	Pay Item Number	Item	Plan Quantity	Unit	
		SUMMARY OF QUANTITIES			
	20100110	Tree Removal (6-15 Units Diameter)	50	UNIT	
	20100210	Tree Removal (Over 15 Units Diameter)	372	UNIT	
	20200100	Earth Excavation	13,540	CU YD	
	20201200	Removal and Disposal of Unsuitable Material	18,299	CU YD	
*	20800250	Trench Backfill, Special	701	CU YD	◇2
△	25000210	Seeding, Class 2A	4.90	ACRE	
△	25100125	Mulch, Method 3	4.90	ACRE	
△	25100630	Erosion Control Blanket	390.00	SQ YD	
	25200110	Sodding, Salt Tolerant	709.00	SQ YD	
*	28000250	Temporary Erosion Control Seeding	533.0	POUND	◇2
	28000400	Perimeter Erosion Barrier	6,690	FOOT	◇2
	28000500	Inlet and Pipe Protection	95	EACH	
	35101800	Aggregate Base Course, Type B 6"	3110	SQ YD	◇2
	35501290	Hot-Mix Asphalt Base Course, 3"	21,735	SQ YD	◇2
	40200500	Aggregate Surface Course, Type A, 6"	120	SQ YD	
	40603080	Hot-Mix Asphalt Binder Course, IL-19.0, N50	3,470	TON	◇2
	40603310	Hot-Mix Asphalt Surface Course, Mix "C", N50	2,512	TON	◇2
	42300200	Portland Cement Concrete Diveway Pavement, 6 inch	165	SQ YD	
	42300400	Portland Cement Concrete Diveway Pavement, 8 inch	294	SQ YD	
	42400100	Portland Cement Concrete Sidewalk 4 inch	16848	SQ FT	◇2
	42400800	Detectable Warnings	344	SQ FT	◇2
	44000100	Pavement Removal	12181	SQ YD	
	44000500	Combination Curb and Gutter Removal	269	FOOT	
	44000600	Sidewalk Removal	56	SQ FT	
*	44001700	Combination Concrete Curb and Gutter Removal and Replacement	40	FOOT	◇2
	48101500	Aggregate shoulders, Type B 6"	419	SQ YD	
	54010602	Precast Concrete Box Culvert 6x2	114	FOOT	
	54010802	Precast Concrete Box Culvert 8x2	138	FOOT	
	54213669	Precast Reinforced Concrete Flared End Sections 24"	1	EACH	
	54214521	Precast Reinforced Concrete Flared End Sections, Equivalent Round-Size 36"	1	EACH	◇2
	54214527	Precast Reinforced Concrete Flared End Sections, Equivalent Round-Size 42"	1	EACH	◇2
*	54248160	Grating for Concrete Flared End Section Equivalent Round-Size 36"	1	EACH	◇2
*	54248170	Grating for Concrete Flared End Section Equivalent Round-Size 42"	1	EACH	◇2
	550A0050	Storm Sewers, Class A, Type 1 12"	1,970	FOOT	◇2
	550A0070	Storm Sewers, Class A, Type 1 15"	604	FOOT	
	550A0090	Storm Sewers, Class A, Type 1 18"	519	FOOT	
	550A0120	Storm Sewers, Class A, Type 1 24"	1,651	FOOT	
	550A0140	Storm Sewers, Class A, Type 1 30"	544	FOOT	
	550A0180	Storm Sewers, Class A, Type 1 42"	160	FOOT	◇2
	550A4500	Storm Sewers, Type 1, Equivalent Round-Size 36"	155	FOOT	◇2
	55034700	Storm Sewers, Type 1, Reinforced Concrete Elliptical Pipe, Span 53, Rise 34	384	FOOT	◇2
	55100100	Storm Sewer Removal 4"	15	FOOT	
	55100300	Storm Sewer Removal 8"	59	FOOT	
	55100400	Storm Sewer Removal 10"	13	FOOT	
	55100500	Storm Sewer Removal 12"	456	FOOT	
	55100700	Storm Sewer Removal 15"	669	FOOT	
	55100900	Storm Sewer Removal 18"	31	FOOT	
	56400300	Fire Hydrants to be Adjusted	1	EACH	
	60218300	Manholes, Type A, 4'-Diameter, Type 1 Frame, Open Lid	1	EACH	◇2
	60218400	Manholes, Type A, 4'-Diameter, Type 1 Frame, Closed Lid	12	EACH	◇2
	60218500	Manholes, Type A, 4'-Diameter, Type 3 Frame and Grate	1	EACH	
	60220230	Manholes, Type A, 4'-Diameter, with Special Frame and Grate	1	EACH	◇2
	60220240	Manholes, Type A, 4'-Diameter, with Special Frame, Closed Lid	2	EACH	◇2
	60221000	Manholes, Type A, 5'-Diameter, Type 1 Frame, Open Lid	1	EACH	
	60221100	Manholes, Type A, 5'-Diameter, Type 1 Frame, Closed Lid	2	EACH	◇2
	60221200	Manholes, Type A, 5'-Diameter, Type 3 Frame and Grate	3	EACH	
	60222940	Manholes, Type A, 5'-Diameter, with Special Frame, Closed Lid	1	EACH	◇2
	60223810	Manholes, Type A, 6'-Diameter, Type 3 Frame and Grate	2	EACH	
	60224090	Manholes, Type A, 6'-Diameter, with Special Frame and Grate	2	EACH	◇2
	60235700	Inlets, Type A, Type 3 Frame and Grate	42	EACH	
	60238630	Inlets, Type A, with Special Frame, Open Lid	5	EACH	◇2
	60240215	Inlets, Type B, Type 1 Frame, Closed Lid	1	EACH	
	60240220	Inlets, Type B, Type 3 Frame and Grate	35	EACH	
	60240385	Inlets, Type B, with Special Frame and Grate	1	EACH	◇2
	60255500	Manholes to be Adjusted	3	EACH	
	60266600	Valve Boxes to be Adjusted	2	EACH	
	60500060	Removing Inlets	7	EACH	
	60605000	Combination Concrete Curb and Gutter, Type B-6.24	7,849	FOOT	◇2
	60614600	Paved Ditch (Special)	168	FOOT	
	63301210	Removal and Reinstallation of Existing Steel Plate Beam Guard Rail, Type A	120	FOOT	◇2
	67100100	Mobilization	1.00	L SUM	
△*	70101700	Traffic Control and Protection	1.00	L SUM	
	72000100	Sign Panel - Type 1	40.00	SQ FT	
	72900110	Metal Post - Type A	7	EACH	
△	78000100	Thermoplastic Pavement Marking - Letters and Symbols	821.6	SQ FT	◇2
△	78000400	Thermoplastic Pavement Marking - Line 6"	15170.0	FOOT	◇2
△	78000600	Thermoplastic Pavement Marking - Line 12"	1,338	FOOT	◇2
△	78000650	Thermoplastic Pavement Marking - Line 24"	187	FOOT	
*	Z0001050	Aggregate Subgrade 12"	23,969	SQ YD	◇2
*	Z0076600	Trainees	500	HOUR	
*	XX000856	Mailbox Removal and Relocation	3	EACH	
*	X0322054	Remove Precast Reinforced Concrete Flared End Section	1	EACH	
*	X0323092	Headwall Removal	8	EACH	
*	X0324549	Precast Concrete Box Culvert End Section 8x2	2	EACH	
*	X0326316	Manholes, Type A, 8'-Diameter, Type 3 Frame and Grate	1	EACH	
*	X0504200	Concrete Headwall	1	EACH	
*	X0954600	Precast Concrete Box Culvert End Section 6x2	1	EACH	
*	X7240500	Relocate Existing Signs	12	EACH	

* See Special Provisions

△ Specialty Item

Construction Code I 000

◇2 Revised 4-19-10

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	59	3
CONTRACT NO. 87252				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* RONNIE GRAY DRIVE (6502)
MAPLE STREET (6512)

** 00-00054-00-FP

TYSON ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS
LAND SURVEYORS
DESIGN FIRM LICENSE #184-001136
367 SOUTH SCHUYLER AVENUE
KANKAKEE, ILLINOIS 60901
PHONE (815) 932-7406

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	10/30/09	MRG	PER IDOT REVIEW
2	4/9/10	MRG	ADDENDUM

SUMMARY OF QUANTITIES

PROJECT:

VILLAGE OF MANTENO

MAPLE STREET AND RONNIE GRAY DRIVE IMPROVEMENTS

MANTENO, ILLINOIS

SECTION
00-00054-00-FP

DATE:	9/25/09	JOB NO. E06030	
SCALE:	N/A	FILE NO.	
DRAWN BY:	MRG	SHEET	3
CHECKED BY:	SRM		

EROSION CONTROL SCHEDULE

LOCATION	EROSION CONTROL BLANKET (SQ YD)	TEMP. EROSION CONROL SEEDING (POUND)	PERIMETER EROSION BARRIER (FOOT)	INLET AND PIPE PROTECTION (EACH)
STA 17+10 TO 17+60 RT			105	
STA 17+10 TO 29+00 LT			1290	
STA 17+10 TO 36+00		174		
STA 17+40	373			
STA 20+80				4
STA 22+90				4
STA 23+83				3
STA 24+28				1
STA 24+55				5
STA 25+95				1
STA 29+20				4
STA 30+49				2
STA 31+00 TO 35+50 RT			475	
STA 31+10				4
STA 33+05				4
STA 34+65				2
STA 76+10 TO 79+50 RT			400	
STA 76+25 TO 108+85		299		
STA 79+15				2
STA 80+50				2
STA 80+50 TO 106+70 LT			2745	
STA 81+10				3
STA 82+40				2
STA 84+10				5
STA 86+90				4
STA 88+15				5
STA 89+70				3
STA 91+00				4
STA 92+90				4
STA 94+00				3
STA 95+45 TO 102+20 RT			675	
STA 95+65				2
STA 96+75				3
STA 98+50 RT	17			
STA 99+05				1
STA 101+00				4
STA 102+90				4
STA 104+00				4
STA 105+20				4
STA 107+00 LT				1
STA 107+50 RT				1
TOPSOIL SPOIL AREA		30	500	
EXCAVATION SPOIL AREA		30	500	
TOTAL	390	533	6690	95

SIDEWALK SCHEDULE

LOCATION	PORTLAND CEMENT CONCRETE SIDEWALK 4" (SQ FT)	DETECTABLE WARNINGS (SQ FT)
STA 24+18 TO 24+27 RT	45	8
STA 24+34 RT	80	8
STA 24+34 LT	90	8
STA 26+38 TO 26+69 RT	155	
STA 26+81 TO 29+52 RT	1355	
STA 30+24 TO 30+62 RT	305	16
STA 30+59 TO 34+14 LT	1775	8
STA 30+62 LT	40	8
STA 79+32 LT	20	8
STA 79+43 TO 79+55 LT	96	24
STA 80+42 LT	42	16
STA 80+67 RT	20	8
STA 80+67 LT	75	8
STA 80+79 TO 82+41 RT	1010	8
STA 82+78 TO 87+57 RT	2395	16
STA 84+27 TO 84+32 LT	40	16
STA 84+62 TO 84+67 LT	40	16
STA 87+16 LT	90	8
STA 87+16 RT	30	8
STA 87+33 TO 87+38 LT	40	16
STA 87+68 TO 87+73 LT	40	16
STA 87+93 TO 92+32 RT	2195	16
STA 92+68 TO 95+17 RT	1245	8
STA 95+41 TO 96+88 RT	735	
STA 95+98 RT	40	8
STA 95+98 LT	90	8
STA 96+18 TO 96+23 LT	40	16
STA 96+51 TO 96+56 LT	40	16
STA 97+12 TO 101+88 RT	2380	
STA 99+24 TO 99+29 LT	40	16
STA 99+57 TO 99+62 LT	40	16
STA 99+82 RT	65	8
STA 99+82 LT	90	8
STA 102+12 TO 105+71 RT	1795	
STA 105+91 TO 106+35 RT	220	
STA 106+55 TO 106+65 RT	50	
TOTAL	16848	344

TRENCH BACKFILL SCHEDULE

LOCATION	TRENCH BACKFILL SPECIAL (CU YD)	
STA 17+40	168	RONNIE GRAY
STA 20+80	7	RONNIE GRAY
STA 22+90	9	RONNIE GRAY
STA 23+67 TO 24+39 - 30 RT	9	BEAUCHAMP
STA 23+81	8	RONNIE GRAY
STA 24+55	6	RONNIE GRAY
STA 29+20	22	RONNIE GRAY
STA 29+20 TO 29+70 - LT	16	CURB
STA 29+50	17	RONNIE GRAY
STA 29+50 TO 29+62 - RT	6	PATH
STA 30+49	34	RONNIE GRAY
STA 30+77 TO 30+87 - 30 LT	8	SIDEWALK
STA 31+10	8	RONNIE GRAY
STA 33+05	7	RONNIE GRAY
STA 34+10 TO 34+45 - 28 LT	28	JOYCE
STA 34+65	9	RONNIE GRAY
STA 79+15	7	MAPLE
STA 79+28 TO 79+37 - 41 RT	8	SIDEWALK
STA 80+35 TO 81+10	24	MAPLE
STA 80+53 TO 80+67 - 45 RT	5	SIDEWALK
STA 80+62 TO 80+71 - 30 LT	7	SIDEWALK
STA 80+70	9	MAPLE
STA 81+10	13	MAPLE
STA 82+41	14	MAPLE
STA 82+41 TO 82+78 - 37 RT	5	ALAN
STA 84+10	9	MAPLE
STA 84+26 TO 84+68 - 30 LT	7	PARK ENTRANCE
STA 86+90	6	MAPLE
STA 87+11 TO 87+19 - 30 LT	4	SIDEWALK
STA 87+32 TO 87+74 - 30 LT	5	PARK ENTRANCE
STA 88+15	13	MAPLE
STA 89+70	7	MAPLE
STA 91+00	9	MAPLE
STA 92+90	9	MAPLE
STA 94+00	7	MAPLE
STA 95+65	7	MAPLE
STA 96+16 TO 96+59 - 30 LT	7	PARK ENTRANCE
STA 96+75	7	MAPLE
STA 98+50	44	MAPLE
STA 98+50 - 44 LT	21	PATH
STA 98+50 - 35 RT	14	SIDEWALK
STA 99+20 TO 99+65 - 30 RT	24	SIDE STREET
STA 99+78 TO 99+87 - 30 LT	8	SIDEWALK
STA 101+00	9	MAPLE
STA 102+90	7	MAPLE
STA 104+00	4	MAPLE
STA 105+20	5	MAPLE
STA 106+45 TO 106+66 - 30 LT	7	DRIVE
STA 107+28	7	MAPLE
TOTAL	701	

TURF ESTABLISHMENT SCHEDULE

LOCATION	SEEDING CLASS 2A (ACRE)	MULCH METHOD 3 (ACRE)	SODDING SALT TOLERANT (SQ YD)
STA 17+10 TO 22+65 RT	0.45	0.45	
STA 17+10 TO 29+50 LT	0.80	0.80	
STA 22+65 TO 23+75 RT			249
STA 24+20 TO 26+40 RT			460
STA 26+40 TO 29+50 RT	0.15	0.15	
STA 30+50 TO 34+10 LT	0.10	0.10	
STA 30+50 TO 36+00 RT	0.35	0.35	
STA 34+45 TO 36+00 LT	0.10	0.10	
STA 76+30 TO 79+50 LT	0.20	0.20	
STA 76+30 TO 79+50 RT	0.25	0.25	
STA 80+45 TO 82+40 RT	0.05	0.05	
STA 80+45 TO 87+60 LT	0.35	0.35	
STA 82+80 TO 87+56 RT	0.15	0.15	
STA 87+90 TO 99+10 LT	0.55	0.55	
STA 87+95 TO 92+30 RT	0.15	0.15	
STA 92+70 TO 95+05 RT	0.10	0.10	
STA 95+45 TO 96+80 RT	0.10	0.10	
STA 97+05 TO 101+90 RT	0.25	0.25	
STA 99+40 TO 106+45 LT	0.35	0.35	
STA 102+15 TO 105+70 RT	0.20	0.20	
STA 105+90 TO 106+35 RT	0.05	0.05	
STA 106+55 TO 108+85 RT	0.10	0.10	
STA 106+60 TO 108+85 LT	0.10	0.10	
TOTAL	4.90	4.90	709

TREES SCHEDULE

LOCATION	REMOVAL (6 TO 15 UNITS) (UNITS)	REMOVAL (OVER 15 UNITS) (UNITS)
STA 29+17 - 40 RT	8	
STA 80+42 - 36 RT	15	
STA 80+90 - 36 RT		18
STA 82+84 - 36 RT	15	
STA 88+02 - 38 RT		24
STA 91+58 - 30 LT		36
STA 92+37 - 34 LT		54
STA 92+75 - 30 LT		24
STA 92+87 - 31 LT		18
STA 93+15 - 36 LT		24
STA 93+30 - 37 LT		18
STA 94+12 - 47 LT		24
STA 94+40 - 39 LT		24
STA 94+52 - 33 LT		36
STA 95+18 - 29 LT		24
STA 96+01 - 30 LT	12	
STA 96+40 - 30 LT		24
STA 96+66 - 30 LT		24
TOTAL	50	372

EARTH EXCAVATION SCHEDULE

LOCATION	EARTH EXCAVATION (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EMBANKMENT (CU YD)	
STA 17+10 TO 36+00	1237	6293	4706	RONNIE GRAY DRIVE
STA 76+30 TO 108+85	4520	12006	6126	MAPLE STREET
BORROW AREA	7783			
TOTAL	13540	18299	10832	

PAVEMENT SCHEDULE

LOCATION	AGGREGATE SUBGRADE 12" (SQ YD)	AGGREGATE BASE COURSE TYPE B 6" (SQ YD)	AGGREGATE SURFACE COURSE TYPE A, 6" (SQ YD)	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 6" (SQ YD)	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8" (SQ YD)	AGGREGATE SHOULDERS TYPE B 6" (SQ YD)	COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 (FOOT)	HOT-MIX ASPHALT BASE COURSE 3" (SQ YD)	HOT-MIX ASPHALT SURFACE COURSE MIX "C", N50 (TON)	HOT-MIX ASPHALT BINDER COURSE IL-19.0, N50 (TON)
STA 17+10 TO 18+25	256					51		256	26	38
STA 18+25 TO 19+95	548					76		548	56	81
STA 19+95 TO 23+41	1557						346	1461	150	215
STA 19+95 TO 29+52 LT		851							76	76
STA 23+41 TO 24+53	778						185	727	75	107
STA 24+53 TO 28+50	1897						794	1676	172	246
STA 26+75 RT				40						
STA 28+50 TO 31+50	2702						908	2450	252	360
STA 31+50 TO 33+80	1099						460	971	100	143
STA 33+80 TO 34+02	92					10		92	9	13
STA 34+02 TO 34+54	285					22		285	29	42
STA 34+54 TO 36+00	446					65		446	46	66
STA 36+45 TO 36+69 LT			120							
STA 76+30 TO 78+50	721					98		721	74	106
STA 78+50 TO 79+43 LT		83							7	7
STA 80+48 TO 84+27 LT		337							30	30
STA 81+50 TO 82+31	387						162	342	35	50
STA 82+31 TO 82+89	400						140	366	38	54
STA 82+89 TO 84+10	592						242	511	53	75
STA 84+10 TO 84+84	478						165	425	44	62
STA 84+67 TO 87+33 LT	236								21	21
STA 84+84 TO 87+16	1134						464	980	101	144
STA 87+16 TO 88+04	645						216	560	58	82
STA 87+73 TO 96+17 LT	750								66	66
STA 88+04 TO 92+21	1992						834	1761	181	259
STA 92+21 TO 92+79	433						127	408	42	60
STA 92+79 TO 96+00	1534						642	1355	139	199
STA 95+29 RT				57						
STA 96+00 TO 96+74	470						165	425	44	62
STA 96+56 TO 99+24 LT		238							21	21
STA 96+74 TO 99+06	1108						464	980	101	144
STA 97+00 RT					80					
STA 99+06 TO 99+80	470						165	425	44	62
STA 99+62 TO 106+49 LT		611							54	54
STA 99+80 TO 106+65	3273						1370	2892	298	425
STA 102+00 RT					88					
STA 105+81 RT				68						
STA 106+46 RT					79					
STA 106+54 LT					47					
STA 106+60 TO 106+65 LT		4							1	1
STA 106+65 TO 108+85	672					97		672	69	99
TOTAL	23969	3110	120	165	294	419	7849	21735	2512	3470

MISCELLANEOUS SCHEDULE

LOCATION	MANHOLES TO BE ADJUSTED (EACH)	VALVE BOXES TO BE ADJUSTED (EACH)	HYDRANTS TO BE ADJUSTED (EACH)	PAVED DITCH (SPECIAL) (FOOT)	SIGN PANEL TYPE 1 (SQ FT)	METAL POST TYPE A (EACH)	RELOCATE EXISTING MAILBOX (EACH)	RELOCATE EXISTING SIGNS (EACH)	
STA 23+67 - 40RT								1	STREET
STA 24+06 - 27LT		1							
STA 24+07 - 29LT			1						
STA 24+08 - 22LT		1							
STA 24+19 - 52RT								1	STOP
STA 26+38 - 28LT	1								
STA 28+50 - 25LT					5	1			SPEED LIMIT 35MPH
STA 29+40 - 30RT								1	STOP
STA 29+50 - 50LT								1	STREET
STA 30+50 - 50RT								1	STREET
STA 30+70 - 27LT								1	STOP
STA 31+50 - 25RT								1	SPEED LIMIT 35MPH
STA 34+10 - 40LT					6.25	1			STOP
STA 71+40 - RT				168					
STA 79+25 - 25RT								1	STOP
STA 80+75 - 25LT								1	STOP
STA 80+77 - 37RT	1								
STA 80+78 - 23LT	1								
STA 81+50 - 25RT					5	1			SPEED LIMIT 35MPH
STA 82+83 - 38RT					6.25	1			STOP
STA 82+88 - 38RT								1	STREET
STA 87+98 - 38RT					6.25	1			STOP
STA 88+04 - 38RT								1	STREET
STA 92+73 - 38RT					6.25	1			STOP
STA 92+79 - 38RT								1	STREET
STA 94+50 - 23RT							1		
STA 94+55 - 23RT							1		
STA 105+60 - 23RT							1		
STA 106+00 - 25LT					5	1			SPEED LIMIT 35MPH
TOTAL	3	2	1	168	40	7	3	12	

(2) Revised 4-19-10

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	59	5

CONTRACT NO. 87252

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

* RONNIE GRAY DRIVE (6502)
MAPLE STREET (6512)
** 00-00054-00-FP

TYSON ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS
LAND SURVEYORS
DESIGN FIRM LICENSE #184-001136
367 SOUTH SCHUYLER AVENUE
KANKAKEE, ILLINOIS 60901
PHONE (815) 932-7406

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	10/30/09	MRG	PER IDOT REVIEW
2	4/9/10	MRG	ADDENDUM

SCHEDULE OF QUANTITIES

PROJECT: VILLAGE OF MANTENO
MAPLE STREET AND RONNIE GRAY DRIVE IMPROVEMENTS
MANTENO, ILLINOIS

SECTION 00-00054-00-FP

DATE:	9/25/09	JOB NO.	E06030
SCALE:	N/A	FILE NO.	
DRAWN BY:	MRG	SHEET	5
CHECKED BY:	SRM		

REMOVALS SCHEDULE

LOCATIONS	GUARDRAIL REMOVAL AND REINSTALL (FOOT)	HOT-MIX ASPHALT PAVEMENT REMOVAL (SQ YD)	COMBINATION CURB & GUTTER REMOVAL (FOOT)	COMBINATION CONC. CURB & GUTTER REMOVAL AND REPLACEMENT (FOOT)	STORM SEWER REMOVAL						REMOVE INLETS (EACH)	REMOVE 15" FLARED END SECTION (EACH)	REMOVE HEADWALL (EACH)	SIDEWALK REMOVAL (SQ FT)
					4" (FOOT)	8" (FOOT)	10" (FOOT)	12" (FOOT)	15" (FOOT)	18" (FOOT)				
STA 17+10 TO 17+70	120													
STA 17+10 TO 19+00		422												
STA 19+00 TO 19+95		253												
STA 19+95 TO 23+41		1076												
STA 20+14 - 32 RT											1			
STA 20+14 TO 23+69 RT									355					
STA 20+15 TO 20+85 RT				10										
STA 22+75 TO 22+95 RT				20										
STA 23+41 TO 24+53		603												
STA 23+64 TO 23+74 RT				10										
STA 23+69 - 30 RT											1			
STA 23+69 TO 24+28 RT									59					
STA 24+13 TO 26+50 RT			269											
STA 24+18 TO 24+27 RT														56
STA 24+28 - 30 RT											1			
STA 24+28 TO 25+20 RT									92					
STA 24+53 TO 26+50		613												
STA 25+20 - 30 RT											1			
STA 25+20 RT								10						
STA 25+20 TO 25+93 RT									73					
STA 25+21 - 20 RT											1			
STA 25+93 - 30 RT												1		
STA 26+50 TO 27+00		133												
STA 27+00 TO 29+50		556												
STA 30+30 TO 33+94		849												
STA 33+94 TO 34+63		270												
STA 34+09 - 25 LT													1	
STA 34+09 TO 34+48 LT								39						
STA 34+48 - 25 LT													1	
STA 34+63 TO 36+00		320												
STA 76+30 TO 79+44		733												
STA 79+07 TO 81+05								228						
STA 79+44 TO 80+50		510												
STA 79+82 TO 80+26 RT									44					
STA 79+83 TO 80+25 RT								42						
STA 80+24									46					
STA 80+50 TO 82+27		393												
STA 80+71						59					1			
STA 81+93 TO 82+13 LT								20						
STA 82+27 TO 82+78		240												
STA 82+35 - 18 RT													1	
STA 82+35 TO 82+75 RT								40						
STA 82+75 - 18 RT													1	
STA 82+78 TO 87+44		932												
STA 87+44 TO 88+05		269												
STA 87+59 - 21 RT													1	
STA 87+59 TO 87+89 RT								30						
STA 87+89 - 21 RT													1	
STA 88+05 TO 92+23		836												
STA 92+23 TO 92+75		224												
STA 92+34 - 19 RT													1	
STA 92+34 TO 92+64 RT								30						
STA 92+64 - 19 RT													1	
STA 92+75 TO 95+02		404												
STA 94+33 TO 94+43 RT					15									
STA 94+40 TO 64+53 RT							13							
STA 95+02 TO 95+49		170												
STA 95+49 TO 108+85		2375												
STA 96+85 TO 97+02 LT								17						
STA 98+50 - 29 RT											1			
STA 104+84 TO 105+15 RT										31				
TOTAL	120	12181	269	40	15	59	13	456	669	31	7	1	8	56

⟨2⟩ Revised 4-19-10

PAVEMENT MARKING SCHEDULE

LOCATION	THERMOPLASTIC PAVEMENT MARKING				
	LETTERS AND SYMBOLS (SQ FT)	LINE 6" (FOOT)	LINE 12" (FOOT)	LINE 24" (FOOT)	
STA 17+10 TO 18+25		29			DASHED LINE YELLOW
STA 18+25 TO 19+95		728			LINE YELLOW
STA 19+95 TO 23+70 LT		469			LINE YELLOW
STA 19+95 TO 23+70 RT		469			LINE YELLOW
STA 20+25	31.2				DOUBLE ARROW WHITE
STA 23+50	31.2				DOUBLE ARROW WHITE
STA 23+97 RT		70	66	16	CROSS WALK WHITE & STOP BAR
STA 24+35		80	78		CROSS WALK WHITE
STA 24+40 TO 26+25 LT		231			LINE YELLOW
STA 24+40 TO 26+25 RT		231			LINE YELLOW
STA 24+75	31.2				DOUBLE ARROW WHITE
STA 26+00	31.2				DOUBLE ARROW WHITE
STA 26+25 TO 27+90		732			LINE YELLOW
STA 26+25 TO 27+90 RT		41			DOTTED LINE WHITE
STA 27+90 TO 29+30 LT		280			LINE YELLOW
STA 27+90 TO 29+40 RT		150			LINE WHITE
STA 28+15	15.6				LEFT ARROW WHITE
STA 28+15	26				THRU/RIGHT ARROW WHITE
STA 29+05	15.6				LEFT ARROW WHITE
STA 29+15	26				THRU/RIGHT ARROW WHITE
STA 29+30				14	STOP BAR WHITE
STA 29+40				17	STOP BAR WHITE
STA 29+56		156	230		CROSS WALK WHITE
STA 30+62		110	108		CROSS WALK WHITE
STA 30+70				14	STOP BAR WHITE
STA 30+70 TO 32+15 LT		145			LINE WHITE
STA 30+80				14	STOP BAR WHITE
STA 30+80 TO 32+15 RT		270			LINE YELLOW
STA 30+95	26				THRU/RIGHT ARROW WHITE
STA 31+05	15.6				LEFT ARROW WHITE
STA 31+90	26				THRU/RIGHT ARROW WHITE
STA 31+90	15.6				LEFT ARROW WHITE
STA 32+15 TO 33+80 LT		41			DOTTED LINE WHITE
STA 32+15 TO 33+80		732			LINE YELLOW
STA 33+80 TO 36+00		968			LINE YELLOW
STA 34+28 LT				12	STOP BAR WHITE
STA 76+30 TO 77+40		461			LINE YELLOW
STA 77+40 TO 78+50		461			LINE YELLOW
STA 77+40 TO 78+50 RT		28			DOTTED LINE WHITE
STA 78+50 TO 79+15 LT		130			LINE YELLOW
STA 78+50 TO 79+25 RT		75			LINE WHITE
STA 78+90	15.6				LEFT ARROW WHITE
STA 79+00	26				THRU/RIGHT ARROW WHITE
STA 79+15				14	STOP BAR WHITE
STA 79+25				12	STOP BAR WHITE
STA 79+32		104	102		CROSS WALK WHITE
STA 80+67		104	102		CROSS WALK WHITE
STA 80+75				12	STOP BAR WHITE
STA 80+75 TO 82+15 LT		140			LINE WHITE
STA 80+85				14	STOP BAR WHITE
STA 80+85 TO 82+15 RT		260			LINE YELLOW
STA 81+00	26				THRU/RIGHT ARROW WHITE
STA 81+10	15.6				LEFT ARROW WHITE
STA 81+90	26				THRU/RIGHT ARROW WHITE ⟨2⟩
STA 81+90	15.6				LEFT ARROW WHITE ⟨2⟩
STA 82+15 TO 83+00 LT		41			DOTTED LINE WHITE
STA 82+15 TO 83+80		732			LINE YELLOW
STA 82+60 RT		64	60	16	CROSS WALK WHITE & STOP BAR
STA 83+80 TO 87+10 LT		413			LINE YELLOW ⟨2⟩
STA 83+80 TO 87+10 RT		413			LINE YELLOW ⟨2⟩
STA 84+00	31.2				DOUBLE ARROW WHITE
STA 84+47 LT		48	64		CROSS WALK WHITE ⟨2⟩
STA 86+90	31.2				DOUBLE ARROW WHITE ⟨2⟩
STA 87+16		76	72		CROSS WALK WHITE ⟨2⟩
STA 87+53 LT		48	64		CROSS WALK WHITE ⟨2⟩
STA 87+75 RT		64	60	16	CROSS WALK WHITE & STOP BAR
STA 88+00 TO 95+90 LT		988			LINE YELLOW ⟨2⟩
STA 88+00 TO 95+90 RT		988			LINE YELLOW ⟨2⟩
STA 88+20	31.2				DOUBLE ARROW WHITE ⟨2⟩
STA 90+00	31.2				DOUBLE ARROW WHITE
STA 92+00	31.2				DOUBLE ARROW WHITE
STA 92+50 RT		64	60	16	CROSS WALK WHITE & STOP BAR
STA 94+00	31.2				DOUBLE ARROW WHITE
STA 95+65	31.2				DOUBLE ARROW WHITE ⟨2⟩
STA 95+98		76	72		CROSS WALK WHITE ⟨2⟩
STA 96+37 LT		48	64		CROSS WALK WHITE
STA 96+65 TO 99+15 LT		313			LINE YELLOW
STA 96+65 TO 99+15 RT		313			LINE YELLOW
STA 96+90	31.2				DOUBLE ARROW WHITE
STA 98+90	31.2				DOUBLE ARROW WHITE
STA 99+43 LT		48	64		CROSS WALK WHITE
STA 99+82		76	72		CROSS WALK WHITE
STA 99+90 TO 106+65 LT		844			LINE YELLOW
STA 99+90 TO 106+65 RT		844			LINE YELLOW
STA 100+15	31.2				DOUBLE ARROW WHITE
STA 102+00	31.2				DOUBLE ARROW WHITE
STA 104+00	31.2				DOUBLE ARROW WHITE
STA 106+25	31.2				DOUBLE ARROW WHITE
STA 106+65 TO 108+85		974			LINE YELLOW
TOTAL	821.6	15170	1336	187	⟨2⟩

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	59	6

CONTRACT NO. 87252

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

* RONNIE GRAY DRIVE (6502)
MAPLE STREET (6512)

** 00-00054-00-FP

TYSON ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS
LAND SURVEYORS
DESIGN FIRM LICENSE #184-001136
367 SOUTH SCHUYLER AVENUE
KANKAKEE, ILLINOIS 60901
PHONE (815) 932-7406

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	10/30/09	MRG	PER IDOT REVIEW
2	4/9/10	MRG	ADDENDUM

SCHEDULE OF QUANTITIES

PROJECT:

VILLAGE OF MANTENO

MAPLE STREET AND RONNIE GRAY DRIVE IMPROVEMENTS

MANTENO, ILLINOIS

SECTION
00-00054-00-FP

DATE: 9/25/09		JOB NO. E06030
SCALE: N/A		FILE NO.
DRAWN BY: MRG		SHEET 6
CHECKED BY: SRM		

STORM SEWER PIPE SCHEDULE

LOCATION	PRECAST CONCRETE BOX CULVERT		PRECAST REINFORCED CONCRETE FLARED END SECTIONS			GRATING FOR CONC. FLARED END SEC.		STORM SEWERS, CLASS A, TYPE 1							STORM SEWERS TYPE 1, REIN. CONC. ELLIPTICAL PIPE	PRECAST CONCRETE BOX CULVERT END SECTIONS		CONCRETE HEADWALL (EACH)
	6'x2' (FOOT)	8'x2' (FOOT)	24" (EACH)	EQUIVALENT ROUND-SIZE 36" ◇2 (EACH)	EQUIVALENT ROUND-SIZE 42" ◇2 (EACH)	EQUIVALENT ROUND-SIZE 36" ◇2 (EACH)	EQUIVALENT ROUND-SIZE 42" ◇2 (EACH)	12" (FOOT)	15" (FOOT)	18" (FOOT)	24" (FOOT)	30" (FOOT)	42" (FOOT)	EQUIVALENT ROUND-SIZE 36" ◇2 (FOOT)	SPAN 53, RISE 34 (FOOT)	6'X2' (EACH)	8'X2' (EACH)	
STA 17+40		138															2	
STA 17+45 TO 20+80 RT			1								335							
STA 20+80								60										
STA 20+80 TO 22+90 LT											210							
STA 22+90								70										
STA 22+90 TO 23+69 RT										79								
STA 23+69 TO 24+27 RT									58									
STA 23+81								65										
STA 24+27 TO 24+55 RT									28									
STA 24+55								70										
STA 24+55 TO 25+95 RT								140										
STA 29+20								20				48						
STA 29+20 TO 29+64 LT												46						
STA 30+52 TO 31+10 LT															57			
STA 31+10								61										
STA 31+10 TO 33+05 LT															195			
STA 33+05								58										
STA 33+05 TO 34+65 LT													160					
STA 34+65								56										
STA 77+60 TO 79+15 LT				1		1							◇2	155 ◇2				
STA 79+00 TO 80+31 RT					1		1								132 ◇2			
STA 79+15								47										
STA 79+15 TO 79+80 LT												83						
STA 80+31 TO 80+71 RT								42										
STA 80+45 TO 80+53 LT												10						
STA 80+53 TO 81+10 LT												57						
STA 81+10								5	53									
STA 81+10 TO 82+41 LT												131						
STA 82+41								104										
STA 82+41 TO 84+10 LT												169						
STA 84+10								130 ◇2	10									
STA 84+10 TO 86+90 LT											280							
STA 86+90								70										
STA 86+90 TO 88+15 LT											125							
STA 88+15								120 ◇2										
STA 88+15 TO 89+70 LT											155							
STA 89+70								60										
STA 89+70 TO 91+00 LT										130								
STA 91+00								70										
STA 91+00 TO 92+90 LT										190								
STA 92+90								70										
STA 92+90 TO 94+00 LT									110									
STA 94+00								60										
STA 94+00 TO 95+65 LT									165									
STA 95+65								60										
STA 95+65 TO 96+75 LT								110										
STA 96+75								60										
STA 98+50	114															1		1
STA 98+54 TO 99+05 LT											51							
STA 99+05								10										
STA 99+05 TO 101+00 LT											195							
STA 101+00								70										
STA 101+00 TO 102+90 LT											190							
STA 102+90								70										
STA 102+90 TO 104+00 LT											110							
STA 104+00								70										
STA 104+00 TO 105+20 LT										120								
STA 105+20								70										
STA 105+20 TO 107+00 LT									180									
STA 107+28								72										
TOTAL	**114**	**138**	**1**	**1**	**1**	**1**	**1**	**1970**	**604**	**519**	**1651**	**544**	**160**	**155**	**384**	**1**	**2**	**1** ◇2

◇2 Revised 4-19-10

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	59	7

CONTRACT NO. 87252

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

* RONNIE GRAY DRIVE (6502)
MAPLE STREET (6512)

** 00-00054-00-FP

TYSON ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS
LAND SURVEYORS
DESIGN FIRM LICENSE #184-001136
367 SOUTH SCHUYLER AVENUE
KANKAKEE, ILLINOIS 60901
PHONE (815) 932-7406

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	10/30/09	MRG	PER IDOT REVIEW
2	4/9/10	MRG	ADDENDUM

