

426(97) Production

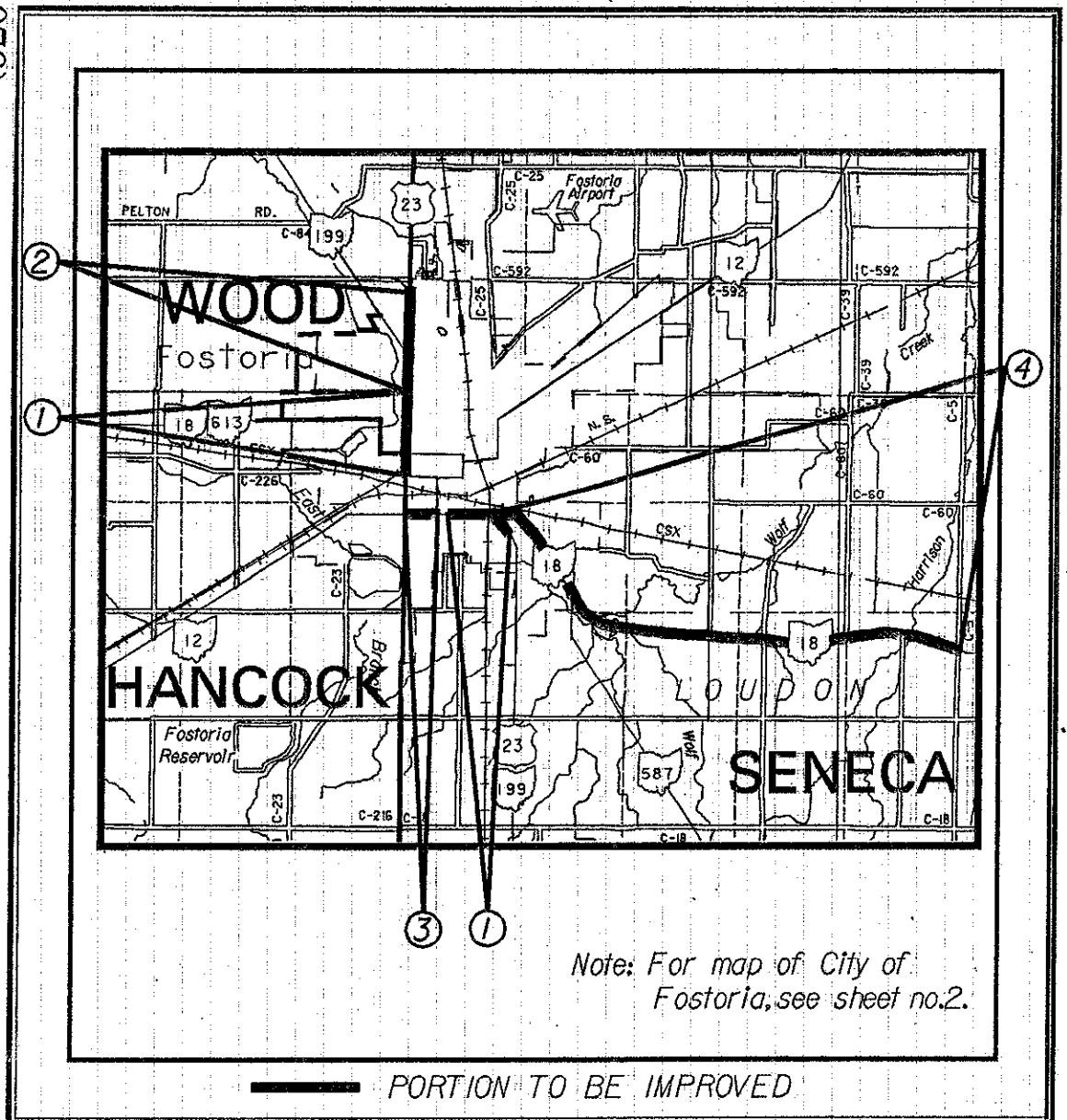
OHIO DEPARTMENT OF TRANSPORTATION

PLAN NO.
 metric units

2 - LANE ~ RESURFACING

LOCATION MAP

SEN-23-(18.070)
 970426
 06-04-97
 50PGS
 DIST. 02



Note: For map of City of Fostoria, see sheet no.2.



