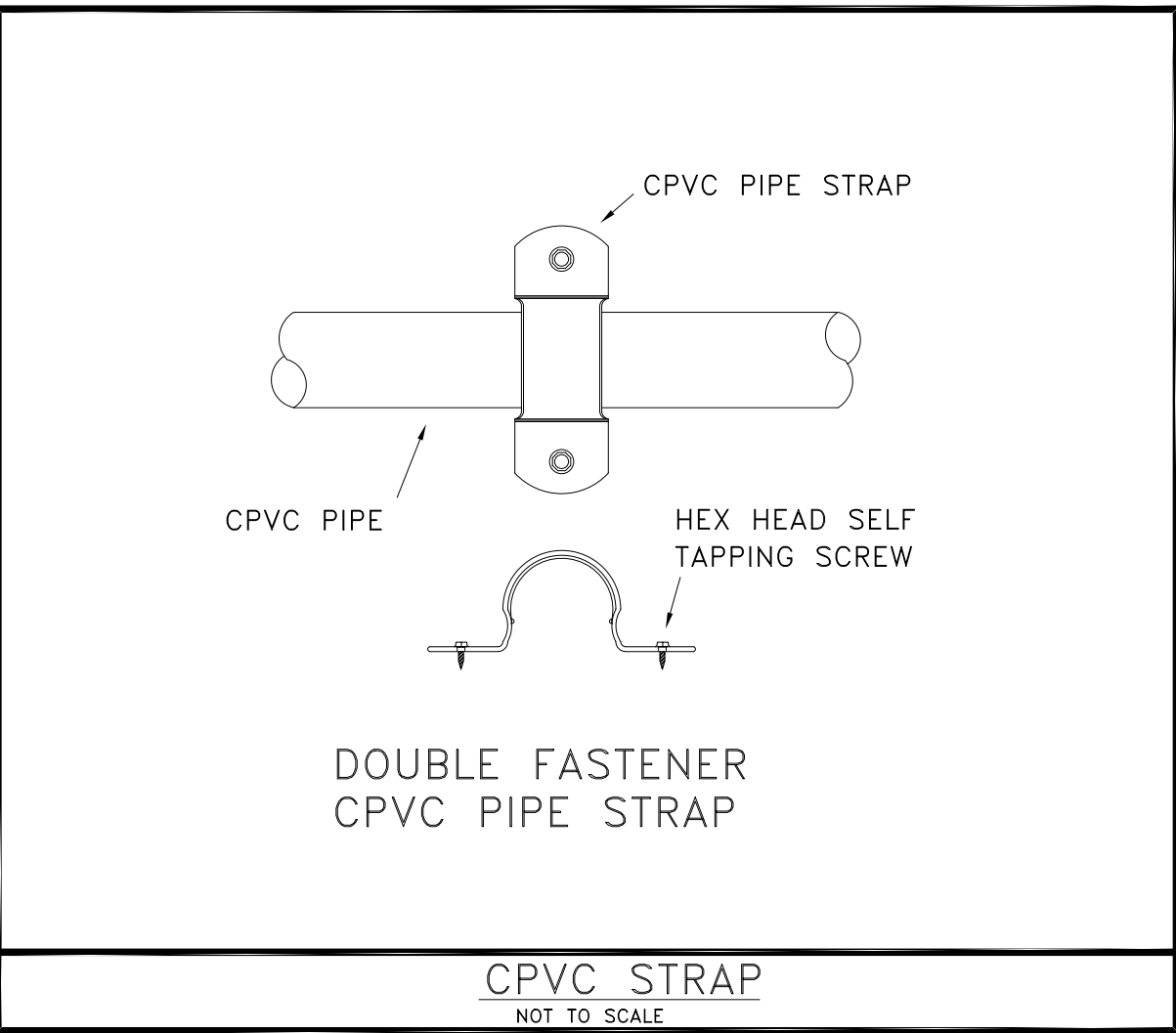


GENERAL NOTES

<ol style="list-style-type: none">1. DESIGN & INSTALLATION TO BE PERFORMED IN ACCORDANCE WITH NFPA 13R 2016 AND LOCAL AUTHORITIES.2. ALL FIRE SPRINKLER DEVICES TO BE UL LISTED AND/OR FM APPROVED.3. GARAGES, ELEVATOR, OPEN BALCONIES, CLOSETS LESS 24sq.ft AND BATHROOMS LESS THAN 55 SQ FT NOT SPRINKLERED PER NFPA 13D.4. PIPING TO BE CPVC BLAZEMASTER FOR SIZES "1" AND UP A. DO NOT INSTALL CPVC PIPE EXPOSED TO THE SUN OR OUTSIDE ELEMENTS. EXPOSED PIPING (AT GARAGE) TO BE (ASTM A-135) ALUMINUM XL OR AMERICAN BILT FOR "1" THRU 2" NO BIGGER SIZES EXPECTED TO BE USED5. FITTINGS CPVC FITTINGS SHALL MEET OR EXCEED THE REQUIREMENTS OF ASTM F437, F438 AND F439.6. HANGERS TO BE IN ACCORDANCE WITH NFPA 13R, CPVC SPACING SCHEDULE AND LOCAL AUTHORITIES. A. SUPPORT SPRINKLER HEAD PROPERLY TO PREVENT LIFT UP OF THE HEAD THROUGH THE CEILING WHEN ACTIVATED. B. USE THREADED ROD WITHIN 1/16" OF THE PIPE OR USE SURGE ARRESTOR, DO NOT ALLOW ROD TO COME IN CONTACT WITH THE PIPE.7. SYSTEM TO BE TESTED @ CITY PRESSURE WITH NO VISABLE LEAK8. ALL AUTOMATIC FIRE SPRINKLER PIPING, AND UNDERGROUND FIRE SERVICE SHALL BE INSTALL BY A CERTIFIED CONTRACTOR AS PER FLORIDA CODE. PER NFPA 24 (2016 ED.) CHAPTER 10, 1" CPVC IS ALLOWED