

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN - FAYETTE COUNTY				
				FEDERAL 80% CITY 20% TEA-21 J000-2A	FEDERAL 80% CITY 20% STU Y007	FEDERAL 80% CITY 100% I000-2A	07AU) STATE 50% CITY 50% I000-2A	07A(2) STATE 100% I000-2A
Z0012450	CONCRETE STEPS	CU. YD.	5	5				
Z0050900	REMOVE CONCRETE FOUNDATION	EACH	2			2		
Z0067500	STEEL CASINGS 16"	FOOT	84			84		
XX000739	CURB STOP & BOX 1 INCH	EACH	83			83		
XX000868	SELECT GRANULAR BACKFILL	CU. YD.	5487			5487		
XX000959	TRASH RECEPTACLES	EACH	36			36		
+ XX001051	WATER SERVICE LINE RECONNECTION	EACH	83			83		
XX001386	SANITARY SEWERS, PVC, 8"	FOOT	419			419		
X0322024	TRENCH DRAIN	EACH	1			1		
XX004101	ORNAMENTAL METAL FENCE	FOOT	78	78				
XX004242	ORNAMENTAL HANDRAIL	FOOT	52	52				
XX004602	BENCH WITH BACK	EACH	36			36		
XX004735	RESTRICTED DEPTH INLET TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	1			1		
+ XX004887	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	40	40				
XX004998	PVC WATER MAIN 6"	FOOT	671			671		
+ XX004999	PVC WATER MAIN 8"	FOOT	3249			3249		
XX005884	GROUT ABANDONED SEWERS	FOOT	1749			1749		
XX005790	RECONNECT SANITARY SERVICE LATERAL 6"	EACH	50			50		
XX006179	SANITARY MANHOLE REMOVAL AND REPLACEMENT	EACH	4			4		
X0300558	SANITARY SEWER REMOVAL AND REPLACEMENT 8"	FOOT	1599			1599		
Y0000140	SANITARY SEWER REMOVAL AND REPLACEMENT 10"	FOOT	28			28		
XX006887	CAP AND BLOCK 1"	EACH	1			1		
XX006888	CAP AND BLOCK 2"	EACH	1			1		
XX006889	CAP AND BLOCK 3"	EACH	3			3		
X0301708	CAP AND BLOCK 6"	EACH	4			4		
X0301709	CAP AND BLOCK 8"	EACH	1			1		
X0321556	SANITARY MANHOLES TO BE ADJUSTED	EACH	3			3		
X0322719	TEMPORARY DRAINAGE CONNECTION	EACH	20			20		
X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	29	20		9		
X6020075	INLETS, TYPE B, TYPE 3V FRAME AND GRATE	EACH	10	5		5		
X6020125	RESTRICTED DEPTH INLET TYPE B, TYPE 3 FRAME AND GRATE	EACH	7	1		6		
X6020127	RESTRICTED DEPTH INLET TYPE B, TYPE 3V FRAME AND GRATE	EACH	12	8		4		
XX006890	CIPP LINER FOR SANITARY SEWER MAIN 6"	FOOT	187			187		
XX006891	CIPP LINER FOR SANITARY SEWER MAIN 8"	FOOT	1162			1162		
XX006892	CIPP LINER FOR SANITARY SEWER MAIN 10"	FOOT	280			280		
XX006893	CIPP LINER FOR SANITARY SEWER MAIN 12"	FOOT	391			391		
XX006894	CIPP LINER FOR SANITARY SEWER MAIN 15"	FOOT	265			265		
XX006895	RESTRICTED DEPTH MANHOLE, 4'-DIAMETER, WITH SALVAGE FRAME AND GRATE	EACH	1			1		
+ XX006896	STEEL CASING BORED AND JACKED 42"	FOOT	110			110		
+ XX005488B	STEEL CASING BORED AND JACKED 48"	FOOT	119			119		
XX006897	5' BRICK CIRCULAR PATTERN	EACH	36	36				
XX006898	STAMPED COLORED PORTLAND CEMENT CONCRETE	SQ. FT.	856	712		144		
XX006899	SERIES A OUTDOOR INTERPRETIVES SIGN TYPE A3	EACH	7	5		2		
XX006900	SERIES A OUTDOOR INTERPRETIVES SIGN TYPE A4	EACH	3	3				
+ XX006901	TREE GRATE ASSEMBLY, COMPLETE	EACH	36	36				
XX006902	HANDICAP RAMP AND HANDRAIL, COMPLETE	EACH	1	1				
XX006903	ORNAMENTAL STREET SIGN POST, COMPLETE	EACH	49	49				
Z0048665	Railroad Protective Liability Insurance	LSUM	1	1				

* SPECIAL PROVISIONS

+ SPECIALTY ITEMS

1 REVISED (4-13-07)

REVISIONS	
NAME	DATE
LWJ	4-13-07

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY KOJ
 CHECKED BY BWC

CADD FILE: /4812/4812-4812.dgn
 PLOTTED: 4/16/2007

H.M. & G. NO. 4812

WATER AND SANITARY SEWER MAIN

LOCATION	SELECT GRANULAR BACKFILL	CLASS C PATCHES, TYPE II, 8 INCH	CLASS C PATCHES, TYPE IV, 8 INCH	CLASS C PATCHES, TYPE II, 15 INCH	CLASS C PATCHES, TYPE III, 15 INCH	CLASS C PATCHES, TYPE IV, 15 INCH	POTABLE WATER														SANITARY SEWER															
							PVC WATER MAIN & FITTINGS		CAP & BLOCK						Water Valve		Water Service Line Recon.		Tapping Sleeves and Valves		CURB STOP AND BOX	FIRE HYDRANT W/AUXILIARY VALVE & VALVE BOX	FIRE HYDRANT TO BE REMOVED	PVC SANITARY SEWER MAIN	SANITARY SEWER REMOVAL REPLACEMENT	SANITARY SEWER REMOVAL REPLACEMENT	CIPP LINER FOR SANITARY SEWER MAIN					RECONNECT SANITARY SERVICE 6"	MANHOLE SANITARY 4'-DIAMETER TYPE 1 FRAME CLOSED LID	SANITARY MANHOLE REMOVE & REPLACE	SANITARY MANHOLES TO BE ADJUSTED	SANITARY SEWER TO BE ABANDONED
							6"	8"	1"	2"	3"	6"	8"	6"	8"	4"	6"	4"	6"	8"							8"	10"	6"	8"	10"					
CU. YD.	SO. YD.	SO. YD.	SO. YD.	SO. YD.	SO. YD.	SO. YD.	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH				
LT. STA. 98+00 TO RT. STA. 4+00 - GALLATIN	339						217	0	210	0	0	0	1	0	1	2	3	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
LT. STA. 4+00 TO RT. STA. 10+00 - GALLATIN	576						367	0	600	0	0	1	0	0	0	2	30	0	0	30	1	1	269	0	0	0	0	0	0	0	0	0	0	0	0	
LT. STA. 10+00 TO RT. STA. 16+05 - GALLATIN	1639						552	0	605	0	0	0	0	0	0	6	17	0	0	17	2	2	70	475	0	0	0	0	0	0	0	0	0	0	0	
LT. STA. 16+05 TO RT. STA. 18+26.50 - GALLATIN	660						210	0	221	0	0	0	1	0	1	0	5	0	1	5	1	1	0	200	0	0	0	0	0	0	0	0	0	0	0	
SEVENTH STREET	1006		58				434	0	583	0	1	0	1	0	1	2	6	0	1	6	2	0	0	524	0	0	0	0	0	0	0	0	0	0	0	
SIXTH STREET	204	7	126	10			0	0	300	0	0	0	0	0	0	1	3	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALLEY BETWEEN 5TH AND 6TH	197		70				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	0	0	0	0	0	0	0	0	0	0	0	
FIFTH STREET	455		304				53	0	730	0	0	0	1	1	1	3	6	1	1	6	0	0	80	0	0	0	0	0	0	0	0	0	0	0	0	
ALLEY BETWEEN 4TH AND 5TH	197		141		20		278	0	0	0	0	2	0	0	1	0	8	0	0	8	1	1	0	0	0	28	0	278	280	0	0	0	0	0		
FOURTH STREET	157		136		28		393	0	1	0	0	0	0	0	2	0	5	0	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALLEY BETWEEN 3RD AND 4TH	32	9					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JOHNSON STREET	0						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALLEY BETWEEN 7TH AND 6TH	25	8					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	5487	24	835	10	48	1833	671	3249	1	1	3	4	1	7	16	83	1	5	83	9	5	419	1599	28	187	1162	280	391	265	50	18	4	3	1749		



PAVING SCHEDULE

LOCATION	SUBBASE GRANULAR MATERIAL TYPE A, 4"	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	PORTLAND CEMENT CONCRETE BASE COURSE 10"	BITUMINOUS MATERIALS (PRIME COAT)	LEVELING BINDER (MACHINE METHOD), N70	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	PAVEMENT REMOVAL
	SO. YD.	SO. YD.	SO. YD.	(GALLON)	TON	TON	SO. YD.		SO. YD.
GALLATIN STREET									
STA. 98+69 TO STA. 98+96	212		180	21		15			176
LT. STA. 98+96 TO LT. STA. 100+65.9									13
RT. STA. 98+96 TO RT. STA. 2+41.9									65
STA. 98+96 TO STA. 2+55.33				184	177	134	290		
STA. 2+55.33 TO STA. 6+55.79				236	194	172	2048		
RT. STA. 2+70 TO RT. STA. 3+34	73	45							
RT. STA. 4+63.8 TO RT. STA. 5+20	55	36							59
RT. STA. 6+00 TO RT. STA. 6+32	33	19							
LT. STA. 6+28 TO LT. STA. 6+38	73	53							
RT. STA. 6+37.8 TO RT. STA. 7+09	159	159							168
STA. 6+55.79 TO STA. 10+57.98				275	282	201	2391		
LT. STA. 6+87 TO LT. STA. 7+07	19	7							
RT. STA. 10+03 TO RT. STA. 10+31	36	21							
LT. STA. 10+24 TO LT. STA. 10+38	31	19							
STA. 10+57.98 TO STA. 14+56.64				273	262	199	2370		
RT. STA. 10+76 TO RT. STA. 10+93	33	20							
LT. STA. 10+86 TO LT. STA. 11+10	27	15							
RT. STA. 14+03 TO RT. STA. 14+28	29	17							
LT. STA. 14+21 TO LT. STA. 14+36	32	20							
STA. 14+56.64 TO STA. 18+28.5				255	205	186	2211	109	
SEVENTH STREET									
STA. 703+70 TO STA. 704+26				32	39	23		240	
STA. 704+67 TO STA. 704+87				8	9	5		61	
SIXTH STREET									
STA. 603+15 TO STA. 604+15	464		407	47		34			503
STA. 604+68 TO STA. 605+32				50	59	35		361	
LT. STA. 604+76.8 TO LT. STA. 605+02.5									25
LT. STA. 605+21 TO LT. STA. 605+32									8
FIFTH STREET									
STA. 503+72 TO STA. 504+14				31	37	23		239	
STA. 504+67 TO STA. 504+98				23	27	17		176	
FOURTH STREET									
STA. 403+85 TO STA. 404+14				20	22	13		156	
STA. 404+68 TO STA. 404+98				25	29	17		188	
TOTAL	1276	431	587	1480	1342	1074	9310	1530	1017

△ ADJUST QUANTITY (4-13-07)

REVISIONS	
NAME	DATE
LWJ	4-13-07

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: VERT. _____
 HORIZ. _____

DATE _____

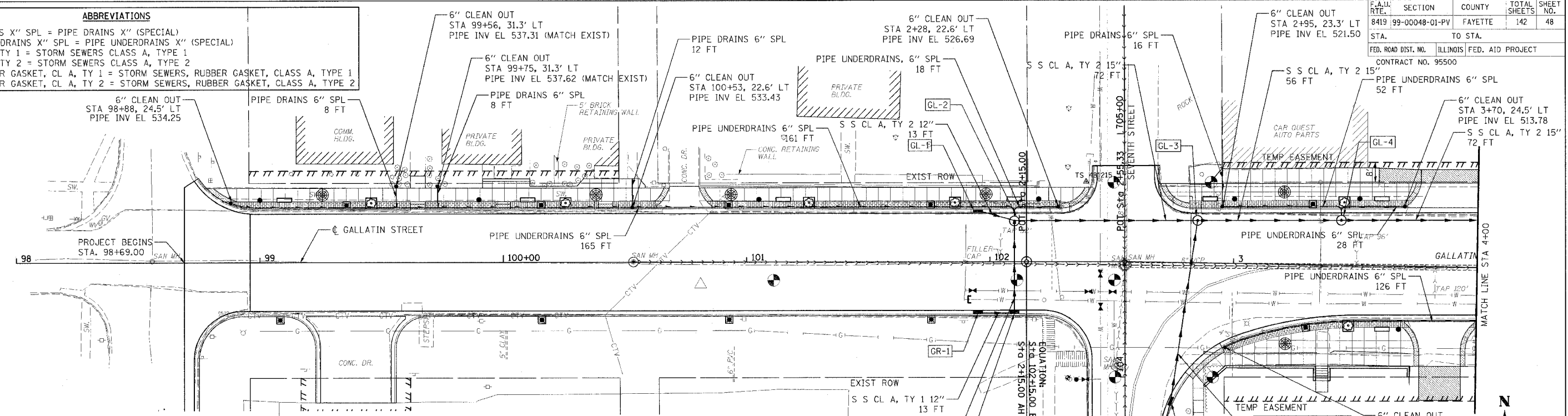
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 PLOTTED: 4/16/2007

H.M. & G. INC. 4812

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8419	99-00048-01-PV	FAYETTE	142	48
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 95500				

ABBREVIATIONS
 PIPE DRAINS X" SPL = PIPE DRAINS X" (SPECIAL)
 PIPE UNDERDRAINS X" SPL = PIPE UNDERDRAINS X" (SPECIAL)
 S S CL A, TY 1 = STORM SEWERS CLASS A, TYPE 1
 S S CL A, TY 2 = STORM SEWERS CLASS A, TYPE 2
 S S, RUBBER GASKET, CL A, TY 1 = STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1
 S S, RUBBER GASKET, CL A, TY 2 = STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2



DRAINAGE STRUCTURE TABLE

NO.	STATION	OFFSET	DESCRIPTION	LID/GRATE ELEV.	PIPE INVERT ELEV.			
					NORTH	SOUTH	EAST	WEST
GL-1	101+95	21.08' LT.	INLETS, TYPE B, TYPE 3V FRAME AND GRATE	529.68			524.18	
GR-1	101+95	21.08' RT.	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	529.68			526.18	
GL-2	102+10	17.00' LT.	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	528.81	522.61	522.61	520.61	522.61
GR-2	102+10	21.08' RT.	RESTRICTED DEPTH INLET TYPE B, TYPE 3V FRAME AND GRATE	528.66	523.66			525.66
GR-3	2+71.54	72.11' RT.	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	525.70	521.70			
GR-4	2+75.12	57.06' RT.	INLETS, TYPE B, TYPE 3V FRAME AND GRATE	525.10	519.24	520.74		
GL-3	2+85	17.50' LT.	RESTRICTED DEPTH MANHOLE, 4'-DIAMETER, TYPE 1 FRAME AND CLOSED LID	522.81		517.01	515.01	517.01
GL-4	3+44	18.50' LT.	RESTRICTED DEPTH INLET TYPE B, TYPE 1 FRAME AND CLOSED LID	517.17	512.77		510.77	512.77

LEGEND

- PROPOSED SEWER
- ⊙ PROPOSED MANHOLE
- PROPOSED INLET
- PROPOSED PIPE DRAINS & PIPE UNDERDRAINS
- CLEAN OUT

1 REVISED (4-13-07)



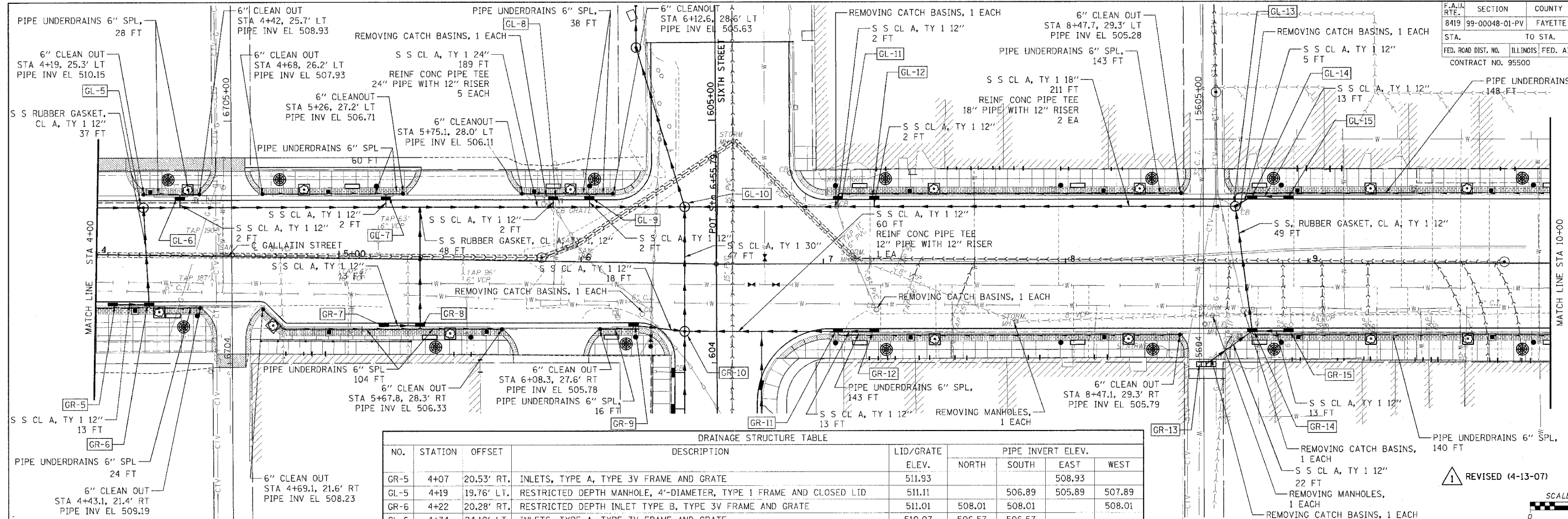
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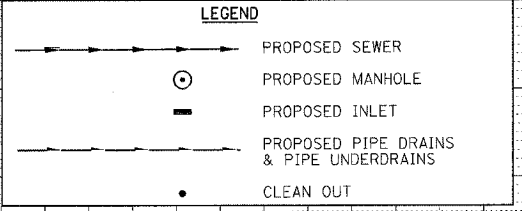
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Revised 4-17-07

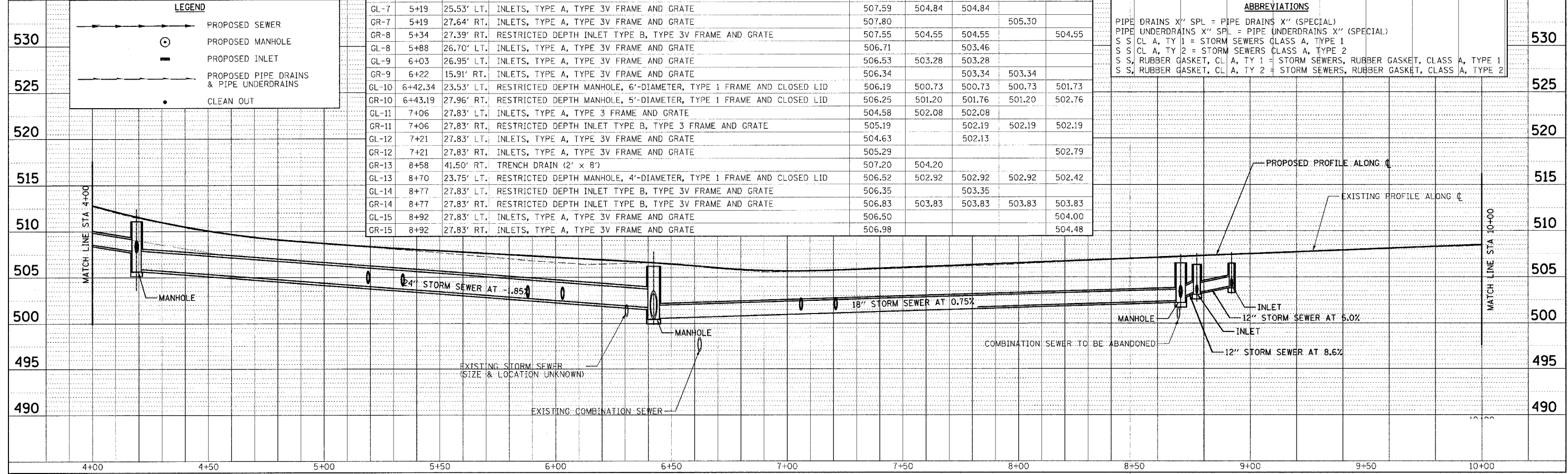
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8419	99-00048-01-PV	FAYETTE	142	49
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 95500				



NO.	STATION	OFFSET	DESCRIPTION	LID/GRATE ELEV.	PIPE INVERT ELEV.			
					NORTH	SOUTH	EAST	WEST
GR-5	4+07	20.53' RT.	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	511.93			508.93	
GL-5	4+19	19.76' LT.	RESTRICTED DEPTH MANHOLE, 4'-DIAMETER, TYPE 1 FRAME AND CLOSED LID	511.11	508.89	508.89	507.89	
GR-6	4+22	20.28' RT.	RESTRICTED DEPTH INLET TYPE B, TYPE 3V FRAME AND GRATE	511.01	508.01	508.01	508.01	
GL-6	4+34	24.10' LT.	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	510.07	506.57	506.57		
GR-7	5+19	25.53' LT.	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	507.59	504.84	504.84		
GR-8	5+19	27.64' RT.	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	507.80		505.30		
GR-9	5+34	27.39' RT.	RESTRICTED DEPTH INLET TYPE B, TYPE 3V FRAME AND GRATE	507.55	504.55	504.55	504.55	
GL-8	5+88	26.70' LT.	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	506.71	503.46	503.46		
GL-9	6+03	26.95' LT.	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	506.53	503.28	503.28		
GR-9	6+22	15.91' RT.	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	506.34	503.34	503.34		
GL-10	6+42.34	23.53' LT.	RESTRICTED DEPTH MANHOLE, 6'-DIAMETER, TYPE 1 FRAME AND CLOSED LID	506.19	500.73	500.73	500.73	501.73
GR-10	6+43.19	27.96' RT.	RESTRICTED DEPTH MANHOLE, 5'-DIAMETER, TYPE 1 FRAME AND CLOSED LID	506.25	501.20	501.76	501.20	502.76
GL-11	7+06	27.83' LT.	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	504.58	502.08	502.08		
GR-11	7+06	27.83' RT.	RESTRICTED DEPTH INLET TYPE B, TYPE 3V FRAME AND GRATE	505.19	502.19	502.19	502.19	502.19
GL-12	7+21	27.83' LT.	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	504.63	502.13			
GR-12	7+21	27.83' RT.	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	505.29		502.79		
GR-13	8+58	41.50' RT.	TRENCH DRAIN (2' x 8')	507.20	504.20			
GL-13	8+70	23.75' LT.	RESTRICTED DEPTH MANHOLE, 4'-DIAMETER, TYPE 1 FRAME AND CLOSED LID	506.52	502.92	502.92	502.92	502.42
GL-14	8+77	27.83' LT.	RESTRICTED DEPTH INLET TYPE B, TYPE 3V FRAME AND GRATE	506.35	503.35	503.35		
GR-14	8+77	27.83' RT.	RESTRICTED DEPTH INLET TYPE B, TYPE 3V FRAME AND GRATE	506.83	503.83	503.83	503.83	503.83
GL-15	8+92	27.83' LT.	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	506.50		504.00		
GR-15	8+92	27.83' RT.	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	506.98		504.48		



PIPE DRAINS X" SPL = PIPE DRAINS X" (SPECIAL)	
PIPE UNDERDRAINS X" SPL = PIPE UNDERDRAINS X" (SPECIAL)	
S S CL A, TY 1 = STORM SEWERS CLASS A, TYPE 1	
S S CL A, TY 2 = STORM SEWERS CLASS A, TYPE 2	
S S, RUBBER GASKET, CL A, TY 1 = STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	
S S, RUBBER GASKET, CL A, TY 2 = STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2	



PLAN
 NO. _____
 DATE _____

PROFILE
 NO. _____
 DATE _____

CADD FILE: /4812/iss/Gallatin_02.dgn
 PLOTTED: 4/16/2007

Revised 4-17-07

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8419	99-00048-01-PV	FAYETTE	142	52

TO STA. 606+60

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

CONTRACT NO. 95500

INLETS, TY A, TY 3 F&G STA 606+44, 27.72' LT GRATE EL 504.12 PIPE INV EL 500.12

S S CL A, TY 2 12", 3 FT

INLETS, TY A, TY 3 F&G STA 606+30, 27.76' LT GRATE EL 504.19 PIPE INV EL 500.19

S S CL A, TY 2 12", 4 FT

S S CL A, TY 1 12", 4 FT

S S CL A, TY 1 36", 64 FT

S S CL A, TY 2 12", 3 FT

S S CL A, TY 1 12", 4 FT

S S CL A, TY 2 12", 65 FT

REMOVING CATCH BASINS, 1 EACH

S S CL A, TY 1 12", 58 FT

REMOVING CATCH BASINS, 1 EACH

S S CL A, TY 1 12", 55 FT

REMOVING CATCH BASINS, 1 EACH

RD INLET TY B, TY 3 F&G STA 606+50, 32.37' RT GRATE EL 503.20 PIPE INV EL (N,W) 500.20

INLETS, TY A, TY 3V F&G STA 605+75, 32.46' RT GRATE EL 503.75 PIPE INV EL 500.25

RD INLET TY B, TY 3V F&G STA 605+75, 28.00' LT GRATE EL 504.32 PIPE INV EL 500.15

REMOVING CATCH BASINS, 1 EACH

S S CL A, TY 1 12", 4 FT

S S CL A, TY 2 12", 3 FT

S S CL A, TY 1 36", 64 FT

S S CL A, TY 1 12", 4 FT

S S CL A, TY 2 12", 3 FT

S S CL A, TY 1 12", 4 FT

S S CL A, TY 1 12", 4 FT

S S CL A, TY 1 12", 4 FT

S S CL A, TY 1 12", 4 FT

S S CL A, TY 1 12", 4 FT

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S S CL A, TY 1 12", 4 FT

S S CL A, TY 1 12", 4 FT

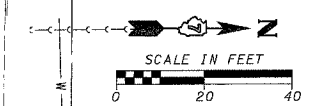
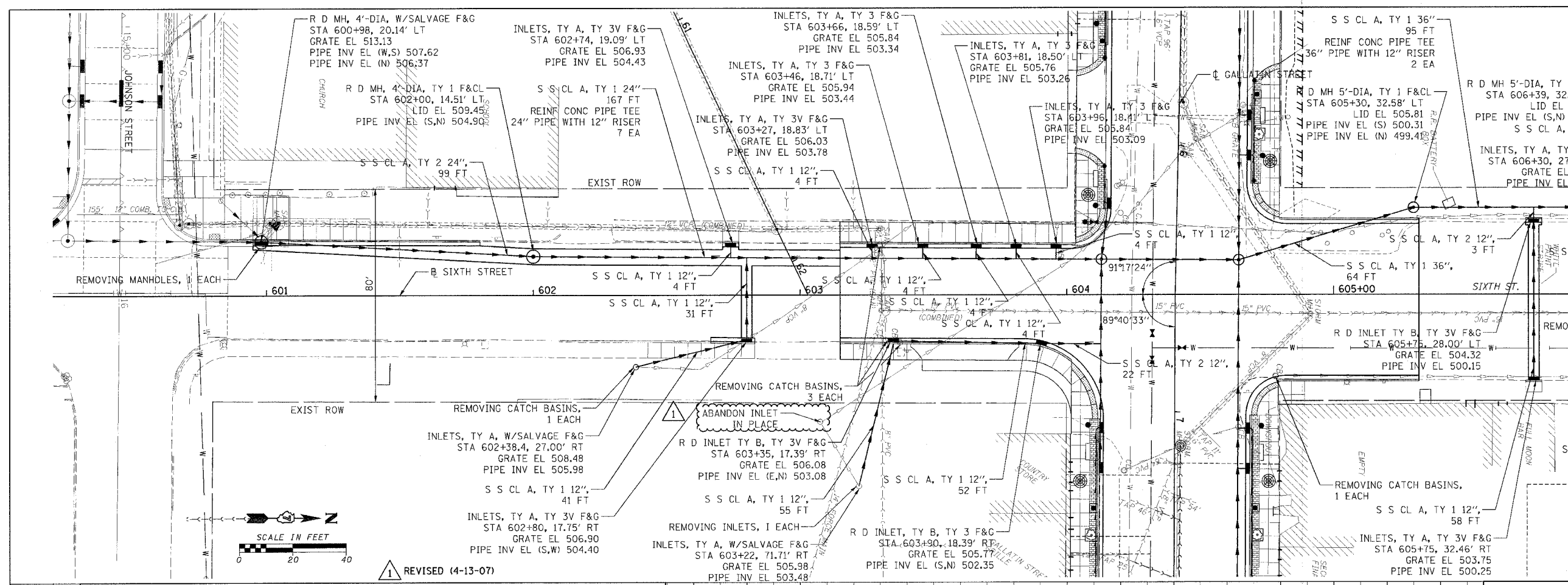
S S CL A, TY 1 12", 4 FT

S S CL A, TY 1 12", 4 FT

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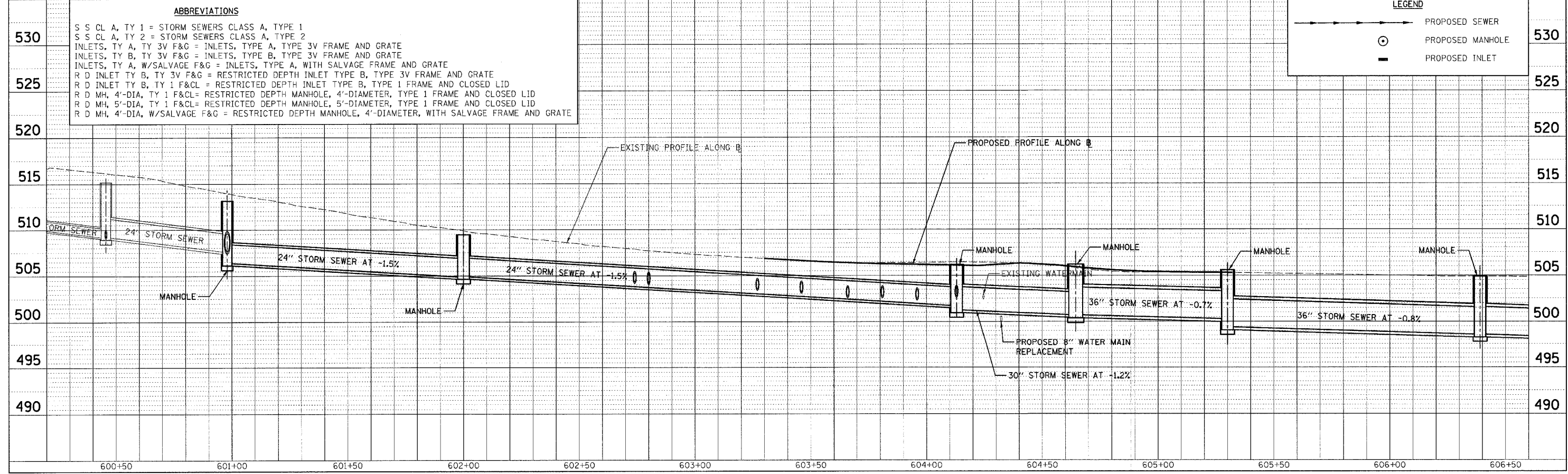
REVISD (4-13-07)

ABBREVIATIONS

S S CL A, TY 1	= STORM SEWERS CLASS A, TYPE 1
S S CL A, TY 2	= STORM SEWERS CLASS A, TYPE 2
INLETS, TY A, TY 3V F&G	= INLETS, TYPE A, TYPE 3V FRAME AND GRATE
INLETS, TY B, TY 3V F&G	= INLETS, TYPE B, TYPE 3V FRAME AND GRATE
INLETS, TY A, W/SALVAGE F&G	= INLETS, TYPE A, WITH SALVAGE FRAME AND GRATE
R D INLET TY B, TY 3V F&G	= RESTRICTED DEPTH INLET TYPE B, TYPE 3V FRAME AND GRATE
R D INLET TY B, TY 1 F&CL	= RESTRICTED DEPTH INLET TYPE B, TYPE 1 FRAME AND CLOSED LID
R D MH, 4'-DIA, TY 1 F&CL	= RESTRICTED DEPTH MANHOLE, 4'-DIAMETER, TYPE 1 FRAME AND CLOSED LID
R D MH, 5'-DIA, TY 1 F&CL	= RESTRICTED DEPTH MANHOLE, 5'-DIAMETER, TYPE 1 FRAME AND CLOSED LID
R D MH, 4'-DIA, W/SALVAGE F&G	= RESTRICTED DEPTH MANHOLE, 4'-DIAMETER, WITH SALVAGE FRAME AND GRATE

LEGEND

	PROPOSED SEWER	530
	PROPOSED MANHOLE	530
	PROPOSED INLET	530



HENRY, MEISENHEIMER & GENDE, INC. 1075 LAKE ROAD CARLYLE, ILLINOIS 62231 (618) 594-3711 WWW.HMGENGINEERS.COM STORM SEWER - STA. 600+20 - STA. 606+60 - (6TH ST.)

Revised 4-17-07

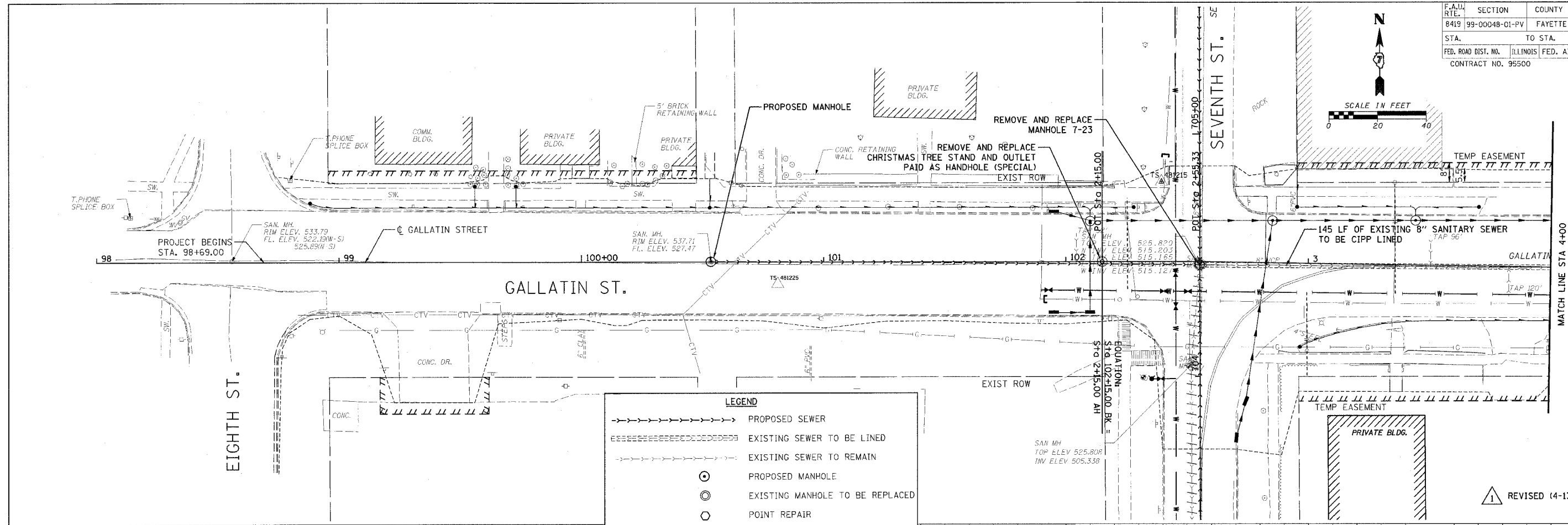
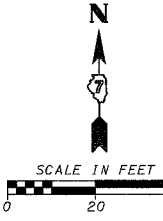
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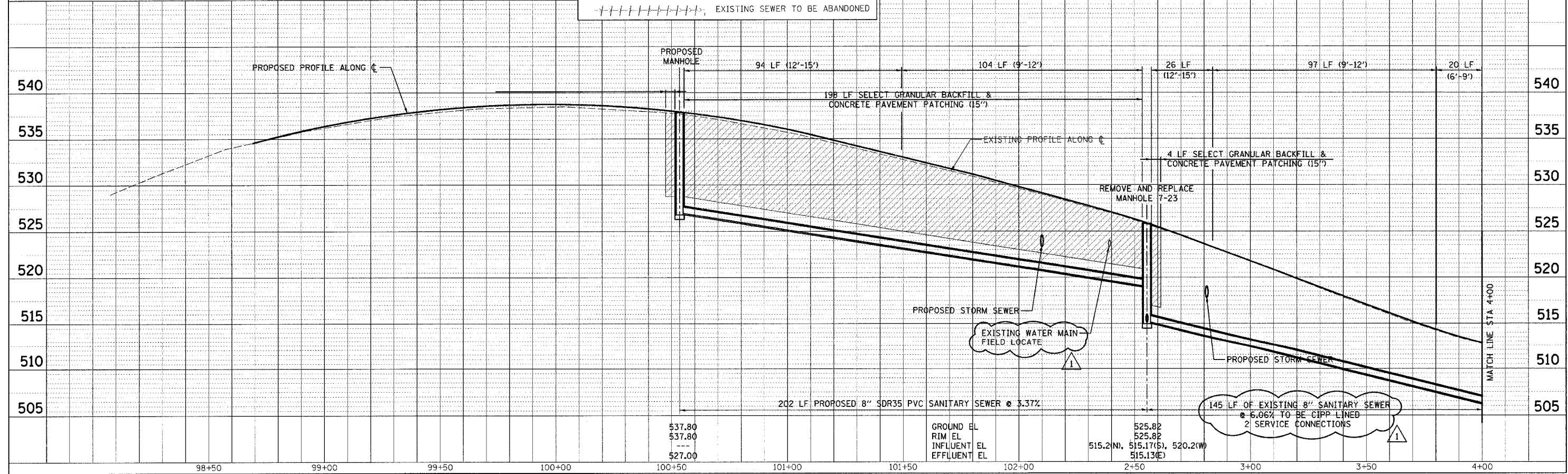
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H.M. & G. NO. 4812

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8419	99-00048-01-PV	FAYETTE	142	59
STA.	TO STA.		ILLINOIS FED. AID PROJECT	
FED. ROAD DIST. NO.	CONTRACT NO. 95500			



	PROPOSED SEWER
	EXISTING SEWER TO BE LINED
	EXISTING SEWER TO REMAIN
	PROPOSED MANHOLE
	EXISTING MANHOLE TO BE REPLACED
	POINT REPAIR
	EXISTING SEWER TO BE ABANDONED

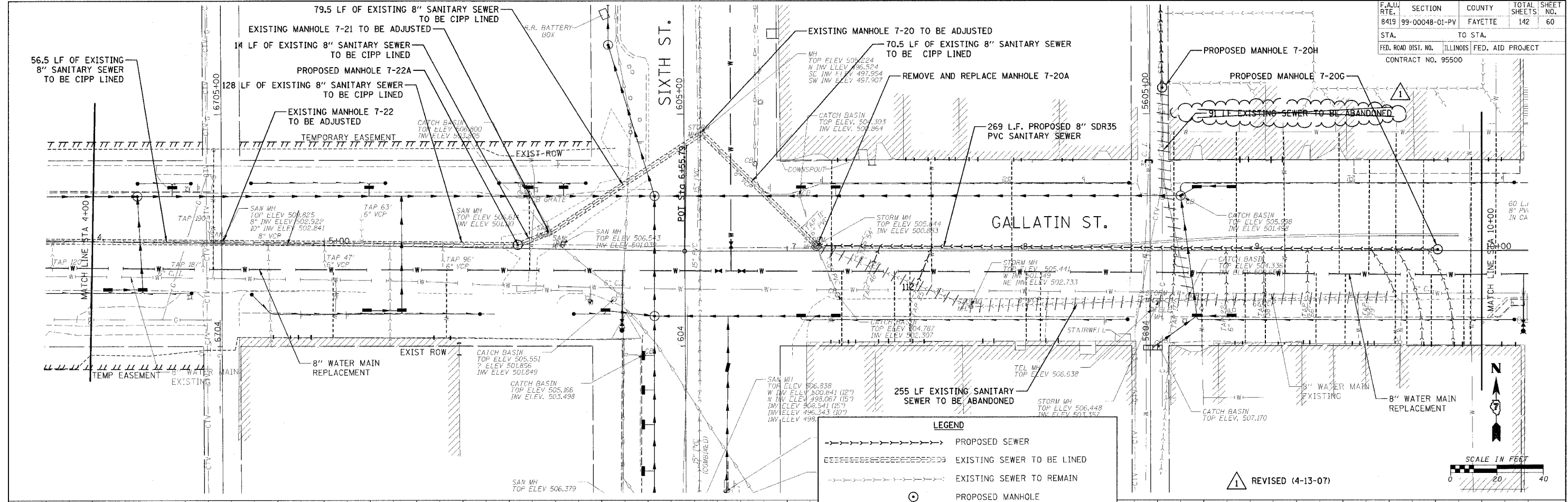


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NO.	CHECKED
NO.	DATE
NO.	CAD FILE NAME

PROFILE	DATE
NO.	BY
NO.	CHECKED
NO.	DATE
NO.	CAD FILE NAME

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PLOTTED: 4/16/2007

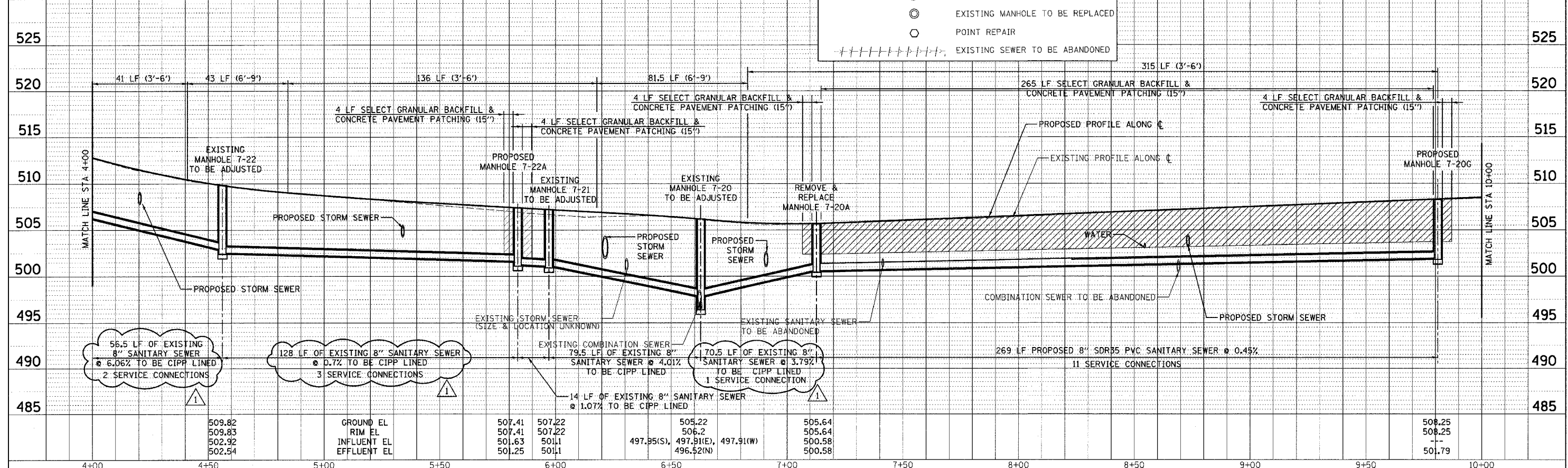
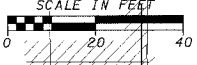
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 95500				



LEGEND

- → → → → PROPOSED SEWER
- — — — — EXISTING SEWER TO BE LINED
- - - - - EXISTING SEWER TO REMAIN
- PROPOSED MANHOLE
- ⊙ EXISTING MANHOLE TO BE REPLACED
- POINT REPAIR
- ||||| EXISTING SEWER TO BE ABANDONED

1 REVISED (4-13-07)



PLAN

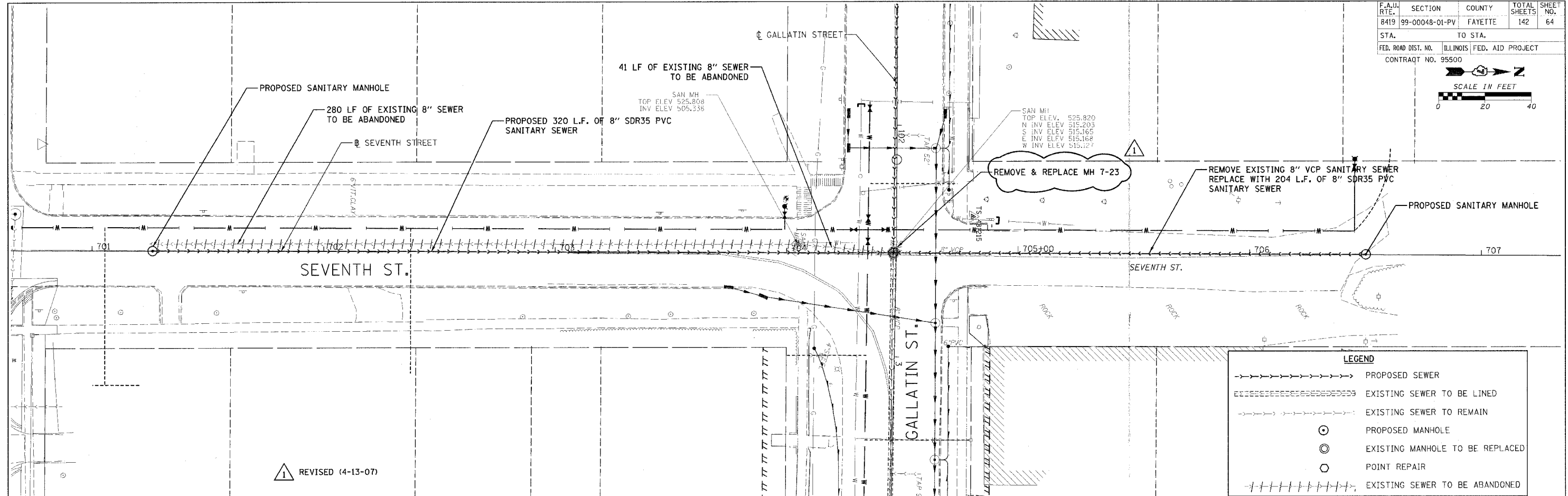
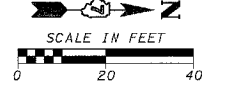
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SURVEYED	
ALIGNED	
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NOTE BOOK NO.	
NO.	
DATE	

PROFILE

BY	DATE
SURVEYED	
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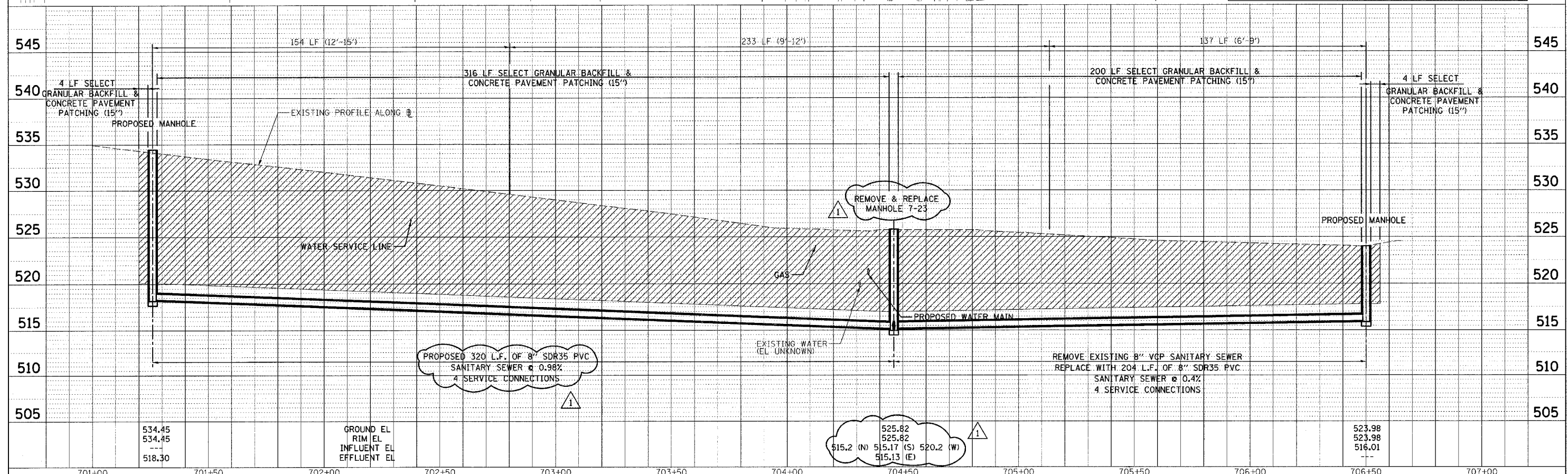
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 95500				



LEGEND	
→→→→→	PROPOSED SEWER
-----	EXISTING SEWER TO BE LINED
- - - - -	EXISTING SEWER TO REMAIN
○	PROPOSED MANHOLE
⊙	EXISTING MANHOLE TO BE REPLACED
○	POINT REPAIR
	EXISTING SEWER TO BE ABANDONED

1 REVISED (4-13-07)



DATE: _____ BY: _____
 PLAN
 SURVEYED _____
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 SURVEYED _____
 SPANS CIRCLED _____
 NOTE BOOK _____
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 STRUCTURE NOTATION _____

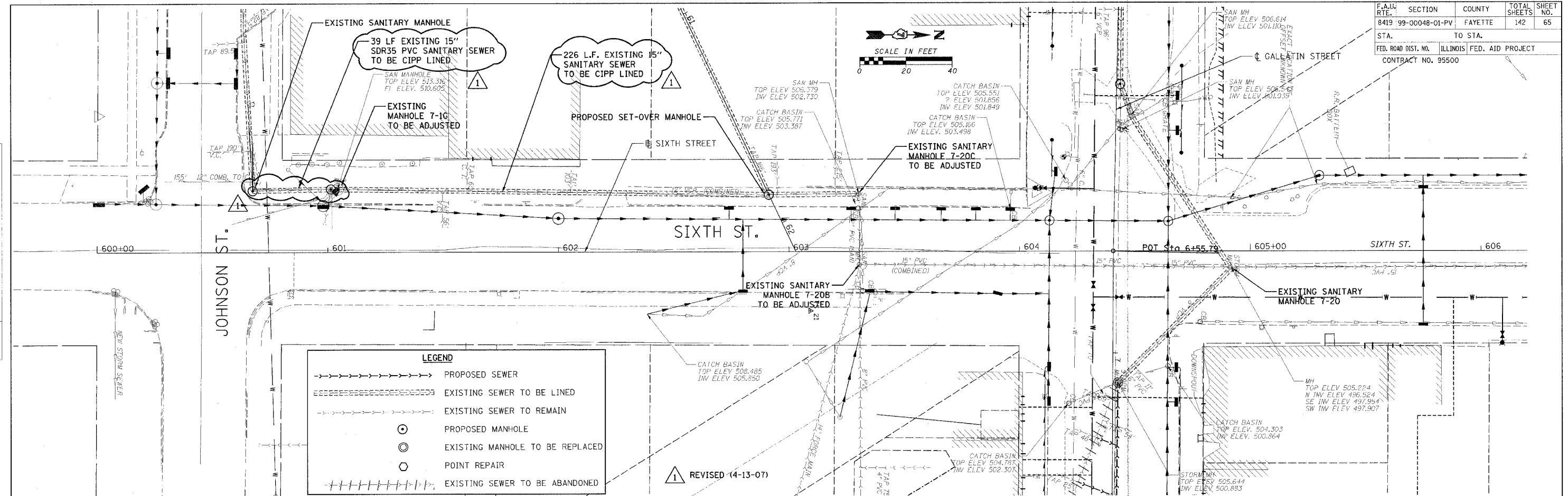
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 95500				

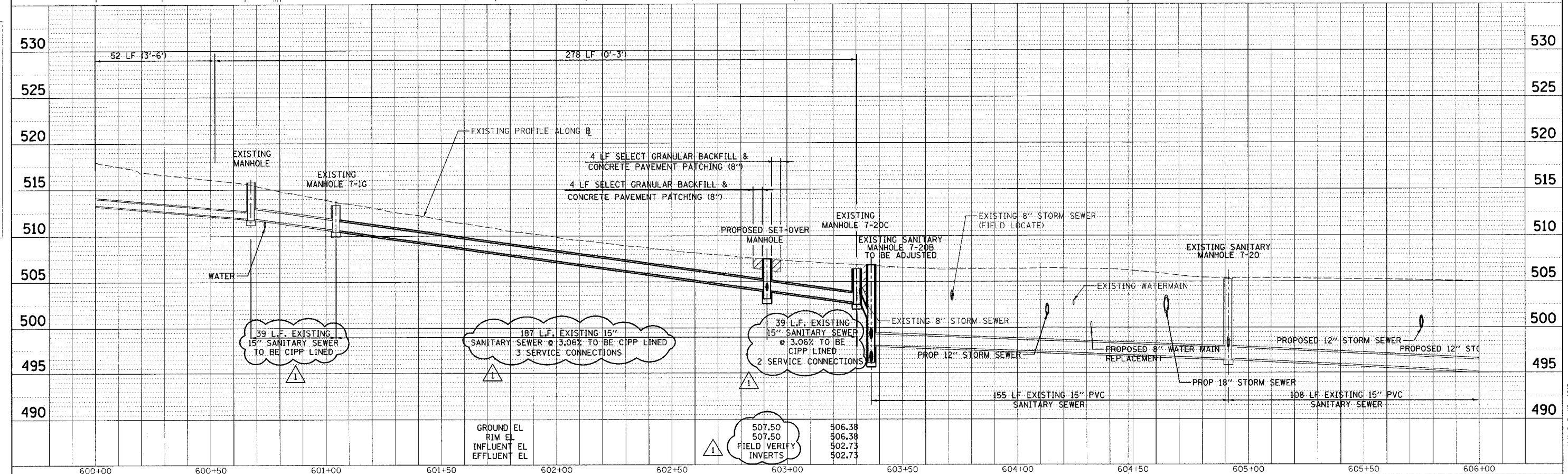
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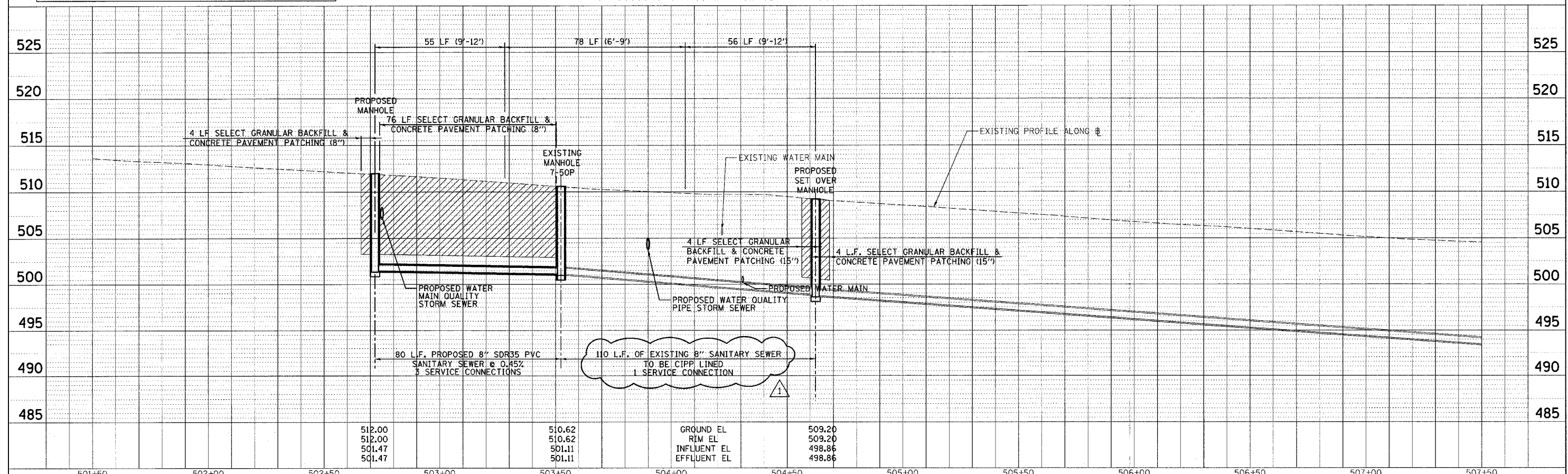
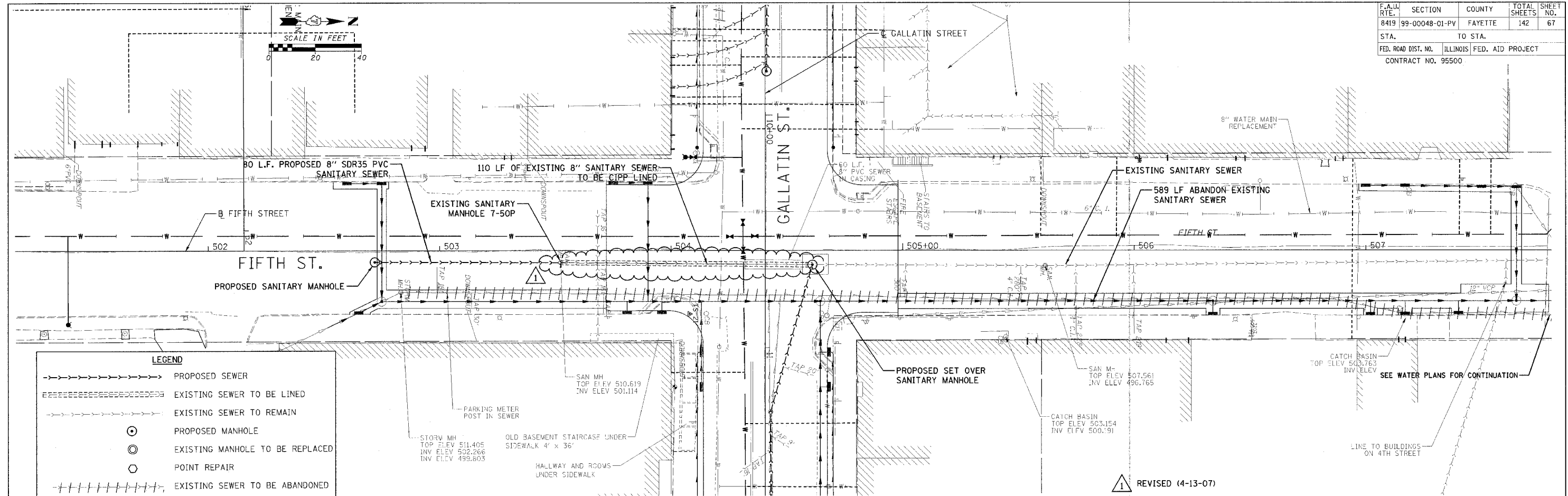
LEGEND	
	PROPOSED SEWER
	EXISTING SEWER TO BE LINED
	EXISTING SEWER TO REMAIN
	PROPOSED MANHOLE
	EXISTING MANHOLE TO BE REPLACED
	POINT REPAIR
	EXISTING SEWER TO BE ABANDONED



Revised 4-17-07

H.M. & G. INC. 4812

F.A.W. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8419	99-00048-01-PV	FAYETTE	142	67
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 95500				

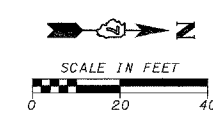


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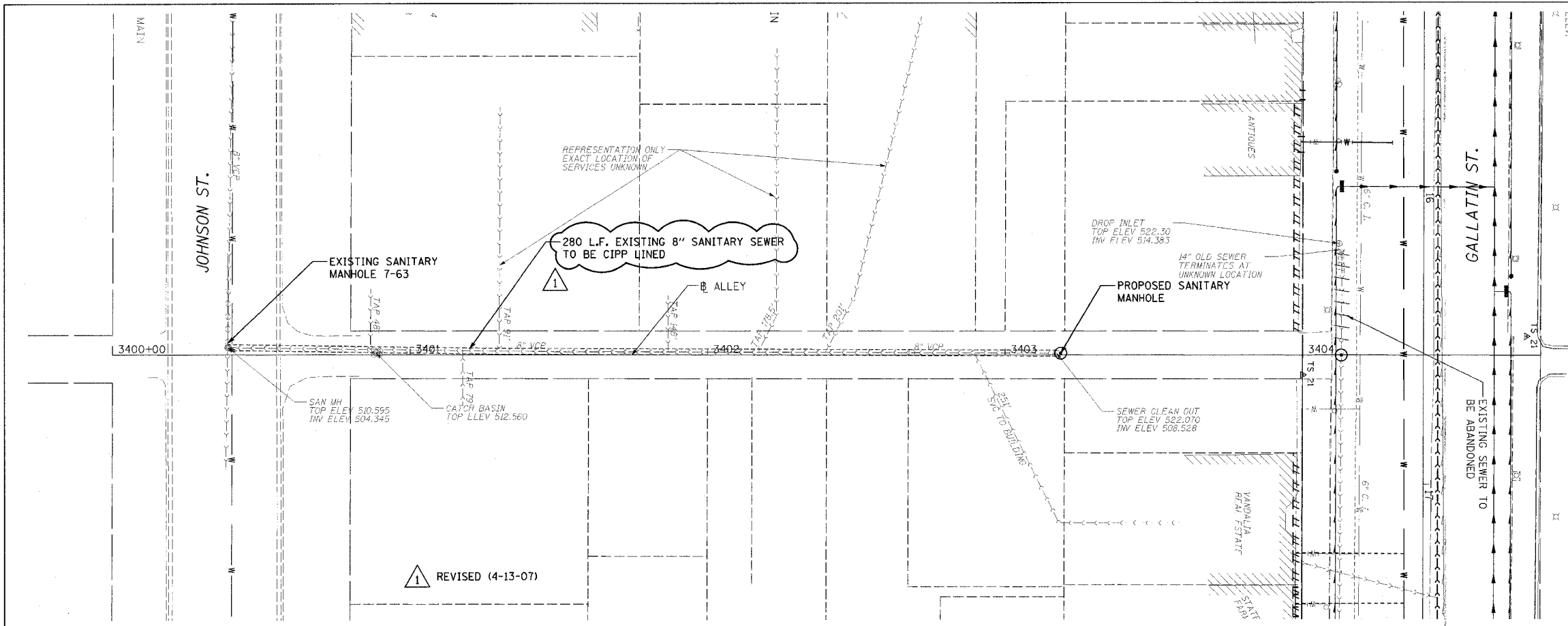
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8419	99-00048-01-PV	FAYETTE	142	68
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 95500				

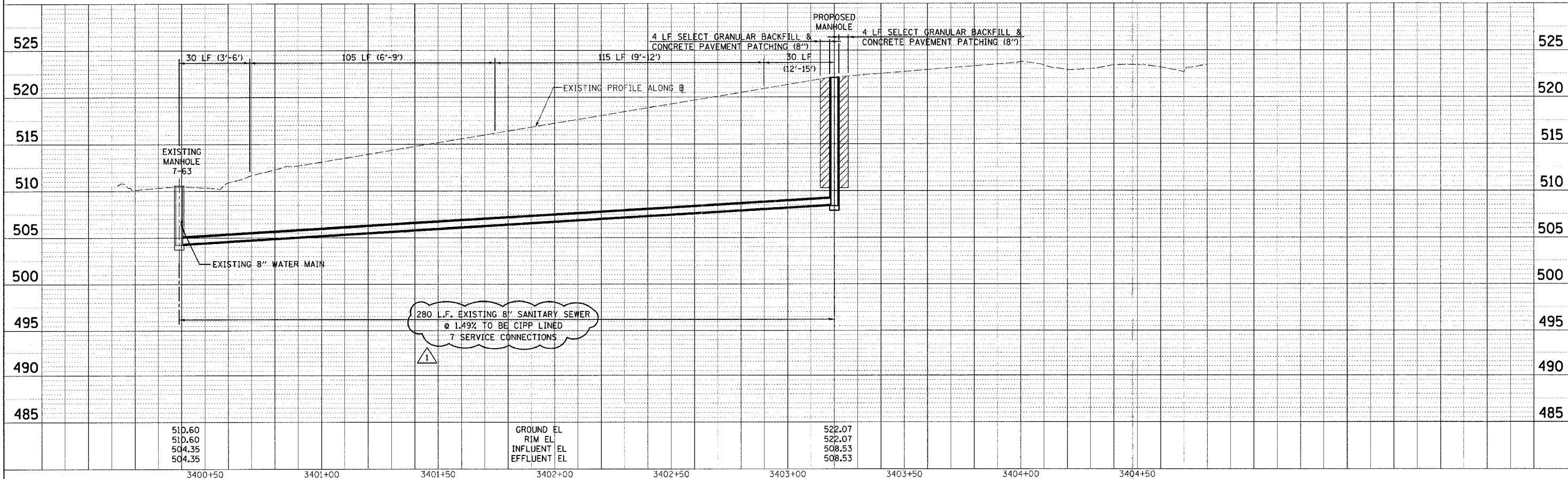


PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	
NO.	FILED	
	NO.	



LEGEND	
	PROPOSED SEWER
	EXISTING SEWER TO BE LINED
	EXISTING SEWER TO REMAIN
	PROPOSED MANHOLE
	EXISTING MANHOLE TO BE REPLACED
	POINT REPAIR
	EXISTING SEWER TO BE ABANDONED

PROFILE	SURVEYED	DATE
NOTE BOOK	ALIGNED	
NO.	FILED	
	NO.	



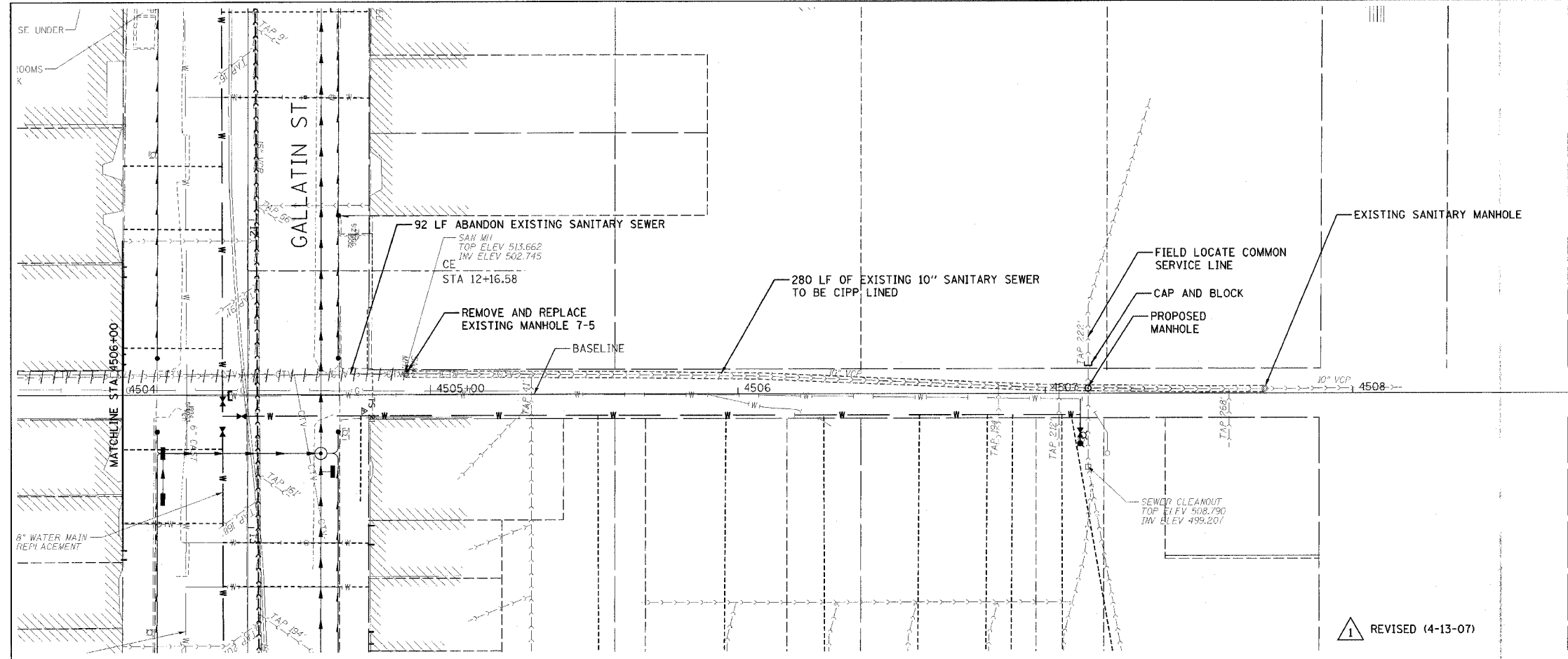
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H.M. & G. INC. 4812

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
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STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
CONTRACT NO. 95500			

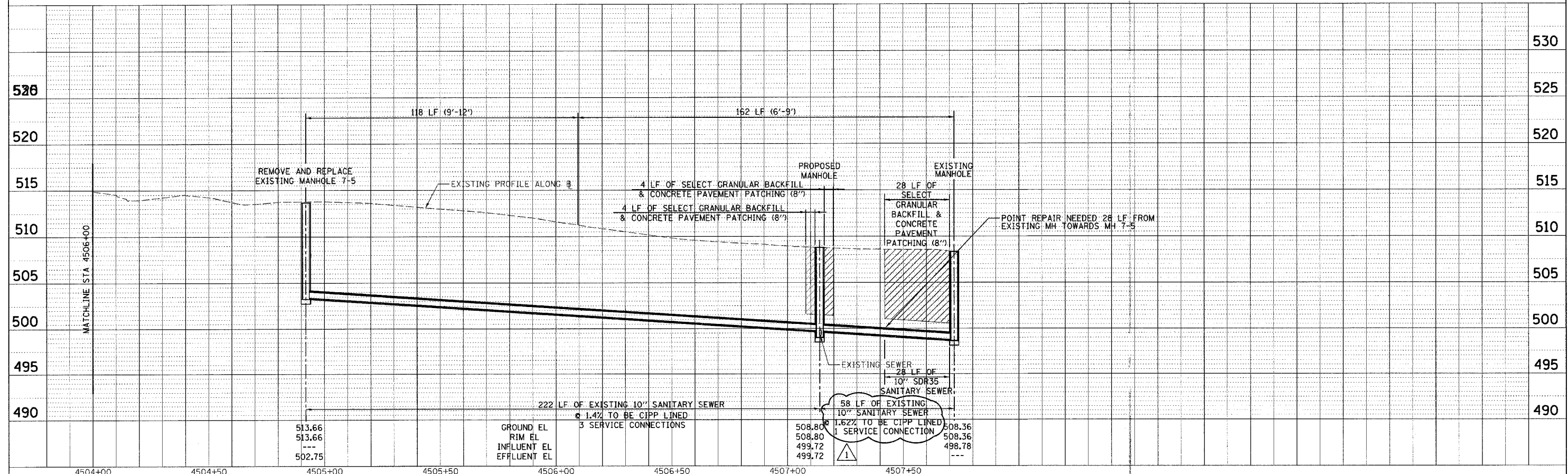
PLAN	DATE
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PROFILE	DATE
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CHECKED	
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LEGEND	
	PROPOSED SEWER
	EXISTING SEWER TO BE LINED
	EXISTING SEWER TO REMAIN
	PROPOSED MANHOLE
	EXISTING MANHOLE TO BE REPLACED
	POINT REPAIR
	EXISTING SEWER TO BE ABANDONED

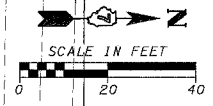
REVIS (4-13-07)



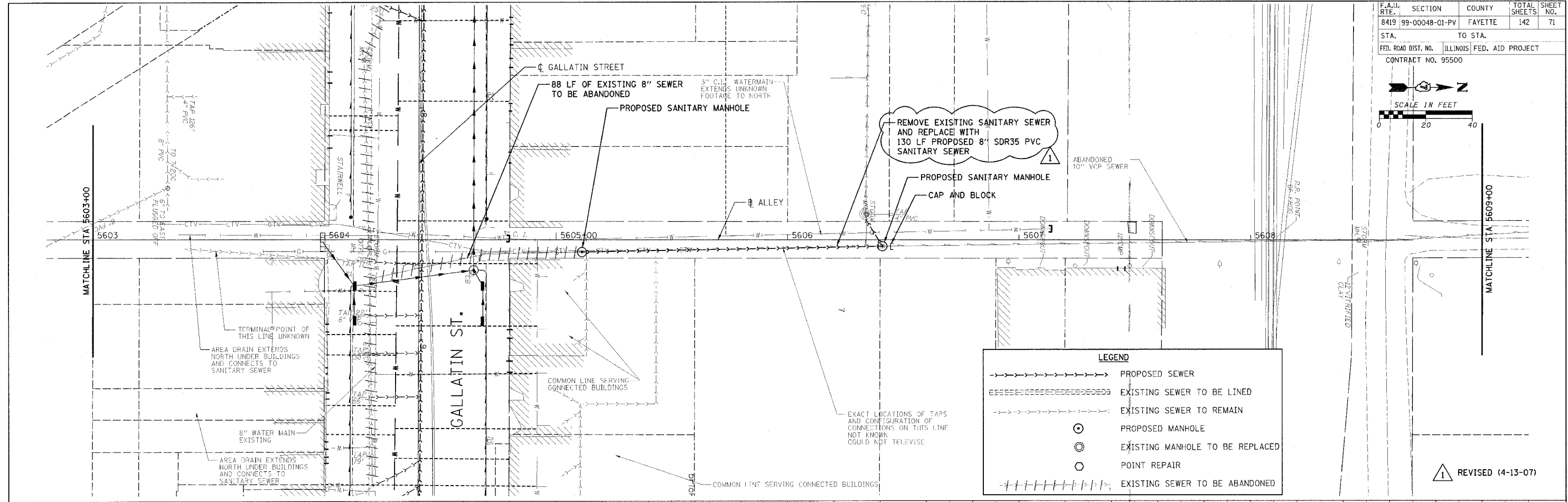
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H.M. & G. NO. 4812

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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 95500				



REVISD (4-13-07)

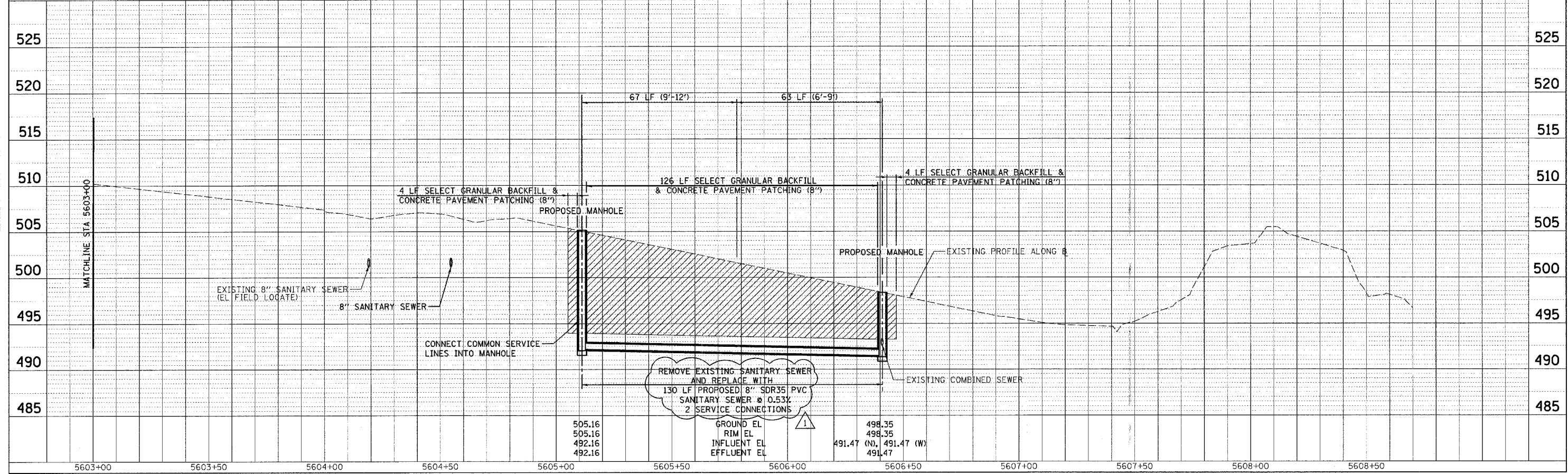


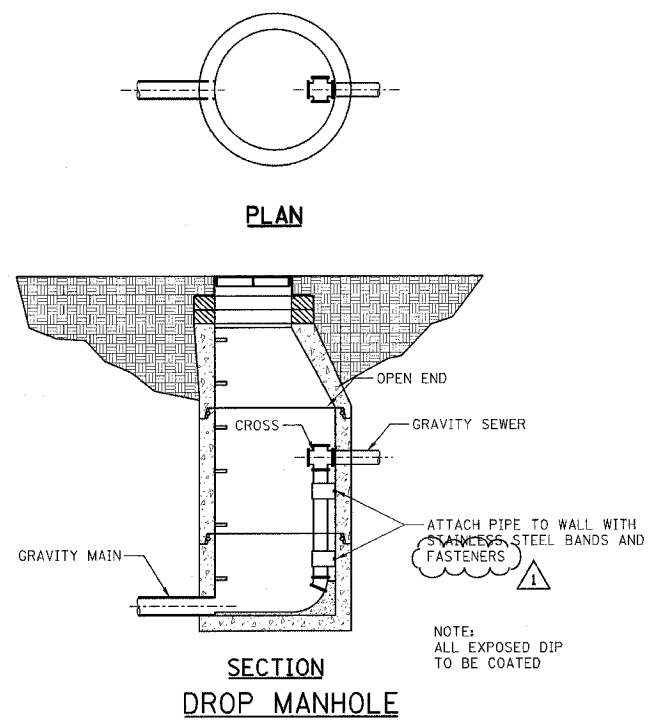
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	EXISTING SEWER TO BE LINED
	EXISTING SEWER TO REMAIN
	PROPOSED MANHOLE
	EXISTING MANHOLE TO BE REPLACED
	POINT REPAIR
	EXISTING SEWER TO BE ABANDONED