PART	COUNTY	ROUTE	SECTIONS	PROJECT TERMINI		NET LENGTH		
				BEGIN	END			
1	SEN	US 23	(18.070-18.652)	18+070	19+128	1,058		Fostoria
			(11.23-11.59)	11.73	11.89		English Units	
1	SEN	US 23	(20.284)	20+284	21+467	1,183		Fostoria
			(12.60)	12.60	13.34		English Units	
2	WOO	US 23	(0.000)	0+000	0+653	0,653		Fostoria
			(0.000)	0.00	0.41		English Units	
3	SEN	SR 12	(0.000)	0+000	0+420	0,420		Fostoria
			(0.00)	0.00	0.76		English Units	
4	SEN	SR 18	(2.148-3.959)4.748	2+148	9+920	7,772		Fostoria
			(1.31-2.46)2.95	1.33	2.16		English Units	

INDEX OF SHEETS:

- Title Sheet 1
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1995 SPECIFICATIONS

THE STANDARD 1995 SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND PROPOSALS SHALL GOVERN THESE IMPROVEMENTS.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THESE IMPROVEMENTS WILL REQUIRE THE CLOSING OF THE HIGHWAYS TO TRAFFIC ON PARTS NO. 1, 2 & 4 AND THAT DETOURS WILL BE PROVIDED BY STATE FORCES. THE CLOSING TO TRAFFIC OF THE HIGHWAYS WILL NOT BE REQUIRED ON PARTS NO. 3 AND PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS INDICATED IN THE PROPOSAL.

DESCRIPTION OF WORK
PARTS - (1-4)

UPGRADING US 23, SR 12 & SR 18 BY PERFORMING PAVEMENT PLANING, JOINT REPAIR AND RESURFACING THE EXISTING PAVEMENT.

UNDERGROUND UTILITIES
TWO WORKING DAYS BEFORE YOU DIG
CALL 1-800-362-2764 (TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS MUST BE CALLED DIRECTLY.