SCHEDULE OF QUANTITIES

PROJECT: VILLAGE OF MANTENO

MAPLE STREET AND RONNIE GRAY DRIVE IMPROVEMENTS

MANTENO, ILLINOIS

SECTION 00-00054-00-FP

DATE: 9/25/09	JOB NO. E06030
SCALE: N/A	FILE NO.
DRAWN BY: MRG	SHEET 7
CHECKED BY: SRM	

STORM SEWER STRUCTURE SCHEDULE

LOCATION	MANHOLES, TYPE A, TYPE 1 FRAME: 4' - OPEN LID (EACH)	4' - CLOSED LID (EACH)	4' - SPECIAL GRATE (EACH)	4' - SPECIAL CLOSED LID (EACH)	5' - OPEN LID (EACH)	5' - CLOSED LID (EACH)	5' - SPECIAL CLOSED LID (EACH)	6' - SPECIAL GRATE (EACH)	MANHOLES, TYPE A, TYPE 3 FRAME AND GRATE: 4' DIA. (EACH)	5' DIA. (EACH)	6' DIA. (EACH)	8' DIA. (EACH)	INLETS: TYPE A, SPECIAL FRAME OPEN LID (EACH)	TYPE A, TYPE 3 FRAME AND GRATE (EACH)	TYPE B, TYPE 1 FRAME CLOSED LID (EACH)	TYPE B, TYPE 3 FRAME AND GRATE (EACH)	TYPE B, SPECIAL FRAME AND GRATE (EACH)
STA 20+70 - 20LT														1			
STA 20+80 - 30RT			1														
STA 20+80 - 20RT														1			
STA 20+80 - 20LT																1	
STA 22+80 - 20LT														1			
STA 22+80 - 20RT														1			
STA 22+90 - 20LT																1	
STA 22+90 - 30RT		1															
STA 22+90 - 20RT																1	
STA 23+69 - 30RT									1								
STA 23+90 - 20LT																1	
STA 24+00 - 20LT														1			
STA 24+27 - 30RT																1	
STA 24+55 - 30RT	1																
STA 24+55 - 20RT																1	
STA 24+55 - 20LT																1	
STA 24+65 - 20LT														1			
STA 24+65 - 20RT														1			
STA 25+95 - 30RT													1				
STA 29+10 - 26LT														1			
STA 29+10 - 20RT														1			
STA 29+20 - 28LT											1						
STA 29+20 - 20RT										1							
STA 31+10 - 28LT								1									
STA 31+10 - 20LT														1			
STA 31+10 - 23RT																1	
STA 31+20 - 22RT														1			
STA 33+05 - 28LT								1									
STA 33+05 - 20LT														1			
STA 33+05 - 20RT																1	
STA 33+15 - 20RT														1			
STA 34+65 - 28RT													1				
STA 34+65 - 28LT					1												
STA 79+15 - 27LT										1							
STA 79+15 - 20RT														1			
STA 80+31 - 52RT												1					
STA 80+38 - 45RT																1	
STA 80+45 - 36LT										1							
STA 80+53 - 30LT											1						
STA 80+71 - 45RT															1		
STA 81+10 - 30LT						1											
STA 81+10 - 20LT																1	
STA 81+10 - 23RT																1	
STA 81+10 - 28RT													1				
STA 82+41 - 30LT						1											
STA 82+41 - 37RT																1	
STA 82+78 - 37RT														1			
STA 84+10 - 26RT													1				
STA 84+10 - 30LT							1										
STA 84+10 - 20LT																1	
STA 84+10 - 20RT																1	
STA 84+20 - 20RT														1			
STA 84+84 - 20LT														1			
STA 86+80 - 20RT														1			
STA 86+90 - 20RT																1	
STA 86+90 - 30LT				1													
STA 86+90 - 20LT																1	
STA 87+00 - 20LT														1			
STA 87+90 - 20LT														1			
STA 88+05 - 20RT														1			
STA 88+15 - 20RT																1	
STA 88+15 - 30LT		1															
STA 88+15 - 20LT																1	
STA 88+50 - 20RT														1			
STA 89+70 - 30LT		1															
STA 89+70 - 20LT														1			
STA 89+70 - 20RT																1	
STA 89+80 - 20RT														1			
STA 91+00 - 30LT		1															
STA 91+00 - 20LT																1	
STA 91+00 - 20RT																1	
STA 91+10 - 20RT														1			
STA 91+10 - 20LT														1			
STA 92+80 - 20RT														1			
STA 92+90 - 20RT																1	
STA 92+90 - 20LT																1	
STA 92+90 - 30LT		1															
STA 93+00 - 20LT														1			
STA 94+00 - 30LT		1															
STA 94+00 - 20LT														1			
STA 94+00 - 20RT																1	
STA 94+10 - 20RT														1			
STA 95+55 - 20RT														1			
STA 95+65 - 30LT		1															
STA 95+65 - 20RT																1	
STA 96+75 - 20RT														1			
STA 96+75 - 20LT																1	
STA 96+75 - 30LT		1															
STA 96+85 - 20LT														1			
STA 99+05 - 30LT		1															
STA 99+05 - 20LT														1			
STA 100+90 - 20RT														1			
STA 100+90 - 20LT														1			
STA 101+00 - 20RT																1	
STA 101+00 - 30LT		1															
STA 101+00 - 20LT																1	
STA 102+80 - 20RT														1			
STA 102+80 - 20LT														1			
STA 102+90 - 20RT																1	
STA 102+90 - 30LT		1															
STA 102+90 - 20LT																1	
STA 104+00 - 30LT				1													
STA 104+00 - 20LT																1	
STA 104+00 - 20RT																1	
STA 104+10 - 20RT														1			
STA 104+10 - 20LT														1			
STA 105+20 - 30LT		1															
STA 105+20 - 20LT																1	
STA 105+20 - 20RT																1	
STA 105+30 - 20RT														1			
STA 105+30 - 20LT														1			
STA 107+00 - 30LT																	1
STA 107+50 - 22RT													1				
TOTAL	1	12	1	2	1	2	1	2	1	3	2	1	5	42	1	35	1

⟨2⟩ Revised 4-19-10

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	59	8

CONTRACT NO. 87252

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

* RONNIE GRAY DRIVE (6502) MAPLE STREET (6512)
** 00-00054-00-FP

TYSON ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS
LAND SURVEYORS
DESIGN FIRM LICENSE #184-001136
367 SOUTH SCHUYLER AVENUE
KANKAKEE, ILLINOIS 60901
PHONE (815) 932-7406

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	10/30/09	MRG	PER IDOT REVIEW
2	4/9/10	MRG	ADDENDUM

SCHEDULE OF QUANTITIES

PROJECT: VILLAGE OF MANTENO
MAPLE STREET AND RONNIE GRAY DRIVE IMPROVEMENTS
MANTENO, ILLINOIS

SECTION 00-00054-00-FP

DATE: 9/25/09	JOB NO. E06030
SCALE: N/A	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	8

STORM SEWER STRUCTURE SCHEDULE

1) STA: 92+80 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 683.46
12" N FL OUT = 680.46

2) STA: 92+90 20' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 683.51
12" S FL IN = 680.36
12" W FL OUT = 680.36
2-1: 10 LF 12" RCP @ 1.00%

3) STA: 93+00 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 683.56
12" S FL OUT = 680.56

4) STA: 92+90 20' LT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 683.51
12" N FL IN = 680.46
12" E FL IN = 679.96
12" W FL OUT = 679.96
4-3: 10 LF 12" RCP @ 1.00%
4-2: 40 LF 12" RCP @ 1.00%

5) STA: 92+90 30' LT
4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID
T/RIM = 684.06
12" E FL IN = 679.86
15" N FL IN = 679.76
18" S FL OUT = 679.76
5-4: 10 LF 12" RCP @ 1.00%
5-155: 110 LF 15" RCP @ 0.32%

6) STA: 91+00 30' LT
4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID
T/RIM = 683.11
12" E FL IN = 679.01
18" N FL IN = 679.27
18" S FL OUT = 679.01
6-7: 10 LF 12" RCP @ 1.00%
6-5: 190 LF 18" RCP @ 0.26%

7) STA: 91+00 20' LT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 682.56
12" N FL IN = 679.51
12" E FL IN = 679.11
12" W FL OUT = 679.11
7-8: 10 LF 12" RCP @ 1.00%
7-9: 40 LF 12" RCP @ 1.00%

8) STA: 91+10 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 682.61
12" S FL OUT = 679.61

9) STA: 91+00 20' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 682.56
12" N FL IN = 679.51
12" W FL OUT = 679.51
9-10: 10 LF 12" RCP @ 1.00%

10) STA: 91+10 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 682.61
12" S FL OUT = 679.61

11) STA: 89+70 30' LT
4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID
T/RIM = 682.46
12" E FL IN = 678.36
18" N FL IN = 678.54
24" S FL OUT = 678.36
11-12: 10 LF 12" RCP @ 1.00%
11-6: 130 LF 18" RCP @ 0.36%

12) STA: 89+70 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.91
12" E FL IN = 678.46
12" W FL OUT = 678.46
12-13: 40 LF 12" RCP @ 1.00%

13) STA: 89+70 20' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.91
12" N FL IN = 678.86
12" W FL OUT = 678.86
13-14: 10 LF 12" RCP @ 1.00%

14) STA: 89+80 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.96
12" S FL OUT = 678.96

15) STA: 88+15 30' LT
4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID
T/RIM = 681.69
12" E FL IN = 677.71
24" N FL IN = 678.08
24" S FL OUT = 677.71
15-16A: 10 LF 12" RCP @ 0.50%
15-11: 155 LF 24" RCP @ 0.18%

16) STA: 87+90 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.01
12" N FL OUT = 678.01
⟨2⟩

16A) STA: 88+15 20' LT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.14
12" S FL IN = 677.76
12" E FL IN = 677.76
12" W FL OUT = 677.76
16A-16: 25 LF 12" RCP @ 1.00%
16A-18: 40 LF 12" RCP @ 0.50%
⟨2⟩

17) STA: 88+50 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.31
12" S FL OUT = 678.31

18) STA: 88+15 20' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.14
12" N FL IN = 677.96
12" S FL IN = 677.98
12" W FL OUT = 677.96
18-17: 35 LF 12" RCP @ 1.00%
18-19: 10 LF 12" RCP @ 1.00%

19) STA: 88+05 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.08
12" N FL OUT = 678.08

20) STA: 86+90 30' LT
4' DIA. TYPE 'A' MANHOLE W/TYPE 1 SPECIAL FRAME, CLOSED LID
T/RIM = 681.20
12" E FL IN = 677.50
24" N FL IN = 677.49
24" S FL OUT = 677.49
20-21: 10 LF 12" RCP @ 0.50%
20-15: 125 LF 24" RCP @ 0.18%
⟨2⟩

21) STA: 86+90 20' LT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 680.65
12" N FL IN = 677.55
12" E FL IN = 677.55
12" W FL OUT = 677.55
21-22: 10 LF 12" RCP @ 1.00%
21-23: 40 LF 12" RCP @ 0.50%

22) STA: 87+00 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 680.65
12" S FL OUT = 677.65

23) STA: 86+90 20' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 680.65
12" S FL IN = 677.75
12" W FL OUT = 677.75
23-24: 10 LF 12" RCP @ 1.00%

24) STA: 86+80 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 680.65
12" N FL OUT = 677.85

25) STA: 84+10 30' LT
5' DIA. TYPE 'A' MANHOLE W/TYPE 1 SPECIAL FRAME, CLOSED LID
T/RIM = 680.90
15" E FL IN = 676.62
24" N FL IN = 676.87
30" S FL OUT = 676.57
25-26: 10 LF 15" RCP @ 0.50%
25-20: 280 LF 24" RCP @ 0.22%

26) STA: 84+10 20' LT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 680.35
12" N FL IN = 676.67
12" E FL IN = 676.86
15" W FL OUT = 676.67
26-27: 74 LF 12" RCP @ 1.00%
26-28: 40 LF 12" RCP @ 0.60%

27) STA: 84+84 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 680.41
12" S FL OUT = 677.41
⟨2⟩

28) STA: 84+10 20' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 680.35
12" N FL IN = 677.25
12" E FL IN = 677.10
12" W FL OUT = 677.10
28-29: 10 LF 12" RCP @ 1.00%
28-30: 6 LF 12" RCP @ 1.00%

29) STA: 84+20 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 680.35
12" S FL OUT = 677.35

30) STA: 84+10 26' RT
2' DIA. TYPE 'A' INLET W/TYPE 1 SPECIAL FRAME, OPEN LID
T/RIM = 679.08
12" W FL OUT = 677.16
⟨2⟩

31) STA: 82+41 30' LT
5' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID
T/RIM = 680.93
12" E FL IN = 676.12
30" N FL IN = 676.34
30" S FL OUT = 676.12
31-32: 67 LF 12" RCP @ 1.00%
31-25: 169 LF 30" RCP @ 0.14%

32) STA: 82+41 37' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 680.07
12" N FL IN = 676.79
12" W FL OUT = 676.79
32-33: 37 LF 12" RCP @ 1.00%

33) STA: 82+78 37' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 680.16
12" S FL OUT = 677.16

34) STA: 81+10 30' LT
5' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID
T/RIM = 680.09
15" E FL IN = 674.68
30" N FL IN = 675.94
30" S FL OUT = 674.39
34-35: 10 LF 15" RCP @ 0.50%
34-31: 131 LF 30" RCP @ 0.14%
⟨2⟩

