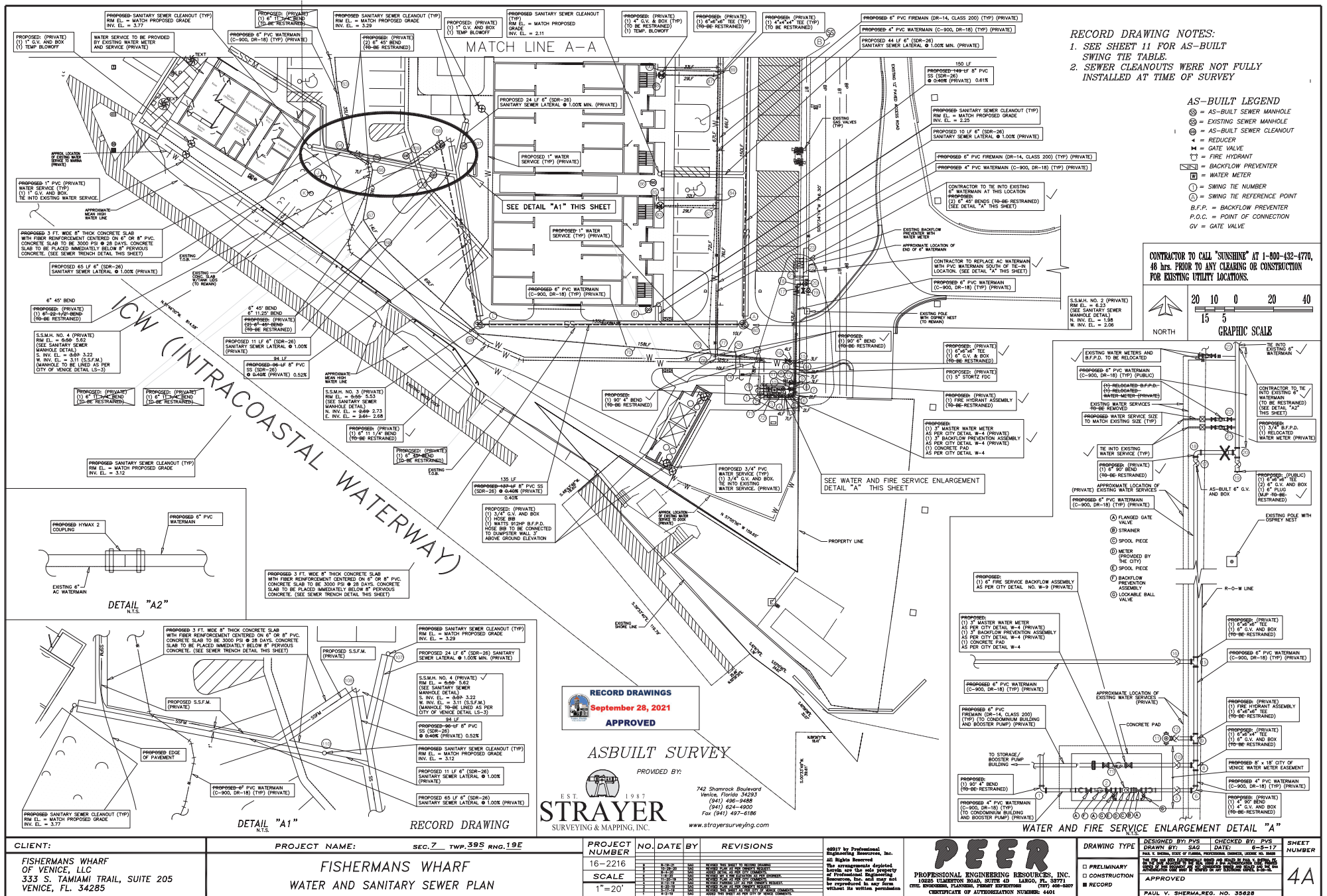
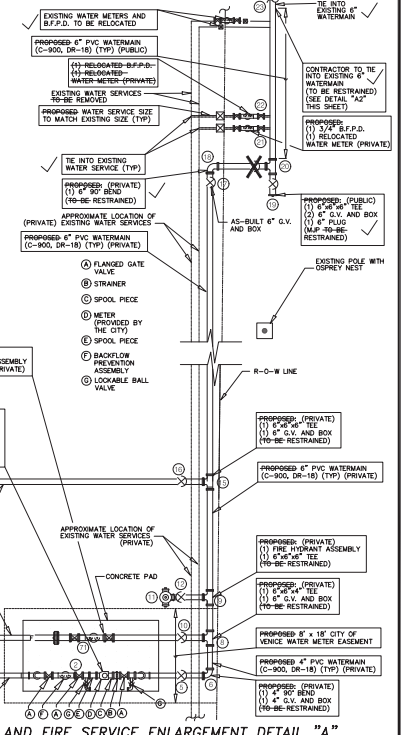
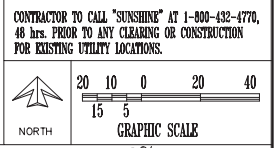




RECORD DRAWING NOTES:
 1. SEE SHEET 11 FOR AS-BUILT SWING TIE TABLE.
 2. SEWER CLEANOUTS WERE NOT FULLY INSTALLED AT TIME OF SURVEY

- AS-BUILT LEGEND**
- AS-BUILT SEWER MANHOLE
 - EXISTING SEWER MANHOLE
 - AS-BUILT SEWER CLEANOUT
 - REDUCER
 - GATE VALVE
 - FIRE HYDRANT
 - BACKFLOW PREVENTER
 - WATER METER
 - SWING TIE NUMBER
 - SWING TIE REFERENCE POINT
 - B.F.P. = BACKFLOW PREVENTER
 - P.O.C. = POINT OF CONNECTION
 - GV = GATE VALVE



RECORD DRAWINGS
 September 28, 2021
 APPROVED

ASBUILT SURVEY
 PROVIDED BY:
STRAYER
 SURVEYING & MAPPING, INC.
 742 Shamrock Boulevard
 Venice, Florida 33595
 (941) 496-9488
 (941) 424-9900
 Fax (941) 497-6166
 www.strayersurveying.com