TO BE USED.9. PER NFPA 13R 7.7: IF TEMPERATURES IN THE ATTIC CAN EXCEED THE TEMPERATURE OF THE NON-METALLIC PIPE, THEN SAID PIPE SHALL BE INSULATED.10. PER 2016 NFPA 13R NOTE 6: A SIGN AFFIXED TO THE MAIN SHUTOFF VALVE THAT STATES IN MINIMUM 1/4-INCH LETTERS, "WARNING, THE WATER SYSTEM FOR THIS HOME SUPPLIES A FIRE SPRINKLER SYSTEM THAT DEPENDS ON CERTAIN FLOWS AND PRESSURES BEING AVAILABLE TO FIGHT A FIRE. DEVICES THAT RESTRICT THE FLOW OR DECREASE THE PRESSURE SUCH AS WATER SOFTNERS SHALL NOT BE ADDED TO THIS SYSTEM WITHOUT A REVIEW OF THE FIRE SPRINKLER SYSTEM BY A FIRE PROTECTION SPECIALIST. DO NOT REMOVE THIS SIGN".
--



UNDERGROUND SERVICE GENERAL NOTES

- 1- PIPING SHALL BE LISTED OR MEET AWWA STANDARDS AND FITTINGS OF AN APPROVED TYPE WITH JOINTS AND PRESSURE CLASS RATINGS COMPATIBLE WITH THE PIPE USED.
- 2- UNDERGROUND MAINS AND LEAD-IN CONNECTIONS TO SYSTEM SHALL BE FLUSHED THOROUGHLY BEFORE CONNECTION IS MADE TO SPRINKLER SYSTEM.
- 3- FIRE SERVICE MAINS SHALL BE HYDROSTATICALLY TESTED AT NOT LESS 200 PSI FOR TWO HOURS, THE AMOUNT OF LEAKAGE AT THE JOINTS SHALL NOT EXCEED TWO QUARTS PER HOUR PER 100 GASKETS OF JOINTS IRRESPECTIVE OF PIPE DIAMETER.
- 4- FIRE SERVICE MAINS SHALL BE BURIED A MINIMUM DEPTH OF 3 FT. FROM GRADE TO TOP OF PIPE

