

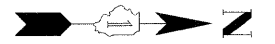
WATER MAIN PIPE

- WM-P9
655 L.F. OF 20" WATER MAIN
- WM-P10
NOT USED
- WM-P11
70 L.F. OF 20" WATER MAIN (RJT)
- WM-P12
135 L.F. OF 20" WATER MAIN
- WM-P13
365 L.F. OF 20" WATER MAIN (RJT)
- WM-PJ1
85 L.F. OF 8" WATER MAIN (RJT)
- WM-PK1
10 L.F. OF 12" WATER MAIN (RJT)
- WM-PS1
100 L.F. OF 8" WATER MAIN (RJT)
THIS WATER MAIN IS AN 8" SERVICE PIPE

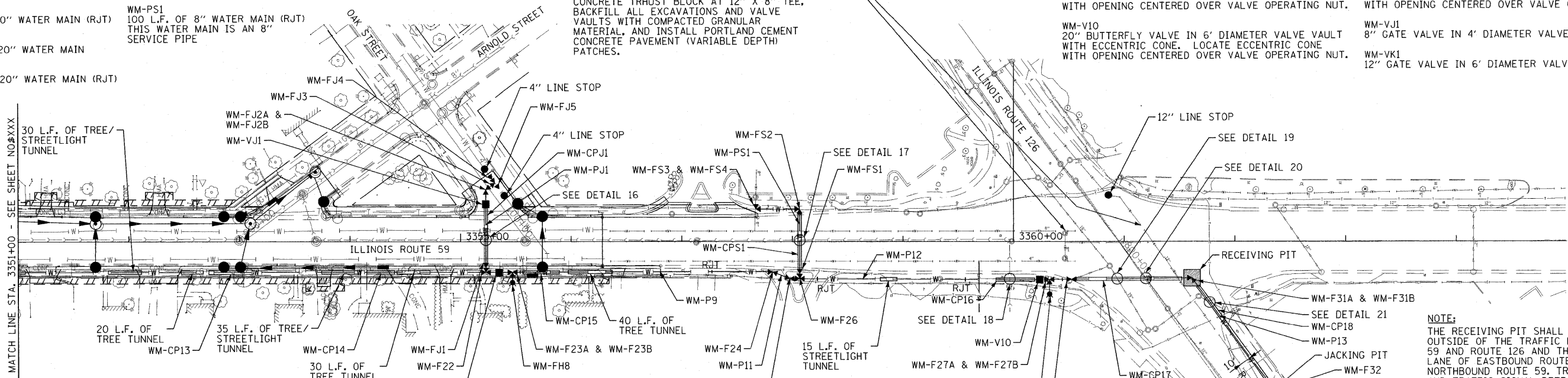
AS PART OF WATER MAIN ABANDONMENT: CLOSE EXISTING 8" AND 4" VALVES, REMOVE VALVE VAULT FRAMES, COVERS AND CONE SECTIONS, LOCATE AND EXPOSE EXISTING 12" X 8" TEE, REMOVE 8" WATER MAIN AS REQUIRED AND INSTALL 8" PLUG AND CONCRETE THRUST BLOCK AT 12" X 8" TEE, BACKFILL ALL EXCAVATIONS AND VALVE VAULTS WITH COMPACTED GRANULAR MATERIAL, AND INSTALL PORTLAND CEMENT CONCRETE PAVEMENT (VARIABLE DEPTH) PATCHES.