PLAN PREPARED BY:
OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT No. 2

DESIGNER: JUANITA HUSS
DESIGN TECHNICIANS: FRED JUDSON ANDI SEARS

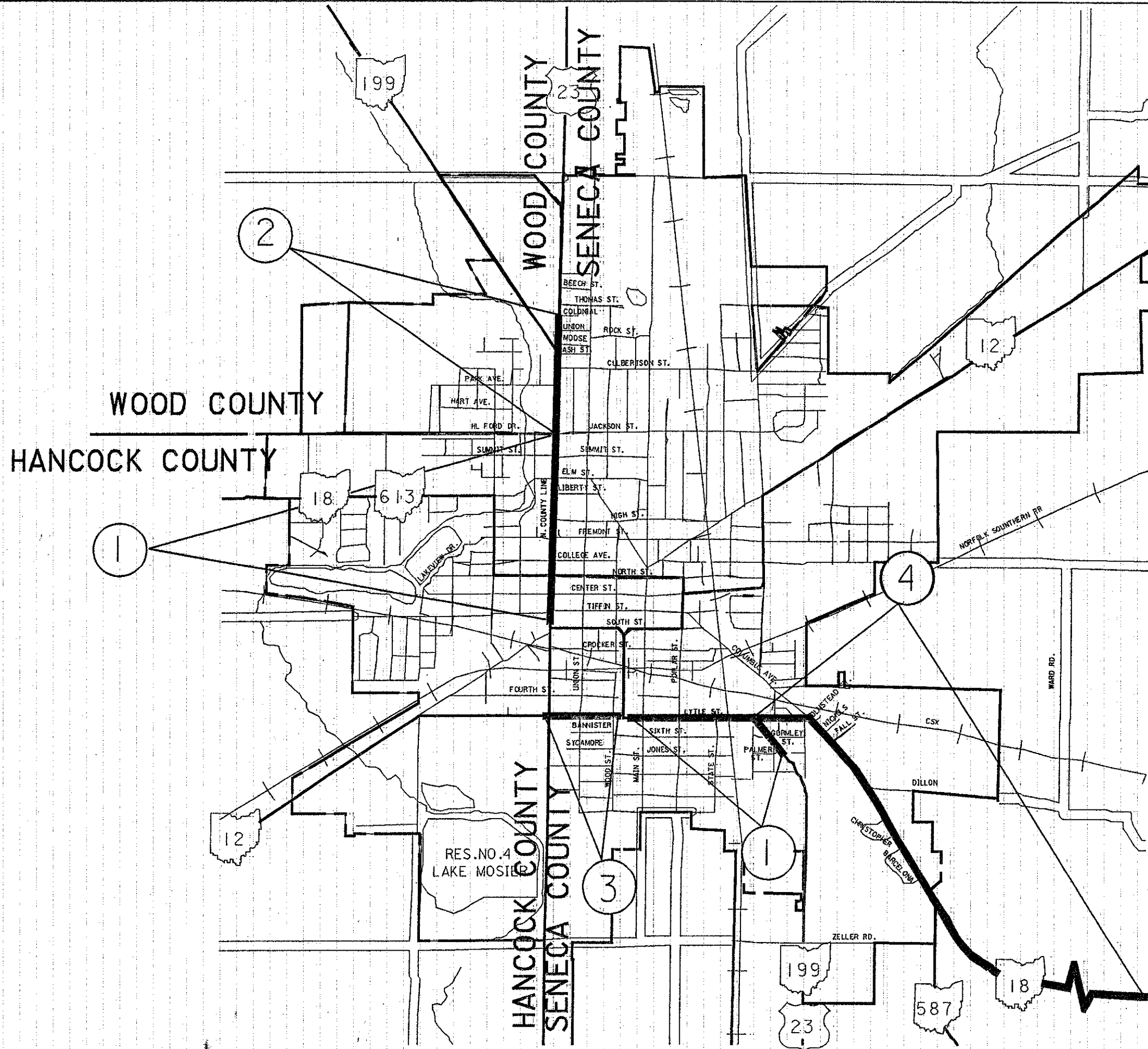
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BP-2.5M	10/28/94	MT-97.11M	01/30/95	1055	12/30/96
BP-3.1M	10/28/94	MT-99.10M	01/30/95		
BP-5.1M	10/28/94	MT-99.20	01/30/95		
MT-95.31M	4/25/94	TC-65.10M	11/01/95		
MT-95.32M	04/25/94	TC-65.12M	11/01/95		
MT-97.10M	04/25/94	TC-71.10M	09/01/93		

SUPPLEMENTAL SPECIFICATIONS	

APPROVED *Lamar J. McCarty*
DATE 2/22/97 DISTRICT DEPUTY DIRECTOR
APPROVED *[Signature]*
DATE 2/19/97 DIRECTOR OF DEPARTMENT OF TRANSPORTATION

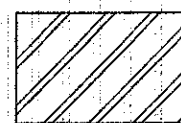
FEDERAL PROJECT NO.
 PID NO. 16628
 CONSTRUCTION PROJECT NO.
 TITLE SHEET
 SEN-23-(18.070)(20.284)
 W00-23-0.000
 SEN-12-0.000 SEN-18-2.108
 1/50

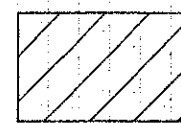
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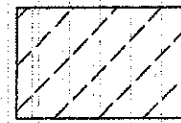


SCHEMATIC PLAN
PART I (SHEET 1 OF 3)