DATE	BY	REVISION

DATE	BY	REVISION

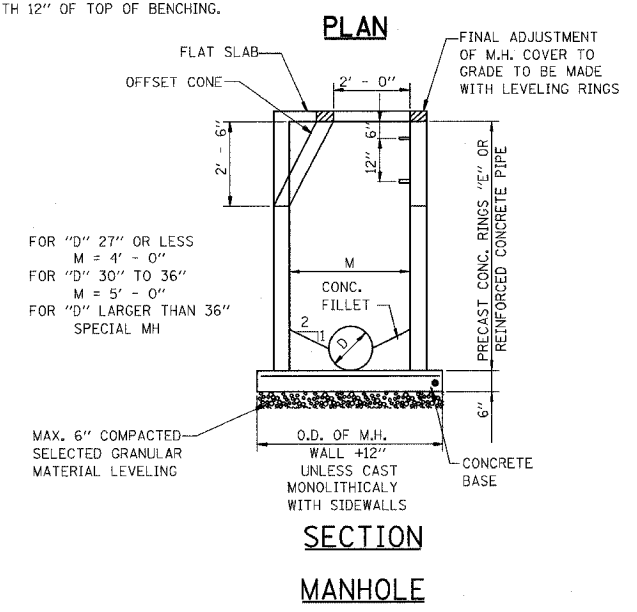
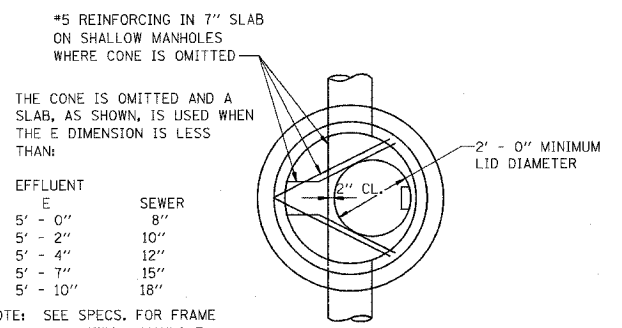
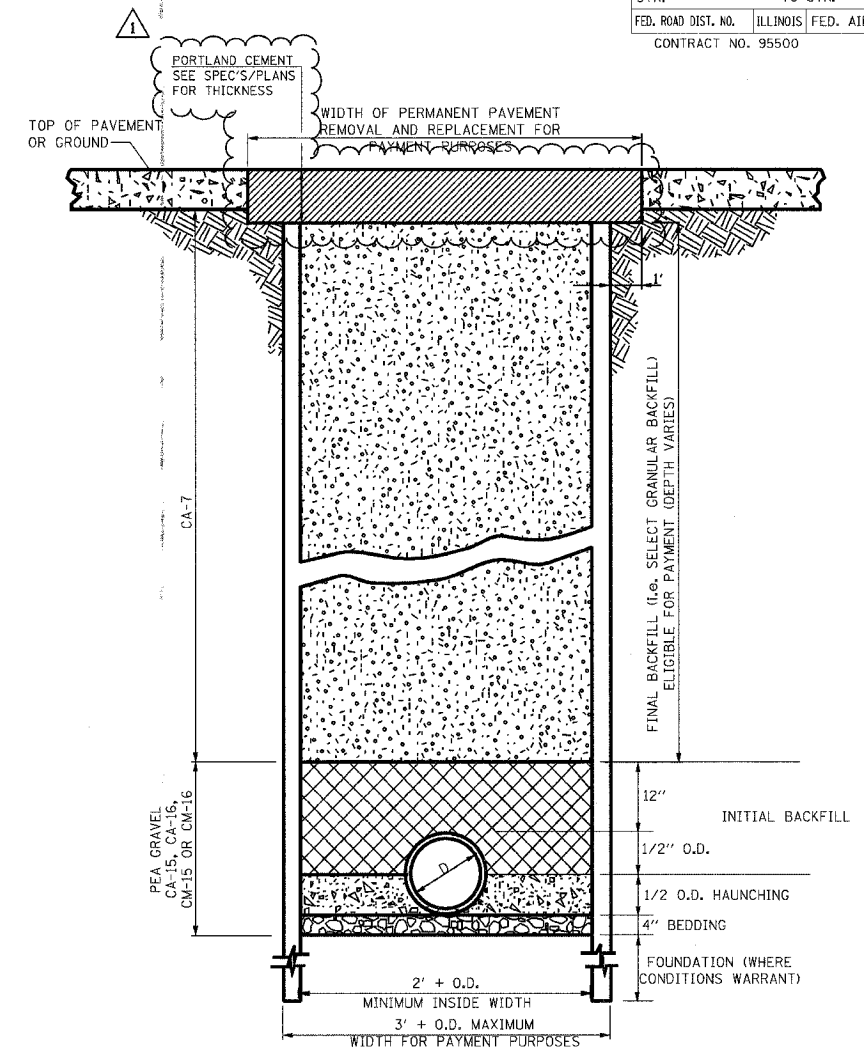
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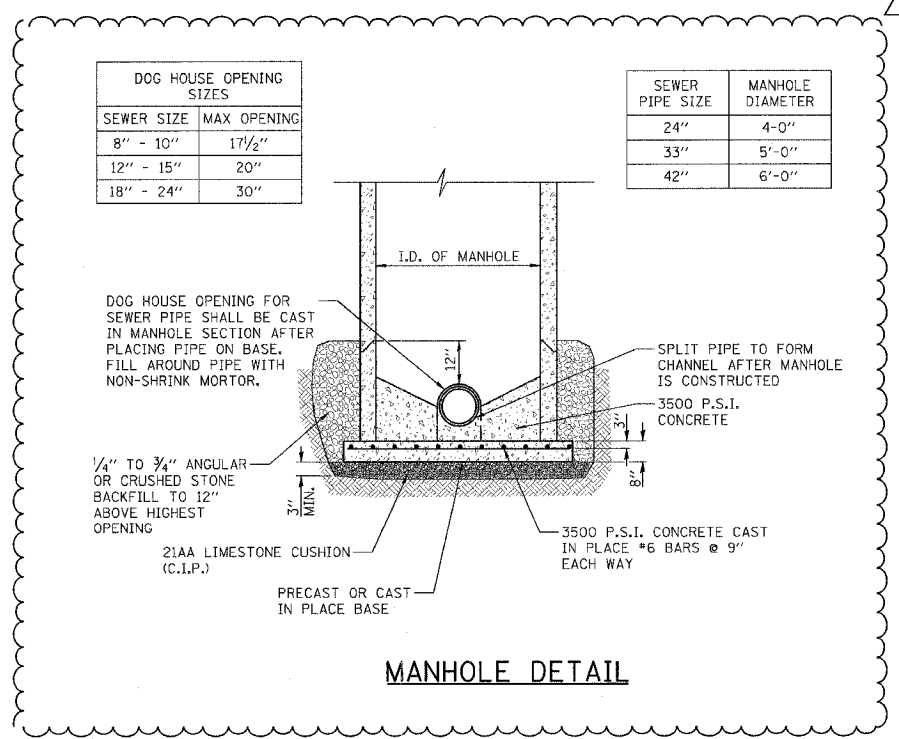
GENERAL NOTES:

1. ALL EXCAVATION SHALL BE KEPT DEWATERED DURING CONSTRUCTION OPERATIONS UNTIL BACKFILL IS IN PLACE.
2. ALL WORK WILL BE DONE IN ACCORDANCE WITH "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS," CURRENT EDITION.
3. SANITARY SEWER PIPE SHALL MEET ASTM D3034 AND SHALL BE TYPE SDR 35, 8" NOMINAL DIAMETER WITH INTEGRAL BELL AND ELASTOMERIC GASKETS MEETING ASTM D3212 AND ASTM F477. UNLESS OTHERWISE NOTED.
4. BACKFILL SHALL MEET STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS AND SHALL BE CA-15, CA-16, CM-15 OR CM-16 FOR BEDDING (BEDDING CLASS I AS PER ASTM D2321) AND SELECT GRANULAR MATERIAL EXCEPT THAT THE TOP 12 INCHES SHALL BE CA-6, WHERE SELECT GRANULAR MATERIAL IS REQUIRED.
5. WATER AND SEWER MAIN SEPARATION WILL BE PER "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS," CURRENT EDITION.
6. AIR TESTING AND DEFLECTION TESTING SHALL BE PERFORMED ACCORDING TO "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS," SECTION 31-1.11.



DOG HOUSE OPENING SIZES	
SEWER SIZE	MAX OPENING
8" - 10"	17 1/2"
12" - 15"	20"
18" - 24"	30"

SEWER PIPE SIZE	MANHOLE DIAMETER
24"	4'-0"
33"	5'-0"
42"	6'-0"



- BEDDING**
BEDDING PER SPECIFICATIONS REQUIRED IN ALL LOCATIONS WHERE SEWER IS WITHIN TWO (2) FEET OF A PERMANENT SURFACE. CASE I BACKFILL FREE FROM ORGANICS AT ALL OTHER LOCATIONS. (INCLUDED IN THE COST OF PIPE)
- HAUNCHING**
HAUNCHING PER SPECIFICATIONS REQUIRED IN ALL LOCATIONS WHERE SEWER IS WITHIN TWO (2) FEET OF A PERMANENT SURFACE. CASE I BACKFILL FREE FROM ORGANICS AT ALL OTHER LOCATIONS. (INCLUDED IN THE COST OF PIPE)
- INITIAL BACKFILL**
INITIAL BACKFILL PER SPECIFICATIONS REQUIRED IN ALL LOCATIONS WHERE SEWER IS WITHIN TWO (2) FEET OF A PERMANENT SURFACE. CASE I BACKFILL FREE FROM ORGANICS AT ALL OTHER LOCATIONS. (INCLUDED IN THE COST OF PIPE)
- FINAL BACKFILL**
SELECT GRANULAR BACKFILL PER SPECIFICATIONS REQUIRED IN ALL LOCATIONS WHERE THE EDGE OF THE SEWER TRENCH IS LOCATED WITHIN TWO (2) FEET OF A PERMANENT SURFACE (ELIGIBLE FOR PAYMENT). CASE I BACKFILL FREE FROM ORGANICS AT ALL OTHER LOCATIONS

TRENCHING DETAIL

REVISIONS	
NAME	DATE
JAW	4-13-07

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SEWER DETAILS

SCALE: VERT. HORIZ.
DATE

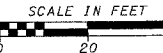
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Revised 4-17-07

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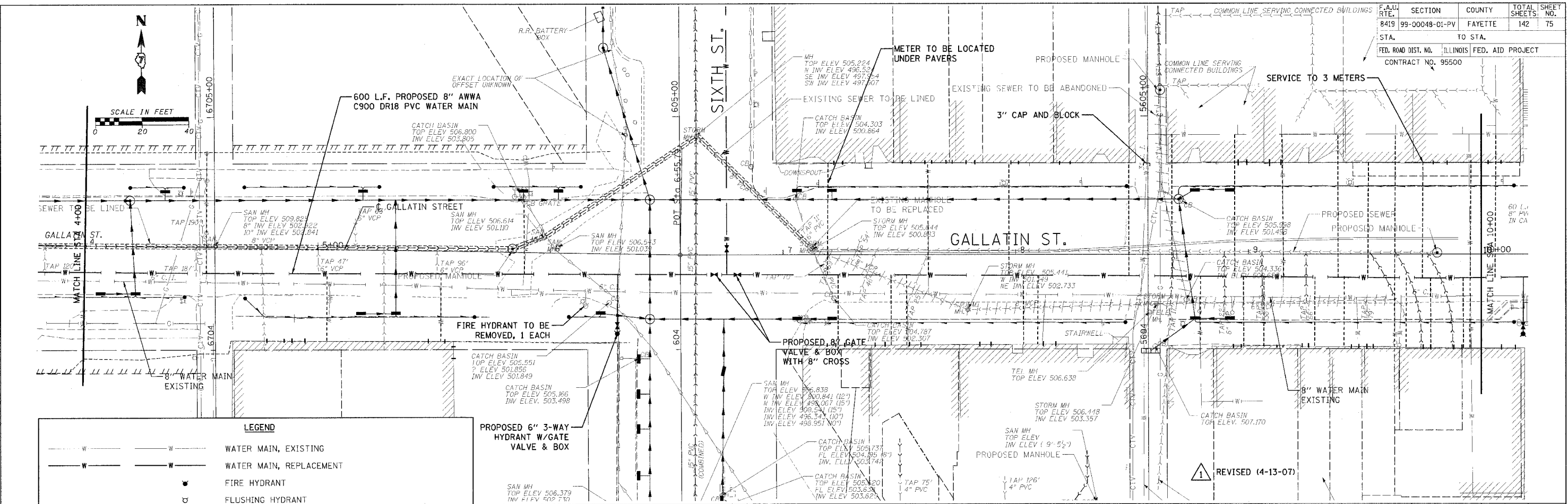
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STA. TO STA.		FED. AID PROJECT		
		CONTRACT NO. 95500		



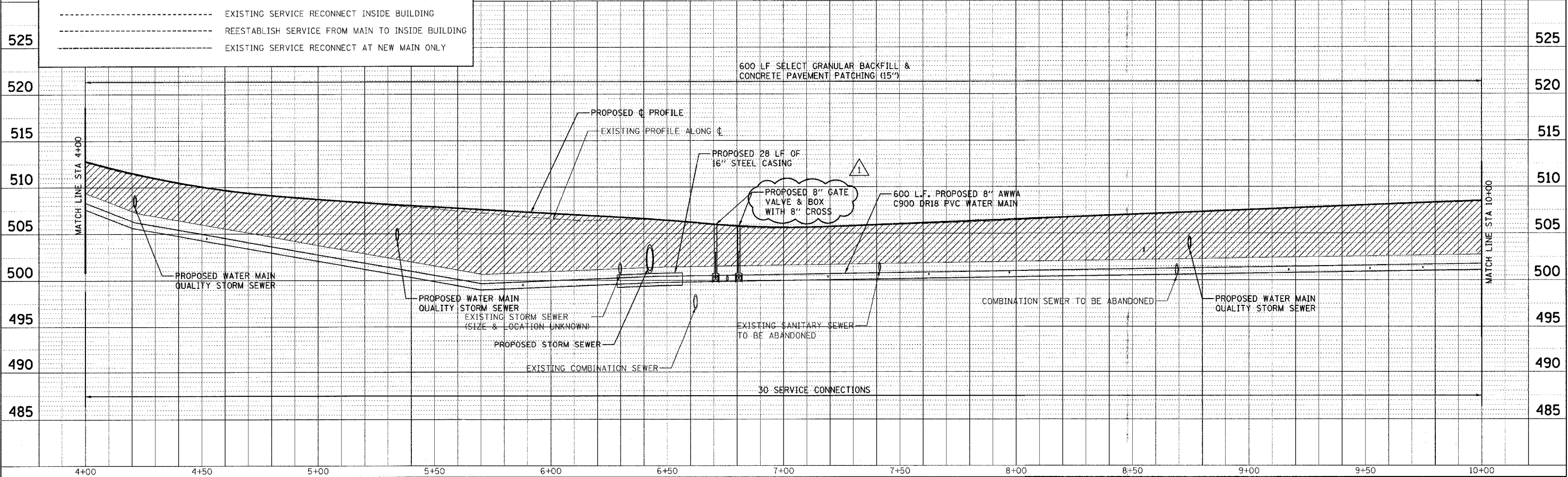
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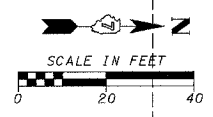
LEGEND	
— W —	WATER MAIN, EXISTING
- - - W - - -	WATER MAIN, REPLACEMENT
⊕	FIRE HYDRANT
⊙	FLUSHING HYDRANT
- - - - -	EXISTING SERVICE RECONNECT INSIDE BUILDING
- - - - -	REESTABLISH SERVICE FROM MAIN TO INSIDE BUILDING
- - - - -	EXISTING SERVICE RECONNECT AT NEW MAIN ONLY



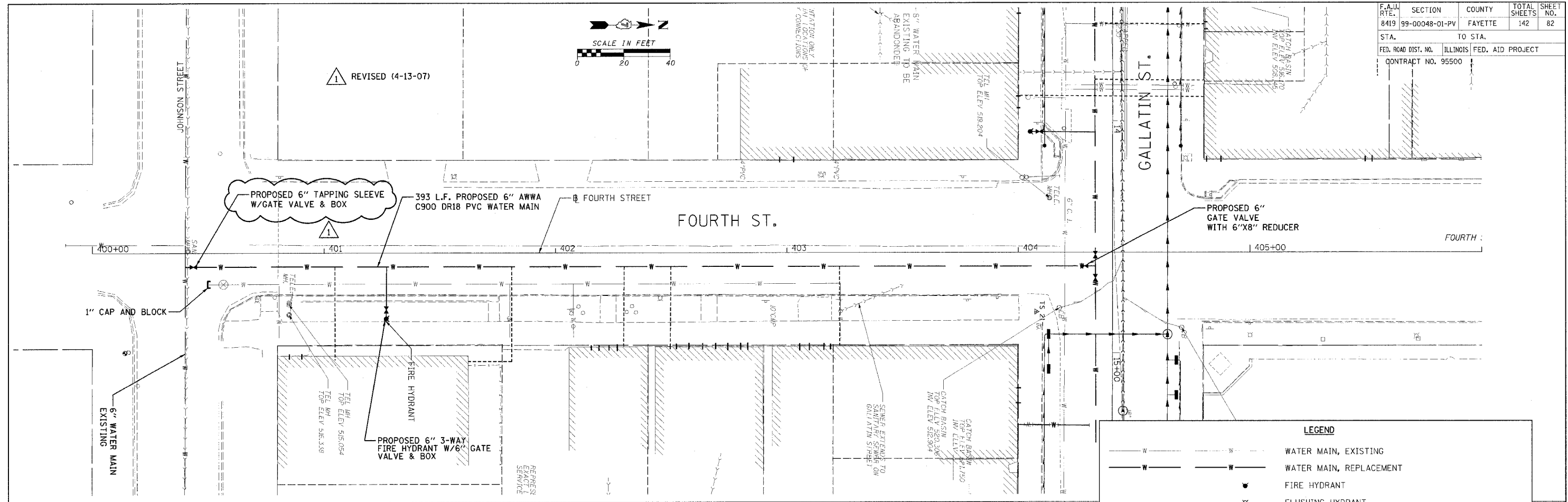
Revised 4-17-07

H.M. & G. NO. 4812

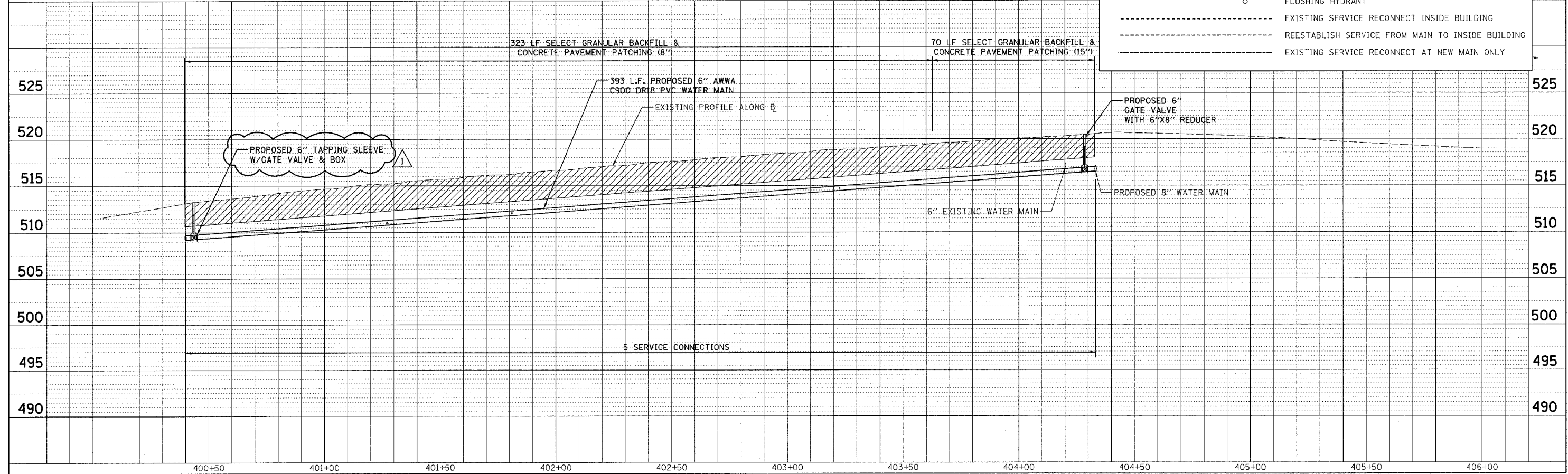
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STA.	TO STA.		FED. AID PROJECT	
			CONTRACT NO. 95500	



REVISD (4-13-07)



LEGEND	
	WATER MAIN, EXISTING
	WATER MAIN, REPLACEMENT
	FIRE HYDRANT
	FLUSHING HYDRANT
	EXISTING SERVICE RECONNECT INSIDE BUILDING
	REESTABLISH SERVICE FROM MAIN TO INSIDE BUILDING
	EXISTING SERVICE RECONNECT AT NEW MAIN ONLY



DATE	BY	REVISION

DATE	BY	REVISION

CADD FILE: /4812/W_Fourth.dwg
PLOTED: 4/16/2007

Revised 4-17-07

H.M. & G. NO. 4812

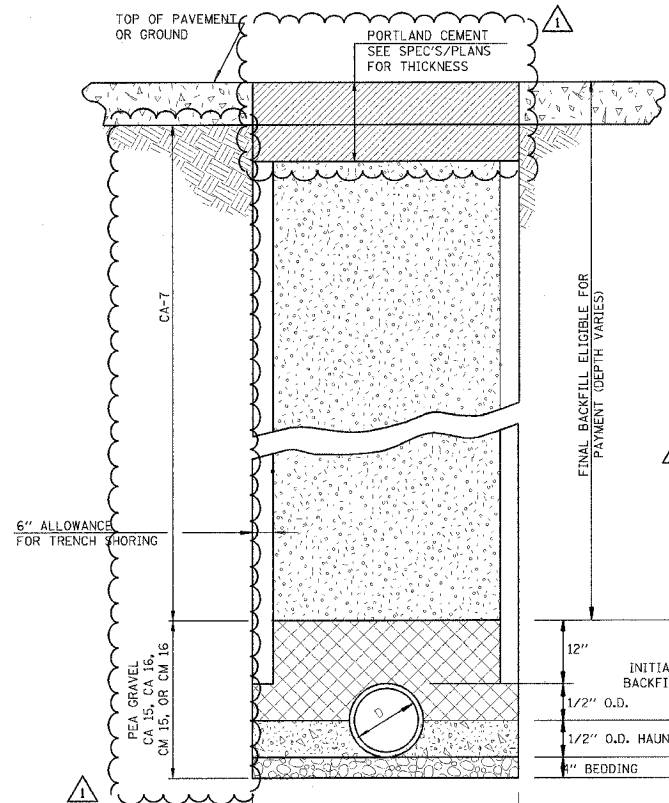
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 95500				

GENERAL NOTES:

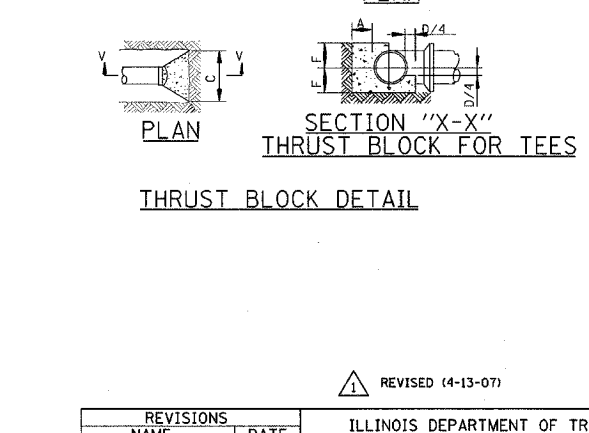
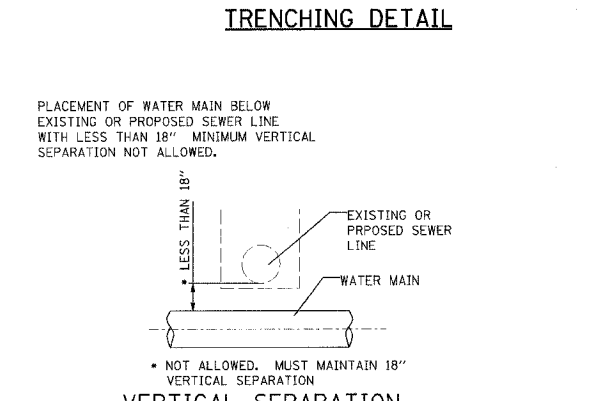
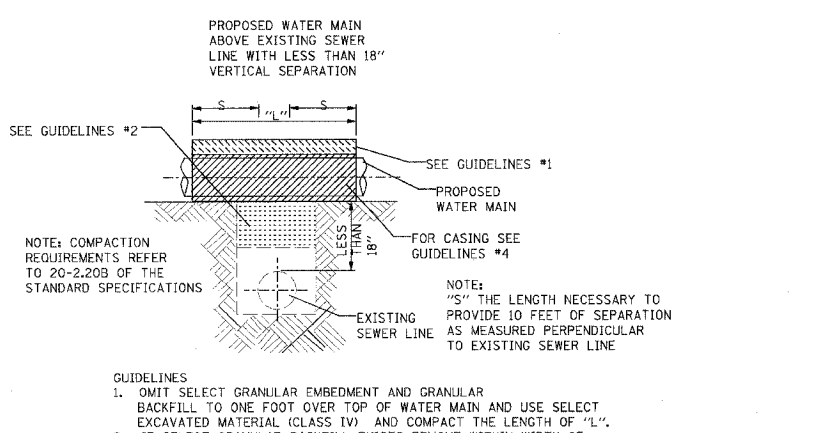
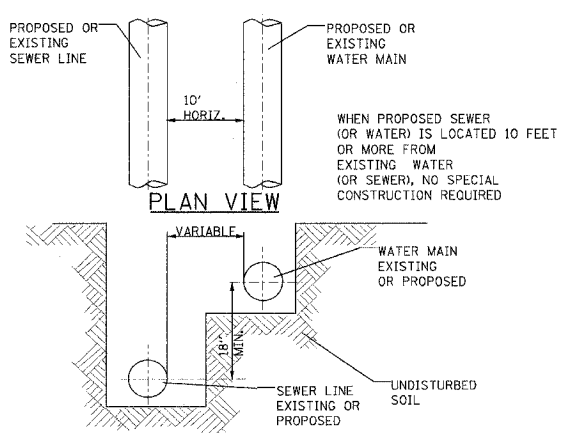
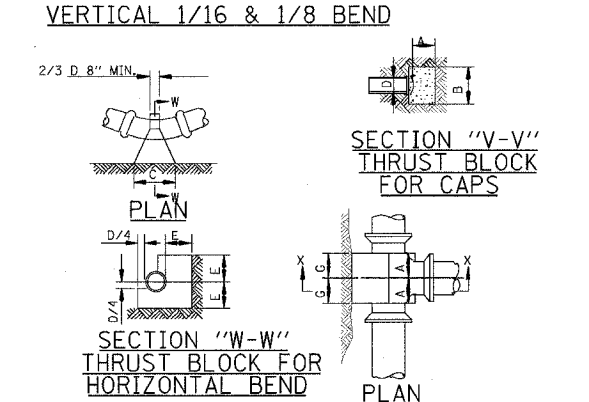
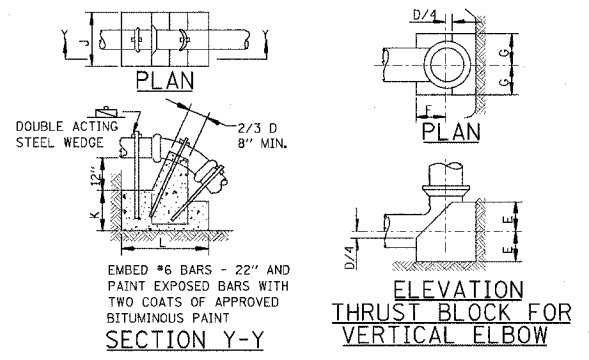
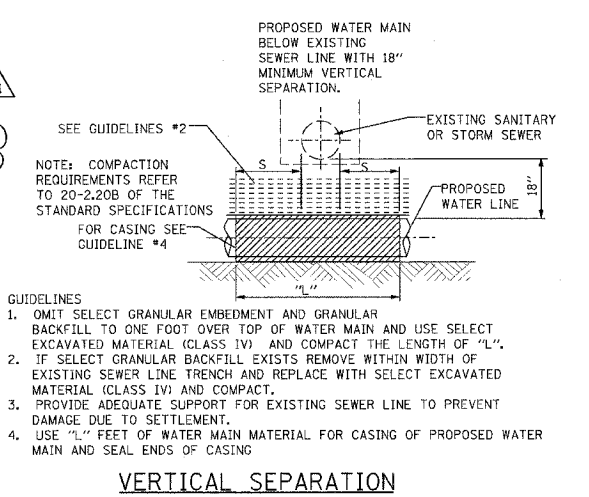
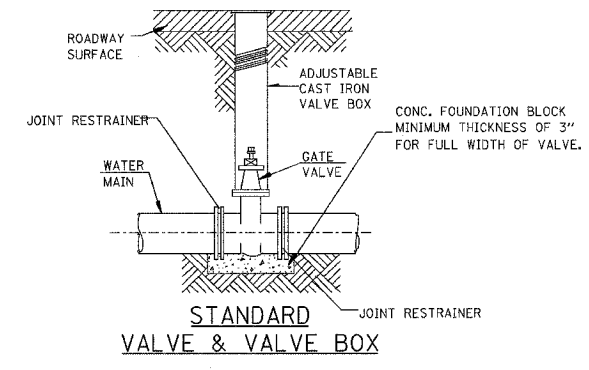
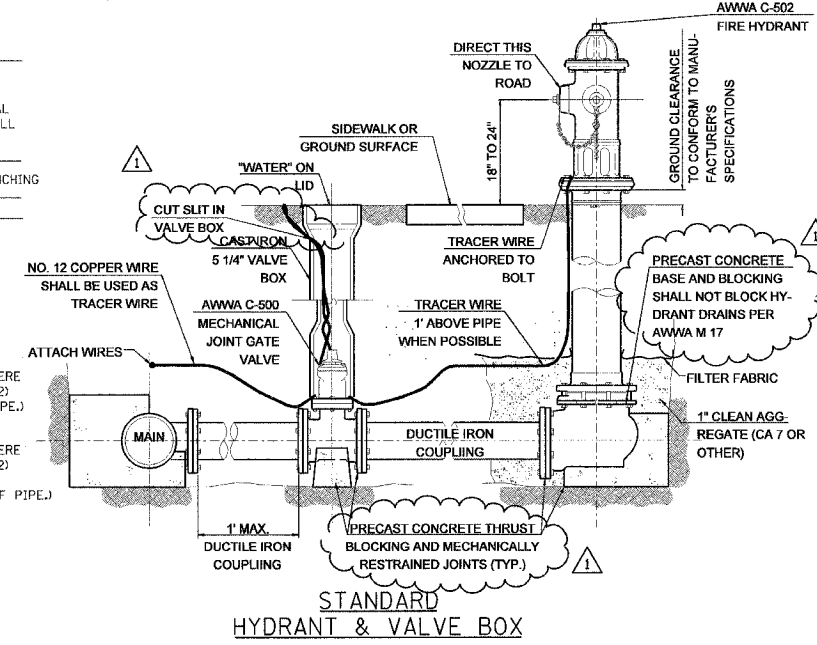
- METHOD OF INSTALLATION, MATERIAL, CONSTRUCTION, AND OTHER ITEMS NECESSARY TO COMPLETE THE WORK AS SHOWN HERE IN SHALL CONFORM TO THE REQUIREMENTS OF THE "STANDARD SPECIFICATION FOR WATER AND SEWER MAIN CONSTRUCTION (ION ILLINOIS) FIFTH EDITION, MAY 1998.
- TRENCH BOX SHALL NOT EXTEND BELOW TOP OF PIPE UNLESS OTHERWISE SPECIFIED.
- WATERMAIN & CASING PIPE SHALL BE AWWA C900, DR18, PVC WITH GASKETED PUSH ON JOINTS PER ASTM D3139 UNLESS NOTED OTHERWISE. CASING SPACERS TO BE USED IN ALL CASING AT THE SPACING RECOMMENDED BY MANUFACTURER.
- GRANULAR CRADLE SHALL BE PER ASTM D2321 CASE III WITH A MAXIMUM SIZE OF 0.50 INCH. ALL FITTINGS SHALL BE DUCTILE IRON.
- WATERMAIN SHALL BE DISINFECTED PER STANDARD SPEC. 41-2.13 EXCEPT TABLET DISINFECTION WILL NOT BE ALLOWED.
- ALL VALVE BOXES SHALL BE 5", CAST IRON WITH CAST IRON COVERS INDICATING "WATER".
- GATE VALVES SHALL BE MUELLER RESILIENT SEAT MEETING THE REQUIREMENTS OF AWWA C509 WITH MECHANICAL JOINTS.
- FIRE HYDRANTS SHALL BE MUELLER SUPER CENTURION. NOZZLES SHALL HAVE CITY'S THREADS. FLUSHING HYDRANTS SHALL BE MUELLER 2. 0.125 INCH FLUSH HYDRANTS.
- PIPE SHALL BE PRESSURE TESTED AT A HYDROSTATIC PRESSURE OF 100 PSI. THE DURATION OF THE PRESSURE TEST SHALL BE NOT LESS THAN FOUR(4) HOURS.
- NO. 12 COPPER WIRE SHALL BE INSTALLED ALONG TOP OF WATERLINE.
- UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION AND THEIR TRUE LOCATION IS NOT GUARANTEED TO BE SHOWN ON PLANS OR AS SHOWN ON PLANS. CALL J.U.L.I.E. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING. EXISTING UTILITY SERVICES AS INCLUDED IN THE PAY ITEM TO BE CONSTRUCTED TO THE CONTRACT. THE CONTRACTOR SHOULD ADJUST DEPTH AS NECESSARY TO AVOID EXISTING UTILITIES AND PROVIDE EXTENSIONS FOR VALVE BOXES, HYDRANTS, ETC. AS NECESSARY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK.
- MINIMUM DEPTH OF WATERMAIN SHALL BE 3'-6" TO THE TOP OF PIPE UNLESS OTHERWISE NOTED.
- ALL FITTINGS SHALL BE RESTRAINED WITH PRECAST CONCRETE THRUST BLOCK, UNLESS NOTED OTHERWISE. ALL VALVES SHALL BE RESTRAINED WITH MECHANICAL RESTRAINERS. NON BLOCKED RESTRAINED JOINT FITTINGS SHALL BE EBAA MECHANICAL JOINT RESTRAINT GLANDS.
- EROSION CONTROL PRACTICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, 1995 AS AMENDED. IT WAS PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES, CONSERVATION SERVICES.
- ALL EXCAVATION SHALL BE KEPT DEWATERED DURING CONSTRUCTION OPERATIONS UNTIL BACKFILL IS IN PLACE.
- CONSTRUCTION OPERATIONS WILL BE REQUIRED ADJACENT TO PRIVATE PROPERTY. THE OWNER DOES NOT AND WILL NOT ASSUME RESPONSIBILITY FOR ANY DAMAGE TO PRIVATE PROPERTY. CLEANUP OF CONSTRUCTION AREAS IS CONSIDERED TO BE AN ESSENTIAL AND INCLUDED IN THE COST OF CONSTRUCTED PAY ITEM.
- ALL WORK BY CITY BORER PAY QUANTITIES DO NOT APPLY.

D	A	B	C	E	F	G	H	J	K	L
4" & 6"	8"	11"	1'-3"	8"	8"	8"	3"	2'-6"	2'-6"	3'-0"
8"	9"	1'-2"	1'-8"	9"	10"	9"	3"	3'-0"	2'-9"	4'-0"
10"	10"	1'-6"	2'-1"	10"	1'-0"	1'-0"	3"	4'-0"	3'-0"	4'-6"
12"	1'-0"	1'-8"	2'-6"	11"	1'-3"	1'-0"	3"	4'-6"	3'-6"	4'-9"
16"	1'-2"	2'-4"	3'-4"	1'-3"	1'-8"	1'-4"	4"	5'-2"	4'-0"	6'-6"
20"	1'-3"	3'-0"	4'-2"	1'-6"	2'-1"	1'-9"	4"	5'-6"	4'-9"	8'-0"
24"	1'-4"	3'-6"	5'-0"	1'-8"	2'-6"	2'-0"	5"	6'-0"	5'-6"	9'-6"

MINIMUM REQUIRED BEARING DIMENSIONS.



- TRENCHING DETAIL**
- NOTE: MAX PAY LIMITS DECREASE BY 1 FT. IF SHORING IS NOT USED
- MAXIMUM PAY LIMITS
 - MINIMUM PAY LIMITS
 - BEDDING: CA 15, CA 16, CM 15, OR CM 16 REQUIRED IN ALL LOCATIONS WHERE THE EDGE OF THE WATERMAIN TRENCH IS LOCATED WITHIN TWO (2) FEET OF A PERMANENT SURFACE. (INCLUDED IN THE COST OF PIPE.)
 - HAUNCHING: CA 15, CA 16, CM 15, OR CM 16 REQUIRED IN ALL LOCATIONS WHERE THE EDGE OF THE WATERMAIN TRENCH IS LOCATED WITHIN TWO (2) FEET OF A PERMANENT SURFACE. CASE I BACKFILL FREE FROM ORGANICS AT ALL OTHER LOCATIONS. (INCLUDED IN THE COST OF PIPE.)
 - INITIAL BACKFILL: CA 7 REQUIRED IN ALL LOCATIONS WHERE THE EDGE OF THE WATERMAIN TRENCH IS LOCATED WITHIN TWO (2) FEET OF A PERMANENT SURFACE. CASE I BACKFILL FREE FROM ORGANICS AT ALL OTHER LOCATIONS. (INCLUDED IN THE COST OF PIPE.)
 - FINAL BACKFILL: CA 7 REQUIRED IN ALL LOCATIONS WHERE THE EDGE OF THE WATERMAIN TRENCH IS LOCATED WITHIN TWO (2) FEET OF A PERMANENT SURFACE EXCEPT TOP 12" TO BE CA-6. CASE I BACKFILL FREE FROM ORGANICS AT ALL OTHER LOCATIONS. (ELIGIBLE FOR PAYMENT)



NAME	DATE
JAW	4-13-07

REVISED (4-13-07)

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL WATER DETAILS

SCALE: VERT. HORIZ.

DATE

DRAWN BY KOJ

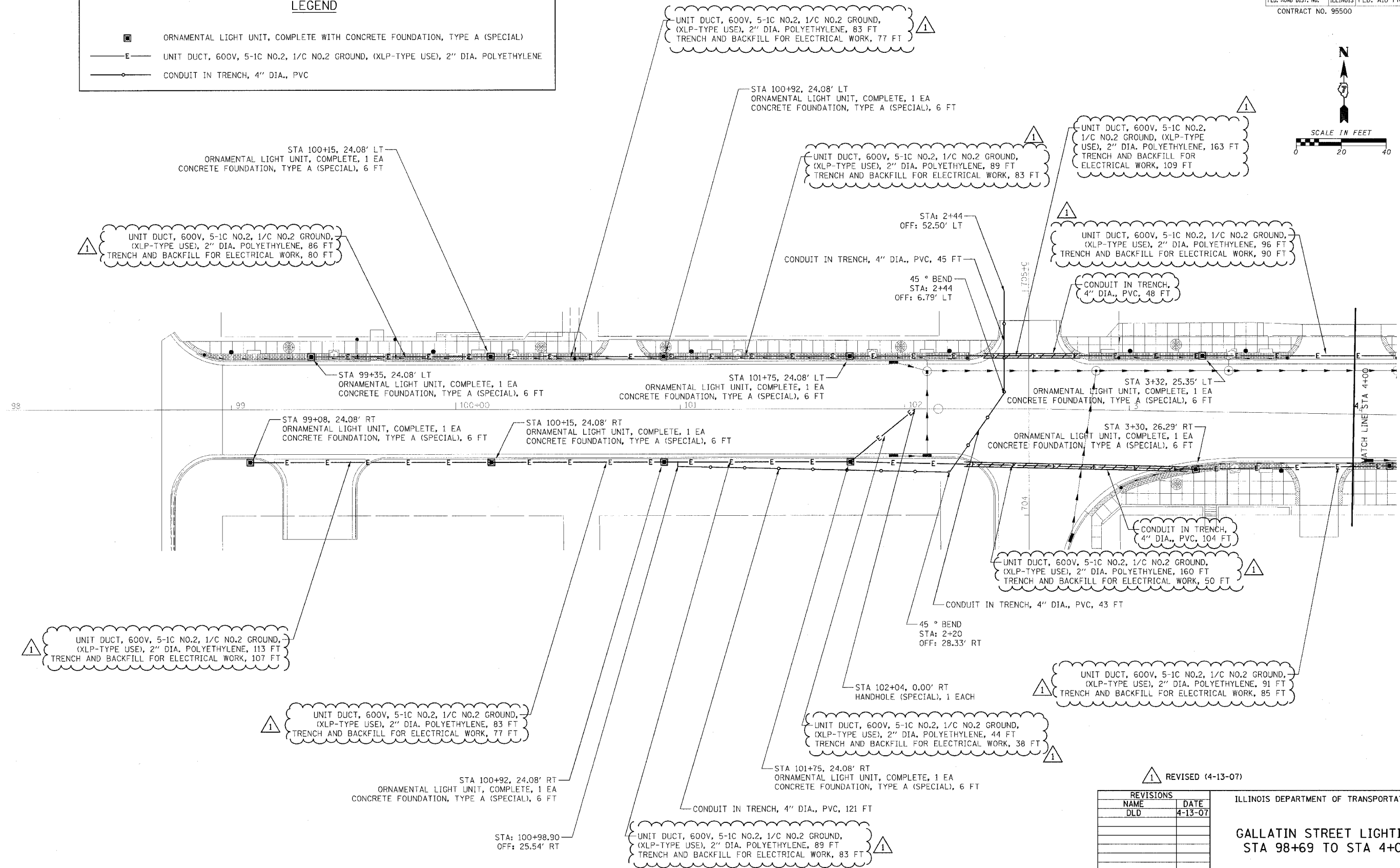
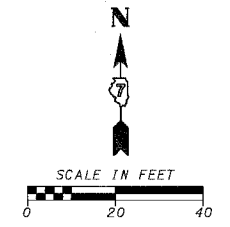
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CADD FILE: /4812/W_detailed.dgn
PLOTTED: 4/16/2007

Revised 4-17-07

F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8419	99-00048-01-PV	FAYETTE	142	94
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 95500				

LEGEND	
	ORNAMENTAL LIGHT UNIT, COMPLETE WITH CONCRETE FOUNDATION, TYPE A (SPECIAL)
	UNIT DUCT, 600V, 5-1C NO.2, 1/C NO.2 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE
	CONDUIT IN TRENCH, 4" DIA., PVC