35) STA: 81+10 20' LT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 679.54
15" E FL IN = 674.73
15" W FL OUT = 674.73
35-36: 43 LF 15" RCP @ 0.50%

36) STA: 81+10 23' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 679.48
EX. 12" N FL IN = 674.94
12" E FL IN = 676.90
15" W FL OUT = 674.94
36-37: 5 LF 12" RCP @ 1.00%

37) STA: 81+10 28' RT
2' DIA. TYPE 'A' INLET W/TYPE 1 SPECIAL FRAME, OPEN LID
T/RIM = 679.12
12" W FL OUT = 676.95
⟨2⟩

38) STA: 80+71 45' RT
3' DIA. TYPE 'B' INLET W/TYPE 1 FRAME, CLOSED LID
T/RIM = 679.58
EX. 8" W FL IN = 675.36
12" S FL OUT = 675.36

39) STA: 80+31 52' RT
8' DIA. TYPE 'A' MANHOLE W/TYPE 3 FRAME AND GRATE
EOP = 678.73
12" NW FL IN = 674.94
53"x34" E FL IN = 673.41
53"X24" S FL OUT = 673.41
39-40: 10 LF 12" RCP @ 1.00%
39-54: 57 LF 53"x34" ELLIP RCP @ 0.20%
⟨2⟩

40) STA: 80+38 45' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 678.64
12" N FL IN = 675.04
12" SE FL OUT = 675.04
40-38: 32 LF 12" RCP @ 1.00%

41-47) NOT USED

48) STA: 34+65 28' RT
2' DIA. TYPE 'A' INLET W/TYPE 1 SPECIAL FRAME, OPEN LID
T/RIM = 679.10
12" N FL OUT = 677.26

49) STA: 34+65 28' LT
5' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, OPEN LID
T/RIM = 679.87
12" S FL IN = 676.70
42" W FL OUT = 674.16
49-48: 56 LF 12" RCP @ 1.00%

50) STA: 33+05 28' LT
6' DIA. TYPE 'A' MANHOLE W/TYPE 1 SPECIAL FRAME, OPEN LID
T/RIM = 678.75
12" S FL IN = 676.61
42" E FL IN = 673.88
53"x34" W FL OUT = 673.88
50-51: 8 LF 12" RCP @ 1.00%
50-49: 160 LF 42" RCP @ 0.18%
⟨2⟩

51) STA: 33+05 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 680.14
12" S FL IN = 676.69
12" N FL OUT = 676.69
51-52: 40 LF 12" RCP @ 1.00%

52) STA: 33+05 20' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 680.14
12" E FL IN = 677.09
12" N FL OUT = 677.09
52-53: 10 LF 12" RCP @ 1.00%

53) STA: 33+15 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 680.19
12" W FL OUT = 677.19

54) STA: 31+10 28' LT
6' DIA. TYPE 'A' MANHOLE W/TYPE 1 SPECIAL FRAME, OPEN LID
T/RIM = 678.10
12" S FL IN = 675.57
53"x34" E FL IN = 673.52
53"x34" W FL OUT = 673.52
54-55: 8 LF 12" RCP @ 1.00%
54-50: 195 LF 53"x34" ELLIP RCP @ 0.18%
⟨2⟩

55) STA: 31+10 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 679.16
12" S FL IN = 675.65
12" N FL OUT = 675.65
55-56: 43 LF 12" RCP @ 1.00%

56) STA: 31+10 23' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 679.10
12" E FL IN = 676.08
12" N FL OUT = 676.08
56-57: 10 LF 12" RCP @ 1.00%

57) STA: 31+20 22' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 679.18
12" W FL OUT = 676.18

58-68) NOT USED

69) STA: 17+45 60' RT
24" RCP FES
INV = 676.73
69-70: 335 LF 24" RCP @ 0.18%

70) STA: 20+80 30' RT
4' DIA. TYPE 'A' MANHOLE W/TYPE 1 SPECIAL FRAME, OPEN LID
T/RIM = 680.68
12" N FL IN = 679.10
24" E FL IN = 677.33
24" W FL OUT = 677.33
70-71: 10 LF 12" RCP @ 1.00%
70-75: 210 LF 24" RCP @ 0.18%
⟨2⟩

71) STA: 20+80 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 682.61
12" N FL IN = 679.20
12" S FL OUT = 679.20
71-73: 40 LF 12" RCP @ 1.00%

72) NOT USED

73) STA: 20+80 20' LT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 682.65
12" W FL IN = 679.60
12" S FL OUT = 679.60
73-74: 10 LF 12" RCP @ 1.00%

74) STA: 20+70 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 682.70
12" E FL OUT = 679.70

75) STA: 22+90 30' RT
4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID
T/RIM = 682.19
12" N FL IN = 678.05
18" E FL IN = 677.71
24" W FL OUT = 677.71
75-76: 10 LF 12" RCP @ 1.00%
75-80: 79 LF 18" RCP @ 0.26%

76) STA: 22+90 20' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.64
12" W FL IN = 678.58
12" N FL IN = 678.15
12" S FL OUT = 678.15
76-77: 10 LF 12" RCP @ 1.00%
76-78: 40 LF 12" RCP @ 1.00%

77) STA: 22+80 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.68
12" E FL OUT = 678.68

78) STA: 22+90 20' LT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.60
12" W FL IN = 678.55
12" S FL OUT = 678.55
78-79: 10 LF 12" RCP @ 1.00%

79) STA: 22+80 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.65
12" E FL OUT = 678.65

80) STA: 23+69 30' RT
4' DIA. TYPE 'A' MANHOLE W/TYPE 3 FRAME AND GRATE
EOP = 681.17
12" NE FL IN = 677.96
15" E FL IN = 677.92
18" W FL OUT = 677.92
80-81: 55 LF 12" RCP @ 0.70%
80-83: 58 LF 15" RCP @ 0.32%

81) STA: 23+90 20' LT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.19
12" E FL IN = 678.34
12" SW FL OUT = 678.34
81-82: 10 LF 12" RCP @ 1.00%

82) STA: 24+00 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.19
12" W FL OUT = 678.44

83) STA: 24+27 30' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.00
15" E FL IN = 678.10
15" W FL OUT = 678.10
83-84: 28 LF 15" RCP @ 0.32%

84) STA: 24+55 30' RT
4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, OPEN LID
T/RIM = 681.25
12" N FL IN = 678.27
12" E FL IN = 678.19
15" W FL OUT = 678.19
84-85: 10 LF 12" RCP @ 0.50%
84-89: 140 LF 12" RCP @ 0.30%

85) STA: 24+55 20' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.32
12" E FL IN = 678.32
12" N FL IN = 678.32
12" S FL OUT = 678.32
85-86: 10 LF 12" RCP @ 1.00%
85-87: 40 LF 12" RCP @ 0.50%

86) STA: 24+65 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.37
12" W FL OUT = 678.42

87) STA: 24+55 20' LT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.32
12" E FL IN = 678.52
12" S FL OUT = 678.52
87-88: 10 LF 12" RCP @ 1.00%

88) STA: 24+65 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 681.37
12" W FL OUT = 678.62

89) STA: 25+95 30' RT
2' DIA. TYPE 'A' INLET W/TYPE 1 SPECIAL FRAME, OPEN LID
T/RIM = 680.28
12" W FL OUT = 678.61
⟨2⟩

90-92) NOT USED

93) STA: 29+20 20' RT
5' DIA. TYPE 'A' MANHOLE W/TYPE 3 FRAME AND GRATE
EOP = 679.49
12" W FL IN = 676.50
30" N FL IN = 674.09
30" SE FL OUT = 674.09
93-94: 10 LF 12" RCP @ 1.00%
93-95: 48 LF 30" RCP @ 0.20%

94) STA: 29+10 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 679.60
12" E FL OUT = 676.60

95) STA: 29+20 28' LT
6' DIA. TYPE 'A' MANHOLE W/TYPE 3 FRAME AND GRATE
EOP = 679.36
12" W FL IN = 676.38
30" E FL IN = 674.18
30" S FL OUT = 674.18
95-96: 10 LF 12" RCP @ 1.00%
95-97: 46 LF 30" RCP @ 0.18%
⟨2⟩

96) STA: 29+10 26' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 679.48
12" E FL OUT = 676.48

97) STA: 80+45 36' LT
5' DIA. TYPE 'A' MANHOLE W/TYPE 3 FRAME AND GRATE
EOP = 678.64
30" NE FL IN = 674.26
30" W FL OUT = 674.26
97-98: 10 LF 30" RCP @ 0.18%

98) STA: 80+53 30' LT
6' DIA. TYPE 'A' MANHOLE W/TYPE 3 FRAME AND GRATE
EOP = 678.81
30" N FL IN = 674.28
30" SW FL OUT = 674.28
98-34: 57 LF 30" RCP @ 0.18%
⟨2⟩

99) NOT USED

100) STA: 79+15 27' LT
5' DIA. TYPE 'A' MANHOLE W/TYPE 3 FRAME AND GRATE
EOP = 678.42
12" E FL IN = 674.95
30" NW FL IN = 673.92
45"X29" S FL OUT = 673.92
100-101: 47 LF 12" RCP @ 1.00%
100-93: 83 LF 30" RCP @ 0.20%
⟨2⟩

101) STA: 79+15 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 678.42
12" W FL OUT = 675.42

101A) STA: 79+00 37' RT
53"X34" RCP FES
INV = 673.15
101A-39: 132 LF 53"X34" ELIP RCP @ 0.20%
⟨2⟩

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	59	9

CONTRACT NO. 87252

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

* RONNIE GRAY DRIVE (6502)
MAPLE STREET (6512)
** 00-00054-00-FP

TYSON ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS
LAND SURVEYORS
DESIGN FIRM LICENSE #184-001136
367 SOUTH SCHUYLER AVENUE
KANKAKEE, ILLINOIS 60901
PHONE (815) 932-7406

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	10/30/09	MRG	PER IDOT REVIEW
2	4/9/10	MRG	ADDENDUM

STORM SEWER
STRUCTURE SCHEDULE

PROJECT:
VILLAGE OF MANTENO
MAPLE STREET AND RONNIE GRAY DRIVE IMPROVEMENTS
MANTENO, ILLINOIS

SECTION
00-00054-00-FP

DATE:	9/25/09	JOB NO. E06030	
SCALE:	N/A	FILE NO.	
DRAWN BY:	MRG	SHEET	9
CHECKED BY:	SRM		

⟨2⟩ Reused 4-9-10

STORM SEWER STRUCTURE SCHEDULE

102) STA: 77+60 30' LT
45"X29" RCP FES
INV = 673.77
102-100: 155 LF 45"X29" ELIP RCP @ 0.10%

103-149) NOT USED

150) STA: 96+75 30' LT
4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID
T/RIM = 685.99
12" E FL IN = 681.94
12" S FL OUT = 681.94
150-151: 10 LF 12" RCP @ 1.00%

151) STA: 96+75 20' LT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 685.44
12" N FL IN = 682.39
12" E FL IN = 682.04
12" W FL OUT = 682.04
151-152: 10 LF 12" RCP @ 1.00%
151-153A: 40 LF 12" RCP @ 1.00%

152) STA: 96+85 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 685.49
12" S FL OUT = 682.49

153) STA: 95+65 20' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 684.89
12" S FL IN = 681.74
12" W FL OUT = 681.74
153-154: 10 LF 12" RCP @ 1.00%

153A) STA: 96+75 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 685.44
12" N FL OUT = 682.44

154) STA: 95+55 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 684.84
12" N FL OUT = 681.84

155) STA: 94+00 30' LT
4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID
T/RIM = 684.61
12" E FL IN = 680.51
15" N FL IN = 680.93
15" S FL OUT = 680.11
155-156: 10 LF 12" RCP @ 1.00%
155-159: 165 LF 15" RCP @ 0.32%

156) STA: 94+00 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 684.06
12" E FL IN = 680.61
12" W FL OUT = 680.61
156-157: 40 LF 12" RCP @ 1.00%

157) STA: 94+00 20' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 684.06
12" N FL IN = 681.01
12" W FL OUT = 681.01
157-158: 10 LF 12" RCP @ 1.00%

158) STA: 94+10 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 684.11
12" S FL OUT = 681.11

159) STA: 95+65 30' LT
4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID
T/RIM = 685.44
12" E FL IN = 681.49
12" N FL IN = 681.46
15" S FL OUT = 681.46
159-153: 50 LF 12" RCP @ 0.50%
159-150: 110 LF 12" RCP @ 0.44%

160) STA: 107+00 30' LT
3' DIA. TYPE 'B' INLET W/TYPE 1 SPECIAL FRAME, OPEN LID
T/RIM = 684.13
12" NE FL IN = 681.81
15" S FL OUT = 681.69
160-164: 72 LF 12" RCP @ 1.00%
2