CLIENT:	PROJECT NAME:	SEC. 7 TWP. 39S RING. 19E
FISHERMANS WHARF OF VENICE, LLC 333 S. TAMiami TRAIL, SUITE 205 VENICE, FL 34285	FISHERMANS WHARF WATER AND SANITARY SEWER PLAN	

PROJECT NUMBER	NO.	DATE	BY	REVISIONS
16-2216	1	09/28/21	STRAYER	ISSUED FOR PERMIT
SCALE	1"=20'			

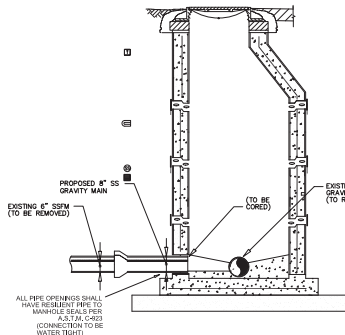
DESIGNED BY: PVS
 DRAWN BY: SAK
 CHECKED BY: PVS
 DATES: 8-11-17

PEER
 PROFESSIONAL ENGINEERING RESOURCES, INC.
 1005 CLAMROCK ROAD, SUITE 40, LARGO, FL 34771
 CIVIL ENGINEER, FLA. REG. NO. 12071
 CERTIFICATE OF AUTHORIZATION NUMBER: 4401

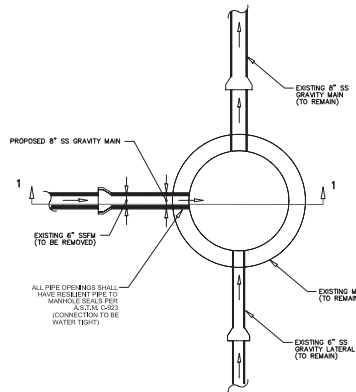
DRAWING TYPE:
☐ PRELIMINARY
☒ CONSTRUCTION
☐ RECORD

SHEET NUMBER
 4A

PAUL V. SHERMA, REG. NO. 35628

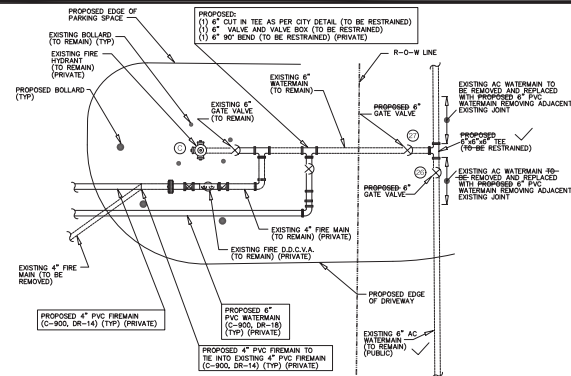


SECTION 1-1

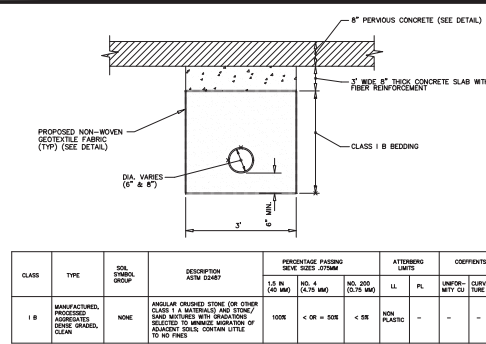


PLAN VIEW

EXISTING M.H. NO. A TIE IN DETAIL



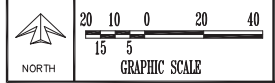
WATER AND FIRE SERVICE ENLARGEMENT DETAIL "B"



SEWER TRENCH AND CONCRETE SLAB DETAIL

LEGEND	
PROPOSED	EXISTING

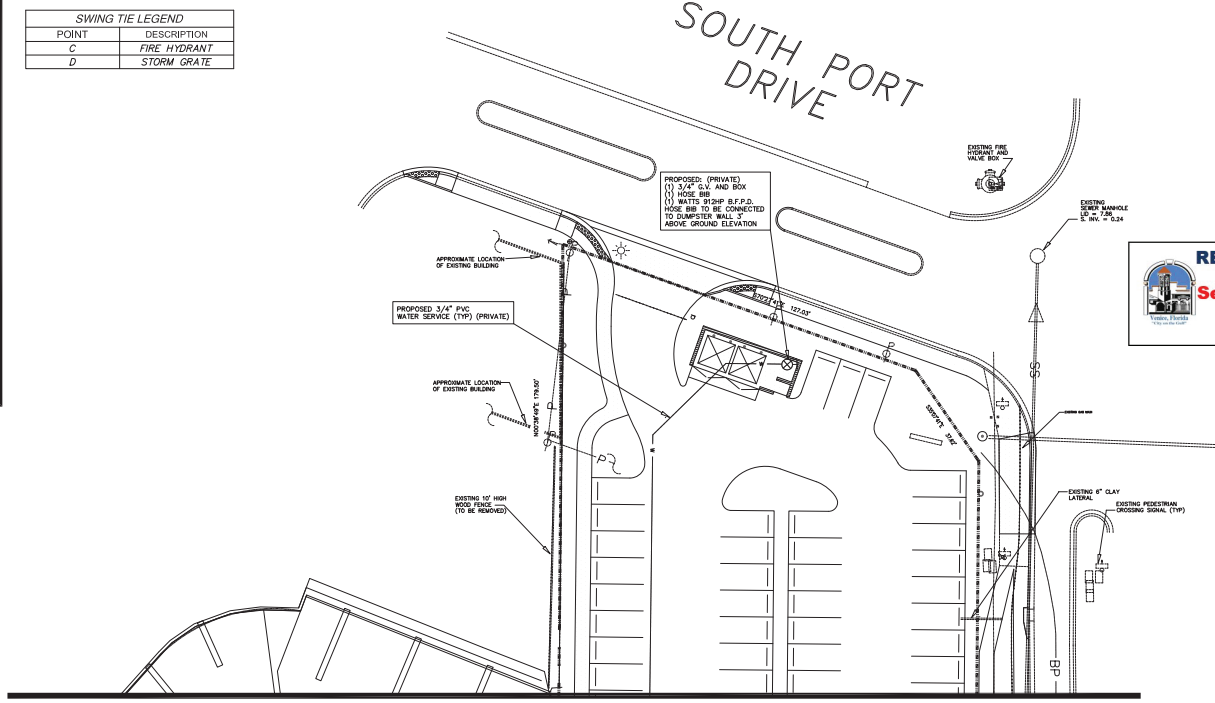
CONTRACTOR TO CALL "SUNSHINE" AT 1-800-432-4770, 48 hrs. PRIOR TO ANY CLEARING OR CONSTRUCTION FOR EXISTING UTILITY LOCATIONS.



