

Customer Name: GMC Projects
Address: 900 Carlton Terr.

PID Number:
Project Number: 5311-002
Building Permit Number:

Type of Occupancy: Multi-Family

Number of Unit: 272 Res. 6 Comm.

Phased Development? Yes

Calculations Presented below are for: Buildout

Phase Number: n/a

Step 1: Calculate Total Fixture Value

Fixture	Fixture Value	No. of Fixtures	Fixture Value
Bathroom Group Includes bathtub, shower, toilet, and lavatory sink.	12	x 345	= 4140.0
Bathtub	8	x 1	= 8.0
Bedpan Washer	10	x 0	=
Bidet	2	x 0	=
Dental Unit	2	x 0	=
Dishwasher	2	x 258	= 516.0
Drinking Fountain	2	x 0	=
Kitchen Sink	2.2	x 258	= 567.6
Lavatory	1.5	x 0	=
Showerhead (Shower Only)	2.5	x 45	= 112.5
Service Sink	4	x 3	= 12.0
Toilet:			
Flush Valve (non-residential only)	35	x 0	=
Tank Type	4	x 0	=
Urinal:			
Pedestal Flush Valve (non-residential only)	35	x 0	=
Wall Flush Valve	16	x 2	= 32.0
Wash Sink (Each Set of Faucets)	4	x 0	=
Washing Machine	6	x 258	= 1548.0
Hose bibs (c/w 50 ft Wash Down)			
- 1/2 inch	5	x 10	= 50.0
- 5/8 inch	9	x 0	=
- 3/4 inch	12	x 0	=
Other:		x	=
Total Fixture Value			= 6986.1

(A)

Refer to Figure 4-2 or 4-3

Probable Peak Demand = 105 GPM (B)

Water System Pressure (Hydraulic Grade Line - Elevation) - max. 80psi	=	80	psi
Pressure Factor from Table 4-3	=	1	(C)

Pressure Factor from Table 4-3 = 1 (C)

Adjusted Peak Demand (B x C) = 105 GPM (D)

I asked landscape arch on may 26th 2023

Total Irrigation Demand = 50 GPM (E)

Step 5: Confirm Design Demand

Design Demand (D + E) = 155 GPM (F)

Water Meter Make / Model: =

Water Meter Size = 75 mm

Water Meter Size = 75 mm

HEL PERMIT NO: 1000201



2023-06-23

Name: Tim Lutic, P. Eng.

Company: Herold Engineering Limited

Date: 23-Jun-23

Revision: Rev. 1.

Comments: