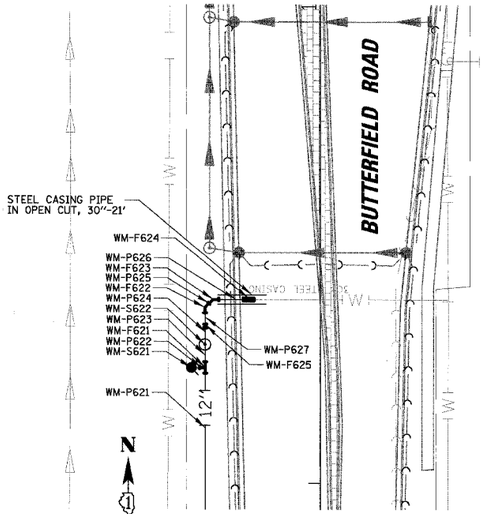
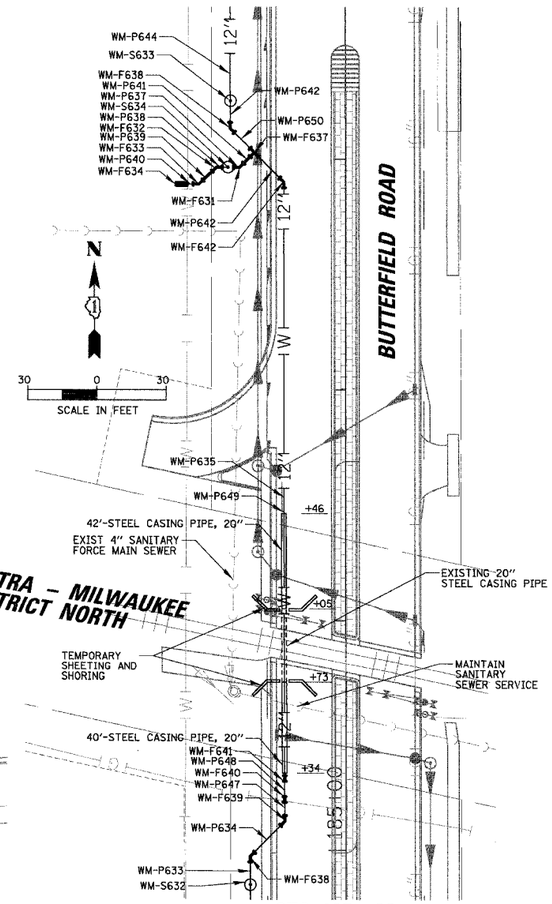
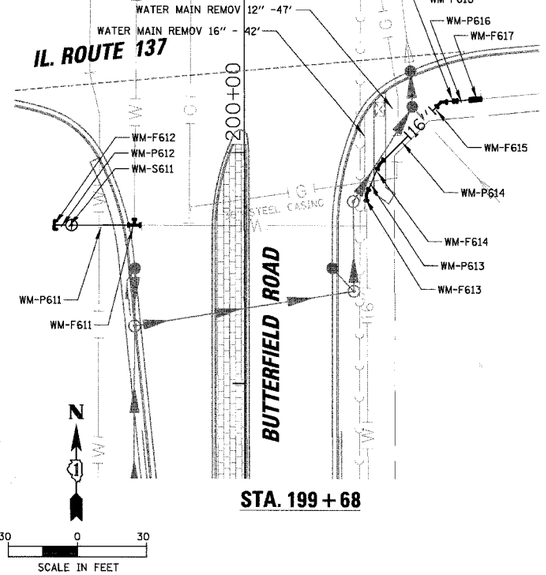
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2647	99-00142-07-WR	LAKE	256	76
CONTRACT NO: 83815				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



STA. 193 + 80



STA. 185 + 00



STA. 199 + 68

NOTES:
STEEL CASING SHALL BE ONE CONTINUOUS SECTION.
MINIMUM CASING PIPE WALL THICKNESS SHALL BE 3/8".

RETAINER GLANDS WILL BE PROVIDED AT ALL CONNECTIONS; INCLUDED IN UNIT COST OF FITTINGS OF WEIGHT SHOWN.