WATER MAIN VALVES

- WM-V8
NOT USED
- WM-V9
20" BUTTERFLY VALVE IN 6' DIAMETER VALVE VAULT WITH ECCENTRIC CONE. LOCATE ECCENTRIC CONE WITH OPENING CENTERED OVER VALVE OPERATING NUT.
- WM-V10
20" BUTTERFLY VALVE IN 6' DIAMETER VALVE VAULT WITH ECCENTRIC CONE. LOCATE ECCENTRIC CONE WITH OPENING CENTERED OVER VALVE OPERATING NUT.
- WM-V11
NOT USED
- WM-V12
20" BUTTERFLY VALVE IN 6' DIAMETER VALVE VAULT WITH ECCENTRIC CONE. LOCATE ECCENTRIC CONE WITH OPENING CENTERED OVER VALVE OPERATING NUT.
- WM-VJ1
8" GATE VALVE IN 4' DIAMETER VALVE VAULT
- WM-VK1
12" GATE VALVE IN 6' DIAMETER VALVE VAULT



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WATER MAIN FITTINGS (RJT)

- WM-F22
20" x 8" TEE
ROLLED DOWN
- WM-F23A & WM-F23B
20" x 6" TEE ROLLED UP AND 6" - 45° BEND ROLLED DOWN
- WM-F24
20" - 22 1/2° BEND
- WM-F25
20" - 22 1/2° BEND
- WM-F26
20" x 8" TEE
ROLLED DOWN
- WM-F27A & WM-F27B
20" x 6" TEE ROLLED UP AND 6" - 45° BEND ROLLED DOWN
- WM-F28A
20" - 45° BEND
ROLLED DOWN
- WM-F28B
20" - 45° BEND
ROLLED UP
- WM-F29
NOT USED
- WM-F30
NOT USED
- WM-F31A
20" - 45° BEND
ROLLED UP
- WM-F31B
20" - 11 1/4° BEND
ROLLED UP
- WM-F32
20" x 12" TEE
- WM-F33A
12" x 12" TEE
- WM-F33B
12" CUTTING-IN SLEEVE
- WM-F34A & WM-F34B
20" x 6" TEE ROLLED UP AND 6" - 45° BEND ROLLED DOWN
- WM-F35
20" PLUG

WATER MAIN FITTINGS (RJT) (CONTD)

- WM-FJ1
8" - 45° BEND
ROLLED UP
- WM-FJ2A
8" - 45° BEND
- WM-FJ2B
8" - 11 1/4° BEND
- WM-FJ3
8" - 90° BEND WITH CONCRETE THRUST BLOCK
- WM-FJ4
8" x 4" REDUCER
- WM-FJ5
4" PLUG/CAP WITH CONCRETE THRUST BLOCK BETWEEN WM-FJ3 AND WM-FJ5
- WM-FS1
8" - 45° BEND
ROLLED UP TO INSTALL 8" WATER SERVICE LINE BELOW EXISTING SANITARY SEWER AND WATER MAINS
- WM-FS2
8" - 90° BEND
- WM-FS3
8" - 90° BEND
- WM-FS4
8" CUTTING-IN SLEEVE

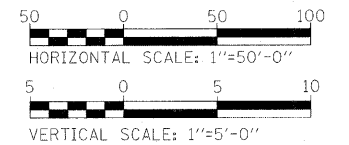
WATER MAIN CASING PIPE

- WM-CP13
40 L.F. OF 36" STEEL CASING PIPE
INSTALLED IN OPEN-CUT TRENCH
- WM-CP14
25 L.F. OF 36" STEEL CASING PIPE
INSTALLED IN OPEN-CUT TRENCH
- WM-CP15
35 L.F. OF 36" STEEL CASING PIPE
AUGERED AND JACKED OR RAMMED INTO PLACE
- WM-CP16
35 L.F. OF 36" STEEL CASING PIPE
AUGERED AND JACKED OR RAMMED INTO PLACE
- WM-CP17
110 L.F. OF 36" STEEL CASING PIPE
AUGERED AND JACKED OR RAMMED INTO PLACE
- WM-CP18
125 L.F. OF 36" STEEL CASING PIPE
AUGERED AND JACKED OR RAMMED INTO PLACE. INSTALL AT SLOPE REQUIRED TO CONNECT WM-F31A AND WM-F31B AND EXISTING 12" WATER MAIN
- WM-CPJ1
50 L.F. OF 24" STEEL CASING PIPE
AUGERED AND JACKED OR RAMMED INTO PLACE.
- WM-CPS1
50 L.F. OF 24" STEEL CASING PIPE
AUGERED AND JACKED OR RAMMED INTO PLACE. IT IS ANTICIPATED THE JACKING PIT WILL BE ON THE WEST SIDE, AND IN THE RIGHT-OF-WAY, OF ROUTE 59. USE SHORT SECTIONS OF CASING PIPE AND AUGER/RAMMER AS REQUIRED.