SCHEDULE

- DOUBLE CHECK DETECTOR ASSEMBLY
- OS&Y VALVE W/TAMPER (WIRING BY OTHERS)
- FLANGED 90° ELL
- ADJUSTIBLE STAND ON CONCRETE PAD
- FLANGED SPIGOT-C.I.F.
- CONCRETE PAD (TO BE INSTALLED BY OTHERS)
- MEGALUG RESTRAINTS PER NFPA 24
- M.J. BEND
- DIP U.G FROM CITY
- 10.2 1/2" FDC (BY OTHERS)
- CHECK VALVE (BY OTHERS)
- TESTING OUTLET

DOUBLE DETECTOR CHECK VALVE

F.D.C

BACKFLOW ASSEMBLY

FIRE DEPT. CONN ASSEMBLY

FROM CITY BY OTHERS

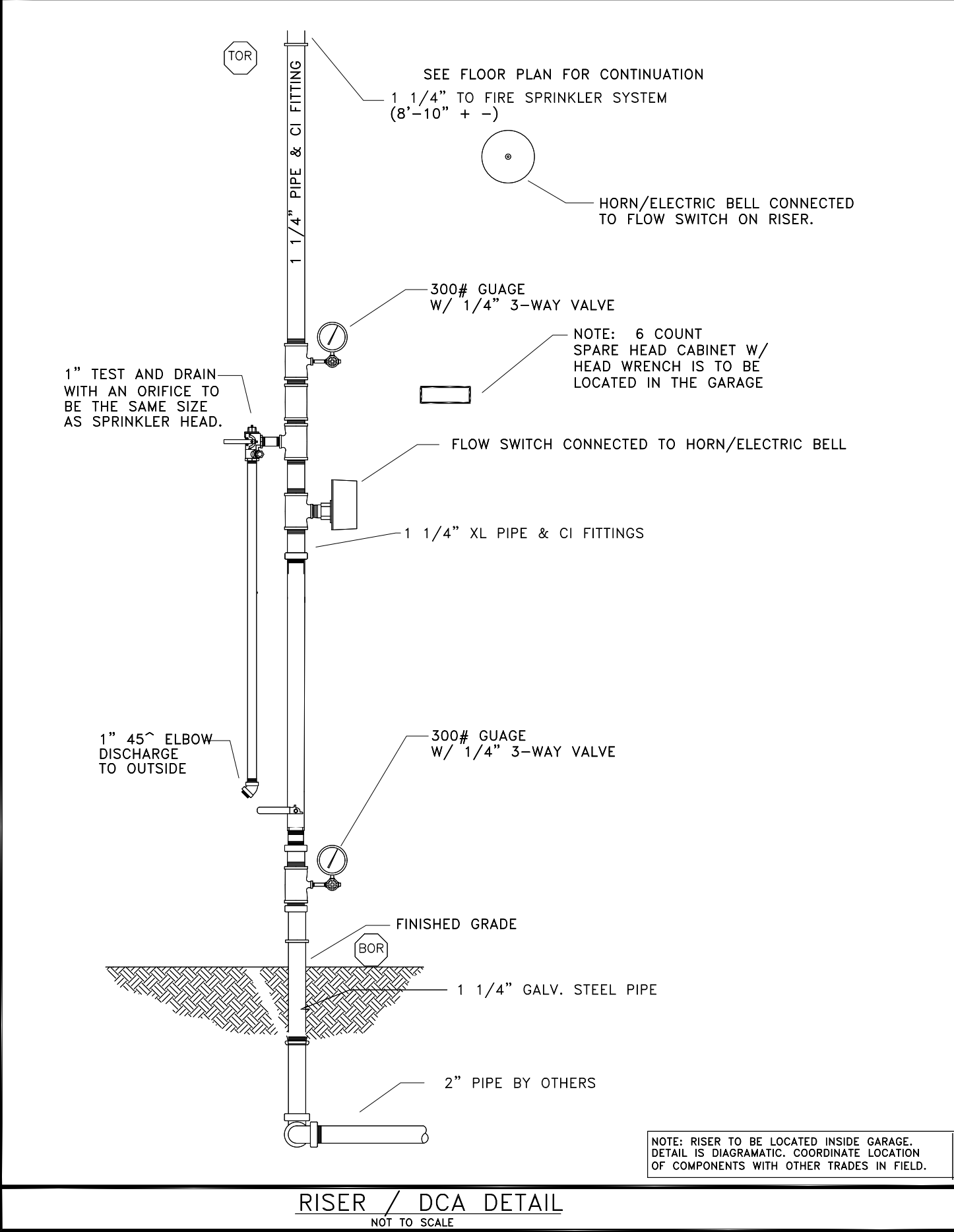
