN ACCORDANCE WITH NFPA 130 (2022 EDITION) AND REDWOOD CITY FIRE.
2. ALL MATERIAL AND DEVICES TO BE U.L. LISTED AND/OR F.M. APPROVED. ALL DEVICES SHALL BE NEW AND FREE OF DEFECTS.
3. DWELLING SYSTEM PIPING TO BE CPVC U.L.C.
 - A: FITTINGS SHALL BE UTILIZED PURSUANT TO MANUFACTURERS LISTING.
 - B: RISER PIPING SHALL BE BRASS RESI-RISER.
4. HANGER TYPES AND SPACING SHALL BE INSTALLED PER NFPA 130 AND MANUFACTURERS LISTING.
5. HEAD LOCATIONS AND SPACING PER NFPA 130 (2022 EDITION) FOR RESIDENTIAL UNITS. CALCULATIONS AS PER NFPA 130 (2022 EDITION).
6. ANY AND ALL ALARM SYSTEM WIRING AND INSTALLATION IS BY OTHERS.
7. UNDERGROUND FIRE SERVICE SHALL BE INSTALLED BY OTHERS.
8. ALL DRILLING AND BORING OF HOLES SHALL BE DONE IN STRICT ACCORDANCE WITH THE STRUCTURAL ENGINEERS REQUIREMENTS, DO NOT UNDER ANY CIRCUMSTANCES UD, MODIFY OF OTHERWISE MODIFY PRE-MANUFACTURED TRUSSES.
9. VERIFY FINISH CEILING ELEVATION PRIOR TO INSTALLATION OF SPRINKLER HEADS.
10. VERIFY LOCATION AND SIZE OF ALL OBSTRUCTIONS, LIGHT FIXTURES, CABINETS ECT...
11. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING MATERIAL SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTION BY OTHERS.
12. HAZARDOUS MATERIAL SHALL BE PLACED IN A SECURE (LOCKED) AREA AT THE COMPLETION OF EACH WORK DAY.
13. ALL WORK SHALL BE INSTALLED IN A SAFE AND WORKMANLIKE-MANNER. REPORT ANY UNSAFE ACTIVITY OR JOB-SITE HAZARD TO YOUR SUPERVISOR IMMEDIATELY.
14. REPORT ALL INJURIES REQUIRING MEDICAL ATTENTION THE SAME BUSINESS DAY IN WHICH THEY OCCUR.
15. SPRINKLER PIPE SIZING HAS BEEN ESTABLISHED BY HYDRAULIC CALCULATIONS.
16. ALL PIPING SHALL BE HYDROSTATIC TESTED AT 200 LBS.FOR 2 HOURS AT TIME OF ROUGH FRAMING AND SHALL BE WITNESSED BY THE FIRE INSPECTOR.
17. EXTERIOR FIRE ALARM TO BE MOUNTED AT LEAST SEVEN FEET ABOVE GRADE,VISIBLE FROM THE STREET

- a) This residential sprinkler system shall be designed and installed in accordance with NFPA 13D and REDWOOD CITY FIRE.
- b) Only listed and approved devices shall be installed in this system.
- c) Only new listed residential sprinklers shall be employed in the installation of this sprinkler system.
- d) A minimum of two spare fire sprinklers of each type, temperature rating and orifice size, along with a sprinkler wrench, shall be located in a spare head cabinet at the system riser or other approved location. If less than three heads of a particular type are used, only one spare head shall be provided.
- e) All piping shall be provided with hangers and shall be supported per code and manufacturer's specifications.
- f) All piping shall be hung from structure members.
- g) All CPVC piping shall be installed by persons who have been certified by the manufacturer for installation of CPVC piping.
- h) All primers and glues shall be listed and approved for use with CPVC piping in systems using CPVC pipe.
- i) Underground mains and lead-in connections shall be flushed before connection is made to sprinkler piping.
- j) This system has been designed with a backflow prevention device as required. It is to be installed by others. Once installed it must be certified by a 3rd party.