161-163) NOT USED

164) STA: 107+50 22' RT
2' DIA. TYPE 'A' INLET W/TYPE 1 SPECIAL FRAME, OPEN LID
T/RIM = 684.20
12" SW FL OUT = 682.53
2

165) STA: 105+20 30' LT
4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID
T/RIM = 684.71
12" E FL IN = 681.16
15" N FL IN = 681.11
18" S FL OUT = 681.11
165-166: 10 LF 12" RCP @ 1.00%
165-160: 180 LF 15" RCP @ 0.32%

166) STA: 105+20 20' LT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 684.16
12" N FL IN = 681.26
12" E FL IN = 681.26
12" W FL OUT = 681.26
166-167: 10 LF 12" RCP @ 1.00%
166-168: 40 LF 12" RCP @ 0.50%

167) STA: 105+30 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 684.21
12" S FL OUT = 681.36

168) STA: 105+20 20' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 684.16
12" N FL IN = 681.46
12" W FL OUT = 681.46
168-169: 10 LF 12" RCP @ 1.00%

169) STA: 105+30 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 684.21
12" S FL OUT = 681.56

170) STA: 104+00 30' LT
4' DIA. TYPE 'A' MANHOLE W/TYPE 1 SPECIAL FRAME, CLOSED LID
T/RIM = 684.25
12" E FL IN = 680.85
18" N FL IN = 680.80
24" S FL OUT = 680.80
170-171: 10 LF 12" RCP @ 0.50%
170-165: 120 LF 18" RCP @ 0.26%
2

171) STA: 104+00 20' LT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 683.70
12" N FL IN = 680.90
12" E FL IN = 680.90
12" W FL OUT = 680.90
171-172: 10 LF 12" RCP @ 1.00%
171-173: 40 LF 12" RCP @ 0.50%

172) STA: 104+10 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 683.70
12" S FL OUT = 681.00

173) STA: 104+00 20' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 683.70
12" N FL IN = 681.10
12" W FL OUT = 681.10
173-174: 10 LF 12" RCP @ 1.00%

174) STA: 104+10 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 683.70
12" S FL OUT = 681.20

175) STA: 102+90 30' LT
4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID
T/RIM = 684.66
12" E FL IN = 680.81
24" N FL IN = 680.60
24" S FL OUT = 680.60
175-176: 10 LF 12" RCP @ 1.00%
175-170: 110 LF 24" RCP @ 0.18%

176) STA: 102+90 20' LT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 684.11
12" S FL IN = 681.06
12" E FL IN = 680.91
12" W FL OUT = 680.91
176-177: 10 LF 12" RCP @ 1.00%
176-178: 40 LF 12" RCP @ 1.00%

177) STA: 102+80 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 684.16
12" N FL OUT = 681.16

178) STA: 102+90 20' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 684.11
12" S FL IN = 681.31
12" W FL OUT = 681.31
178-179: 10 LF 12" RCP @ 1.00%

179) STA: 102+80 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 684.16
12" N FL OUT = 681.41

180) STA: 101+00 30' LT
4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID
T/RIM = 685.61
12" E FL IN = 681.51
24" N FL IN = 680.26
24" S FL OUT = 680.26
180-181: 10 LF 12" RCP @ 1.00%
180-175: 190 LF 24" RCP @ 0.18%

181) STA: 101+00 20' LT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 685.06
12" S FL IN = 682.01
12" E FL IN = 681.61
12" W FL OUT = 681.61
181-182: 10 LF 12" RCP @ 1.00%
181-183: 40 LF 12" RCP @ 1.00%

182) STA: 100+90 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 685.11
12" N FL OUT = 682.11

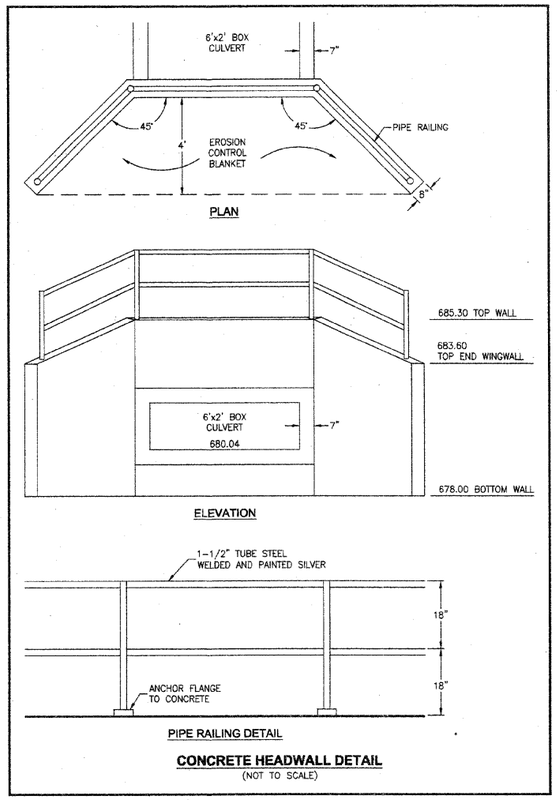
183) STA: 101+00 20' RT
3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE
EOP = 685.06
12" S FL IN = 682.01
12" W FL OUT = 682.01
183-184: 10 LF 12" RCP @ 1.00%

184) STA: 100+90 20' RT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 685.11
12" N FL OUT = 682.11

185) STA: 99+05 30' LT
4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID
T/RIM = 686.58
12" E FL IN = 682.93
24" N FL IN = 679.91
24" S FL OUT = 679.91
185-186: 10 LF 12" RCP @ 1.00%
185-180: 195 LF 24" RCP @ 0.18%

186) STA: 99+05 20' LT
2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE
EOP = 686.03
12" W FL OUT = 683.03

187) STA: 98+54 30' LT
CONNECT TO 2' x 6' BOX
INV = 679.82
187-185: 51 LF 24" RCP @ 0.18%



CONCRETE HEADWALL DETAIL
(NOT TO SCALE)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	59	10

CONTRACT NO. 87252

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

* RONNIE GRAY DRIVE (6502)
MAPLE STREET (6512)
** 00-00054-00-FP

TYSON ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS
LAND SURVEYORS
DESIGN FIRM LICENSE #184-001136
367 SOUTH SCHUYLER AVENUE
KANKAKEE, ILLINOIS 60901
PHONE (815) 932-7406

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	10/30/09	MRG	PER IDOT REVIEW
2	4/9/10	MRG	ADDENDUM

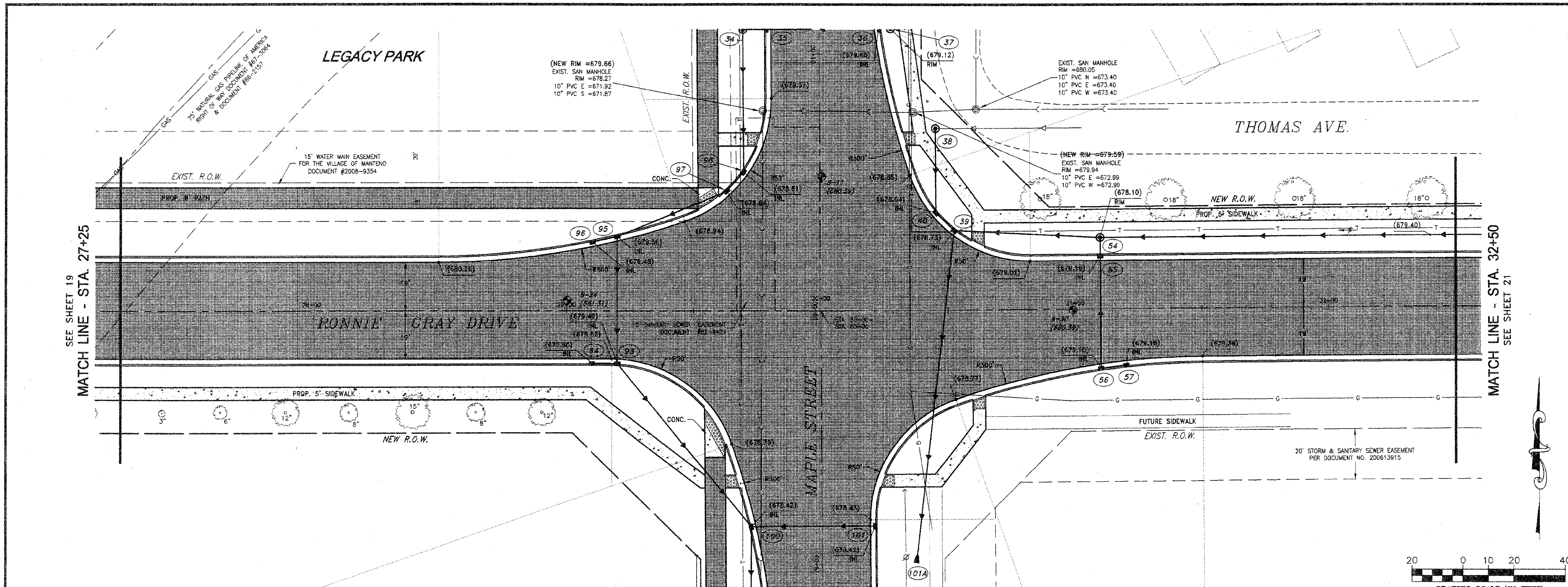
STORM SEWER STRUCTURE SCHEDULE

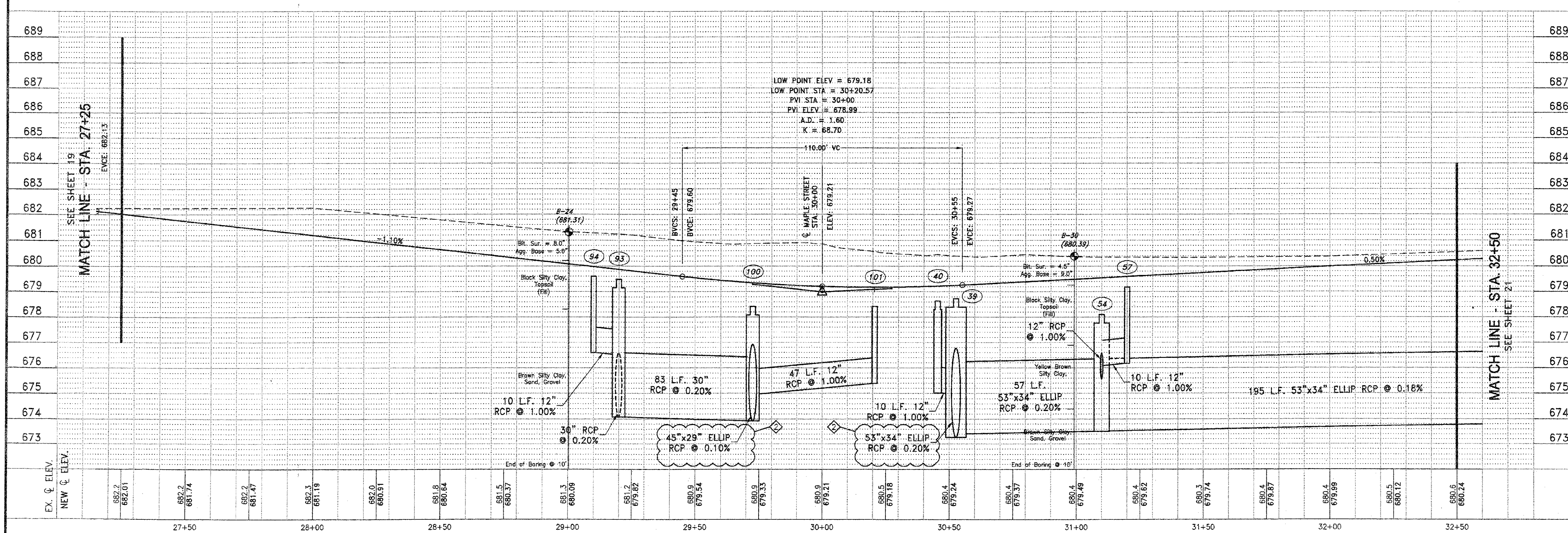
PROJECT:
VILLAGE OF MANTENO
MAPLE STREET AND RONNIE GRAY DRIVE IMPROVEMENTS
MANTENO, ILLINOIS

SECTION
00-00054-00-FP

DATE:	9/25/09	JOB NO. E06030
SCALE:	N/A	FILE NO.
DRAWN BY:	MRG	SHEET 10
CHECKED BY:	SRM	

2 revised 4-19-10





F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	59	20

CONTRACT NO. 87252

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

* RONNIE GRAY DRIVE (6502)
MAPLE STREET (6512)

** 00-00054-00-FP

TYSON ENGINEERING, INC.
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LAND SURVEYORS
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367 SOUTH SCHUYLER AVENUE
KANKAKEE, ILLINOIS 60901
PHONE (815) 932-7406

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	10/30/09	MRG	PER IDOT REVIEW
2	4/9/10	MRG	ADDENDUM