SUMMERS FIRE STARTING POINT

30" MIN. UNDERGROUND

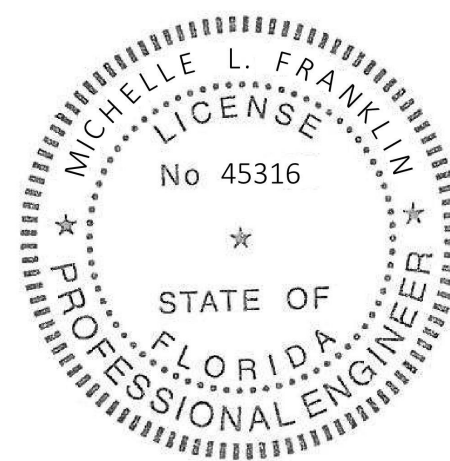
30" MIN. UNDER GROUND

24" MIN 26" MAX

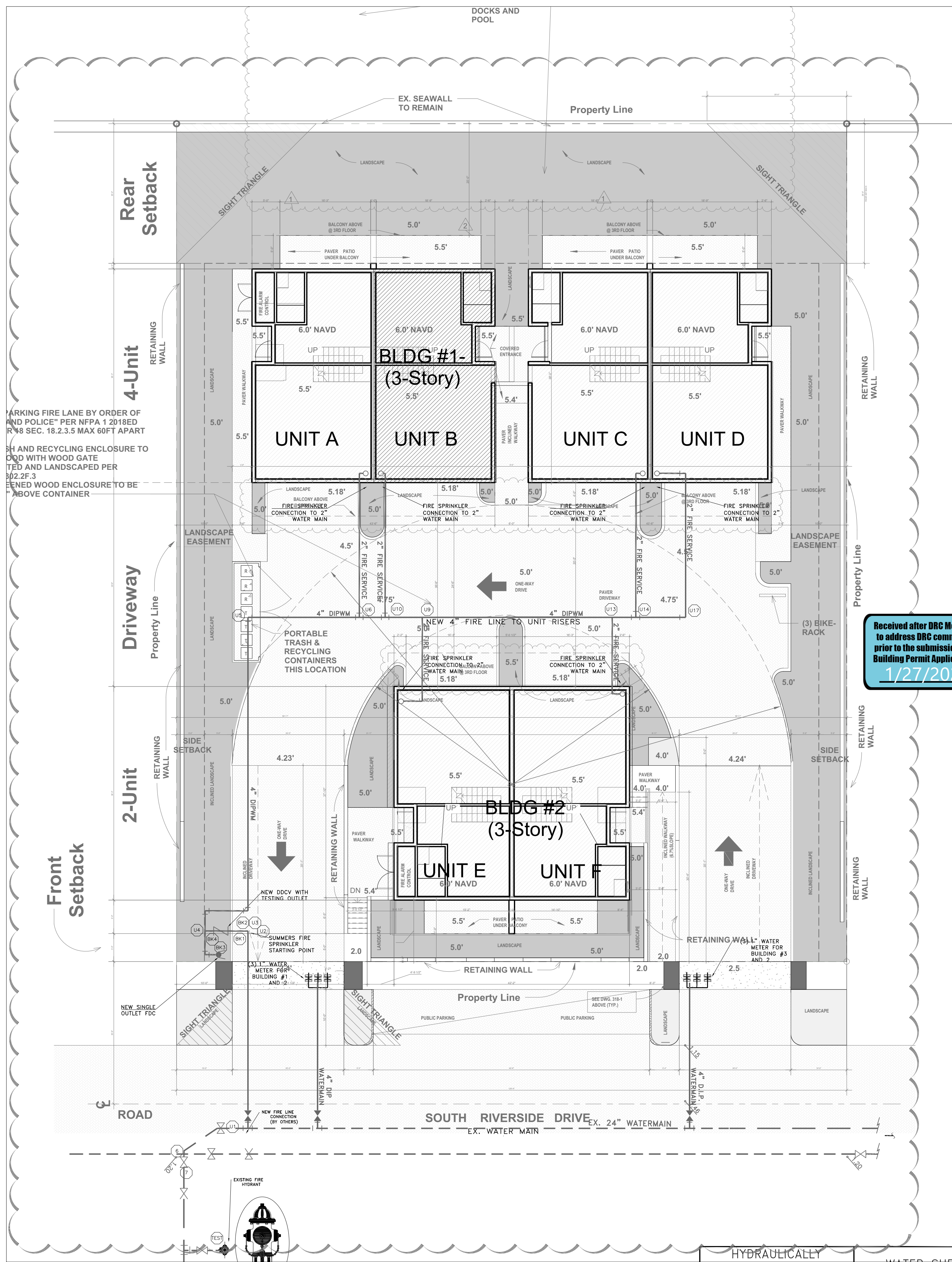
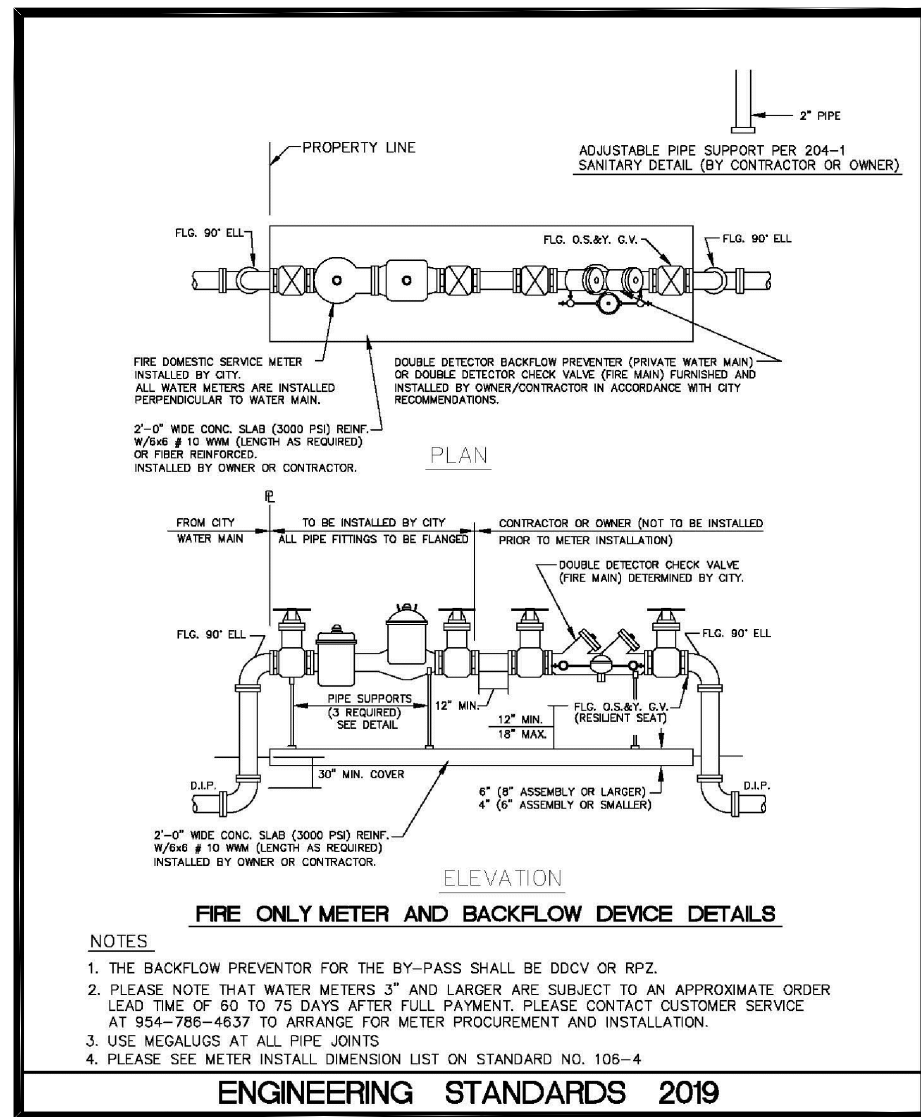
D.I.P. WATERMAIN