1 REVISED (4-13-07)

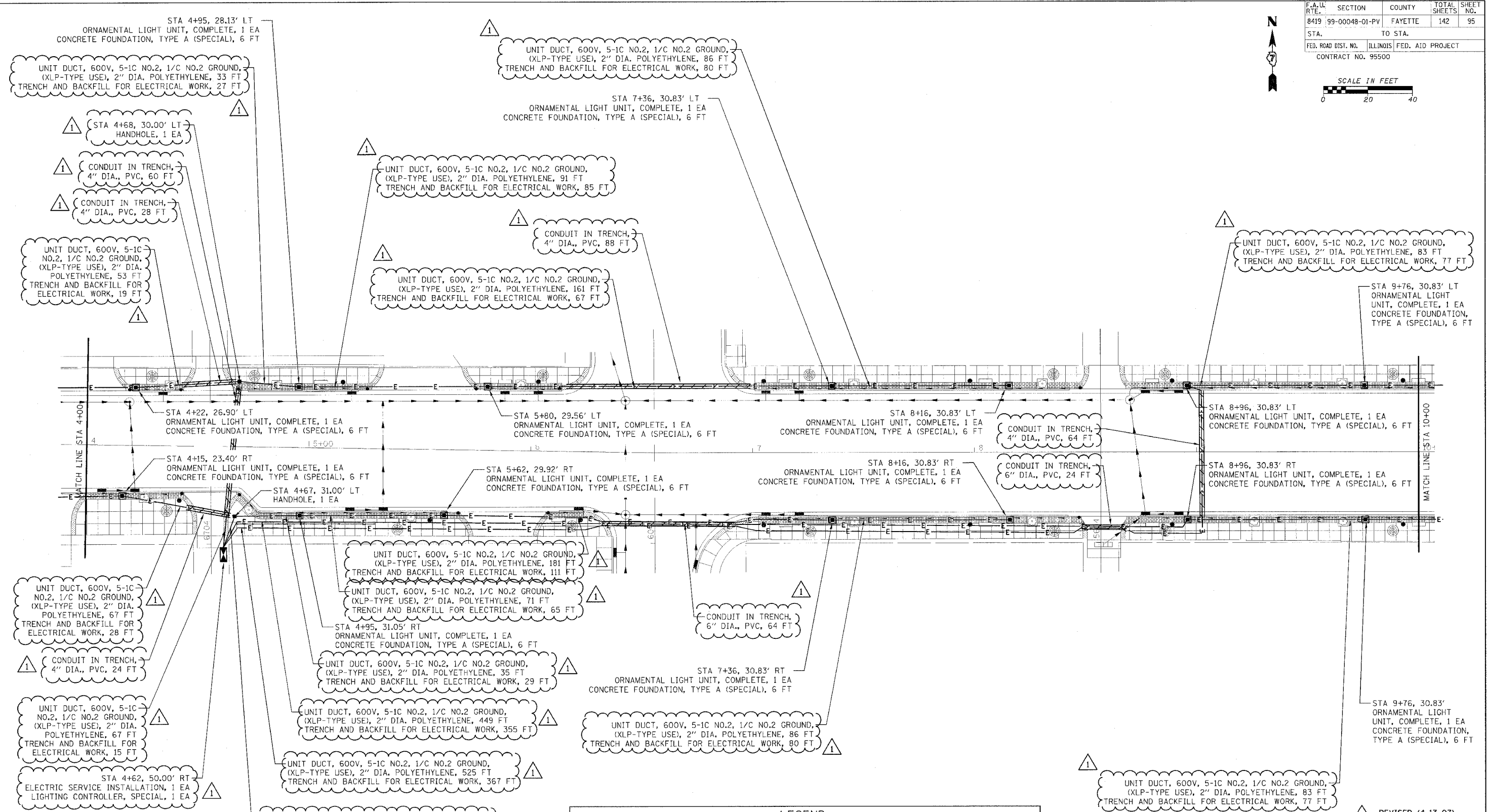
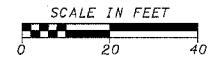
REVISIONS	
NAME	DATE
DLD	4-13-07

ILLINOIS DEPARTMENT OF TRANSPORTATION
GALLATIN STREET LIGHTING
 STA 98+69 TO STA 4+00
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY KOJ
 CHECKED BY BWC

CADD FILE: /4812/Lighting_Gallatin_01A.dgn
 PLOTTED: 4/16/2007

Revised 4-17-07

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8419	99-00048-01-PV	FAYETTE	142	95
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 95500				



LEGEND	
	ORNAMENTAL LIGHT UNIT, COMPLETE WITH CONCRETE FOUNDATION, TYPE A (SPECIAL)
	UNIT DUCT, 600V, 5-1C NO.2, 1/C NO.2 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE
	CONDUIT IN TRENCH, 2" DIA., PVC
	CONDUIT IN TRENCH, (4" OR 6") DIA., PVC

REVISIONS	
NAME	DATE
DLD	4-13-07

ILLINOIS DEPARTMENT OF TRANSPORTATION

**GALLATIN STREET LIGHTING
STA 4+00 TO STA 10+00**

SCALE: VERT. _____
HORIZ. _____

DATE _____

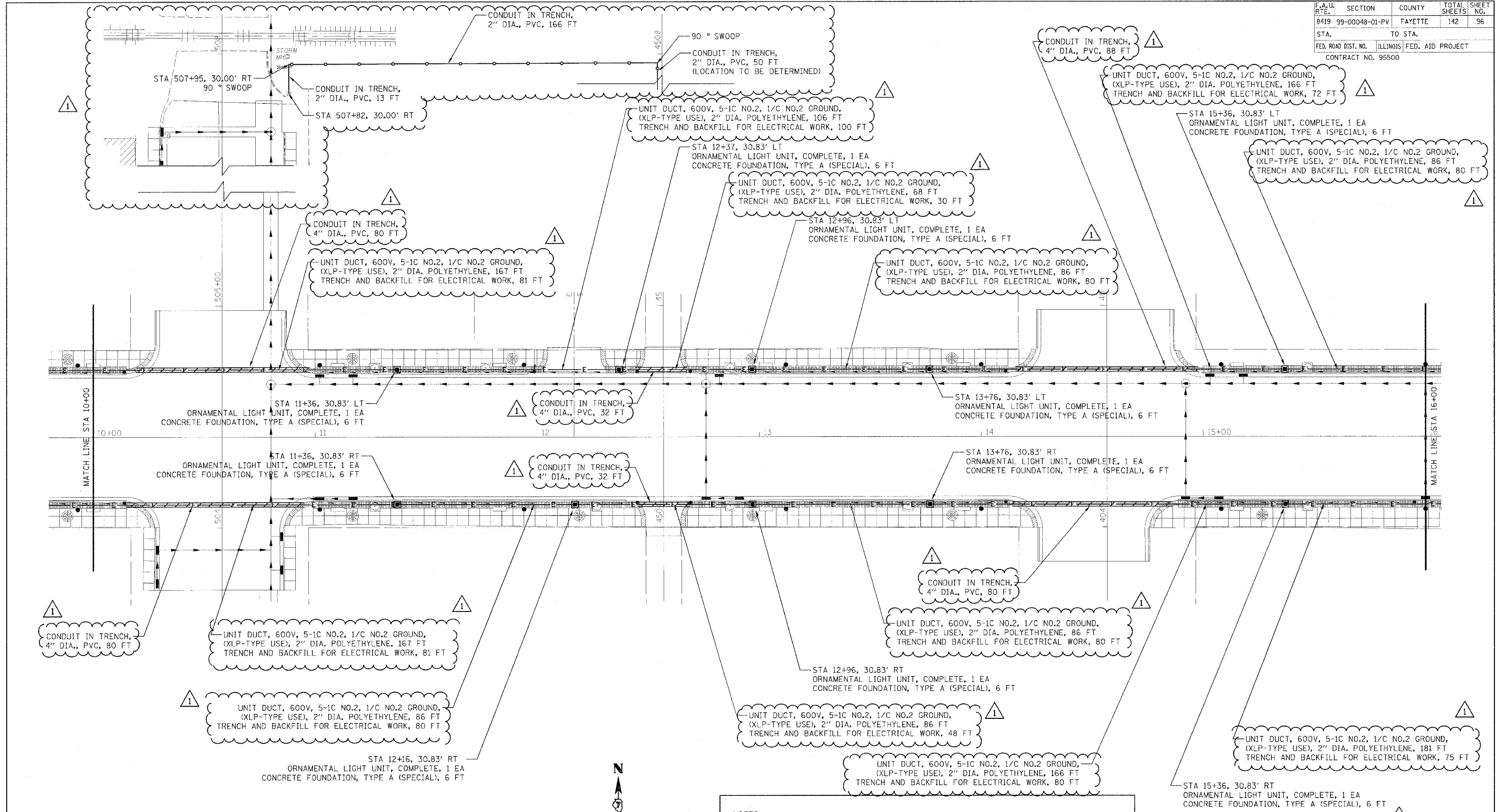
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CHECKED BY BWC

Revised 4-17-07

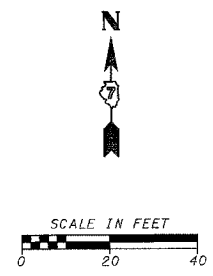
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PLOTTED: 4/16/2007

H.M. & G. INC. 4812

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8419	99-00048-01-PV	FAYETTE	142	96
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 95500				



	ORNAMENTAL LIGHT UNIT, COMPLETE WITH CONCRETE FOUNDATION, TYPE A (SPECIAL)
	UNIT DUCT, 600V, 5-1C NO.2, 1/C NO.2 GROUND, (XLP-TYPE USE), 2\" DIA. POLYETHYLENE
	CONDUIT IN TRENCH, 2\" DIA., PVC
	CONDUIT IN TRENCH, 4\" DIA., PVC



NOTES:
 THE CONTRACTOR WILL BE REQUIRED TO RECONNECT THE EXISTING WIRING IN EACH HANDHOLE AFTER REMOVAL OF EXISTING LIGHTING UNIT AS TO CONTINUE SERVICE.
 THE CONTRACTOR SHALL NOTIFY MARY COLE, SITE SUPERINTENDENT OF THE VANDALIA STATE HOUSE STATE HISTORIC SITE, ONE (1) WEEK PRIOR TO REMOVING EXISTING LIGHTING. SAID AGENCY MAY ELECT TO LEAVE EXISTING LIGHTING IN PLACE.
 ILLINOIS HISTORIC PRESERVATION AGENCY
 315 WEST GALLATIN, VANDALIA, ILLINOIS
 PHONE: 1-618-283-1161

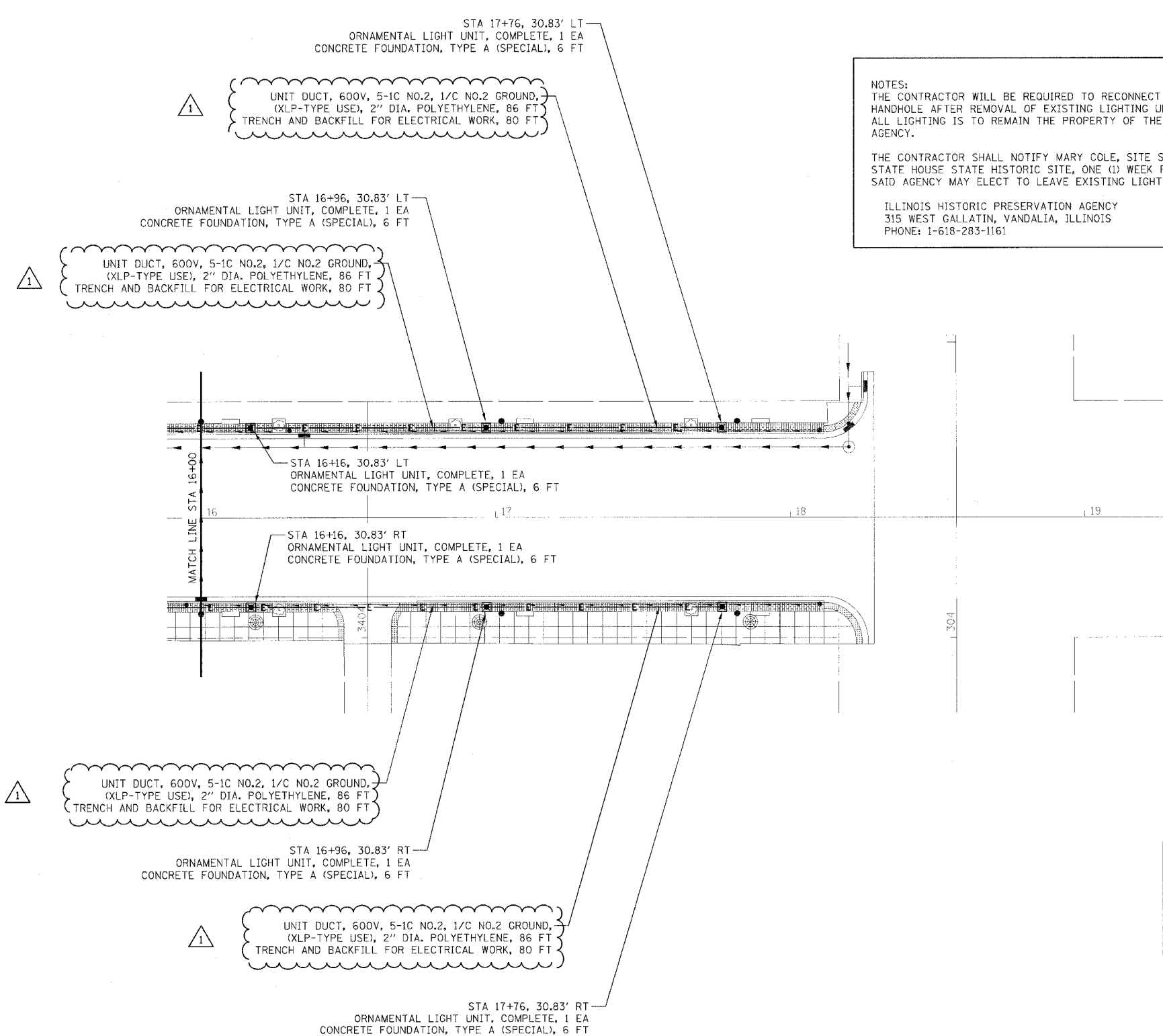
NAME	DATE
DLD	4-13-07

ILLINOIS DEPARTMENT OF TRANSPORTATION
**GALLATIN STREET LIGHTING
 STA 10+00 TO STA 16+00**
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY KOJ
 CHECKED BY BWC

CADD FILE: /4812/Lighting_Gallatin.dwg
 PLOTTED: 4/16/2007

H.M. & G. NO. 4812

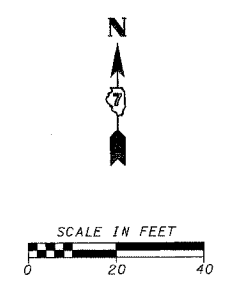
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B419	99-00048-01-PV	FAYETTE	142	97
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 95500				



NOTES:
 THE CONTRACTOR WILL BE REQUIRED TO RECONNECT THE EXISTING WIRING IN EACH HANDHOLE AFTER REMOVAL OF EXISTING LIGHTING UNIT AS TO CONTINUE SERVICE. ALL LIGHTING IS TO REMAIN THE PROPERTY OF THE ILLINOIS HISTORIC PRESERVATION AGENCY.

THE CONTRACTOR SHALL NOTIFY MARY COLE, SITE SUPERINTENDENT OF THE VANDALIA STATE HOUSE STATE HISTORIC SITE, ONE (1) WEEK PRIOR TO REMOVING EXISTING LIGHTING. SAID AGENCY MAY ELECT TO LEAVE EXISTING LIGHTING IN PLACE.

ILLINOIS HISTORIC PRESERVATION AGENCY
 315 WEST GALLATIN, VANDALIA, ILLINOIS
 PHONE: 1-618-283-1161



LEGEND	
	ORNAMENTAL LIGHT UNIT, COMPLETE WITH CONCRETE FOUNDATION, TYPE A (SPECIAL)
	UNIT DUCT, 600V, 5-1C NO.2, 1/C NO.2 GROUND, (XLP-TYPE USE), 2\"/>

REVISED (4-13-07)

REVISIONS	
NAME	DATE
DLD	4-13-07

ILLINOIS DEPARTMENT OF TRANSPORTATION

**GALLATIN STREET LIGHTING
 STA 16+00 TO STA 18+28.50**

SCALE: VERT. _____
 HORIZ. _____

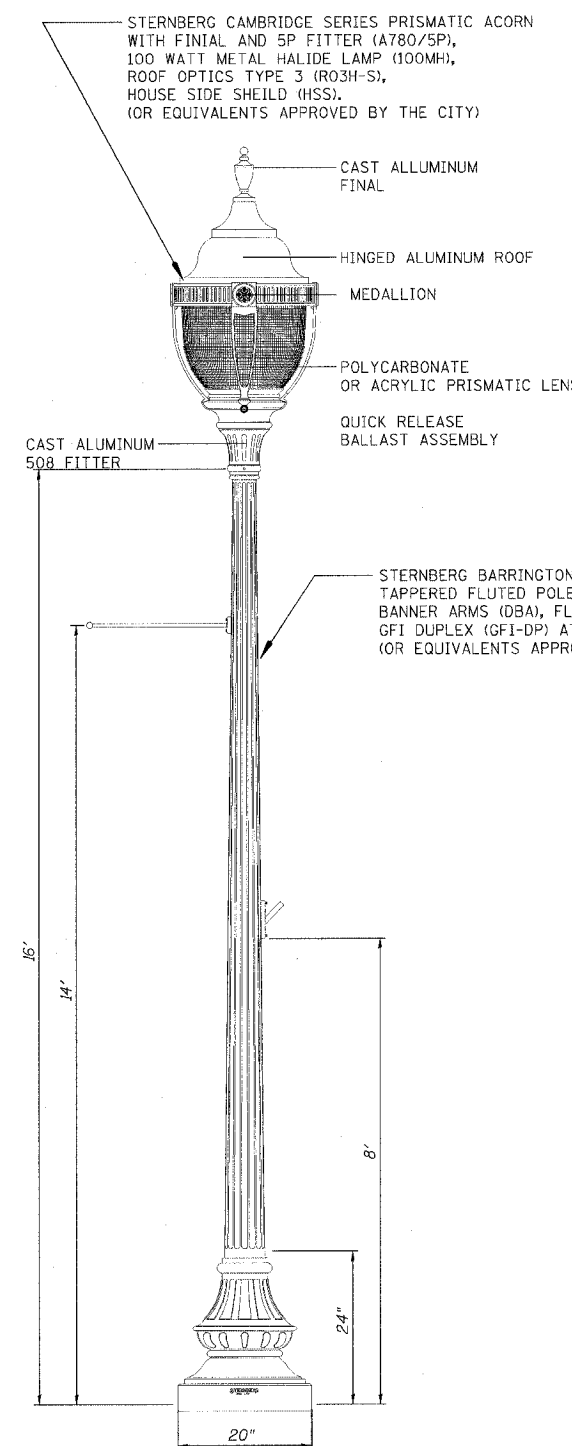
DATE _____

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 CHECKED BY BWC

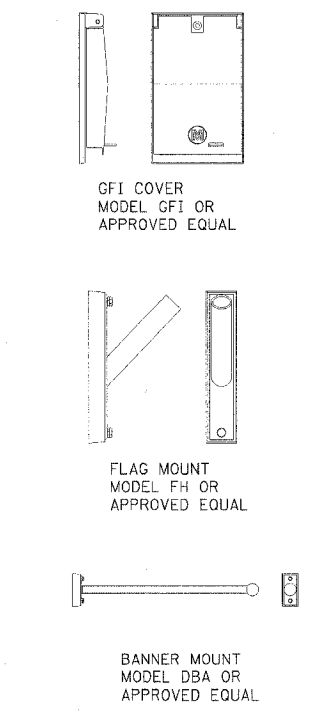
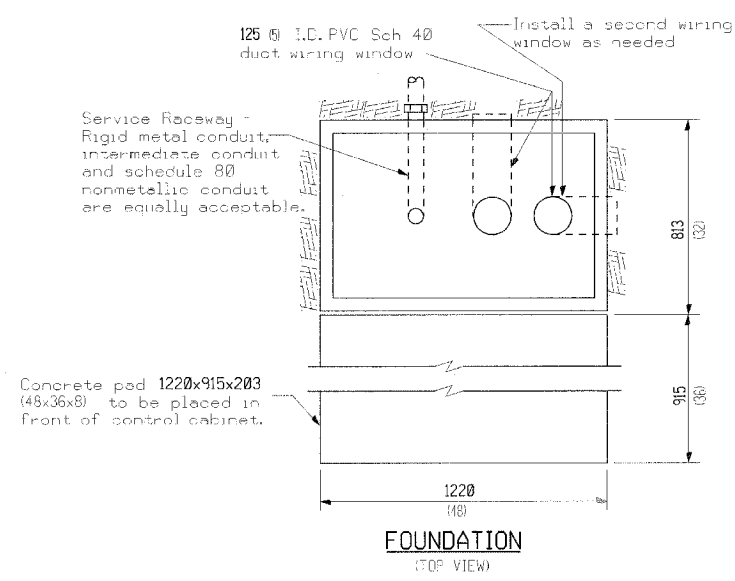
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 PLOTTED: 4/16/2007

