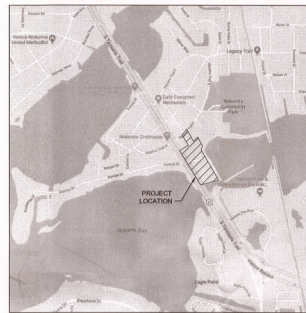
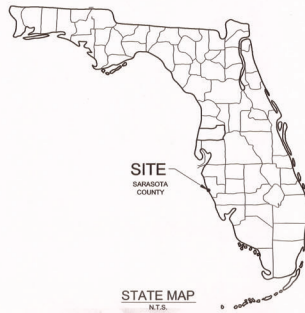


RECORD DRAWINGS - ONSITE WATER AND SEWER IMPROVEMENTS FOR HEARTIS VENICE LOCATED IN SECTION 06 TOWNSHIP 39S, RANGE 19E 1199 S. TAMiami TRAIL, CITY OF VENICE SARASOTA COUNTY, FLORIDA

APPROVED
NOV 9 3 2020
RECORD DRAWINGS

#2 11/2/20



SITE LOCATION MAP
N.T.S.

RECORD DRAWING NOTE
RECORD DRAWINGS PREPARED BY
KIMLEY-HORN AND ASSOCIATES,
INC. HAVE BEEN BASED ON
AS-BUILT SURVEY PROVIDED BY
JUSTIN D. GARNER FROM FLORIDA
ENGINEERING AND SURVEYING,
LLC, DELIVERED 10/06/2020.

RECORD DRAWING NOTE
AS-BUILT ELEVATIONS MEASURED
BY FLORIDA ENGINEERING AND
SURVEYING, LLC ON 10/06/2020.

RECORD DRAWINGS
ENGINEER OF RECORD: SCOTT W. OLIVER, P.E.
P.E. NUMBER: 63625
SIGNATURE: [Signature]
DATE: [Blank]

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COMCAST CABLEVISION OF WEST FLORIDA
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SHEET INDEX	
C000	COVER SHEET
C400	ONSITE UTILITY PLAN
C401	RECORD DRAWING DETAIL
C800	CITY OF VENICE STANDARD DETAILS
C801	CITY OF VENICE STANDARD DETAILS
C802	CITY OF VENICE STANDARD DETAILS
C803	CITY OF VENICE STANDARD DETAILS
C700	LIFT STATION DETAILS

RECORD DRAWINGS
COVER SHEET

HEARTIS VENICE
FLORIDA
VENICE

DATE
09/25/2020
PROJECT NO.
145560002
SHEET NUMBER

C000

Kimley-Horn
KIMLEY-HORN AND ASSOCIATES, INC.
655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
PHONE: (813) 620-1460
WWW.KIMLEY-HORN.COM

DESIGN ENGINEER
SCOTT W. OLIVER, P.E.
FLORIDA REGISTRATION NUMBER
63625
DATE: [Blank]

SCALE
NOTED
DESIGNED BY
DRAWN BY
CHECKED BY

RECORD DRAWINGS
COVER SHEET

DATE
09/25/2020
PROJECT NO.
145560002
SHEET NUMBER

C000

GREASE TRAP CALCULATION

Project: Venice Assisted Living Facility - Jean Kibben

Other Establishments with Commercial Kitchens

(M) x (GM) x (LF) = Effective Capacity of Grease Trap in Gallons

M = Number of Meals prepared per day

GM = Gallons of waste water per meal

LF = Loading Factor

1.0 = with dishwashing

0.75 = without dishwashing

M 700

GM 5

LF 1

Private Capacity 1500

Grease Traps Required: 750 gallon 4.67

1200 gallon 6.67

3000 gallon 16.67

Provide either 5 750 gal. or 3 1200 gal. or 1 3000 gallon grease interceptor.

Capacity based on average number of meals served per day during season.

RECORD DRAWING NOTE

RECORD DRAWINGS PREPARED BY KIMLEY-HORN AND ASSOCIATES, INC. HAVE BEEN BASED ON AS-BUILT SURVEY PROVIDED BY JUSTIN D. GARNER FROM FLORIDA ENGINEERING AND SURVEYING, LLC, DELIVERED 10/06/2020.

RECORD DRAWING NOTE

AS-BUILT ELEVATIONS MEASURED BY FLORIDA ENGINEERING AND SURVEYING, LLC (IN 10/06/2020).

RECORD DRAWING

ENGINEER OF RECORD: SCOTT W. GLIER, P.E.

P.E. NUMBER: 03045

SIGNATURE: [Signature]

DATE: 10/25/2020

GREASE TRAP CALCULATION

Project: Venice Assisted Living Facility - Warming Kitchen

Other Establishments with Commercial Kitchens

(M) x (GM) x (LF) = Effective Capacity of Grease Trap in Gallons

M = Number of Meals prepared per day

GM = Gallons of waste water per meal

LF = Loading Factor

1.0 = with dishwashing

0.75 = without dishwashing

M 150

GM 5

LF 1

Private Capacity 750

Grease Traps Required: 750 gallon 1.00

1200 gallon 1.67

3000 gallon 4.17

Provide 1 750 gal. interceptor

Capacity based on average number of meals served per day during season.