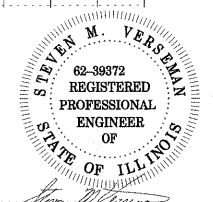
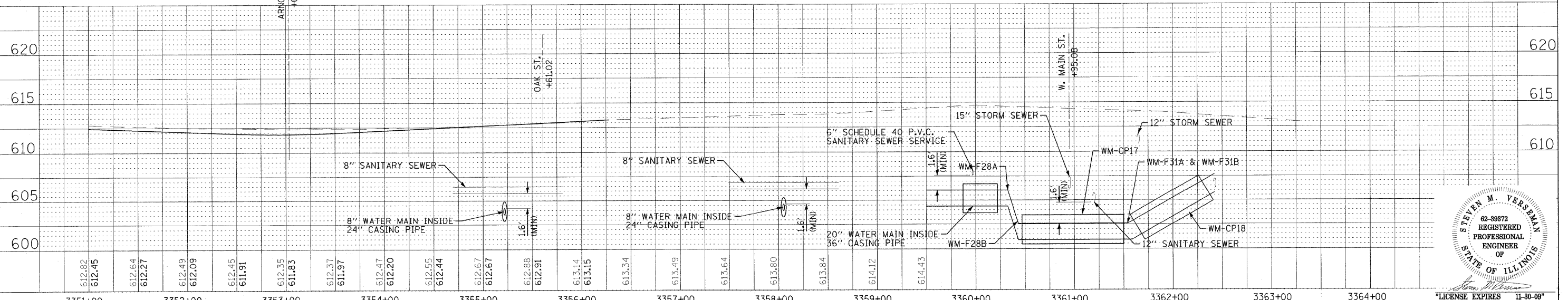
FIRE HYDRANTS

- WM-FH8
12" LINE STOP
FIRE HYDRANT
- WM-FH9
FIRE HYDRANT WITH 7 L.F. OF 6" D.I. LEADER PIPE
- WM-FH10
FIRE HYDRANT

NOTE:
THE RECEIVING PIT SHALL BE LOCATED OUTSIDE OF THE TRAFFIC LANES OF ROUTE 59 AND ROUTE 126 AND THE RIGHT TURN LANE OF EASTBOUND ROUTE 126 ONTO NORTHBOUND ROUTE 59. TRAFFIC LANES AND TRAFFIC SIGNAL DETECTOR LOOPS SHALL BE PROTECTED. PAVEMENT RESTORATION AT RECEIVING PIT SHALL CONSIST OF REMOVAL AND REPLACEMENT OF CONCRETE PAVEMENT, INCLUDING SAWCUTTING, DOWELS, REINFORCING STEEL AND CONSTRUCTION JOINTS. SUPPORT UTILITY POLES, VAULTS, DUCTS AND CABLES AS REQUIRED TO INSTALL JACKING/RAMMING PITS, CASING PIPES AND PROPOSED WATER MAIN.



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FILE NAME =	USER NAME = 568kar	DESIGNED - SMV	REVISED - 10-01-08	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">ILLINOIS ROUTE 59 WATER MAIN PLAN AND PROFILE</p>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
u:\p1\01\061256-r159-water\41-design north	station\dgn\plain\field.il rt 59.b&w watermain	CHECKED - SMV	REVISED -		338	113 N-2	WILL	260	120
PLOT SCALE = 49.9999' / IN.	PLOT DATE = 1/5/2009	DATE - 06-13-08	REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FAP 338 GL RTE. 591	CONTRACT NO.	60E73
					SCALE:	SHEET NO. 5 OF 8 SHEETS	STA. 3351+00 TO STA. 3365+00		