UTILITIES SWING TIE TABLE							
NO.	DESCRIPTION	REFERENCE FROM	DISTANCE	REFERENCE FROM	DISTANCE	ELEVATION (TOP)	
26	6" GATE VALVE	C	19.8'	D	57.9'	3.67'(NUT)	N:1007595.24 E:511620.09
27	6" GATE VALVE	C	17.9'	D	53.8'	3.25'(NUT)	N:1007599.87 E:511619.01

SWING TIE LEGEND	
POINT	DESCRIPTION
C	FIRE HYDRANT
D	STORM GRATE

AS-BUILT LEGEND
 ① = SWING TIE NUMBER
 ② = SWING TIE REFERENCE POINT



RECORD DRAWING

MATCH LINE B-B

RECORD DRAWINGS
 September 28, 2021
 APPROVED

ASBUILT SURVEY
 PROVIDED BY:
STRAYER
 SURVEYING & MAPPING, INC.
 742 Shamrock Boulevard
 Venice, Florida 34293
 (941) 496-9488
 (941) 624-6900
 Fax (941) 497-6186
 www.strayersurveying.com

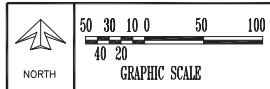
NOTES:
 1. ON-SITE FIRE MAINS AND WATERMANS ARE PRIVATE AND ARE TO BE MAINTAINED BY THE PROPERTY OWNER.
 2. PRIVATE FIRE HYDRANTS HAVE A \$100 PER YEAR CITY OF VENICE MAINTENANCE FEE.
 3. NO FUTURE CONNECTIONS OR SERVICES ARE TO BE ADDED TO THE PRIVATE WATERMAN LOOP.
 4. NO DATE PALMS OR OTHER TREES PLANTED OVER WATERMAN OR WHERE DRIFLINE EXTENDS OVER DRIFLINE.

CLIENT:	PROJECT NAME:	SEC. 7 TWP. 39S RING. 19E	PROJECT NUMBER	NO. DATE BY	REVISIONS	DESIGNED BY: PVS	CHECKED BY: PVS	SHEET NUMBER
FISHERMANS WHARF OF VENICE, LLC 333 S. TAMiami TRAIL, SUITE 205 VENICE, FL. 34285	FISHERMANS WHARF WATER AND SANITARY SEWER PLAN		16-2216	16-2216		DESIGNED BY: PVS DRAWN BY: SAC DATE: 8-25-17	CHECKED BY: PVS DATE: 8-25-17	4C
			SCALE	1"=20'		DESIGNED BY: PVS DRAWN BY: SAC DATE: 8-25-17	CHECKED BY: PVS DATE: 8-25-17	

DESIGNED BY: PVS
 DRAWN BY: SAC
 DATE: 8-25-17

PEER
 PROFESSIONAL ENGINEERING RESOURCES, INC.
 1005 TAMiami ROAD, SUITE 40
 VENICE, FL 34293
 (941) 496-9488
 (941) 624-6900
 FAX (941) 497-6186
 CERTIFICATE OF AUTHORIZATION NUMBER 4401

DRAWING TYPE
☐ PRELIMINARY
☒ CONSTRUCTION
☐ RECORD



SOUTH PORT DRIVE

U.S. HIGHWAY No. 41 BUS.

HARBOR LIGHTS MOBILE HOME PARK

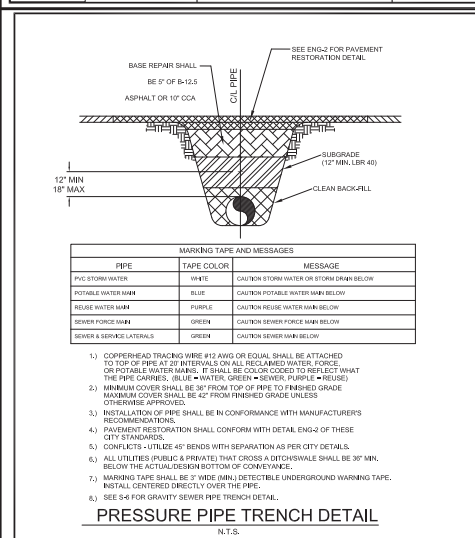
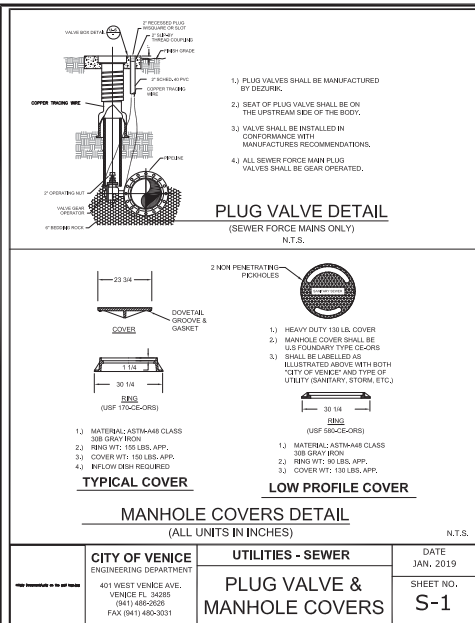
ICW (INTRACOASTAL WATERWAY)