SCHEDULE OF WATERMAIN ITEMS

WATER MAIN ITEM	STATION	OFFSET	DESCRIPTION	WEIGHT	EACH	LENGTH (FT)
WM-P612			DUCTILE IRON WATER MAIN 16"			5
WM-P615			DUCTILE IRON WATER MAIN 16"			6
WM-P613			DUCTILE IRON WATER MAIN 16"			14
WM-P611			DUCTILE IRON WATER MAIN 16"			27
WM-P614			DUCTILE IRON WATER MAIN 16"			37

WM-P301			WATER SERVICE LINE 1 1/2"			204

WM-S301	148+95.0	55.9' LT	DOMESTIC WATER SERVICE BOX		1	

WM-F306			8" SLEEVE	67		
WM-P308			DUCTILE IRON WATER MAIN 8"			4
WM-F307			8 X 8 X 6 TEE	81		
WM-P309			DUCTILE IRON WATER MAIN 6"			4
WM-F308			8" SLEEVE	67		
WM-P310			DUCTILE IRON WATER MAIN 6"			4
WM-S304	124+53.5	36.5' LT	VALVE BOXES 6"		1	
WM-P311			DUCTILE IRON WATER MAIN 6"			4
WM-F309			6" ELBOW - 45 DEG	39		
WM-P312			DUCTILE IRON WATER MAIN 6"			6
WM-F310			6" ELBOW - 45 DEG	39		
WM-P313			DUCTILE IRON WATER MAIN 6"			6
WM-F311			6" SLEEVE	50		

	124+89.0	36.5' LT	ADJUSTING WATER MAIN 8"			16
	162+33.0	35.0' LT	ADJUSTING WATER MAIN 10"			16
	162+54.0	35.0' LT	ADJUSTING WATER MAIN 8"			16

WM-F401			8" SLEEVE	67		
WM-P402			DUCTILE IRON WATER MAIN 8"			8
WM-F402			10" TO 8" REDUCER	54		
WM-P403			DUCTILE IRON WATER MAIN 10"			10
WM-F403			10 X 10 X 6 TEE	116		
WM-P401			DUCTILE IRON WATER MAIN 6"			19
WM-S401	162+93.3	41.9' LT	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX		1	
WM-P404			DUCTILE IRON WATER MAIN 10"			12
WM-F404			10" SLEEVE	122		

WM-F501			10 X 10 X 4 TEE	92		
WM-P501			DUCTILE IRON WATER MAIN 4"			4
WM-P502			WATER SERVICE LINE 2"			63

WM-F511			10" ELBOW - 22 DEG	66		
WM-P511			DUCTILE IRON WATER MAIN 10"			6
WM-F520			12" TO 10" REDUCER	63		
WM-P520			DUCTILE IRON WATER MAIN 12"			6
WM-S511	175+07.0	41.4' LT	VV TA 4, T1FCL WATER VALVES 10"		1	
WM-P512			DUCTILE IRON WATER MAIN 12"			12
WM-F512			12 X 12 X 12 X 12 CROSS	202		
WM-P514			DUCTILE IRON WATER MAIN 12"			5
WM-S512	176+19.2	46.4' LT	VV TA 4, T1FCL WATER VALVES 12"		1	
WM-P515			DUCTILE IRON WATER MAIN 12"			5
WM-F513			12" ELBOW - 45 DEG.	102		
WM-P516			DUCTILE IRON WATER MAIN 12"			5
WM-F514			12" ELBOW - 45 DEG.	102		
WM-P517			DUCTILE IRON WATER MAIN 12"			5
WM-F515			12" SLEEVE	157		
WM-F516			12" CAP	46		
WM-P518			DUCTILE IRON WATER MAIN 12"			12

WM-F518			12" ELBOW - 45 DEG. (VERTICAL)	102		
WM-P519			DUCTILE IRON WATER MAIN 12"			24
WM-F519			12" ELBOW - 45 DEG. (VERTICAL)	102		
WM-P513			DUCTILE IRON WATER MAIN 12"			230

WM-F521			12 X 12 X 8 TEE	146		
WM-P522			DUCTILE IRON WATER MAIN 8"			5
WM-S521	178+86.0	36.5' LT	VV TA 4, T1FCL WATER VALVES 8"		1	
WM-P523			DUCTILE IRON WATER MAIN 8"			72
WM-F522			8" ELBOW - 45 DEG.	56		
WM-P524			DUCTILE IRON WATER MAIN 8"			5
WM-F523			8" ELBOW - 11 DEG.	45		
WM-P525			DUCTILE IRON WATER MAIN 8"			17
WM-F524			8 X 8 X 6 TEE	81		
WM-P526			DUCTILE IRON WATER MAIN 6"			5
WM-S522	179+08.8	43.7' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX		1	
WM-P527			DUCTILE IRON WATER MAIN 8"			29
WM-F525			8" ELBOW - 45 DEG.	56		
WM-P528			DUCTILE IRON WATER MAIN 8"			6
WM-S523	179+30.4	73.1' RT	VV TA 4, T1FCL WATER VALVES 8"		1	
WM-P529			DUCTILE IRON WATER MAIN 8"			4
WM-F526			8" SLEEVE	67		
WM-F527			8" CAP	26		
WM-P521			DUCTILE IRON WATER MAIN 12"			389