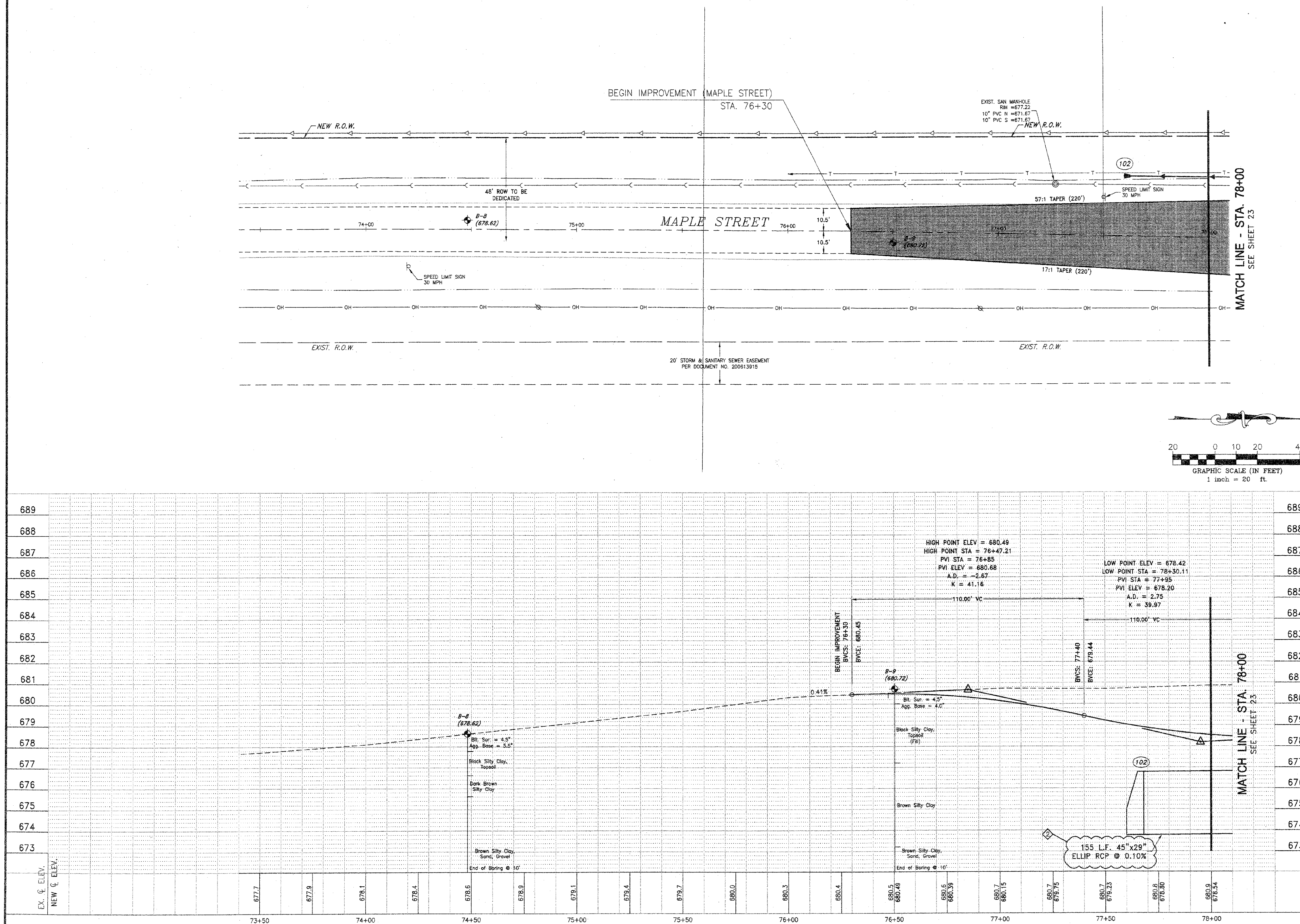
RONNIE GRAY DRIVE
PLAN AND PROFILE
STA. 27+25 TO STA. 32+50

PROJECT:
VILLAGE OF MANTENO
MAPLE STREET AND RONNIE GRAY DRIVE IMPROVEMENTS
MANTENO, ILLINOIS

SECTION
00-00054-00-FP

DATE: 9/25/09		JOB NO. E06030
SCALE: HORZ.: 1"=20' VERT.: 1"=2'		FILE NO.
DRAWN BY: MRG		SHEET 20
CHECKED BY: SRM		

2 revised 4/19/10



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	59	22

CONTRACT NO. 87252

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

* RONNIE GRAY DRIVE (6502)
MAPLE STREET (6512)

** 00-00054-00-FP

TYSON ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS
LAND SURVEYORS
DESIGN FIRM LICENSE #184-001136
367 SOUTH SCHUYLER AVENUE
KANKAKEE, ILLINOIS 60901
PHONE (815) 932-7406

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	10/30/09	MRG	PER IDOT REVIEW
2	4/9/10	MRG	ADDENDUM

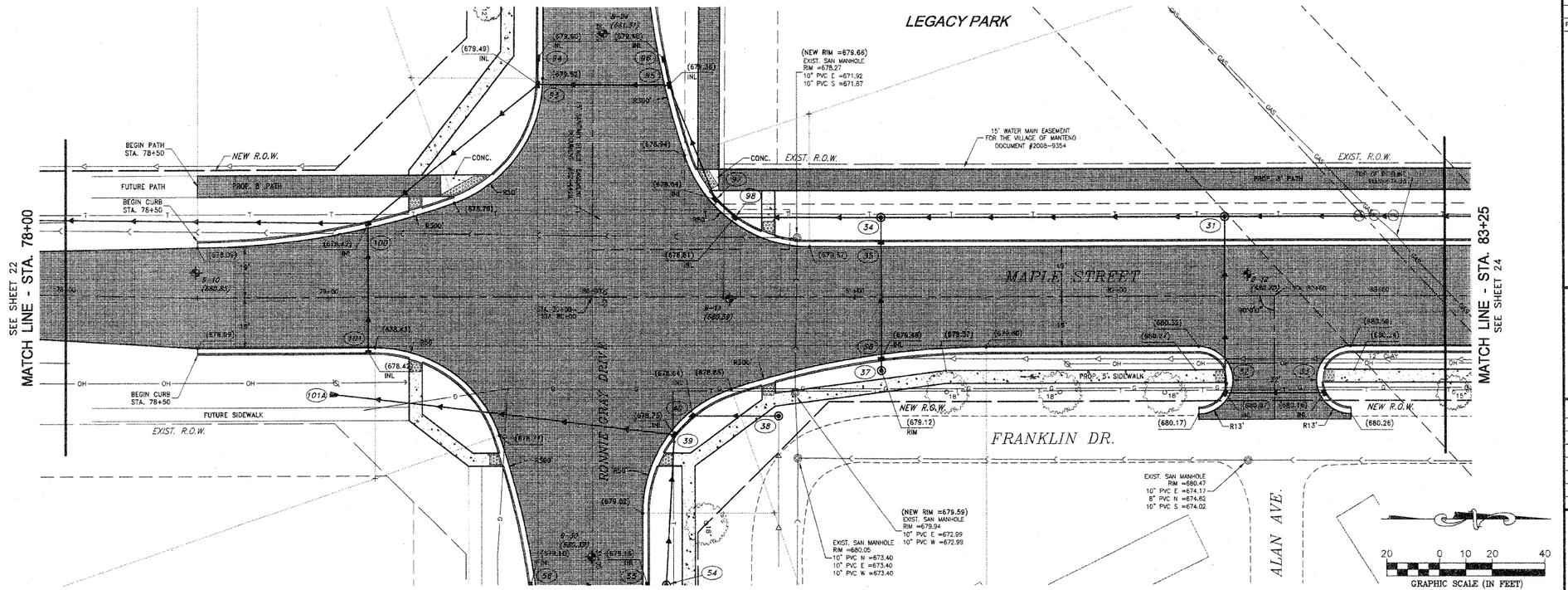
MAPLE STREET
PLAN AND PROFILE
STA. 73+50 TO STA. 78+00

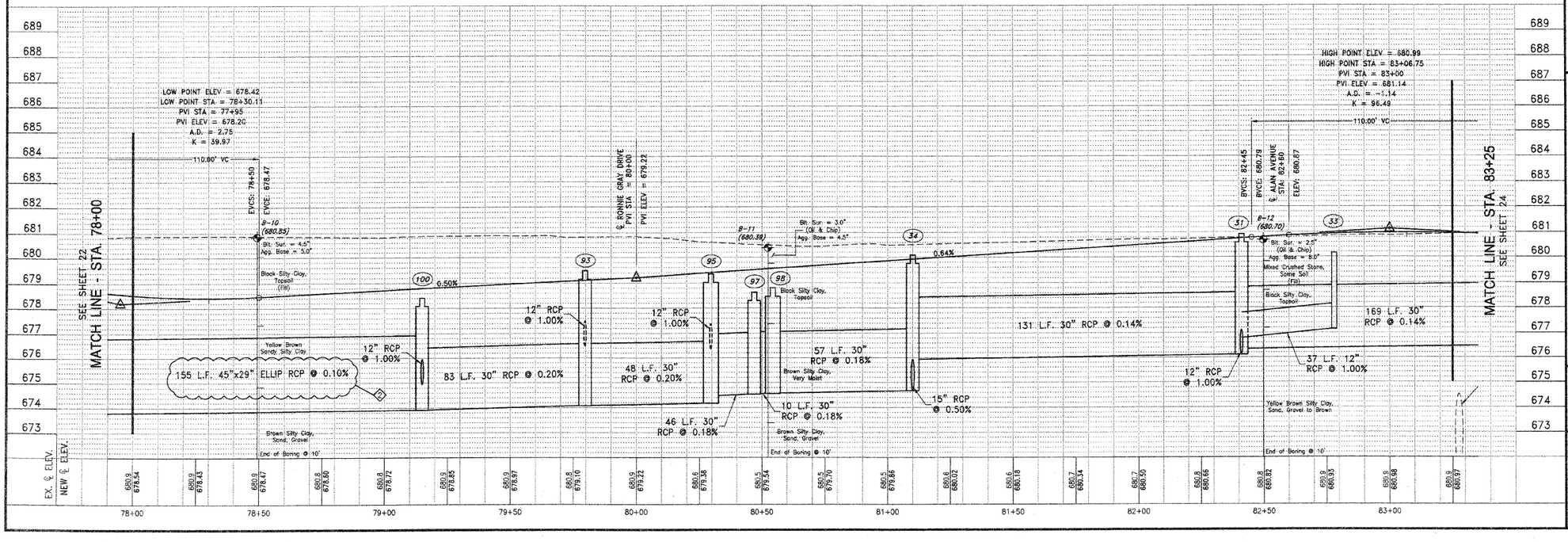
PROJECT:
VILLAGE OF MANTENO
MAPLE STREET AND RONNIE GRAY DRIVE IMPROVEMENTS
MANTENO, ILLINOIS

SECTION
00-00054-00-FP

DATE:	9/25/09	JOB NO.	E06030
SCALE:	HORZ.: 1"=20' VERT.: 1"=2'	FILE NO.	
DRAWN BY:	MRG	SHEET	22
CHECKED BY:	SRM		

(2) revised 4/9/10





F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	59	23

CONTRACT NO. 87252

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

* RONNIE GRAY DRIVE (6502)
MAPLE STREET (6512)

** 00-00054-00-FP

TYSON ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS AND LAND SURVEYORS
DESIGN FIRM LICENSE #184-001136
367 SOUTH SCHUYLER AVENUE
KANKAKEE, ILLINOIS 60901
PHONE (815) 932-7406

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	10/30/09	MRG	PER IDOT REVIEW
2	4/9/10	MRG	ADDENDUM

MAPLE STREET
PLAN AND PROFILE
STA. 78+00 TO STA. 83+25

PROJECT:
VILLAGE OF MANTENO
MAPLE STREET AND RONNIE GRAY DRIVE IMPROVEMENTS
MANTENO, ILLINOIS

SECTION 00-00054-00-FP

DATE: 9/25/09	JOB NO. E06030
SCALE: HORZ.: 1"=20' VERT.: 1"=2'	FILE NO.
DRAWN BY: MRG	SHEET 23
CHECKED BY: SRM	

[2] revised 4/9/10

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	59	24

CONTRACT NO. 87252

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

* RONNIE GRAY DRIVE (6502)
MAPLE STREET (6512)

** 00-00054-00-FP

TYSON ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS
LAND SURVEYORS
DESIGN FIRM LICENSE #184-001136
367 SOUTH SCHUYLER AVENUE
KANKAKEE, ILLINOIS 60901
PHONE (315) 932-7406

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	10/30/09	MRG	PER IDOT REVIEW
2	4/9/10	MRG	ADDENDUM