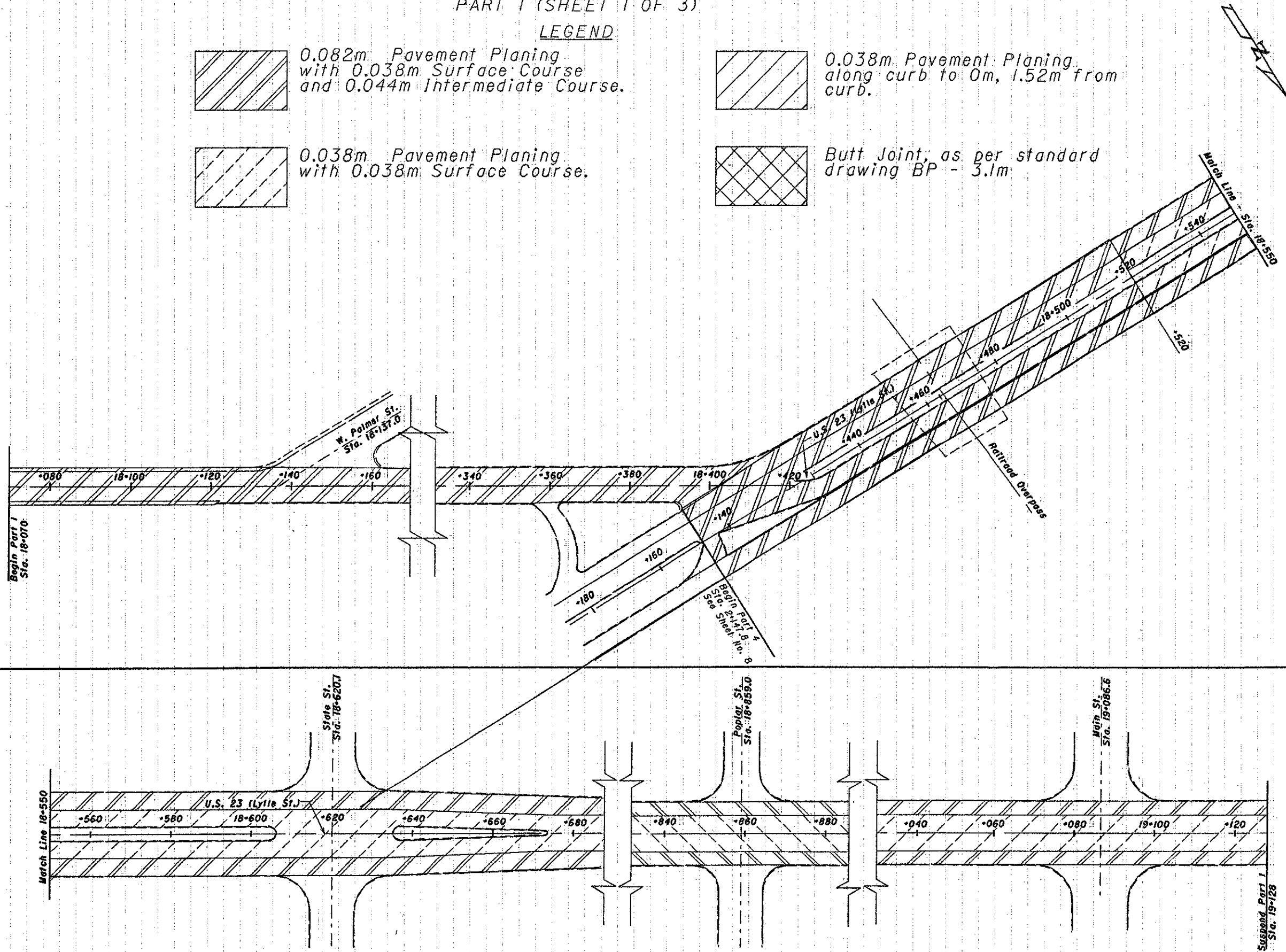
LEGEND

 0.082m Pavement Planing with 0.038m Surface Course and 0.044m Intermediate Course.

 0.038m Pavement Planing along curb to 0m, 1.52m from curb.

 0.038m Pavement Planing with 0.038m Surface Course.

 Butt Joint, as per standard drawing BP - 3.1m



sen2318m.dgn

DESIGNED BY
JEH

PLAN NO.