SCHEDULE OF WATERMAIN ITEMS

WATER MAIN ITEM	STATION	OFFSET	DESCRIPTION	WEIGHT	EACH	LENGTH (FT)
WM-F531			12 X 12 X 6 TEE	133		
WM-S531	182+75.0	46.5' LT	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX		1	
WM-P531			DUCTILE IRON WATER MAIN 6"			5
WM-P631			DUCTILE IRON WATER MAIN 12"			200

WM-F541			12 X 12 X 6 TEE	133		
WM-S541	184+75.0	46.6' LT	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX		1	
WM-P541			DUCTILE IRON WATER MAIN 6"			5
WM-P542			DUCTILE IRON WATER MAIN 12"			10

WM-S632	184+85.0	41.5' LT	VV TA 4, T1FCL WATER VALVES 12"		1	
WM-P633			DUCTILE IRON WATER MAIN 12"			12
WM-F638			12" ELBOW - 45 DEG.	102		
WM-P634			DUCTILE IRON WATER MAIN 12"			23
WM-F639			12" ELBOW - 45 DEG.	102		
WM-P647			DUCTILE IRON WATER MAIN 12"			10
WM-F640			12" ELBOW - 45 DEG. (VERTICAL)	102		
WM-P648			DUCTILE IRON WATER MAIN 12"			10
WM-F641			12" ELBOW - 45 DEG. (VERTICAL)	102		
WM-P649			DUCTILE IRON PIPE INSTALLED IN STEEL CASING, 12"			116
WM-P635			DUCTILE IRON WATER MAIN 12"			144
WM-F642			12" ELBOW - 45 DEG.	102		
WM-P642			DUCTILE IRON WATER MAIN 12"			18
WM-F637			12 X 12 X 12 TEE	198		
WM-P641			DUCTILE IRON WATER MAIN 12"			9
WM-F631			12" ELBOW - 45 DEG.	102		
WM-P637			DUCTILE IRON WATER MAIN 12"			5
WM-S634	187+96.6	50.9' LT	VV TA 4, T1FCL WATER VALVES 12"		1	
WM-P638			DUCTILE IRON WATER MAIN 12"			5
WM-F632			12" ELBOW - 45 DEG.	102		
WM-P639			DUCTILE IRON WATER MAIN 12"			11
WM-F633			12" ELBOW - 45 DEG.	102		
WM-P640			DUCTILE IRON WATER MAIN 12"			5
WM-F634			12" SLEEVE	157		

WM-P650			DUCTILE IRON WATER MAIN 12"			15
WM-F636			12" ELBOW - 45 DEG.	102		
WM-P642			DUCTILE IRON WATER MAIN 12"			12
WM-S633	188+25.5	50.0' LT	VV TA 4, T1FCL WATER VALVES 12"		1	
WM-P644			DUCTILE IRON WATER MAIN 12"			75

WM-F551			12 X 12 X 6 TEE	133		
WM-P551			DUCTILE IRON WATER MAIN 6"			5
WM-S551	189+00.0	54.9' LT	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX		1	
WM-P621			DUCTILE IRON WATER MAIN 12"			450

WM-F552			8" CAP	26		

WM-S621	193+40.0	56.0' LT	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX		1	
WM-P622			DUCTILE IRON WATER MAIN 6"			8
WM-F621			12 X 12 X 6 TEE	133		
WM-P623			DUCTILE IRON WATER MAIN 12"			10
WM-S622	193+60.0	50.0 LT	VV TA 4, T1FCL WATER VALVES 12"		1	
WM-P624			DUCTILE IRON WATER MAIN 12"			8
WM-F625			16" TO 12" REDUCER	120		
WM-P627			DUCTILE IRON WATER MAIN 16"			8
WM-F622			16" ELBOW - 45 DEG	204		
WM-P625			DUCTILE IRON WATER MAIN 16"			4
WM-F623			16" ELBOW - 45 DEG	204		
WM-P626			DUCTILE IRON PIPE INSTALLED IN STEEL CASING, 16"			13
WM-F624			16" SLEEVE	172		

WM-F611			16 X 16 X 16 TEE	324		
WM-S611	199+68.5	75.0' LT	VV TA 4, T1FCL WATER VALVES 16"		1	
WM-F612			16" CAP	94		
WM-F613			16" ELBOW - 22 DEG	178		
WM-F614			16" ELBOW - 22 DEG	178		
WM-F615			16" ELBOW - 45 DEG.	204		
WM-F616			16" TO 12" REDUCER	120		
WM-P616			DUCTILE IRON WATER MAIN 12"			6
WM-F617			12" SLEEVE	157		

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FAU 2647 – BUTTERFIELD ROAD WATERMAIN DETAILS AT INTERSECTIONS AND WATERMAIN SCHEDULES

SCALE: 1:30.0001 DRAWN BY: PMM

DATE: 7/19/2006 CHECKED BY: BLL

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1:30.0001
7/19/2006