POINT	DESCRIPTION
A	SEWER MANHOLE
B	SEWER MANHOLE
C	FIRE HYDRANT
D	STORM GRATE
E	STORM GRATE
F	STORM GRATE
G	FIRE HYDRANT
H	FIRE HYDRANT
I	E. TANK LID
J	E. TANK LID
K	SEWER MANHOLE

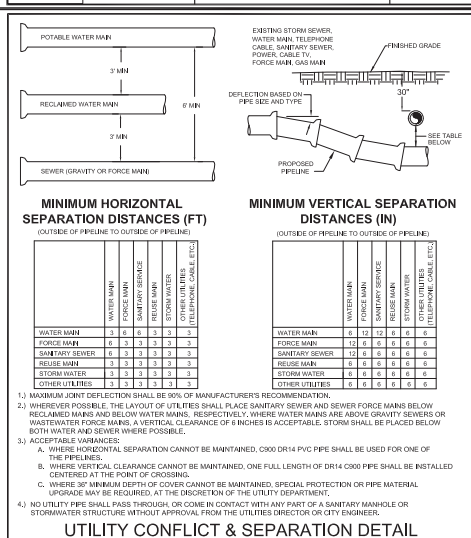
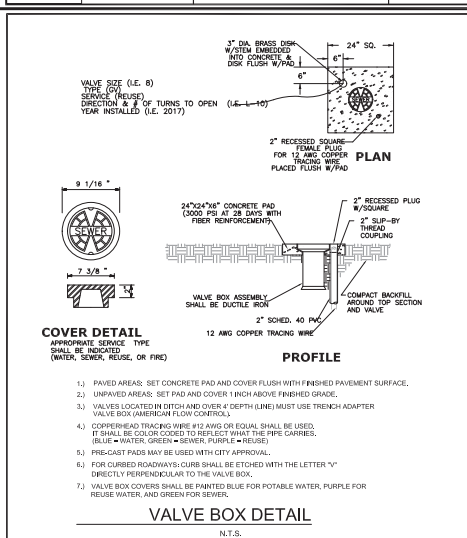
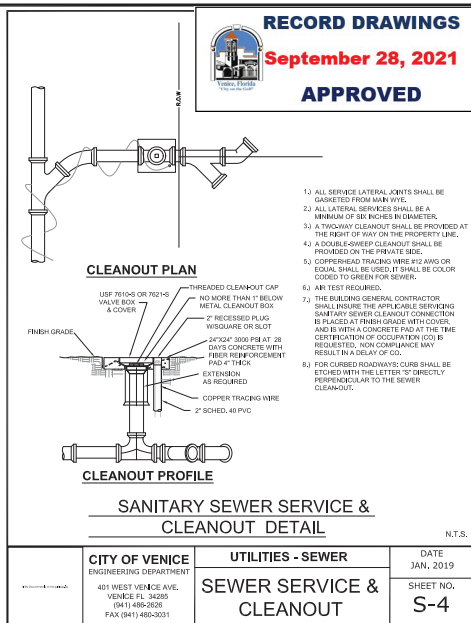
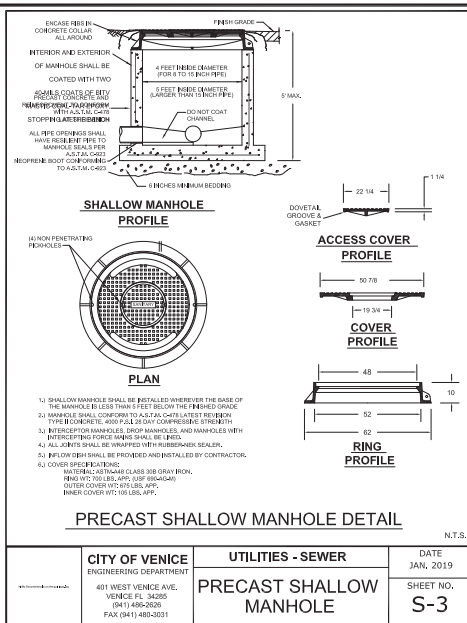
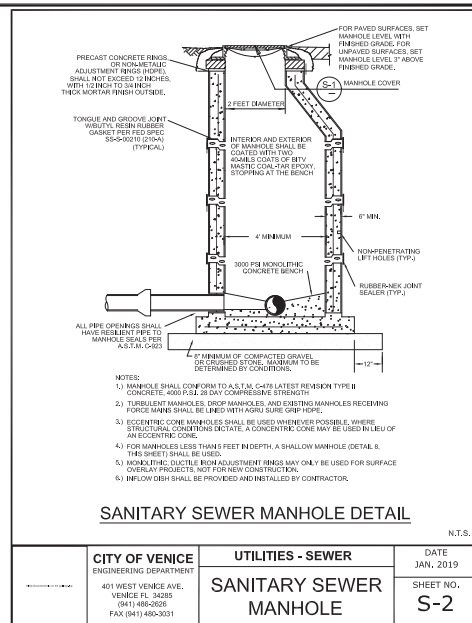
UTILITIES SWING TIE TABLE									
NO.	DESCRIPTION	REFERENCE FROM	DISTANCE	REFERENCE FROM	DISTANCE	ELEVATION (TOP)	NORTH	EAST	
1	4" 90° VERT BEND	A	36.4'	B	188.5'	4.02'	N1007269.14	E511586.73	
2	8" P.V.C.	A	38.2'	B	187.2'	4.32'	N1007268.33	E511586.30	
3	3" 90° VERT BEND	A	40.9'	B	187.4'	4.31'	N1007268.33	E511586.30	
4	4"x3" REDUCER	A	41.3'	B	187.2'	4.32'	N1007268.33	E511586.30	
5	4" GATE VALVE	A	43.2'	B	187.2'	4.32'	N1007268.33	E511586.30	
6	4" 90° BEND	A	44.8'	B	186.8'	4.49'	N1007268.00	E511607.17	
7	6"x4" REDUCER	A	43.2'	B	186.8'	4.49'	N1007268.00	E511607.17	
8	6" TEE	A	42.1'	B	183.3'	4.47'	N1007269.63	E511607.18	
9	6" TEE	A	39.7'	B	180.1'	4.46'	N1007274.69	E511607.41	
10	6" GATE VALVE	A	41.4'	B	183.4'	4.37'	N1007271.57	E511605.74	
11	FIRE HYDRANT	A	36.9'	B	180.0'	10.01'(NUT)	N1007273.37	E511602.88	
12	6" GATE VALVE	A	38.9'	B	180.3'	5.89'(NUT)	N1007274.70	E511606.28	
13	4" 90° VERT BEND	A	38.2'	B	173.3'	4.34'	N1007281.01	E511607.72	
14	6" 45° VERT BEND	A	33.3'	B	171.1'	3.91'	N1007283.76	E511607.88	
15	6" TEE	A	32.2'	B	168.6'	3.98'	N1007286.28	E511607.83	
16	6" GATE VALVE	A	29.1'	B	169.0'	4.29'(NUT)	N1007286.36	E511604.13	
17	6" GATE VALVE	A	32.9'	B	132.2'	5.51'(NUT)	N1007322.76	E511608.10	
18	6" 90° BEND	A	34.2'	B	130.0'	4.17'	N1007324.87	E511608.14	
19	6" GATE VALVE	A	30.1'	B	132.4'	5.49'(NUT)	N1007321.99	E511612.17	
20	6" TEE	A	36.8'	B	129.5'	4.19'	N1007325.11	E511612.25	
21	6"x1" SADDLE	A	39.7'	B	129.7'	4.30'	N1007328.89	E511612.25	
22	6"x4" SADDLE	A	40.3'	B	123.8'	4.34'	N1007330.85	E511612.30	
23	6" P.V.C.	A	49.7'	B	111.1'	4.43'	N1007343.81	E511612.58	
24	6" 90° BEND	C	15.4'	D	56.7'	3.46'	N1007596.75	E511612.80	
25	6" 45° VERT BEND	C	14.7'	D	55.6'	3.17'	N1007592.26	E511613.01	
26	6" GATE VALVE	C	19.8'	D	57.9'	3.87'(NUT)	N1007595.24	E511620.09	
27	6" GATE VALVE	C	17.9'	D	53.8'	3.25'(NUT)	N1007599.87	E511618.01	
28	6" GATE VALVE	C	12.3'	D	50.5'	3.52'(NUT)	N1007598.88	E511613.31	
29	4" TIE P.V.C.	C	7.4'	D	44.6'	1.37'	N1007595.36	E511598.06	
30	4" 90° BEND	C	12.3'	D	46.2'	1.28'	N1007592.40	E511592.27	
31	6" P.V.C.	C	56.8'	D	36.8'	2.37'	N1007591.50	E511544.03	