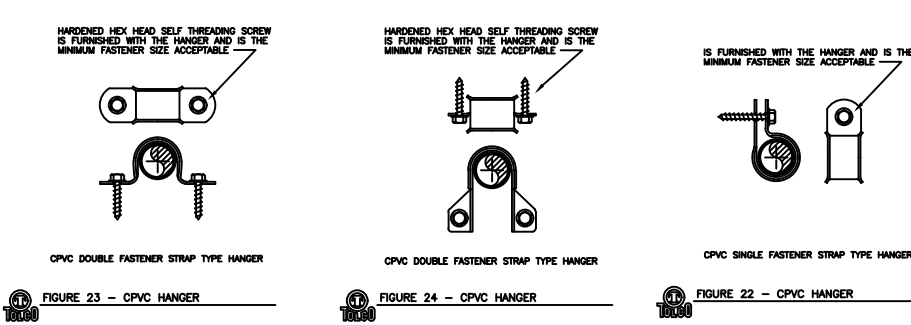
TOTAL PROJECT AREA = 1,280 SQFT.



"AHJ = REDWOOD CITY FIRE "

REVISION 1

FB23-0162 (245 Roble Ave) Job Copy

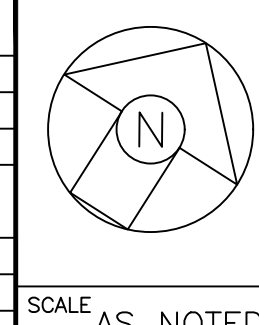
328-20-DUEPLEX.DWG

HYDRAULIC DATA		NOTES TO THE FOREMAN
STATIC PSI:	54	
RESIDUAL PSI:	20	
GPM FLOWING:	1200	
HYDRANT:	NA	
OUTL. SIZE:	NA	
LOC:	NA	
SRCE:	RWC WATER	

