

FAP NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(113 & 114) R-5	WILL	525	246
STA.		TO STA.		
FED. ROAD DIST. NO.		ALLOTTED	FAP 338 (IL RTE. 59)	

**WATER MAIN VALVES**

- WM-V1  
12" x 12" TAPPING SLEEVE & 12" TAPPING VALVE WITH CONCRETE THRUST BLOCK IN 6 FOOT DIAMETER VALVE VAULT.
- WM-V2  
12" x 12" TAPPING SLEEVE & 12" TAPPING VALVE WITH CONCRETE THRUST BLOCK IN 6 FOOT DIAMETER VALVE VAULT.
- WM-V3  
8" GATE VALVE IN 4 FOOT DIAMETER VALVE VAULT
- WM-V4  
8" GATE VALVE IN 4 FOOT DIAMETER VALVE VAULT
- WM-V5  
8" GATE VALVE IN 4 FOOT DIAMETER VALVE VAULT

**FIRE HYDRANTS**

- WM-FH1  
FIRE HYDRANT  
W/ 3 L.F. OF 6" D.I. LEADER PIPE
  - WM-FH2  
FIRE HYDRANT  
W/ 3 L.F. OF 6" D.I. LEADER PIPE
- NOTE:  
INSTALL FIRE HYDRANTS 2 FEET EAST OF EAST RIGHT-OF-WAY LINE

**WATER MAIN FITTINGS (RJT)**

- WM-F1  
12" - 90° BEND
- WM-F2  
12" x 6" TEE
- WM-F3  
12" x 8" TEE
- WM-F4  
12" x 6" TEE
- WM-F5  
12" x 8" TEE
- WM-F6A  
12" - 90° BEND
- WM-F6B  
12" - 90° BEND ROLLED UP
- WM-F6C  
12" - 90° BEND ROLLED DOWN
- WM-F7  
8" - 90° BEND
- WM-F8A  
8" - 90° BEND ROLLED UP
- WM-F8B  
8" - 90° BEND ROLLED DOWN
- WM-F9  
8" CUTTING-IN SLEEVE
- WM-F10  
8" - 90° BEND ROLLED UP
- WM-F11  
8" - 90° BEND ROLLED DOWN
- WM-F12  
8" CUTTING-IN SLEEVE
- WM-F13  
NOT USED

INSTALL THIS LINE STOP & MAKE THIS CONNECTION AFTER THE NEW 12" WATER MAIN & 8" MAIN SOUTH OF WM-V4 HAS BEEN TESTED & ACCEPTED FOR USE

AS PART OF WATER MAIN ABANDONMENT: CLOSE VALVES, REMOVE TOP SECTIONS OF VAULTS & FILL VAULTS & EXCAVATIONS WITH COMPACTED GRANULAR BACKFILL MATERIAL.

12" LINE STOP. REMOVE A PORTION OF EXISTING 12" WATER MAIN NORTH OF LINE STOP & INSTALL AN M.J. PLUG IN BELL END OF PIPE OR AN M.J. CAP ON CUT END OF PIPE. PROVIDE A MINIMUM OF 2 - 3/4" STAINLESS STEEL RODS CONNECTED TO PLUG/CAP & THROUGH WALL OF NEW VALVE VAULT