32	4" P.V.C.	C	63.4'	E	46.1'	1.33'	N1007595.12	E511533.44	
33	6" TEE	E	49.4'	F	39.3'	1.58'	N1007592.22	E511496.11	
34	6" GATE VALVE	E	28.2'	F	28.2'	3.31'(NUT)	N1007614.06	E511497.00	
35	FIRE HYDRANT	E	29.8'	F	27.3'	8.07'(NUT)	N1007599.01	E511471.04	
36	4" TIE	F	24.6'	G	30.6'	1.41'	N1007597.38	E511471.04	
37	4" TIE	F	16.7'	G	26.7'	1.28'	N1007596.53	E511471.04	
38	6" 45° VERT BEND	F	29.0'	G	39.6'	0.73'	N1007594.83	E511462.36	
39	6" 45° VERT BEND	F	29.4'	G	31.4'	4.12'	N1007594.06	E511460.44	
40	4" 45° VERT BEND	F	25.7'	G	39.1'	1.23'	N1007598.95	E511460.91	
41	4" TEE	F	26.9'	G	41.8'	-0.46'	N1007599.01	E511457.98	
42	4" 45° VERT BEND	F	26.9'	G	40.8'	-0.47'	N1007599.01	E511458.14	
43	4" 45° VERT BEND	F	20.5'	G	39.9'	5.31'	N1007605.86	E511457.78	
44	6" 45° BEND	F	41.1'	G	81.1'	-1.21'	N1007597.38	E511436.21	
45	6" 22.5° BEND	F	43.1'	G	62.7'	-1.07'	N1007594.34	E511436.85	
46	4" 45° BEND	F	40.1'	G	60.7'	-0.78'	N1007600.05	E511437.83	
47	6" 22.5° BEND	F	43.1'	G	63.9'	-1.14'	N1007594.34	E511436.85	
48	4" 45° VERT BEND	F	59.4'	G	76.3'	-0.95'	N1007591.92	E511427.78	
49	4" 45° VERT BEND	F	59.7'	G	77.6'	-1.12'	N1007598.04	E511426.42	
50	4" 45° VERT BEND	F	63.2'	G	80.6'	1.47'	N1007597.38	E511426.42	
51	4" 45° VERT BEND	F	63.2'	G	79.6'	1.85'	N1007578.41	E511425.80	
52	6" P.V.C.	F	115.5'	H	53.5'	1.23'	N1007535.07	E511395.73	
53	6" P.V.C.	F	115.5'	H	70.9'	0.53'	N1007498.31	E511377.19	
54	6" 11.25° BEND	H	102.8'	I	64.8'	-1.33'	N1007493.53	E511377.43	
55	6" TEE	H	13.9'	I	66.5'	-0.45'	N1007493.53	E511375.02	
56	6" 45° VERT BEND	H	6.2'	I	60.8'	-1.71'	N1007493.53	E511375.02	
57	6" GATE VALVE	H	2.7'	I	58.0'	2.86'(NUT)	N1007493.53	E511364.50	
58	FIRE HYDRANT	I	55.9'	J	113.5'	7.71'(NUT)	N1007493.78	E511361.78	
59	6" 11.25° BEND	H	102.8'	I	64.8'	-1.33'	N1007493.53	E511377.43	
60	6" 11.25° BEND	H	102.8'	I	64.8'	-1.33'	N1007493.53	E511377.43	
61	6" 11.25° BEND	H	102.8'	I	64.8'	-1.33'	N1007493.53	E511377.43	
62	6" 11.25° BEND	H	102.8'	I	64.8'	-1.33'	N1007493.53	E511377.43	
63	6" 45° BEND	I	63.0'	J	49.7'	-1.43'	N1007493.53	E511374.25	
64	6" 45° BEND	I	63.0'	J	19.2'	1.72'	N1007384.84	E511378.18	
65	6" 45° BEND	I	101.9'	J	25.3'	1.71'	N1007387.73	E511391.45	
66	6" 45° BEND	I	104.9'	J	25.3'	1.78'	N1007384.52	E511392.49	
67	6" 45° BEND	J	29.6'	K	1.91'	1.91'	N1007359.22	E511387.54	
68	6" 11.25° BEND	J	43.4'	K	42.6'	3.09'	N1007347.15	E511395.19	
69	6" 45° BEND	J	112.8'	K	4.45'	1.11'	N1007303.35	E511446.28	
70	6" P.V.C.	A	90.1'	J	180.8'	3.71'	N1007293.35	E511526.37	