H.M. & G. INC. 4812

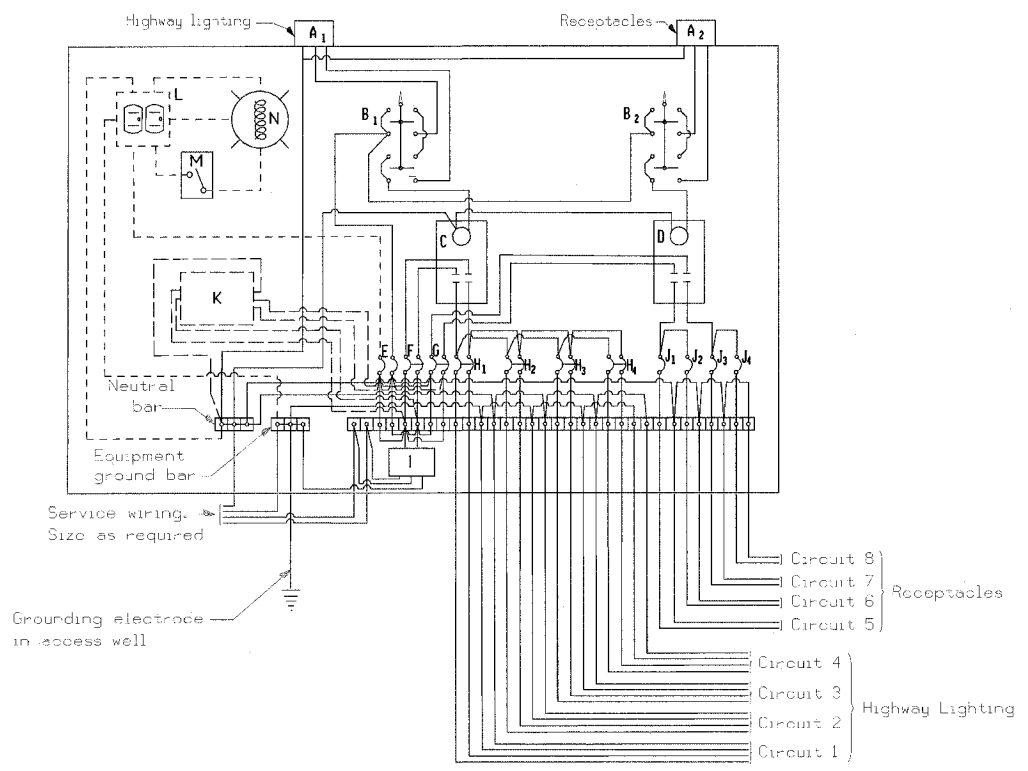
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8419	99-00048-01-PV	FAYETTE	142	98
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		CONTRACT NO. 95500		



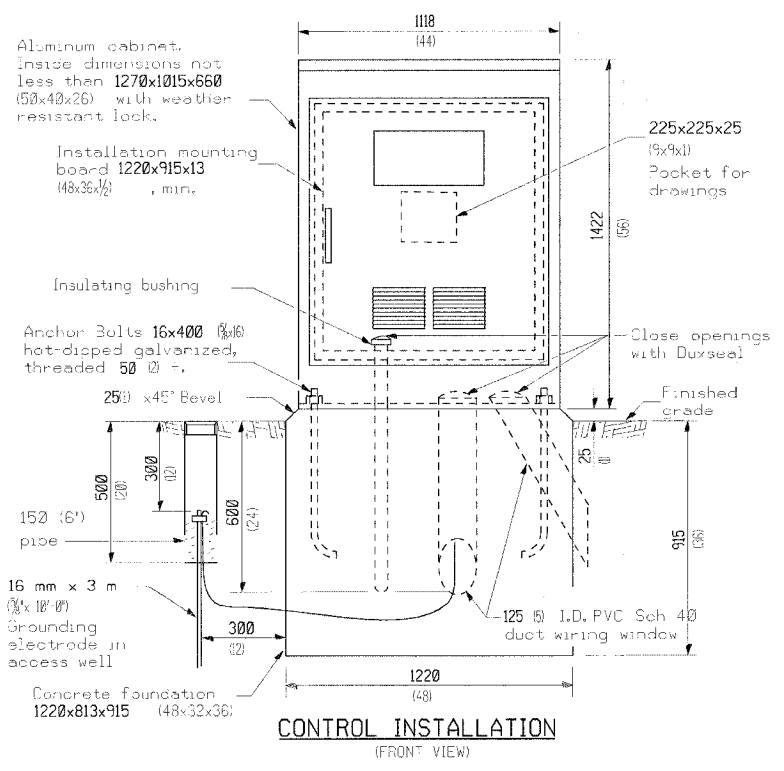
VINTAGE STYLE STREET LIGHT ON BLACK ORNAMENTAL POLE
 POLE MUST BE IN ACCORDANCE WITH ASHTO LOADING REQUIREMENTS AS REFERENCED IN SEL 830 OF THE STANDARD SPECIFICATIONS



LIGHT POLE ACCESSORIES



LIGHTING CONTROLLER SCHEMATIC



CONTROL INSTALLATION
(FRONT VIEW)

GENERAL NOTES

- Wiring shall be panel board fashion. All bends shall be right angles. All runs shall be vertical or parallel to panel board. Wires shall be grouped or laced.
- All control installation components shall be U.L. listed.
- Label equipment ground and neutral.
- The underground service entrance wiring shall not exceed 46 m (150'). Total aerial and underground service between the control installation and primary transformer shall not exceed 76 m (250').
- Raceways shall terminate 75 (3) above top of concrete foundation.
- For 480 V service, a step down transformer (dashed lines) is required.
- Two (2) spare branch breakers are required but are not shown.
- All dimensions are in millimeters (inches) unless otherwise shown.

1 REVISED (4-13-07)

REVISIONS	
NAME	DATE
OLD	4-13-07

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

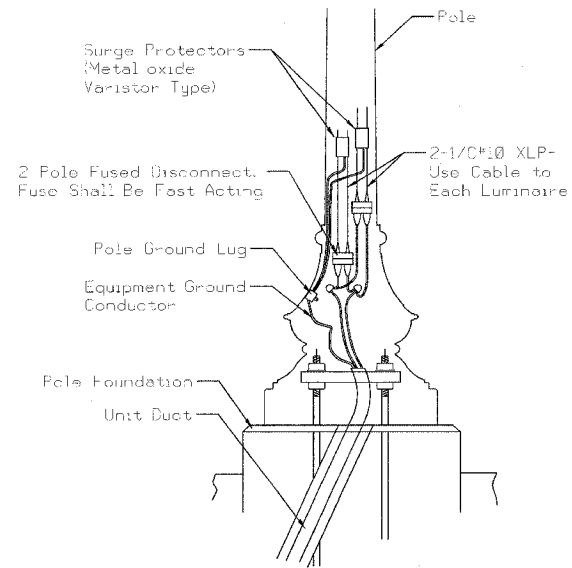
SCALE: VERT. HORIZ.
DATE

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CADD FILE: 4812/DW/LightingA.dgn
 PLOTTED: 4/16/2007

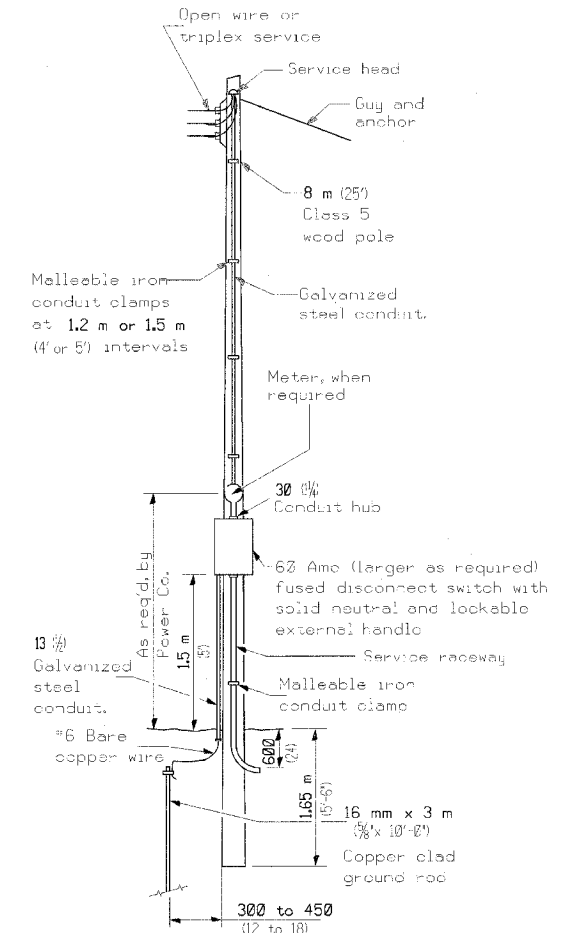
F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0419	99-00048-01-PV	FAYETTE	142	98b
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 95500				

LIGHT POLE MOUNTING HEIGHT	BOLT CIRCLE DIAMETER	CONCRETE FOUNDATION		
		SHAFT DIAMETER	SHAFT DEPTH	ANCHOR ROD LENGTH
9.1 m (30')	406 (16)	762 (30)	1.83 m (6'-0")	1.75 m (5'-9")

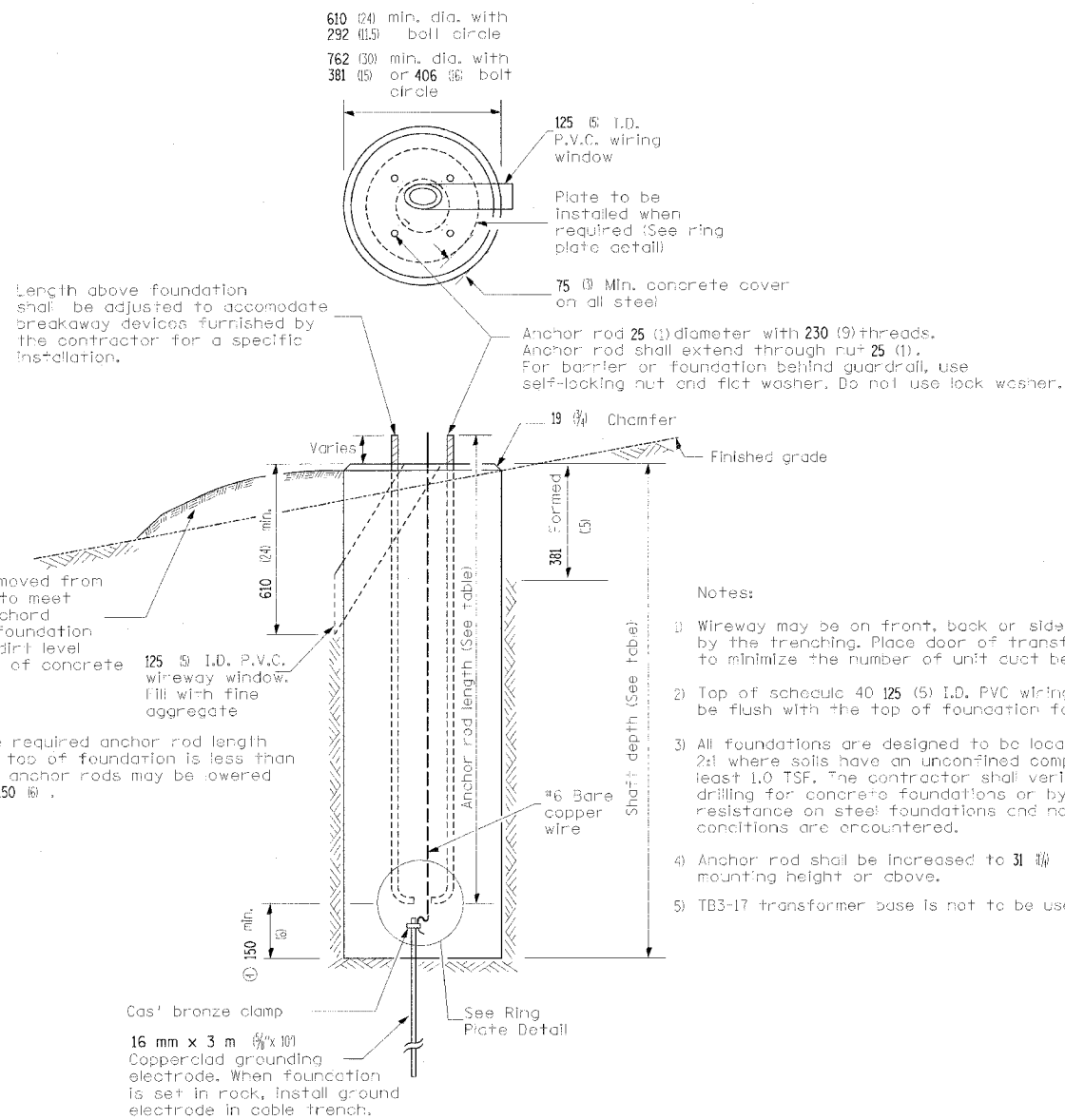


POLE BASE MOUNTING & WIRING

- A. Neutral pole of fused disconnect shall have an insert.
- B. Receptacle shall be connected in similar fashion, using fused disconnect with an insert.



SERVICE POLE



CONCRETE FOUNDATION
TYPE A (SPECIAL)

Notes:

- 1) Wireway may be on front, back or side of foundation as required by the trenching. Place door of transformer base on wireway side to minimize the number of unit duct bends.
- 2) Top of schedule 40 125 (5) I.D. PVC wiring window, shall be flush with the top of foundation for drainage.
- 3) All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSF. The contractor shall verify the soil strength during drilling for concrete foundations or by monitoring installation resistance on steel foundations and notify the engineer if other conditions are encountered.
- 4) Anchor rod shall be increased to 31# diameter for 15.24 (50') mounting height or above.
- 5) TB3-17 transformer base is not to be used on metal foundation

1 REVISED (4-13-07)

REVISIONS	
NAME	DATE
DLD	4-13-07

ILLINOIS DEPARTMENT OF TRANSPORTATION







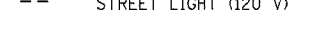
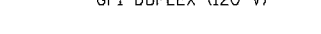
LIGHTING DETAILS

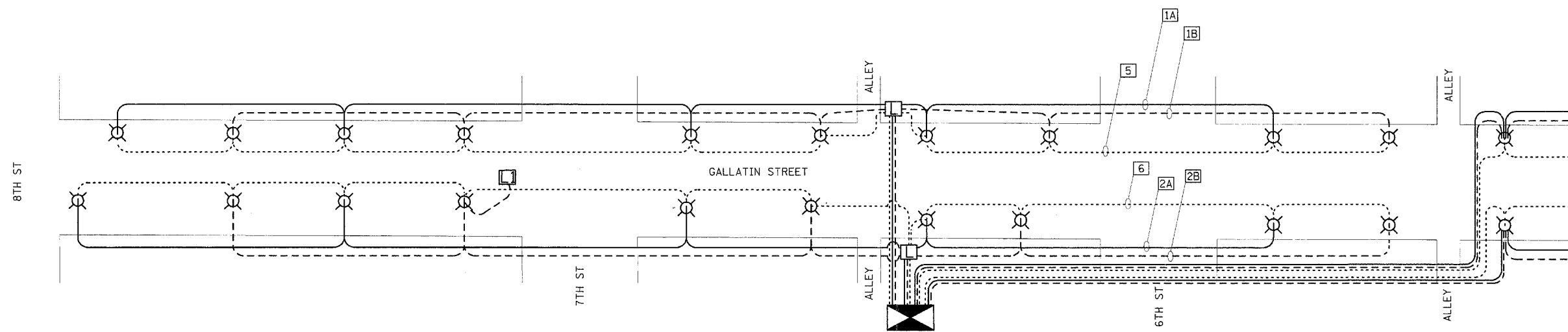
SCALE: VERT. HORIZ. DATE

DRAWN BY KOJ CHECKED BY BWC

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8419	99-00048-01-PV	FAYETTE	142	99
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 95500				

LIGHTING LEGEND

-  CONTROLLER
-  LUMINAIRE
-  HANDHOLE
-  HANDHOLE (SPECIAL)
-  CIRCUIT DESIGNATION
-  STREET LIGHT (120 V)
-  STREET LIGHT (120 V)
-  GFI DUPLEX (120 V)

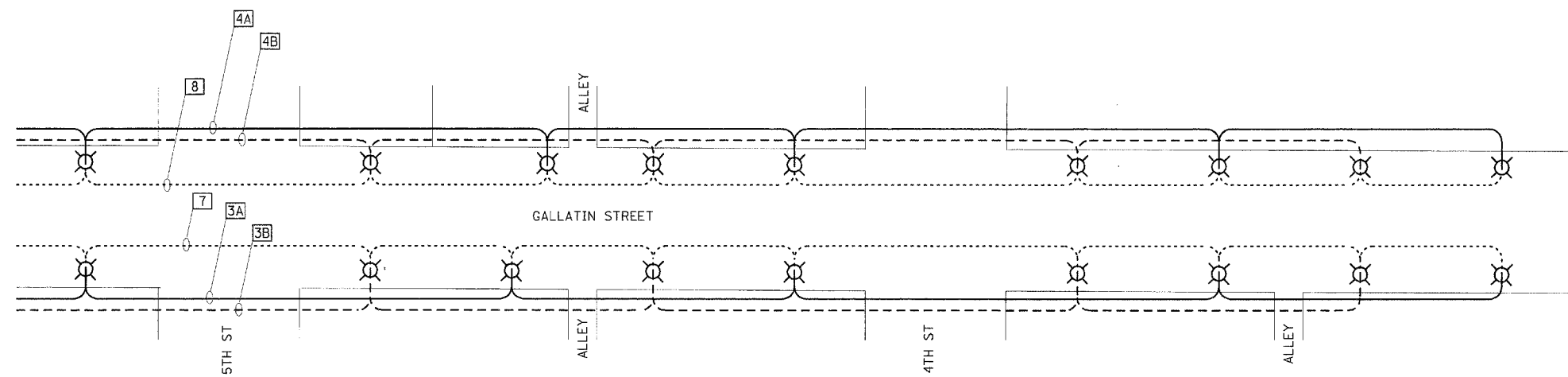


LIGHTING ELECTRICAL PLAN (WEST)

NOTES:
 THE CONTRACTOR WILL BE REQUIRED TO RECONNECT THE EXISTING WIRING IN EACH HANDHOLE AFTER REMOVAL OF EXISTING LIGHTING UNIT AS TO CONTINUE SERVICE. ALL LIGHTING IS TO REMAIN THE PROPERTY OF THE ILLINOIS HISTORIC PRESERVATION AGENCY.

THE CONTRACTOR SHALL NOTIFY MARY COLE, SITE SUPERINTENDENT OF THE VANDALIA STATE HOUSE STATE HISTORIC SITE, ONE (1) WEEK PRIOR TO REMOVING EXISTING LIGHTING. SAID AGENCY MAY ELECT TO LEAVE EXISTING LIGHTING IN PLACE.

ILLINOIS HISTORIC PRESERVATION AGENCY
 315 WEST GALLATIN, VANDALIA, ILLINOIS
 PHONE: 1-618-283-1161



LIGHTING ELECTRICAL PLAN (EAST)

LIGHTING SCHEDULE OF QUANTITIES:		
PAY ITEM	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
HANDHOLE	EACH	2
HANDHOLE (SPECIAL)	EACH	1
UNIT DUCT, 600V, 5-1C NO.2, 1/C NO.2 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE	FOOT	4928
CONDUIT IN TRENCH, 2" DIA. PVC	FOOT	229
CONDUIT IN TRENCH, 4" DIA. PVC	FOOT	1017
CONDUIT IN TRENCH, 6" DIA. PVC	FOOT	88
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	3590
LIGHTING CONTROLLER TYPE CB-RCS 100AMP - 240VOLT	EACH	1
CONCRETE FOUNDATION, TYPE A (SPECIAL)	FOOT	240
ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	40

NOTES:

THE SYSTEM IS COMPRISED OF EIGHT (8) CIRCUITS. FOUR (4) FOR THE GFI RECEPTACLES AND FOUR (4) FOR THE STREET LIGHTING. EACH STREET LIGHTING CIRCUIT WILL BE TWO PHASE WITH EACH SEQUENTIAL POLE CONNECTED TO ALTERNATING PHASES.

EXISTING OVERHEAD LIGHTING TO BE REMOVED BY OTHERS.

REVISIONS	
NAME	DATE
DLD	4-13-07

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

SCALE: VERT. DATE
 HORIZ.

DRAWN BY KOJ
 CHECKED BY BWC

1 REVISED (4-13-07)

CADD FILE: 4812/01_Lighting_2.dwg
 PLOTTED: 4/17/2007

H.M. & G. NO. 4832