



- WATER, SEWER AND UTILITY NOTES:
- EXISTING UTILITY LOCATIONS WERE OBTAINED FROM FIELD LOCATES AND FIELD SURVEYING AND HAVE NOT BEEN VERIFIED WITH ANY ADDITIONAL UNDERGROUND POTHOLING. POTHOLING AND VERIFICATION OF LINE LOCATIONS SHALL BE REQUIRED AT ALL EXISTING UTILITY CROSSINGS.
  - MINIMUM SEPARATION BETWEEN PARALLEL WATER AND SEWER MAINS AND SERVICES IS TEN (10') FEET. MINIMUM SEPARATION BETWEEN PARALLEL WATER AND SEWER SERVICE LINES IS TEN (10') FEET.
  - ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF MOUNT WERNER WATER STANDARDS AND SPECIFICATIONS, LATEST EDITION.
  - MINIMUM COVER FROM FINISHED GRADE TO TOP OF WATER MAIN LINE IS SEVEN (7') FEET UNLESS OTHERWISE NOTED. ALL WATER SERVICE LINES SHALL BE TYPE "K" COPPER AND SEAMLESS BETWEEN FITTINGS.
  - MINIMUM SEPARATION BETWEEN UTILITY PEDESTALS AND FIRE HYDRANTS IS FIFTEEN (15') FEET. MINIMUM SEPARATION BETWEEN FIRE HYDRANTS, WATER OR SEWER MAINS, AND ENDS OF CULVERTS IS FIVE (5') FEET. MINIMUM SEPARATION BETWEEN WATER AND SEWER SERVICE LINES IS TEN (10') FEET. NO RIP-RAP IS PERMITTED WITHIN TEN (10') FEET OF A SEWER MAIN.
  - VALVES SHALL BE OPERATED BY UTILITY PERSONNEL ONLY.
  - SEWER SERVICES ARE ANTICIPATED TO BE FOUR (4") INCH DIAMETER, SDR 35 PVC, MINIMUM SLOPE OF 2%, UNLESS NOTED OTHERWISE.
  - WATER SERVICES ARE ANTICIPATED TO BE ONE (1") INCH DIAMETER, COPPER TYPE K, UNLESS NOTED OTHERWISE.
  - DISINFECTION, BACTERIOLOGICAL, AND HYDROSTATIC TESTING IS REQUIRED FOR THE 8" DIP WATER/FIRE SERVICE PIPE.
  - ALL MECHANICAL JOINTS, RESTRAINT, THRUST BLOCKS AND CROSSING MUST BE OBSERVED BY THE ENGINEER PRIOR TO THE PLACEMENT OF BACKFILL.
  - MECHANICAL RESTRAINTS AND THRUST BLOCKS ARE REQUIRED AT ALL BENDS, TEES, REDUCERS AND DEAD ENDS.
  - ALL FITTINGS ASSOCIATED WITH UTILITY INSTALLATION WILL BE ON-SITE PRIOR TO WATER LINE SHUT DOWN.

- ABBREVIATIONS:
- |      |                          |
|------|--------------------------|
| BOW  | BOTTOM OF WALL           |
| BLDG | BUILDING                 |
| CL   | CENTERLINE               |
| CMU  | CONCRETE MASONRY UNITS   |
| CO   | CLEAN OUT                |
| CONC | CONCRETE                 |
| ELEV | ELEVATION                |
| EOC  | EDGE OF CONCRETE         |
| EOG  | EDGE OF GRAVEL           |
| EX   | EXISTING                 |
| FFE  | FINISHED FLOOR ELEVATION |
| FND  | FOUNDATION               |
| HP   | HIGH POINT               |
| INV  | INVERT                   |
| LF   | LINEAR FEET              |
| PR   | PROPOSED                 |
| SCH  | SCHEDULE                 |
| SF   | SQUARE FEET              |
| SS   | SNOW STORAGE             |
| TOW  | TOP OF WALL              |

LEGEND	
	PROPERTY BOUNDARY
	ADJACENT PROPERTY BOUNDARY
	EXISTING EASEMENT
	EXISTING EDGE OF ASPHALT
	EXISTING 2' CONTOUR
	EXISTING 10' CONTOUR
	EXISTING DRAINAGE DITCH
	EXISTING STORM SEWER
	EXISTING SEWER MAIN
	PROPOSED SEWER SERVICE
	EXISTING WATER MAIN
	EXISTING FIRE HYDRANT
	EXISTING BUILDING FOOTPRINT



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No.	DATE	REVISIONS		INT
		MANHOLE UPDATES	INV REVIEW AND UPDATE PER MWM/ AP	
1	8/27/24			
2	8/28/25			

**VILLAGE DRIVE**  
**APARTMENTS SEWER**  
**LOT A AND LOT B**  
**MT. OFFICE PARK**  
**SUBDIVISION**

**Horizontal Scale**  
0 20' 40'  
SCALE: 1" = 20'

**Vertical Scale**  
0 20' 40'  
SCALE: 1" = 20'

Contour Interval = 2 ft

DATE: 1-16-2025  
JOB #: 2033-004  
DRAWN BY: MDM  
DESIGN BY: WNM/MDM  
REVIEW BY: FPSE

IF THIS DRAWING IS PRESENTED IN A FORMAT OTHER THAN 24" X 36", THE GRAPHIC SCALE SHOULD BE UTILIZED.

DRAWING:

**SANITARY SEWER**  
**PLAN AND PROFILE**

SHEET #

**C5A**