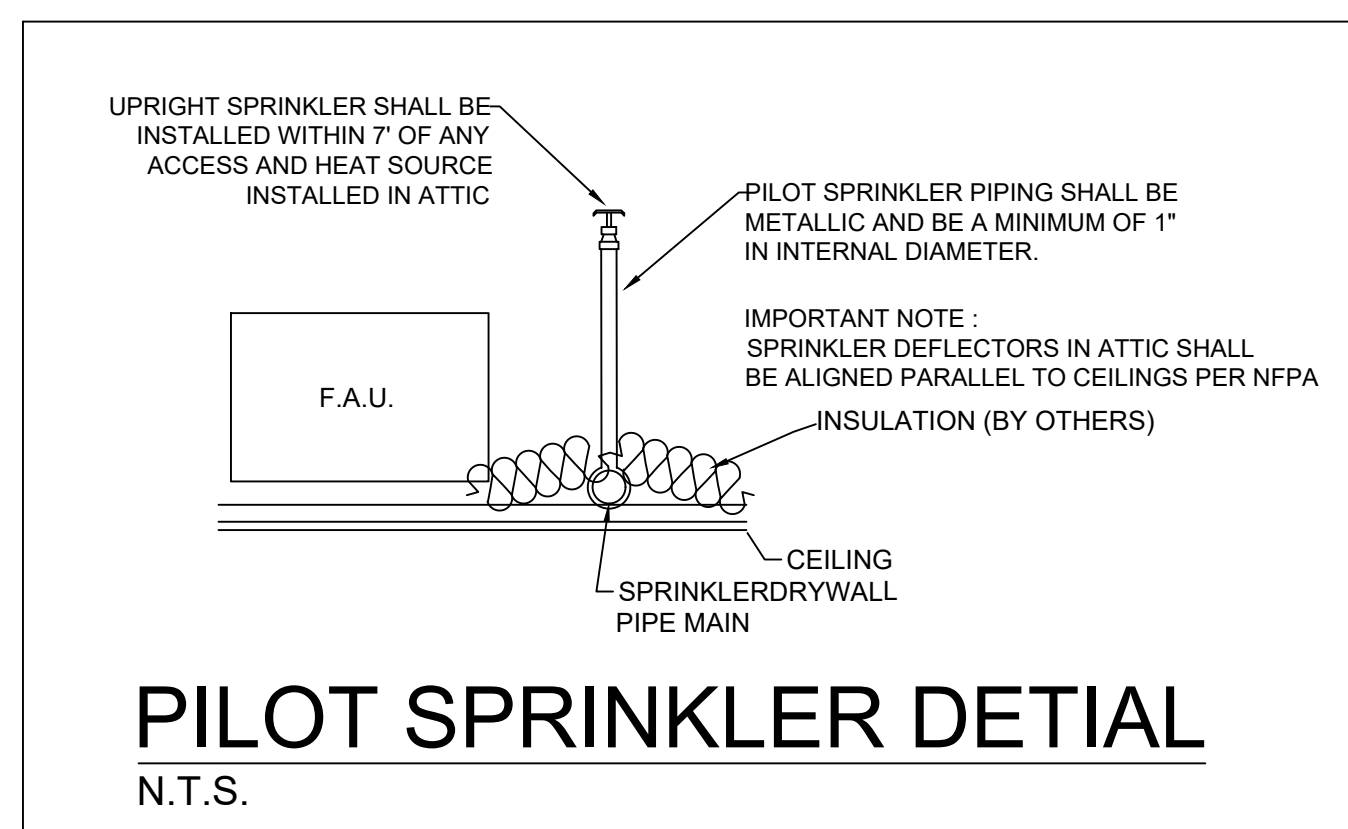
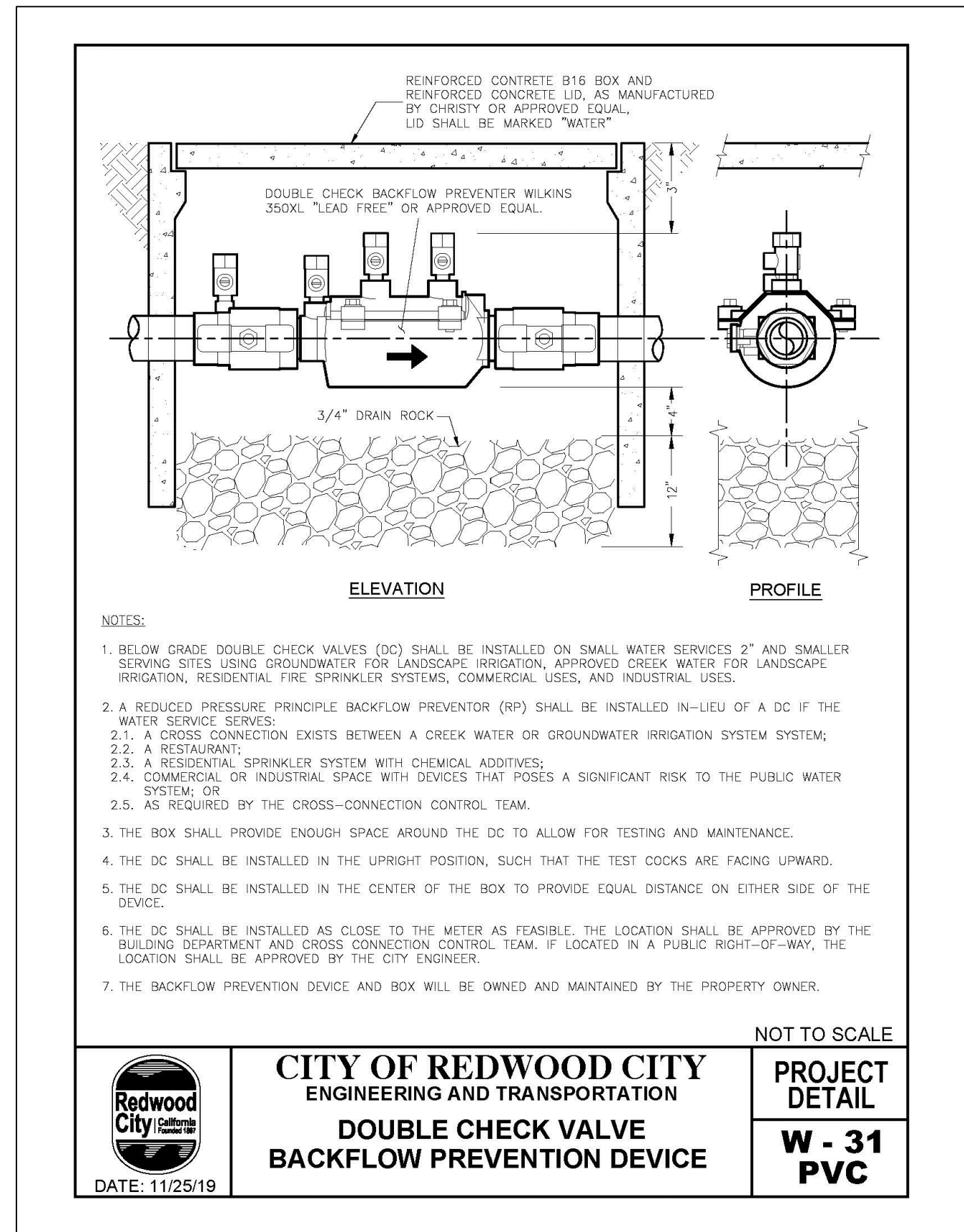
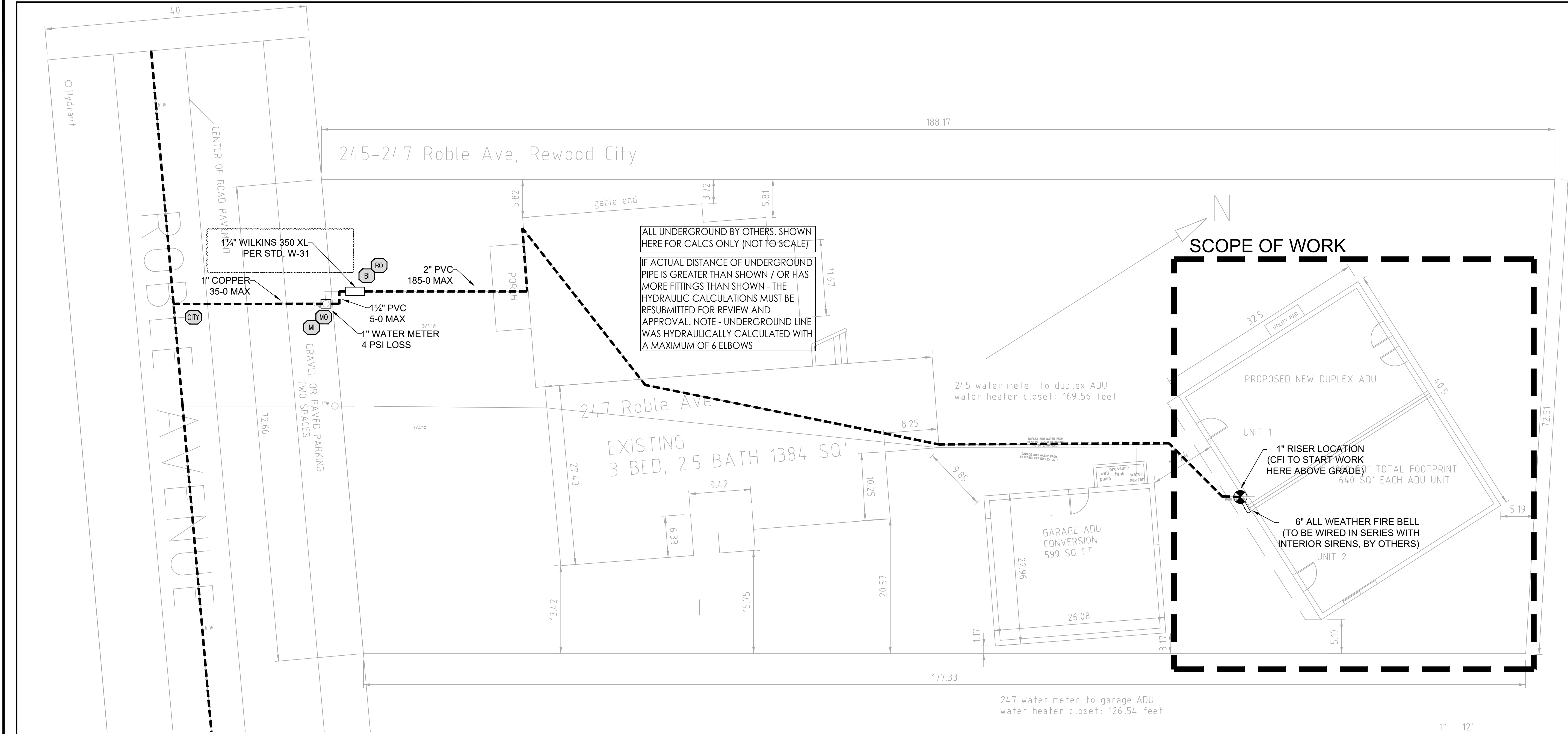
MK	DATE	BY	REVISION
1	9.8.23	GV	REVISED PER PLAN CHECK COMMENTS
2			
3			
4			
5			
6			

