Loading the firmware for the Watering System Controller using individual files.

With a factory fresh Raspberry Pi Pico W:

- Hold down the white button on the top of the Pico W while plugging it into your computer's USB port.
- The Pico W should appear as a pseudo USB drive on your computer.
- Drag and drop the file *WebMiteRP2040V6.00.01RC5.uf2* into this USB drive.
- When the copy has finished the Pico W will reboot and reconnect as a serial port over USB.
- Determine the name of the serial port and connect to this port using a terminal emulator such as Tera Term (http://tera-term.en.lo4d.com).
- Hit return for the MMBasic command prompt (the > character).

At the command prompt enter these commands (these cause the Pico W to reboot so you will need to reconnect the terminal emulator following each):

- OPTION WIFI "SSID", "password"
  (these are your WiFi details and note that the double quotes are required)
- OPTION TCP SERVER PORT 80
- OPTION TELNET CONSOLE ON

At the command prompt determine the IP address of the WebMite:

PRINT MM.INFO(IP ADDRESS)

Setup TFTP on your computer (for Windows see https://success.tanaza.com/s/article/How-to-enable-TFTP-in-Windows).  Copy the program files to the Pico W using the following commands inside a command window on your PC (ipaddr is the IP address of the Pico W):

- TFTP -i ipaddr PUT retic.bas
- TFTP -i ipaddr PUT config.html
- TFTP -i ipaddr PUT index.html
- TFTP -i ipaddr PUT setup.html

Return to the MMBasic command prompt (in the terminal emulator) and start the program by entering:

RUN "retic.bas"

As the program starts up it will print a series of status messages on the console.  Using the IP address of the Pico W use a web browser to display the Watering System Controller's main web page.