WATER MAIN CASING PIPE

WM-CP8
40 L.F. OF 36" STEEL CASING PIPE INSTALLED IN OPEN-CUT TRENCH.

WM-CP9
25 L.F. OF 36" STEEL CASING PIPE INSTALLED IN OPEN-CUT TRENCH.

WM-CP10
NOT USED

WM-CP11
25 L.F. OF 36" STEEL CASING PIPE INSTALLED IN OPEN-CUT TRENCH.

FIRE HYDRANTS

WM-FH4
FIRE HYDRANT WITH 11 L.F. OF 6" D.I. LEADER PIPE

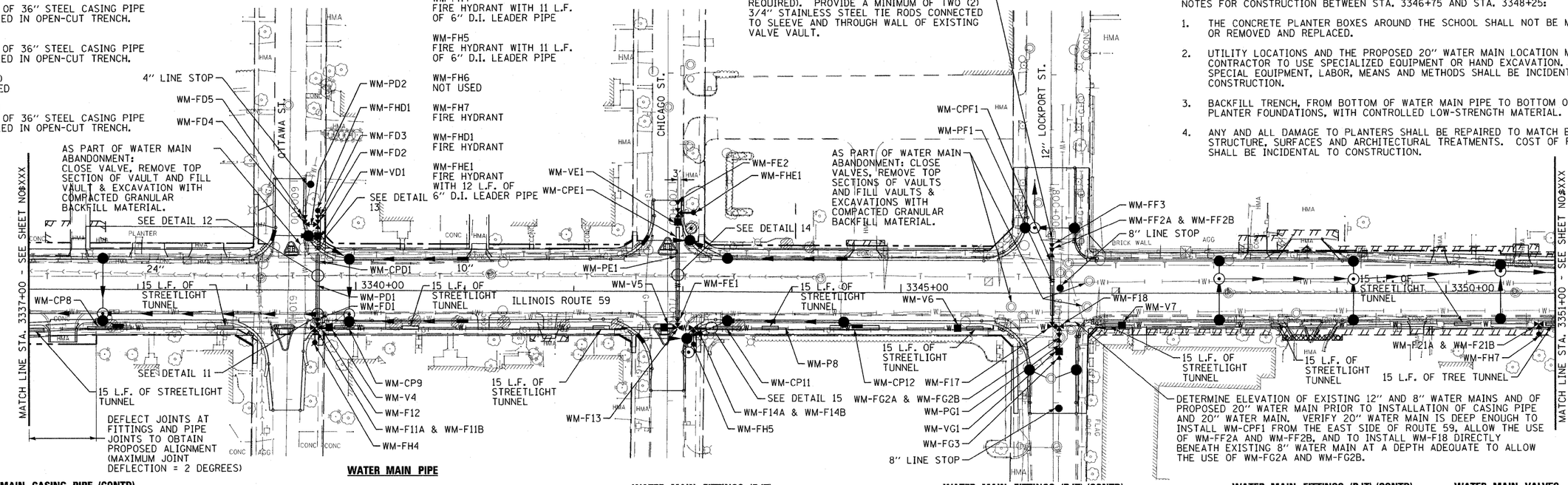
WM-FH5
FIRE HYDRANT WITH 11 L.F. OF 6" D.I. LEADER PIPE

WM-FH6
NOT USED

WM-FH7
FIRE HYDRANT

WM-FHD1
FIRE HYDRANT

WM-FHE1
FIRE HYDRANT WITH 12 L.F. OF 6" D.I. LEADER PIPE



NOTES FOR CONSTRUCTION BETWEEN STA. 3346+75 AND STA. 3348+25:

1. THE CONCRETE PLANTER BOXES AROUND THE SCHOOL SHALL NOT BE MOVED OR REMOVED AND REPLACED.
2. UTILITY LOCATIONS AND THE PROPOSED 20" WATER MAIN LOCATION MAY REQUIRE CONTRACTOR TO USE SPECIALIZED EQUIPMENT OR HAND EXCAVATION. COST OF SPECIAL EQUIPMENT, LABOR, MEANS AND METHODS SHALL BE INCIDENTAL TO CONSTRUCTION.
3. BACKFILL TRENCH, FROM BOTTOM OF WATER MAIN PIPE TO BOTTOM OF EXISTING PLANTER FOUNDATIONS, WITH CONTROLLED LOW-STRENGTH MATERIAL.
4. ANY AND ALL DAMAGE TO PLANTERS SHALL BE REPAIRED TO MATCH EXISTING STRUCTURE, SURFACES AND ARCHITECTURAL TREATMENTS. COST OF REPAIRS SHALL BE INCIDENTAL TO CONSTRUCTION.

WATER MAIN CASING PIPE (CONTD)

WM-CP12
45 L.F. OF 36" STEEL CASING PIPE INSTALLED IN OPEN-CUT TRENCH.

WM-CPD1
60 L.F. OF 24" 2 STEEL CASING PIPE AUGERED AND JACKED OR RAMMED INTO PLACE.

WM-CPE1
90 L.F. OF 24" STEEL CASING PIPE. A MINIMUM OF 70 L.F. TO BE INSTALLED BY AUGERING AND JACKING OR RAMMING. REMAINDER OF CASING PIPE CAN BE INSTALLED IN OPEN CUT TRENCH.

WM-CPF1
50 L.F. OF 24" STEEL CASING PIPE AUGERED AND JACKED OR RAMMED INTO PLACE.