APPROVALS
REDWOOD CITY FIRE
WATER DEPARTMENT
REDWOOD CITY WATER

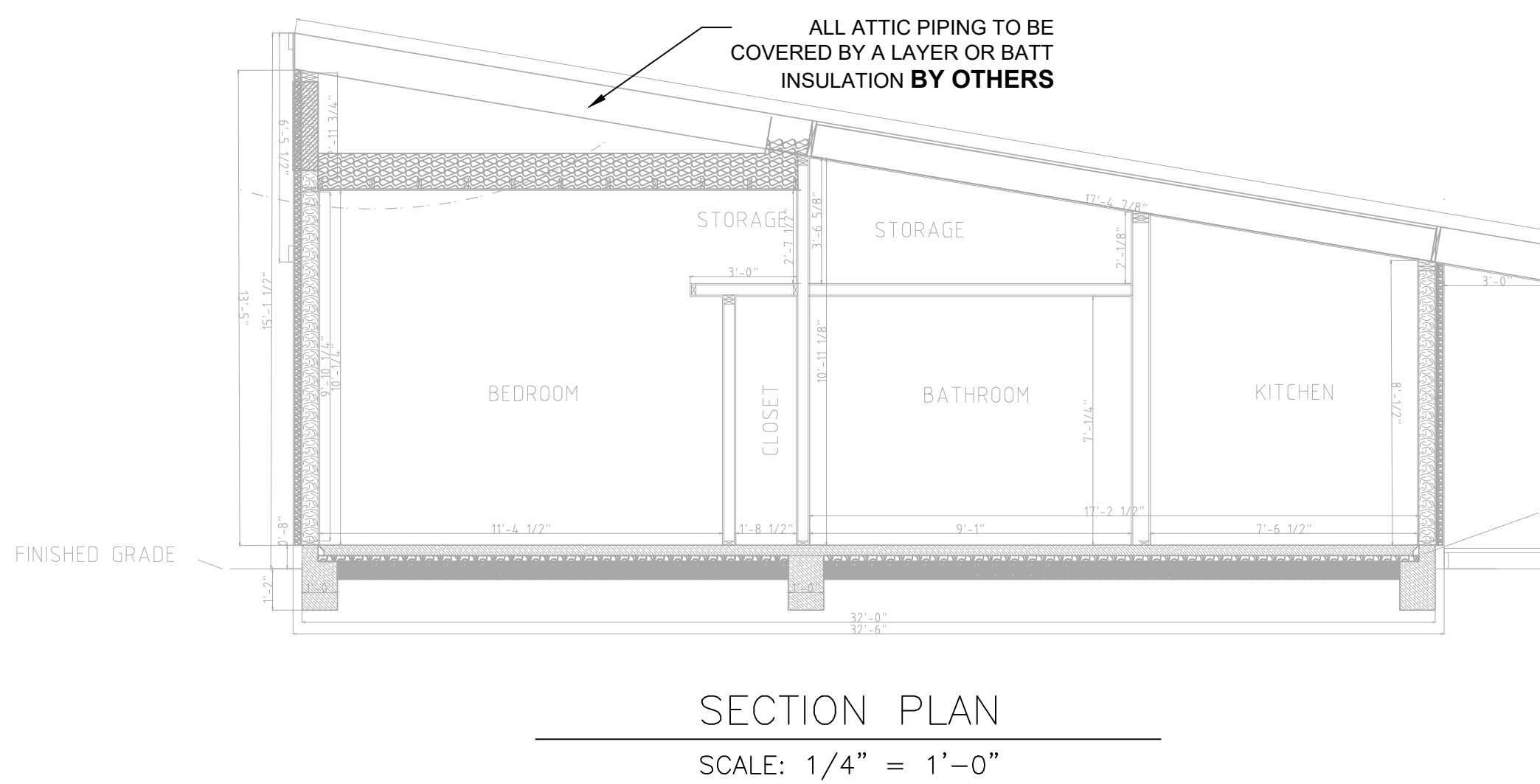