MAPLE STREET
PLAN AND PROFILE
STA. 83+25 TO STA. 88+50

PROJECT:
VILLAGE OF MANTENO
MAPLE STREET AND RONNIE GRAY DRIVE IMPROVEMENTS
MANTENO, ILLINOIS

SECTION
00-00054-00-FP

DATE: 9/25/09	JOB NO. E06030
SCALE: HORZ.: 1"=20' VERT.: 1"=2'	FILE NO.
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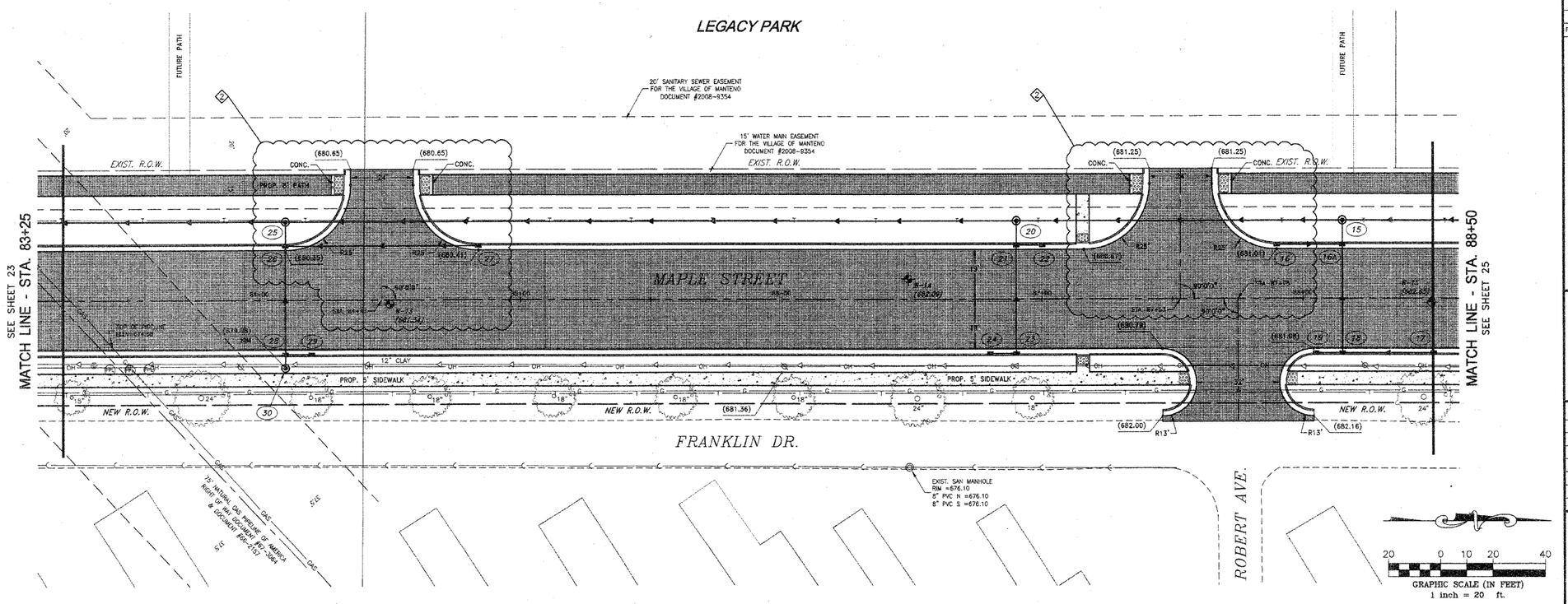
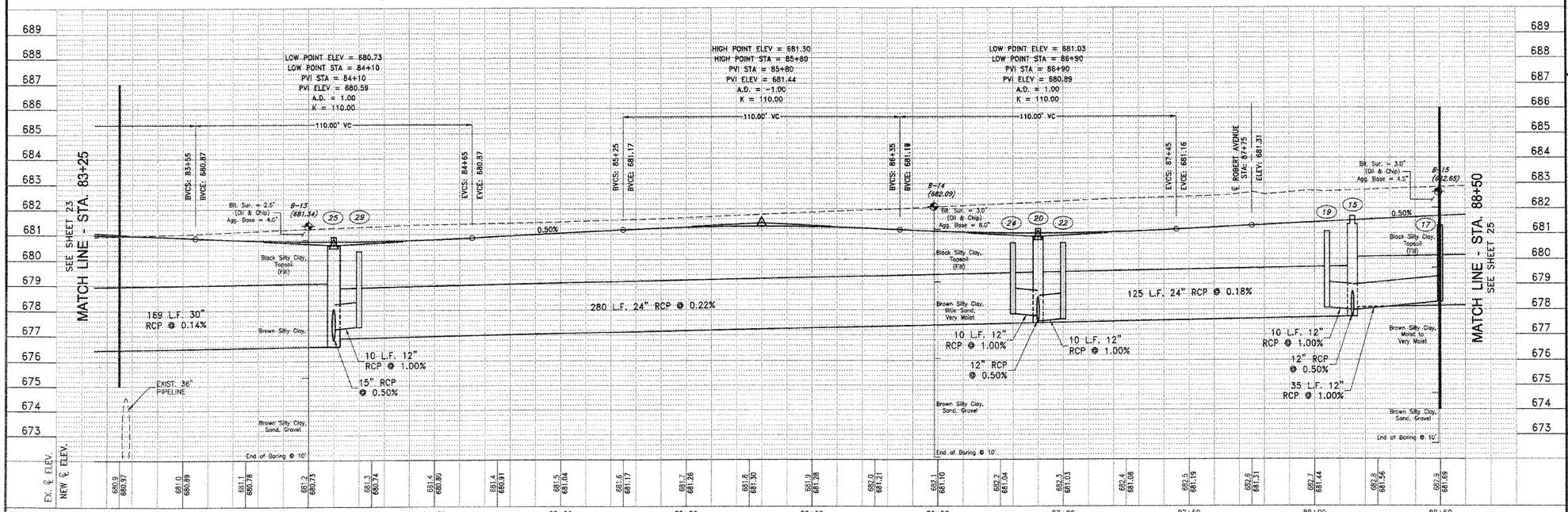
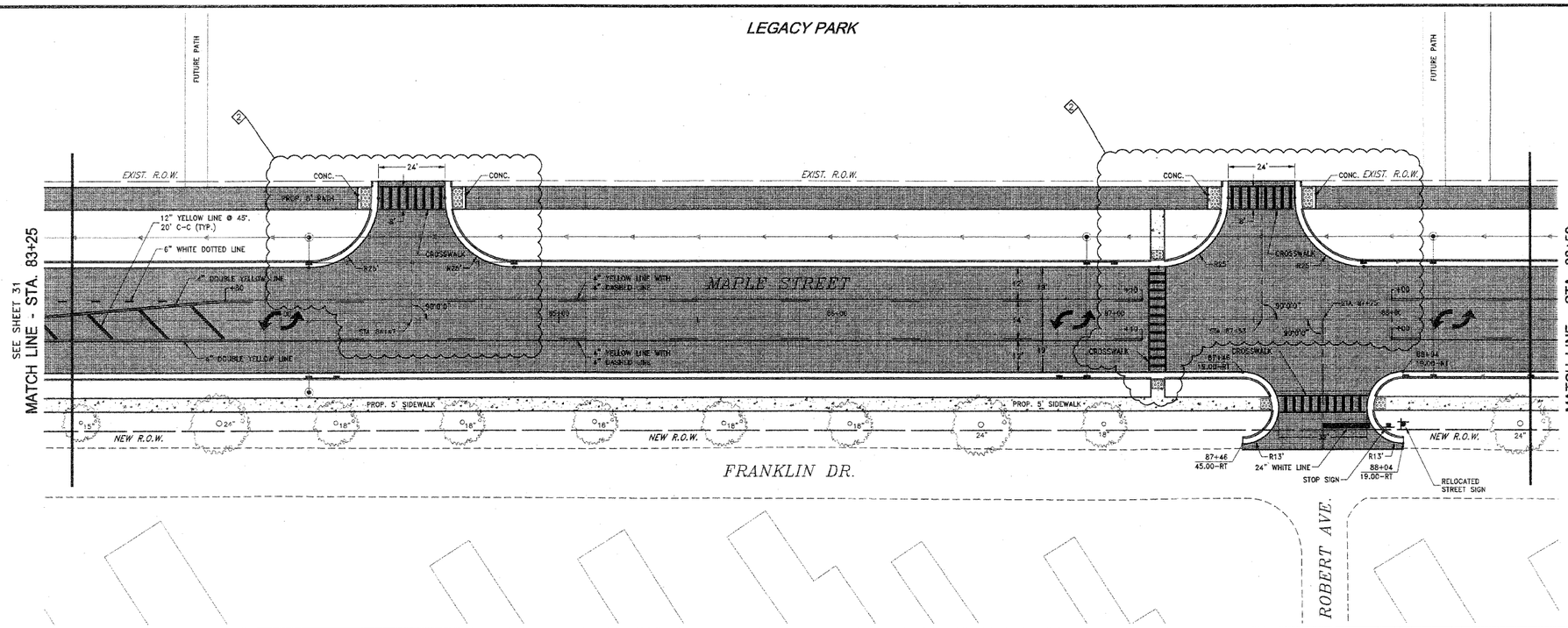
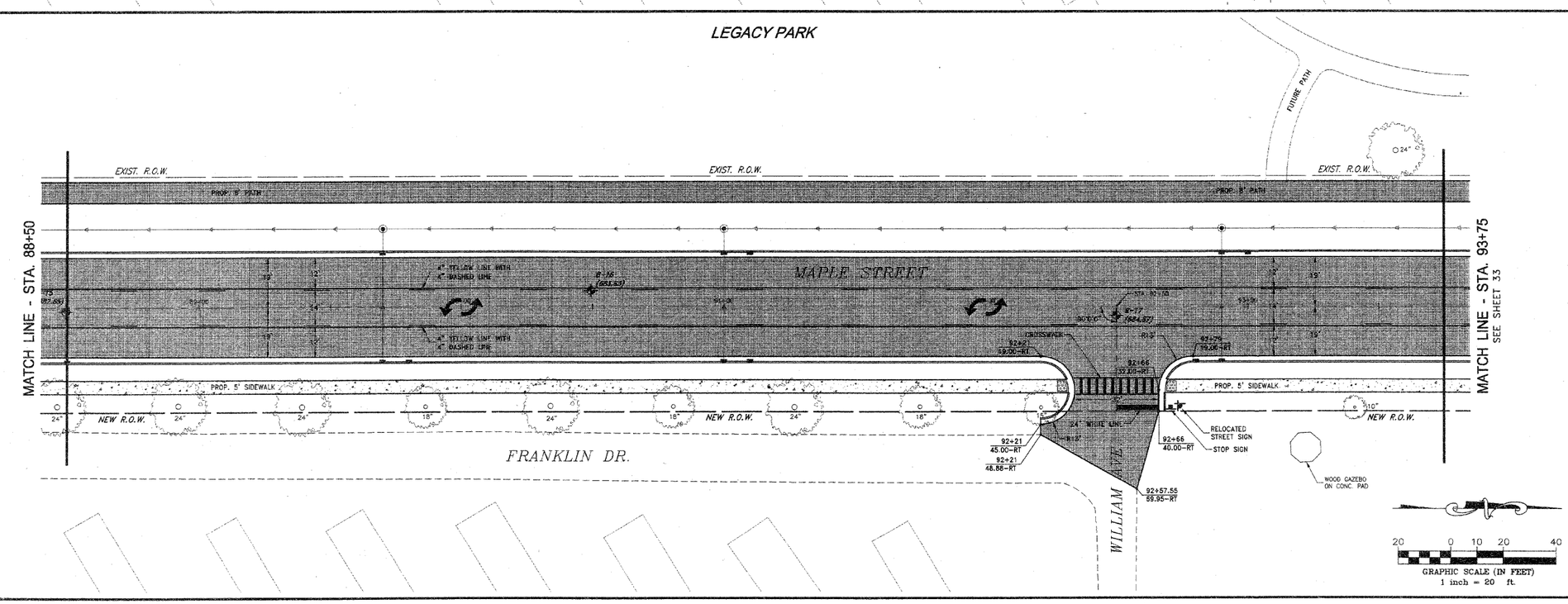
CHECKED BY: SRM	





Revised 4/9/10





F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	59	32

CONTRACT NO. 87252

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

* RONNIE GRAY DRIVE (6502)
MAPLE STREET (6512)

** 00-00054-00-FP

TYSON ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS
LAND SURVEYORS
DESIGN FIRM LICENSE #184-001136
367 SOUTH SCHUYLER AVENUE
KANKAKEE, ILLINOIS 60901
PHONE (815) 932-7406

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	10/30/09	MRG	PER IDOT REVIEW
2	4/9/10	MRG	ADDENDUM

MAPLE STREET
STRIPING AND SIGNAGE PLAN

PROJECT:
VILLAGE OF MANTENO
MAPLE STREET AND RONNIE GRAY DRIVE IMPROVEMENTS
MANTENO, ILLINOIS

SECTION
00-00054-00-FP

DATE: 9/25/09	JOB NO. E06030
SCALE: HORZ.: 1"=20' VERT.: N/A	FILE NO.
DRAWN BY: MRG	SHEET 32
CHECKED BY: SRM	

2 revised 4/19/10