UTILITIES SWING TIE TABLE									
NO.	DESCRIPTION	REFERENCE FROM	DISTANCE	REFERENCE FROM	DISTANCE	ELEVATION (TOP)	NORTH	EAST	
71	6" R.F.P.	A	36.3'	B	184.3'	3.86'	N1007271.89	E511596.90	
72	6" WATER MAIN	A	37.1'	B	184.3'	3.92'	N1007271.89	E511597.32	
73	6" SUB OUT	A	33.0'	B	185.2'	7.12'	N1007272.32	E511589.75	
74	6" SUB OUT	A	24.2'	B	178.7'	6.55'	N1007269.36	E511577.59	
75	6" 90° BEND	A	19.4'	B	170.6'	3.80'	N1007274.24	E511589.86	
76	6" 90° BEND	A	19.4'	B	170.4'	2.03'	N1007266.63	E511587.86	
77	6" 90° BEND	A	19.4'	B	172.2'	1.96'	N1007269.19	E511587.86	
78	6" 90° BEND	A	22.7'	B	175.8'	2.86'	N1007289.19	E511585.06	
79	4"x1" SADDLE	A	21.3'	B	173.1'	2.87'	N1007292.34	E511584.20	
80	SEWER MANHOLE	L	135.4'	B	150.7'	6.47'(NUT)	N1007304.78	E511581.25	
81	SEWER CLEANOUT	A	49.1'	L	87.2'	NO ELEV.	N1007312.81	E511533.11	
82	4" TEE	A	61.1'	B	107.2'	2.48'	N1007368.28	E511587.70	
83	4" GATE VALVE	A	74.1'	B	124.8'	1.98'	N1007365.25	E511538.78	
84	6" TEE	A	64.8'	B	101.9'	2.46'	N1007368.53	E511570.85	
85	6" SUB OUT	A	77.0'	B	122.8'	1.67'	N1007368.49	E511538.38	
86	SEWER CLEANOUT	A	85.9'	B	118.7'	NO ELEV.	N1007377.51	E511535.78	
87	6" TEE	A	127.6'	B	61.7'	1.99'	N1007431.71	E511569.03	
88	4" GATE VALVE	A	134.3'	B	89.1'	3.07'(NUT)	N1007432.05	E511540.13	
89	6" TEE	A	129.8'	B	58.4'	1.84'	N1007434.25	E511571.68	
90	6" SUB OUT	A	136.9'	B	89.1'	1.78'	N1007434.48	E511571.19	
91	SEWER CLEANOUT	A	147.9'	B	90.4'	NO ELEV.	N1007445.74	E511538.67	
92	SEWER MANHOLE	A	150.0'	B	42.1'	5.18'(NUT)	N1007454.79	E511584.56	
93	4" TEE	B	106.7'	C	106.7'	2.02'	N1007468.28	E511568.58	
94	4" GATE VALVE	B	96.9'	C	117.9'	3.12'(NUT)	N1007489.41	E511541.17	
95	6" TEE	B	73.0'	C	102.6'	1.56'	N1007502.47	E511572.20	
96	6" SUB OUT	B	96.2'	C	115.8'	2.13'	N1007501.88	E511541.06	
97	SEWER CLEANOUT	B	104.6'	C	109.0'	NO ELEV.	N1007510.05	E511539.07	
98	SEWER MANHOLE	B	76.6'	C	63.6'	5.28'(NUT)	N1007516.70	E511585.91	
99	4" 90° BEND	C	50.1'	D	79.0'	1.52'	N1007568.21	E511574.82	
100	4" 90° BEND	C	50.5'	D	76.6'	2.41'	N1007561.04	E511570.04	
101	4" 90° BEND	C	56.2'	D	77.0'	1.95'	N1007560.70	E511568.78	
102	6" 45° BEND	C	59.5'	D	79.5'	2.16'	N1007560.83	E511557.12	
103	4" 45° BEND	C	57.5'	D	72.6'	2.82'	N1007569.80	E511552.88	
104	4" 45° BEND	C	59.8'	D	74.6'	2.68'	N1007568.27	E511550.82	
105	4" GATE VALVE	C	64.7'	D	75.0'	3.80'(NUT)	N1007571.47	E511543.50	
106	6" SUB OUT	J	73.6'	D	78.0'	2.32'	N1007569.23	E511541.49	
107	SEWER CLEANOUT	J	73.6'	K	81.9'	NO ELEV.	N1007566.82	E511439.03	
108	SEWER MANHOLE	J	62.1'	K	70.4'	5.62'(NUT)	N1007587.15	E511427.06	
109	SEWER CLEANOUT	J	63.7'	K	50.1'	NO ELEV.	N1007391.45	E511408.54	
110	SEWER CLEANOUT	J	56.3'	K	63.1'	NO ELEV.	N1007381.90	E511433.53	

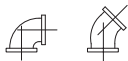
RECORD DRAWINGS



	CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34205 (941) 486-2626 FAX (941) 486-3031	UTILITIES - GENERAL	DATE JAN. 2019
		UTILITY PIPE TRENCH	SHEET NO. U-1



CITY OF VENICE ENGINEERING DEPARTMENT		UTILITIES - GENERAL	DATE JAN. 2019
401 WEST VENICE AVE. VENICE FL 34280 (941) 486-2026 FAX (941) 480-3031		UTILITY CONFLICTS & SEPARATIONS	SHEET NO. U-5



- 1.) ALL PIPE FITTINGS SHALL BE COMPACT, DUCTILE IRON.
- 2.) ALL APPLICATIONS (RAIN POTABLE REUSE SERVICE) SHALL BE FUSION BONDED EPOXY COATED INSIDE AND OUT.
- 3.) ALL FITTINGS SHALL MEET ANSI/AWWA C1100/11, 16 STANDARDS.