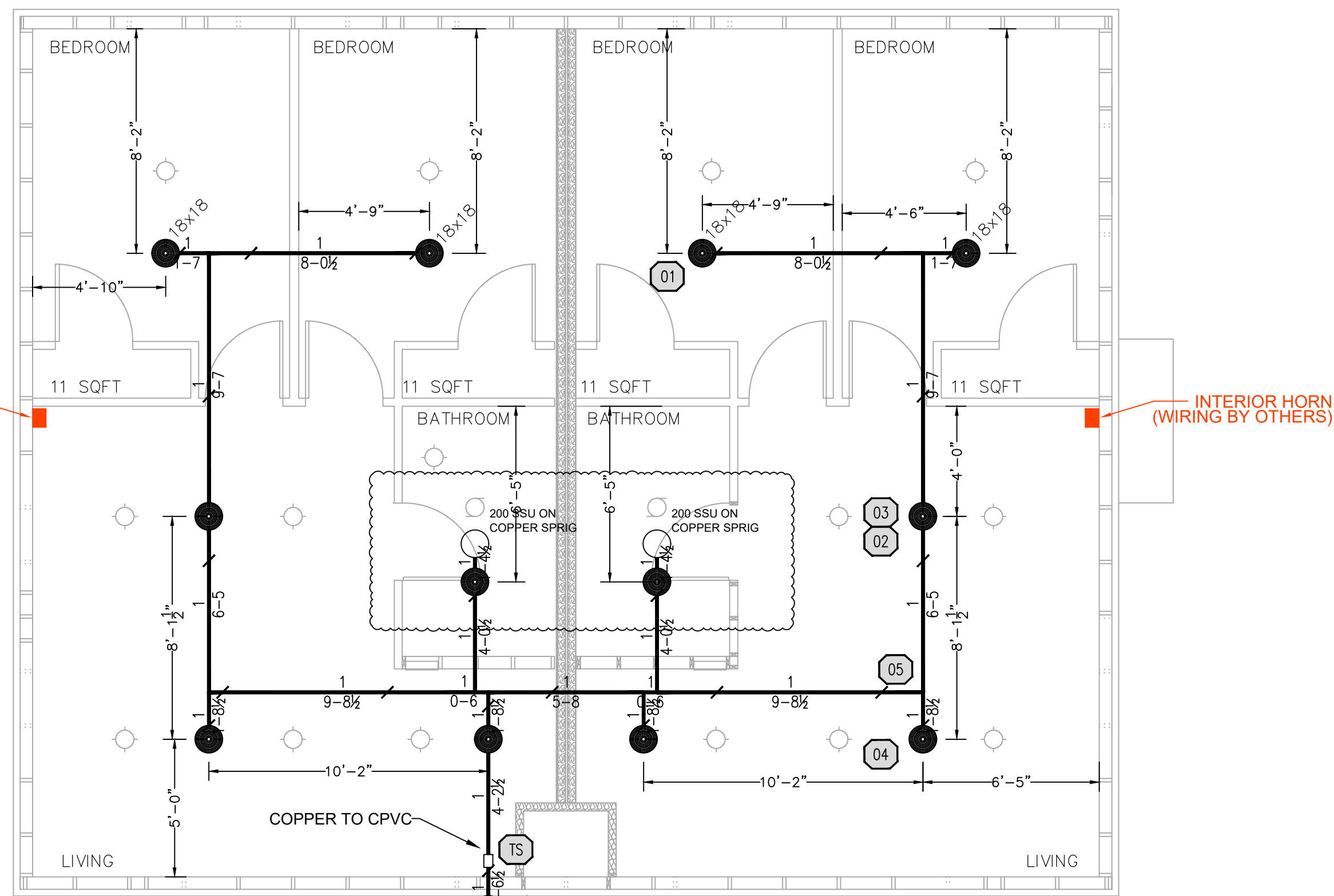
CONTRACT WITH
JEFF MILLER
328 ROBLE AVE -
REDWOOD CITY, CA
CONTACT
JEFF MILLER
650-799-6880