WATER FACILITY AS-BUILTS (ALL DISTANCES AND ELEVATIONS ARE IN FEET)

AS-BUILT #	REFERENCE FROM	DISTANCE	REFERENCE FROM	DISTANCE	ELEVATION	DESCRIPTION
4	A	34.53	B	36.13	1.39 T.O.P.	12" 8" REUSE
5	A	37.71	B	39.15	1.45 T.O.P.	8" 45° VERTICAL BEND
6	A	40.87	B	41.95	1.52 T.O.P.	8" 45° VERTICAL BEND
7	A	42.28	B	42.71	6.75 T.O.N.	8" GATE VALVE
8	A	42.65	D	79.59	6.33 T.O.P.	8" 90° TEE
9	C	28.53	D	49.84	6.30 T.O.P.	8" WATERLINE
10	D	51.66	C	49.84	6.30 T.O.P.	8" WATERLINE
11	E	7.50	F	46.76	6.28 T.O.P.	8" WATERLINE
12	F	71.15	L	46.76	6.28 T.O.P.	8" 45° HORIZONTAL BEND
13	G	12.89	H	50.90	7.54 T.O.P.	8" 45° HORIZONTAL BEND
14	H	11.15	I	49.16	7.50 T.O.P.	8" 45° HORIZONTAL BEND
15	G	15.35	H	48.77	8.00 T.O.N.	6" GATE VALVE
16	H	17.83	I	48.85	11.32 T.O.P.	8" FIRE HYDRANT
17	G	17.83	H	48.85	11.32 T.O.P.	8" 45° HORIZONTAL BEND
18	G	35.45	H	35.98	4.71 T.O.P.	8" 90° VERTICAL BEND
19	G	35.45	H	16.38	1.54 T.O.P.	8" 90° VERTICAL BEND
20	A	40.89	B	57.85	4.41 T.O.P.	8" 90° VERTICAL BEND
21	A	40.89	B	57.85	4.41 T.O.P.	8" 90° VERTICAL BEND
22	A	46.53	B	64.05	3.51 T.O.P.	8" 90° VERTICAL BEND
23	A	53.76	B	69.80	2.58 T.O.P.	8" 90° VERTICAL BEND
24	A	61.01	B	76.90	7.35 T.O.P.	8" GATE VALVE
25	A	58.89	B	75.31	8.14 T.O.P.	8" 45° VERTICAL BEND
26	A	57.98	B	71.34	1.85 T.O.P.	8" 45° VERTICAL BEND
27	A	57.98	B	64.37	1.85 T.O.P.	8" 45° VERTICAL BEND
28	A	57.98	B	63.06	5.85 T.O.P.	8" 45° VERTICAL BEND
29	A	54.16	B	62.37	7.03 T.O.P.	8" 45° VERTICAL BEND
30	A	55.22	B	61.85	5.13 T.O.P.	8" 45° VERTICAL BEND
31	A	55.22	B	57.66	5.07 T.O.P.	8" 45° VERTICAL BEND
32	A	21.73	B	24.33	5.21 T.O.P.	8" 90° HORIZONTAL BEND
33	A	27.66	B	33.77	1.74	8" 90° HORIZONTAL BEND
34	A	27.66	B	33.77	1.74	8" 90° HORIZONTAL BEND
35	A	27.66	B	33.77	1.74	8" 90° HORIZONTAL BEND
36	A	27.66	B	33.77	1.74	8" 90° HORIZONTAL BEND
37	A	27.66	B	33.77	1.74	8" 90° HORIZONTAL BEND
38	A	27.66	B	33.77	1.74	8" 90° HORIZONTAL BEND
39	A	27.66	B	33.77	1.74	8" 90° HORIZONTAL BEND
40	A	27.66	B	33.77	1.74	8" 90° HORIZONTAL BEND
41	A	27.66	B	33.77	1.74	8" 90° HORIZONTAL BEND
42	A	27.66	B	33.77	1.74	8" 90° HORIZONTAL BEND
43	A	27.66	B	33.77	1.74	8" 90° HORIZONTAL BEND
44	A	27.66	B	33.77	1.74	8" 90° HORIZONTAL BEND
45	A	27.66	B	33.77	1.74	8" 90° HORIZONTAL BEND
46	A	27.66	B	33.77	1.74	8" 90° HORIZONTAL BEND