NFPA 13 TABLE 6.2.2.MAXIMUM DISTANCE BETWEEN HANGERS (FT – IN)												
NOMINAL PIPE SIZE	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	5"	6"	8"
STEEL PIPE EXCEPT THREADED LIGHT-WALL	N/A	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0
THREADED LIGHT-WALL STEEL PIPE	N/A	12-0	12-0	12-0	12-0	12-0	12-0	N/A	N/A	N/A	N/A	N/A
CPVC	5-6	6-0	6-6	7-0	8-0	9-0	10-0	N/A	N/A	N/A	N/A	N/A
NOTES												
1. THERE SHALL BE NOT LESS THAN ONE HANGER FOR EACH SECTION OF PIPE												
2. SUPPORT SPACING DISTANCE FOR END LINE SPRINKLER DROP ELBOWS AND DROP TEES TO BE IN ACCORDANCE WITH NFPA 13 AND THE PRODUCT APPROVAL LISTING.												



Digitally signed by
Michelle L.
Franklin
Date: 2022.01.26
19:37:25 -05'00'



HYDRAULICALLY CALCULATED SYSTEM		WATER SUPPLY	
CALC AREA:		FLOW TEST	
NO. OF SPRINKLERS:	DATE OF TEST:	10/22/21	
DENSITY (psi/sq.ft):	TIME OF TEST:	9:15 AM	
DESIGN AREA (sq.ft):	STATIC PRESSURE (psi):	80	
FLOW RATE (gpm):	RESIDUAL PRESSURE (psi):	77	
PRESSURE (psi):	GALLONS FLOWING (gpm):	1159	
FLOW TEST REF. POINT:	TESTED BY:	SUMMERS	



Summers
FIRE SPRINKLERS, INC

751 PARK OF COMMERCE DR., SUITE 100
BOCA RATON, FL 33487
561-393-6718 FAX 393-6986
FL LICENSE # 93107400012001

[illegible]

RIVERSIDE TOWNHOMES
BUILDING #1 UNIT B
117 SOUTH RIVERSIDE DRIVE
POMPANO BEACH, FLORIDA 33062

A circular professional engineer seal for Michelle L. Franklin. The outer ring contains the text "MICHELLE L. FRANKLIN" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The inner circle contains the word "LICENSE" at the top, "No 45516" in the center, a single star below the number, and "STATE OF FLORIDA" at the bottom.

SHEET No .	
FP-1	
SHEET 1 OF 2	
DRAWING TITLE	
FLOOR SPRINKLER PLAN	
DATE	10/17/21
DWG BY	CD
FILE NAME	FIRE SHOP DRAWINGS-UNIT E
SCALE	AS NOTED
JOB #	BC922
A.H.J.	CITY OF POMPANO BEACH