

Meter Sizing Worksheet (Page 1 of 2)

Project Name: THE SAGE WASA Project No.: _____

Designer's Name / Telephone: ENRIQUE ASTIZ / 301-762-7172 Designer's Signature / Date: [Signature] 6/20/05
Print

WASA Reviewer / Telephone: _____ WASA Signature / Date: _____
Print

Owner's Name: HOPE 7 INC. Owner's Telephone: 202-234-3414

Address: 1020 MONROE ST, NW
WASHINGTON DC 20010

Lot: 820 Square: 2840

Residual System Pressure: _____

Type of Occupancy:

☒ Apartment ☐ Motel ☐ Condominium ☐ Hotel ☐ Shopping Center ☒ Restaurant
☐ Hospital ☐ Public Building ☐ Public School ☐ Residential House

Meter Model and Size: _____ Meter Manufacturer / Serial #: _____

(FROM SHEET 2 OF 2)		Total Fixture Value	=	857
Water Flow Demand from Figure 4.1 (gpm)			=	180
Pressure Factor from Table 4.4		x		1
Product of Water Flow Demand multiplied by Pressure Factor			=	180
Add Irrigation No. of Squares (100 SF)		x 1.16 or 0.40 ¹	=	N/A
Hose Bibbs		x 6.5	=	N/A
Subtotal of Domestic and Irrigation Demands (gpm)			=	180
Pressure Factor from Table 4.4		x		1
Product of domestic and Irrigation Flow Demand multiplied by Pressure Factor			=	180
Total Fixed Demands, if any (gpm)			=	180
Total Domestic/Mechanical/Irrigation Demands (gpm)			=	N/A
*Fire Flow Demand as per NFPA Requirements			=	562
Total Domestic/Mechanical/Irrigation and Fire Flow Demands (gpm)			=	180

¹ Spray Systems use 1.16 and Rotary Systems use 0.40

Notes:

- 1) Above Table adapted from American Water Works Association M22.
- 2) Designer is responsible to determine required fire flows and pressures of the occupancy in addition to the proper sizing of meters.

Indoor meter installation:

☒ No
☐ Yes. Designer has confirmed that the sewer drainage system has the capacity to handle test flows.

[Signature] 6/20/05
 Designer Signature / Date

ZONING COMMISSION

CASE No. 05-18EXHIBIT No. 10

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*This Building will be provided with a 6-inch Fire and a 4-inch Domestic Water Services.

Meter Sizing Worksheet (Page 2 of 2)

Fixture Type	Fixture Value Based on 35 psi at Meter Outlet		Number of Fixtures		Total Fixture Value
Bathtub Faucet	4	x	29	=	116
Bedpan Washers	10	x		=	
Combination Sink and Tray	3	x		=	
Dental Unit	1	x		=	
Dental Lavatory	2	x		=	
Drinking Fountain (cooler)	1	x	2	=	2
Drinking Fountain (public)	2	x		=	
Kitchen Sink ½ - In. Connection	3	x	27	=	81
¾ - In. Connection	7	x		=	
Lavatory ¾ - In. Connection	2	x	80	=	160
½ - In. Connection	4	x		=	
Laundry Tray ½ - In. Connection	3	x		=	
¾ - In. Connection	7	x		=	
Shower Head (shower only)	4	x	4	=	16
Service Sink ½ - In. Connection	3	x	5	=	15
¾ - In. Connection	7	x	4	=	28
Urinal Pedestal Flush Valve	35	x		=	
Wall or Stall	12	x	5	=	60
Trough (2 - Ft Unit)	2	x		=	
Wash Sink (each set of faucets)	4	x		=	
Water Closet Flush Valve	35	x		=	
Tank Type	3	x	43	=	144
Dishwasher ½ - In. Connection	4	x		=	
¾ - In. Connection	10	x	4	=	40
Washing Machine ½ - In. Connection	5	x	27	=	135
¾ - In. Connection	12	x		=	
1 - In. Connection	25	x		=	
Hose Connections (wash down) ½ - In.	6	x		=	
¾ - In. Connection	10	x	6	=	60
Hose (50-Ft. length - wash down) ½ - In.	6	x		=	
¾ - In. Connection	9	x		=	
¾ - In. Connection	12	x		=	
(ADD TO SHEET 1 OF 2) Total Fixture Value				=	857

Notes:

- 1) Above Table adapted from American Water Works Association M22.
- 2) Designer is responsible to determine required fire flows and pressures of the occupancy in addition to the proper sizing of meters.

Designer's Name / Telephone: ENRIQUE ASTIZ/301-762-7174 Designer Signature / Date: _____

[Handwritten Signature]
Enrique Astiz