WATER MAIN PIPE

WM-P8
1,400 L.F. OF 20" WATER MAIN

WM-PD1
95 L.F. OF 8" WATER MAIN (RJT)

WM-PD2
12 L.F. OF 4" WATER MAIN (RJT)

WM-PE1
110 L.F. OF 8" WATER MAIN (RJT)

WM-PF1
70 L.F. OF 12" WATER MAIN (RJT)

WM-PG1
30 L.F. OF 8" WATER MAIN (RJT)

DETAILS 11 &12

DETAIL 13

WATER MAIN FITTINGS (RJT)

WM-F10
NOT USED

WM-F11A & WM-F11B
20" x 6" TEE ROLLED UP AND 6" - 45° BEND ROLLED DOWN

WM-F12
20" x 8" TEE ROLLED DOWN AS REQUIRED TO CROSS BELOW EXISTING 10" SANITARY SEWER

WM-F13
20" x 8" TEE ROLLED UP AS REQUIRED TO CROSS OVER EXISTING 10" SANITARY SEWER

WM-F14A & WM-F14B
20" x 6" TEE ROLLED UP AND 6" - 45° BEND ROLLED DOWN

WM-F15
NOT USED

WM-F16
NOT USED

WM-F17
20" x 12" TEE

DETAIL 14

DETAIL 15

WATER MAIN FITTINGS (RJT) (CONTD)

WM-F18
20" x 8" TEE

WM-F19
NOT USED

WM-F20
NOT USED

WM-F21A & WM-F21B
20" x 6" TEE ROLLED UP AND 6" - 45° BEND ROLLED DOWN

WM-FD1
8" - 45° BEND ROLLED UP AS REQUIRED TO CROSS BELOW EXISTING 10" SANITARY SEWER

WM-FD2
8" x 4" TEE ROLLED UP

WM-FD3
8" x 6" REDUCER

WM-FD4
4" - 90° BEND WITH CONCRETE THRUST BLOCK ROLLED DOWN

WM-FD5
4" CUTTING-IN SLEEVE

WM-FE1
8" - 45° BEND ROLLED DOWN AS REQUIRED TO CROSS OVER EXISTING 10" SANITARY SEWER

WATER MAIN FITTINGS (RJT) (CONTD)

WM-FE2
8" PLUG

WM-FF2A
12" - 45° BEND TURNED UP

WM-FF2B
12" - 45° BEND TURNED DOWN

WM-FF3
12" CUTTING-IN SLEEVE

WM-FG2A
8" - 45° BEND TURNED UP

WM-FG2B
8" - 45° BEND TURNED DOWN

WM-FG3
8" CUTTING-IN SLEEVE

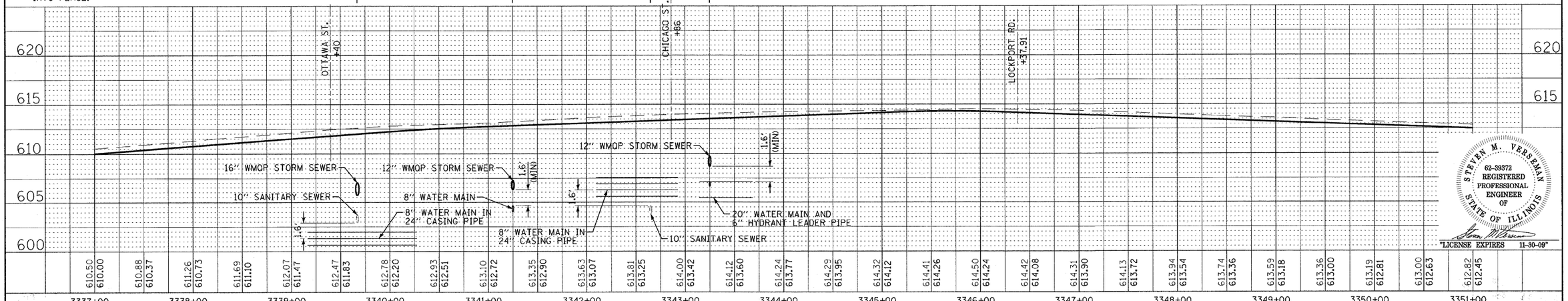
WATER MAIN VALVES

WM-V4, WM-V5, WM-V6 & WM-V7
20" BUTTERFLY VALVE IN 6' DIAMETER VALVE VAULT WITH ECCENTRIC CONE. LOCATE ECCENTRIC CONE WITH OPENING CENTERED OVER VALVE OPERATING NUT.

WM-VD1, WM-VE1 & WM-VG1
8" GATE VALVE IN 4' DIAMETER VALVE VAULT

50 0 50 100
HORIZONTAL SCALE: 1"=50'-0"

5 0 5 10
VERTICAL SCALE: 1"=5'-0"



STEVEN M. VERSEMAN
62-39372
REGISTERED PROFESSIONAL ENGINEER OF
STATE OF ILLINOIS

"LICENSE EXPIRES 11-30-09"

FILE NAME =	USER NAME = 560kar	DESIGNED - SMV	REVISED - 10-01-08
u:\Pfldv\061256-RT59-Water\4-Design NORTH	Section\dgn\Plainfield_Il Rt 59_8&W WaterMain.dgn	DRAWN - KAR	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - SMV	REVISED -
	PLOT DATE = 1/21/2009	DATE - 06-13-08	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 59
WATER MAIN PLAN AND PROFILE

SCALE: | SHEET NO. 4 OF 8 SHEETS | STA. 3337+00 TO STA. 3351+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	113 N-2	WILL	260	119

CONTRACT NO. 60E73

FED. ROAD DIST. NO. | ILLINOIS | FAP 338 (IL RTE. 59)

PLAN: SURVEYED / PLOTTED / RT. OF WAY CHECKED / CADD FILE NAME — NOTE BOOK NO. — BY — DATE

PROFILE: SURVEYED / PLOTTED / STRUCTURE NOTATIONS CHKD — NOTE BOOK NO. — BY — DATE