REFERENCE POINTS

A = DRAINAGE INLET

B = DRAINAGE MANHOLE

C = DRAINAGE INLET

D = DRAINAGE INLET

E = DRAINAGE INLET

F = DRAINAGE INLET

G = DRAINAGE INLET

H = DRAINAGE INLET

I = BUILDING CORNER

J = BUILDING CORNER

K = BUILDING CORNER

L = BUILDING CORNER

M = DRAINAGE MANHOLE

N = DRAINAGE INLET

O = BUILDING CORNER

P = BUILDING CORNER

AS-BUILT LEGEND

T.O.P. = TOP OF PIPE

T.O.N. = TOP OF NUT

LF = LINEAR FEET

T.O.B.F. = TOP OF BOTTOM FLANGE

INV. = INVERT

FDC = FIRE DEPARTMENT CONNECTION

HZ = HORIZONTAL DEFLECTION

VT = VERTICAL DEFLECTION

(WM) = WATERMAIN

(FW) = FORCEMAIN

(FL) = FIRE LINE

T.O.L. = TOP OF LID

N/A = NOT APPLICABLE

PVC = POLYETHYLENE

PVC = POLYETHYLENE

N.A.V.D. 1985 = NORTH AMERICAN VERTICAL DATUM 1985

B.F.P. = BACK FLOW PREVENTER

D.C.V.A. = DOUBLE DETECTION CHECK VALVE ASSEMBLY

B.D.G. = BUILDING

WATER FACILITY AS-BUILTS (CONTINUED) (ALL DISTANCES AND ELEVATIONS ARE IN FEET)

AS-BUILT #	REFERENCE FROM	DISTANCE	REFERENCE FROM	DISTANCE	ELEVATION	DESCRIPTION
47	I	14.49	J	54.73	7.07 T.O.P.	8" 45° HORIZONTAL BEND
48	I	13.7	J	54.73	7.10 T.O.P.	8" 45° HORIZONTAL BEND
49	I	3.78	J	41.31	N/A	8" FIRE LINE CONNECTION
50	I	25.47	J	22.95	N/A	8" FIRE LINE CONNECTION
51	I	25.47	J	22.95	7.24 T.O.P.	8" 90° HORIZONTAL BEND
52	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
53	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
54	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
55	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
56	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
57	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
58	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
59	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
60	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
61	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
62	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
63	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
64	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
65	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
66	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
67	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
68	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
69	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
70	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
71	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
72	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
73	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
74	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
75	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
76	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
77	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
78	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
79	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
80	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
81	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
82	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND
83	A	63.31	D	60.84	6.25 T.O.P.	8" 90° HORIZONTAL BEND

SANITARY SEWER FACILITY AS-BUILTS (ALL DISTANCES AND ELEVATIONS ARE IN FEET)

AS-BUILT #	REFERENCE FROM	DISTANCE	REFERENCE FROM	DISTANCE	ELEVATION	DESCRIPTION
62	A	29.49	B	45.92	2.55 T.O.N.	8" GATE VALVE
63	A	31.76	B	48.85	2.41 T.O.P.	8" 90° VERTICAL BEND
64	A	31.76	B	50.94	2.48 T.O.P.	8" 90° VERTICAL BEND
65	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
66	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
67	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
68	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
69	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
70	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
71	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
72	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
73	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
74	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
75	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
76	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
77	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
78	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
79	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
80	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
81	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
82	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND
83	A	63.31	D	60.84	6.25 T.O.P.	8" 90° VERTICAL BEND

DURING THE REFERENCE POINTS
DRAINAGE INLETS A, B, C, D, E, F, G, H AND I ARE MEASURED FROM C/L OF GRATE
DRAINAGE INLETS (WITH MANHOLES) C, F AND H ARE MEASURED FROM C/L OF MANHOLE
DRAINAGE MANHOLE D IS MEASURED FROM C/L OF MANHOLE



GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

- PROPERTY LINE
- WETLAND LINE
- 15' WETLAND BUFFER
- WETLAND AREA
- EXISTING 12" WATER MAIN
- EXISTING 12" FORCE MAIN
- EXISTING GAS
- EXISTING FIBER OPTIC
- PROPOSED 4" FORCE MAIN (PVC C-90)
- PROPOSED 4" PRIVATE FIRE LINE (DR-10)
- PROPOSED 4" PRIVATE WATER MAIN (DR-10)
- PROPOSED 4" PRIVATE WATER MAIN (DR-10)
- PROPOSED 4" PUBLIC WATER MAIN (DR-10)
- PROPOSED EASEMENT AS NOTED
- FIRE TRUCK - AERIAL

Kimley-Horn
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655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
WWW.KIMLEY-HORN.COM CA 00000896

DESIGN ENGINEER: SCOTT W. GLIER, P.E.
FLORIDA REGISTRATION NUMBER: 03045
CHECKED BY: [Signature]
DATE: [Blank]

ONSITE
UTILITY PLAN

HEARTIS VENICE
VENICE, FLORIDA

DATE: 09/25/2020
PROJECT NO: 145560002
SHEET NUMBER: C400

APPROVED
NOV 9 2020
RECORD DRAWINGS