DUPLEX @ ROBLE AVE 245 ROBLE AVE - REDWOOD CITY, CA FP1-COVER / RISER/HANGER DETAILS PLAN		SYSTEM NFPA 130 OCCUPANCY R DRAWN SV
 CONTROL FIRE <small>AN EXHAUSTING CORPORATION</small>	CONTROL FIRE, Inc. 50 Woodside Plaza, #214 Redwood City, CA 94061 PH (650) 268-9928 FAX (650) 649-1797 C-16 #1015580	
	DATE 08/11/2023 PROJECT NO. 328-20 FP1 OF 2	



C.F.I TO ADD PILOT SPRINKLERS AT ALL ATTIC'S USED FOR STORAGE OR CONTAINING MECH. EQUIPMENT.



FIRE PLAN REVIEW & ACCEPTANCE THESE PLANS HAVE BEEN REVIEWED FOR COMPLIANCE WITH THE APPLICABLE CALIFORNIA BUILDING STANDARDS CODES AND NATIONAL STANDARDS AS ADOPTED BY THE STATE OF CALIFORNIA AND AMENDED AND ADOPTED BY THE LOCAL JURISDICTION. ALL PLANS ARE SUBJECT TO FIELD CONDITIONS AND FINAL APPROVAL AT THE TIME OF INSPECTION. PLAN REVIEW ACCEPTANCE DOES NOT PERMIT CONSTRUCTION TO PROCEED IN VIOLATION OF ANY LAW OR LOCAL REGULATION. By **Craig Hanson** Date 10/30/2023 WEST COAST CODE CONSULTANTS, WC'



Hydraulic Data Summary: 2 HEAD CALC	
Hazard Class:	RESIDENTIAL 13D
System Type:	Wet System
NODES CALC'D:	02.04
Max. Spacing:	16x16
K-Factor:	4.9
Orifice Size:	1/2"
File Name:	328-20
Hose Allowance:	.05
Sq. Footage:	2 HEADS
Density:	.05
Head count:	TWO
GPM @ BOR:	31.03
PSI @ BOR:	24.34
Safety Margin:	15%

HYDRAULIC DATA		NOTES TO THE FOREMAN		Sprinkler Head Schedule		APPROVALS		CONTRACT WITH		SYSTEM	
STATIC PSI:	54			Symbol	Count	Thread	K-Factor	REDAWOOD CITY FIRE	JEFF MILLER	NFPA 13D	
RESIDUAL PSI:	20			02	12	1/2"	5.6		328 ROBLE AVE -	OCCUPANCY	
GPM FLOWING:	1200								REDWOOD CITY, CA	R	
HYDRANT:	NA										
OUTL. SIZE:	NA										
LOC:	NA										
SRC:	RWC WATER										

REVISION 1

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