PIPE FITTINGS

N.T.S.

SERVICE	COLOR	MATERIAL/CLASS
POTABLE WATER MAIN	BLUE	
RAW WATER MAIN	WHITE	AWWA C900 PVC / DR 18
REUSE MAIN	PURPLE	FUSIBLE C900 PVC / DR 18
FORCE MAIN (MIN. 8" DIAMETER)	GREEN	HDPPE PPI PE 4710 / DR 11 (DUCTILE IRON PIPE SIZE)
WATER SERVICE	BLUE	PE (POLYTUBING) / DR 9
REUSE SERVICE	PURPLE	PE (POLYTUBING) / DR 9
GRAVITY SEWER MAIN (MIN. 8" DIAMETER)	GREEN	ASTM D3034 / SDR 26 FUSIBLE PVC / SDR 26
SEWER LATERAL (MIN. 6" DIAMETER)	GREEN	ASTM D3034 / SDR 26 SCH 40 PVC

PIPE MATERIAL SCHEDULE

N.T.S.

CITY OF VENICE	UTILITIES - GENERAL	DATE JAN, 2019
ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	PIPE FITTINGS & MATERIAL	SHEET NO. U-6

MINIMUM LENGTH (FT) OF FORCE MAIN TO BE RESTRAINED ON EACH SIDE OF FITTING		PIPE SIZE (INCHES)										
FITTING		4	6	8	10	12	16	18	20	24		
45 BEND:	H	6	9	12	14	16	21	23	25	29		
	VU	4	6	7	9	10	13	15	16	19		
	VD	12	20	26	32	37	48	53	28	68		
22.5 BEND:	H	3	4	6	7	8	10	11	12	14		
	VU	2	3	4	4	5	6	7	8	9		
	VD	7	10	13	15	18	23	26	28	33		
11.25 BEND:	H	2	3	3	3	4	5	5	6	7		

MINIMUM LENGTH (FT) OF WATER OR REUSE MAIN TO BE RESTRAINED ON EACH SIDE OF FITTING		PIPE SIZE (INCHES)										
FITTING		4	6	8	10	12	16	18	20	24		
90 BEND:	H	23	33	43	51	60	78	83	90	104		
45 BEND:	H	10	14	18	21	25	31	34	37	43		
	VU	6	8	11	13	16	20	22	24	28		
	VD	22	30	40	48	56	72	80	87	102		
22.5 BEND:	H	5	7	8	10	12	15	17	18	21		
	VU	3	4	5	6	7	10	11	12	14		
	VD	10	15	19	23	27	35	38	42	49		
11.25 BEND:	H	2	3	4	5	6	7	8	9	10		

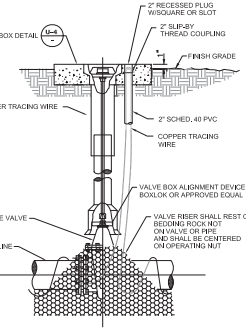
ABBREVIATIONS: H=HORIZONTAL, VU=VERTICAL UP, VD=VERTICAL DOWN.

- 1.) FOR TEE OR REDUCER FITTINGS SUBMIT RESTRAINED JOINT LENGTH CALCULATIONS TO CITY ENGINEER FOR REVIEW AND APPROVAL, USING THE ASSUMPTIONS LISTED ABOVE.
- 2.) RESTRAINED JOINT LENGTH FOR WATER AND REUSE MAINS BASED ON TEST PRESSURE OF 150 PSI. RESTRAINED JOINT LENGTH FOR FORCE (SEWER) MAINS BASED ON TEST PRESSURE OF 100 PSI. CALCULATIONS WERE MADE USING EDNA RION SOFTWARE (AVAILABLE AT WWW.EDNA.COM) AND THE FOLLOWING ASSUMPTIONS: GRANULAR MATERIAL, LOW SOIL TYPE, TRENCH TYPE 3, BURY DEPTH OF 3 TO 1, & FIELD CONDITIONS DIFFER FROM ABOVE ASSUMPTIONS FOR SHALL PROVIDE CALCULATIONS BASED ON ACTUAL CONDITIONS.
- 3.) RESTRAINED JOINT SHALL BE USED ON ALL JOINTS FROM ANY MAIN TO ANY FIRE HYDRANT ASSEMBLY.
- 4.) THRUST BLOCKS WILL NOT BE ACCEPTED, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
- 5.) ALL HARDWARE SHALL BE SS (304 WHEN AVAILABLE) OR EPOXY COATED.

PRESSURE MAIN RESTRAINED JOINT TABLE

N.T.S.

CITY OF VENICE	UTILITIES - GENERAL	DATE JAN, 2019
ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	RESTRAINED JOINT TABLE	SHEET NO. U-7

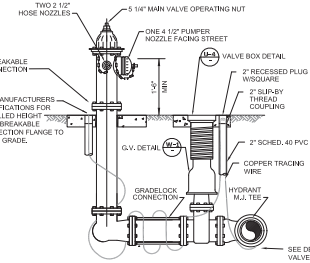


- 1.) GATE VALVES SHALL BE REINFORCED WEDGE-TYPE MANUFACTURED BY MULLEN, AMERICAN VALVE, OR EQUAL. ALL GATE VALVES SHALL BE FUSION BONDED EPOXY COATED (INTERIOR AND EXTERIOR) MEET ANSI/AWWA C500, AND BE INSTANTLY COATED.
- 2.) FOR VALVES LARGER THAN 12" IN USE BUTTERFLY STYLE VALVE.
- 3.) VALVE SHALL BE INSTALLED IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 4.) CORRUGATED TRACING WIRE PART #12 AWG OR EQUAL SHALL BE USED. IT SHALL BE COLOR CODED TO REFLECT WHAT THE PIPE CARRIES. (BLUE = WATER, PURPLE = REUSE)
- 5.) FOR CURBED ROADWAYS: CURB SHALL BE ETCHED WITH THE LETTER "V" DIRECTLY PERPENDICULAR TO THE VALVE BOX.
- 6.) ALL BOLTS AND HARDWARE SHALL BE SS (304 WHEN AVAILABLE).