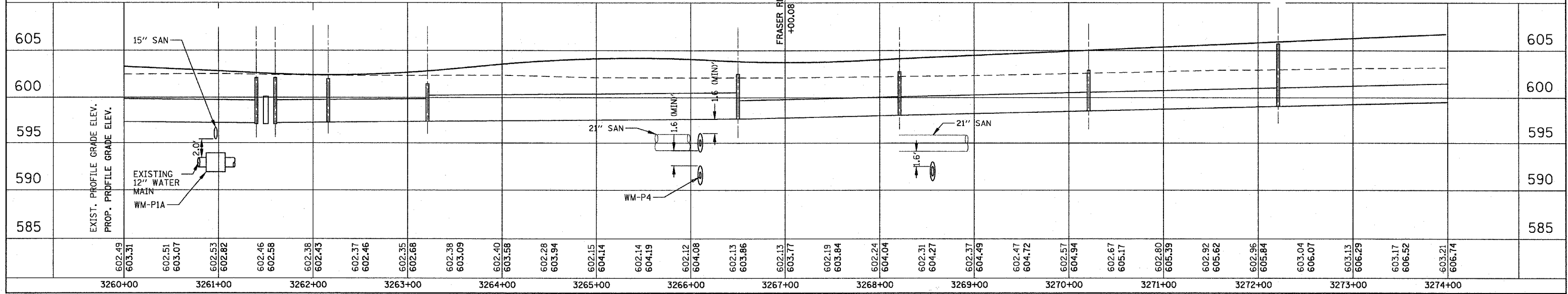
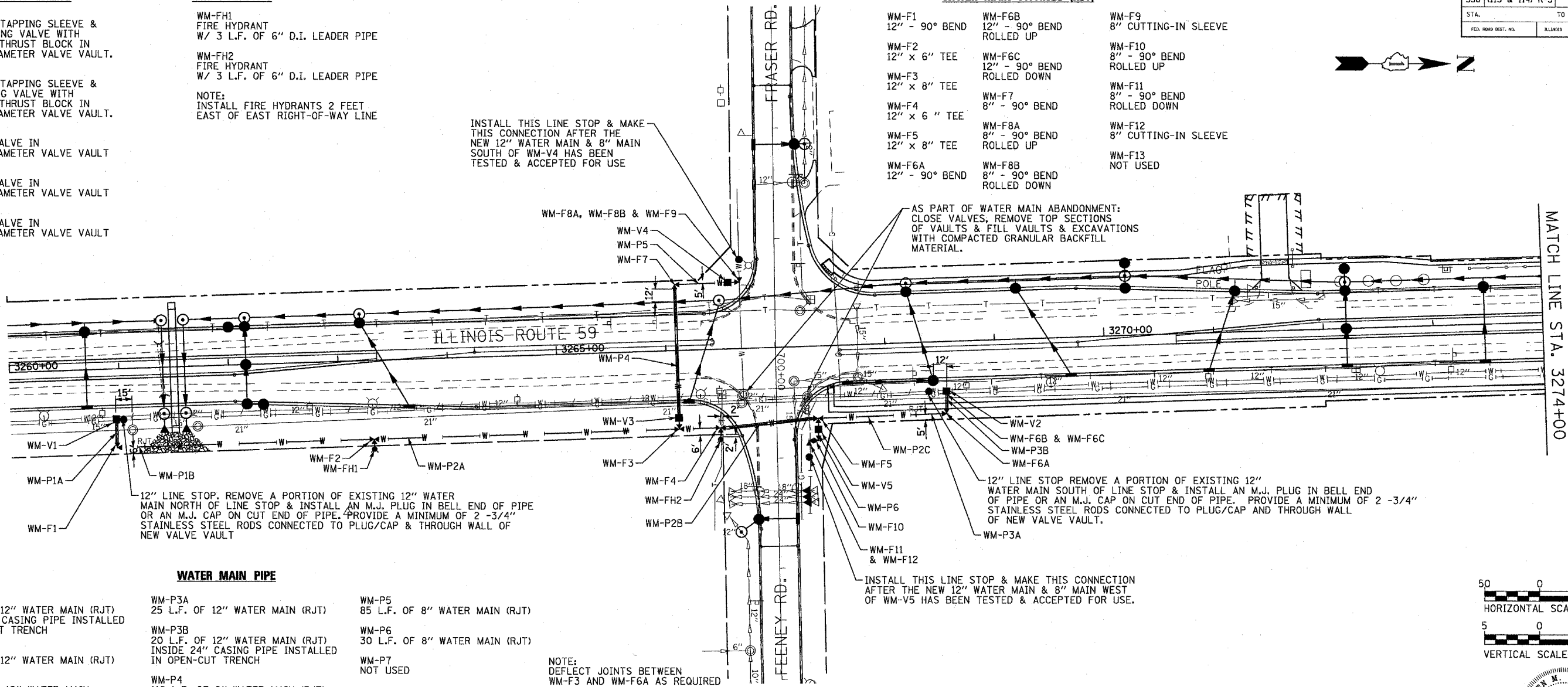
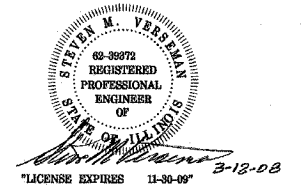
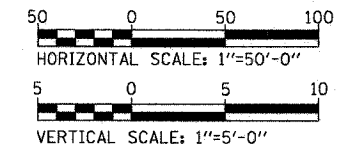
12" LINE STOP REMOVE A PORTION OF EXISTING 12" WATER MAIN SOUTH OF LINE STOP & INSTALL AN M.J. PLUG IN BELL END OF PIPE OR AN M.J. CAP ON CUT END OF PIPE. PROVIDE A MINIMUM OF 2 - 3/4" STAINLESS STEEL RODS CONNECTED TO PLUG/CAP AND THROUGH WALL OF NEW VALVE VAULT.

INSTALL THIS LINE STOP & MAKE THIS CONNECTION AFTER THE NEW 12" WATER MAIN & 8" MAIN WEST OF WM-V5 HAS BEEN TESTED & ACCEPTED FOR USE.

NOTE:  
DEFLECT JOINTS BETWEEN WM-F3 AND WM-F6A AS REQUIRED TO OBTAIN ALIGNMENT

**WATER MAIN PIPE**

- WM-P1A  
20 L.F. OF 12" WATER MAIN (RJT) INSIDE 24" CASING PIPE INSTALLED IN OPEN-CUT TRENCH
- WM-P1B  
30 L.F. OF 12" WATER MAIN (RJT)
- WM-P2A  
535 L.F. OF 12" WATER MAIN
- WM-P2B  
75 L.F. OF 12" WATER MAIN (RJT) INSIDE 24" CASING PIPE TO BE INSTALLED BY BORING OR RAMMING.
- WM-P2C  
95 L.F. OF 12" WATER MAIN
- WM-P3A  
25 L.F. OF 12" WATER MAIN (RJT)
- WM-P3B  
20 L.F. OF 12" WATER MAIN (RJT) INSIDE 24" CASING PIPE INSTALLED IN OPEN-CUT TRENCH
- WM-P4  
110 L.F. OF 8" WATER MAIN (RJT) INSIDE 24" CASING PIPE A MINIMUM OF 60 L.F. OF CASING TO BE INSTALLED BY BORING OR RAMMING, REMAINDER OF CASING CAN BE INSTALLED IN OPEN-CUT TRENCH.
- WM-P5  
85 L.F. OF 8" WATER MAIN (RJT)
- WM-P6  
30 L.F. OF 8" WATER MAIN (RJT)
- WM-P7  
NOT USED



**WATER MAIN AND SANITARY SEWER REPLACEMENT PLAN /PROFILE - ILLINOIS ROUTE 59**