GATE VALVE DETAIL (WATER AND REUSE ONLY)

N.T.S.

CITY OF VENICE	UTILITIES - WATER	DATE JAN, 2019
ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	GATE VALVE	SHEET NO. W-1

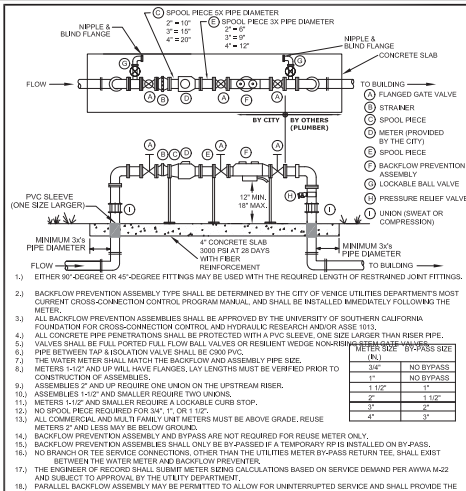


- NOTES:
- 1.) POTABLE WATER FIRE HYDRANTS SHALL BE PAINTED "SAFETY YELLOW".
 - 2.) REUSE FIRE HYDRANTS SHALL BE PAINTED PANTONE PURPLE 520C AND TAGGED WITH A PERMANENT LABEL "RECLAIMED WATER-DO NOT DRINK".
 - 3.) HYDRANT SHALL BE MULLER SUPER CENTURIM MODEL A22, AMERICAN BABBY WITH BREAK-AWAY FEATURE. ALL BOLTS SHALL BE SS (304 WHEN AVAILABLE, SAFETY FLANGE, SHOT).
 - 4.) RESTRAINED JOINTS SHALL BE USED BETWEEN TEE AND HYDRANT.
 - 5.) HYDRANTS SHALL HAVE "OUT OF SERVICE" TAGS AND BE BAGGED UNTIL MAINS ARE ACCEPTED BY CITY.
 - 6.) ALL WEIR HOLES SHALL BE PLUGGED.
 - 7.) HYDRANT LOCATED AT LEAST 7' OR MORE FROM ANY STORM WATER PIPE OR DITCH AND AT LEAST 6' OR MORE FROM ANY SANITARY REVERSE STRUCTURE.
 - 8.) FOR CLEARANCE REUSE, PLEASE REFER TO CURRENT FLORIDA FIRE PREVENTION CODE REQUIREMENTS.
 - 9.) CORRUGATED TRACING WIRE #12 AWG OR EQUAL SHALL BE USED. IT SHALL BE COLOR CODED TO REFLECT WHAT THE PIPE CARRIES. (BLUE = WATER, PURPLE = REUSE)
 - 10.) ASSEMBLY SHALL BE BEDDED IN 8" OF STONE OR CRUSHED SHELL AND INSTALLED AT PROPER BURIAL DEPTH.
 - 11.) FIRE HYDRANT ASSEMBLY INCLUDES GATE VALVE TO BE LOCATED AS CLOSE TO WATER MAIN AS POSSIBLE.
 - 12.) GRADELOCK CONNECTION TO BE USED BETWEEN VALVE AND HYDRANT. FUSION BONDED EPOXY. ROTATE TO FINAL GRADE.

FIRE HYDRANT ASSEMBLY DETAIL

N.T.S.

CITY OF VENICE	UTILITIES - WATER	DATE JAN, 2019
ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	FIRE HYDRANT ASSEMBLY	SHEET NO. W-2



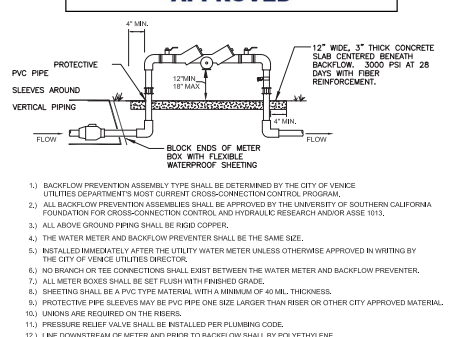
WATER & REUSE METER & BACKFLOW PREVENTION ASSEMBLY

CITY OF VENICE	UTILITIES - WATER	DATE JAN, 2019
ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	WATER & REUSE METER & BACKFLOW	SHEET NO. W-4

RECORD DRAWINGS

September 28, 2021

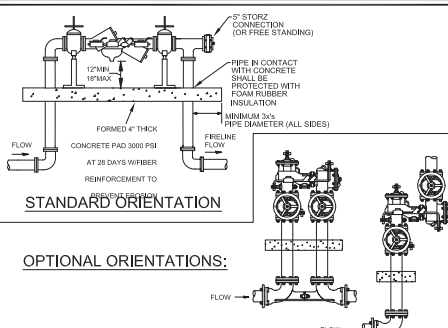
APPROVED



BACKFLOW PREVENTION ASSEMBLY (RESIDENTIAL, NOT MASTER METERED)

N.T.S.

CITY OF VENICE	UTILITIES - WATER	DATE JAN, 2019
ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	BACKFLOW ASSEMBLY (NO MASTER METER)	SHEET NO. W-5



FIRE SERVICE BACKFLOW ASSEMBLY

SIZE 2" - 10"

CITY OF VENICE	UTILITIES - WATER	DATE JAN, 2019
ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	FIRE SERVICE BACKFLOW ASSEMBLY	SHEET NO. W-9

FIRE SERVICE VALVE INDICATOR POST

CITY OF VENICE	UTILITIES - WATER	DATE JAN, 2019
ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	FIRE SERVICE VALVE INDICATOR POST	SHEET NO. W-10