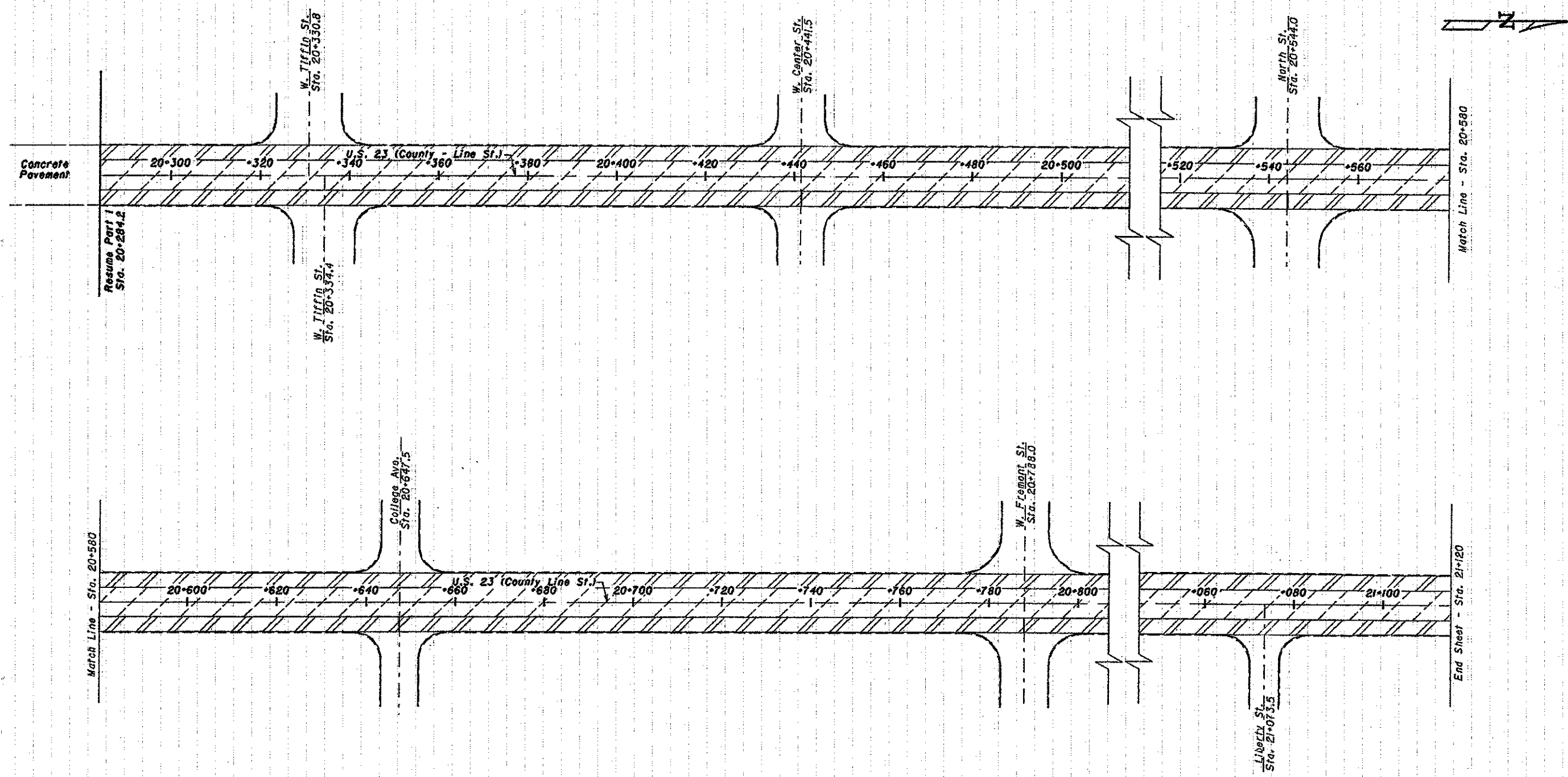
SCHEMATIC SHEET - PART I

SEN-23-18-070(120-284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108

3
50

Note: For Quantities, see sheet no. 12 & 16

SCHMATIC PLAN
PART 1 (SHEET 2 OF 3)



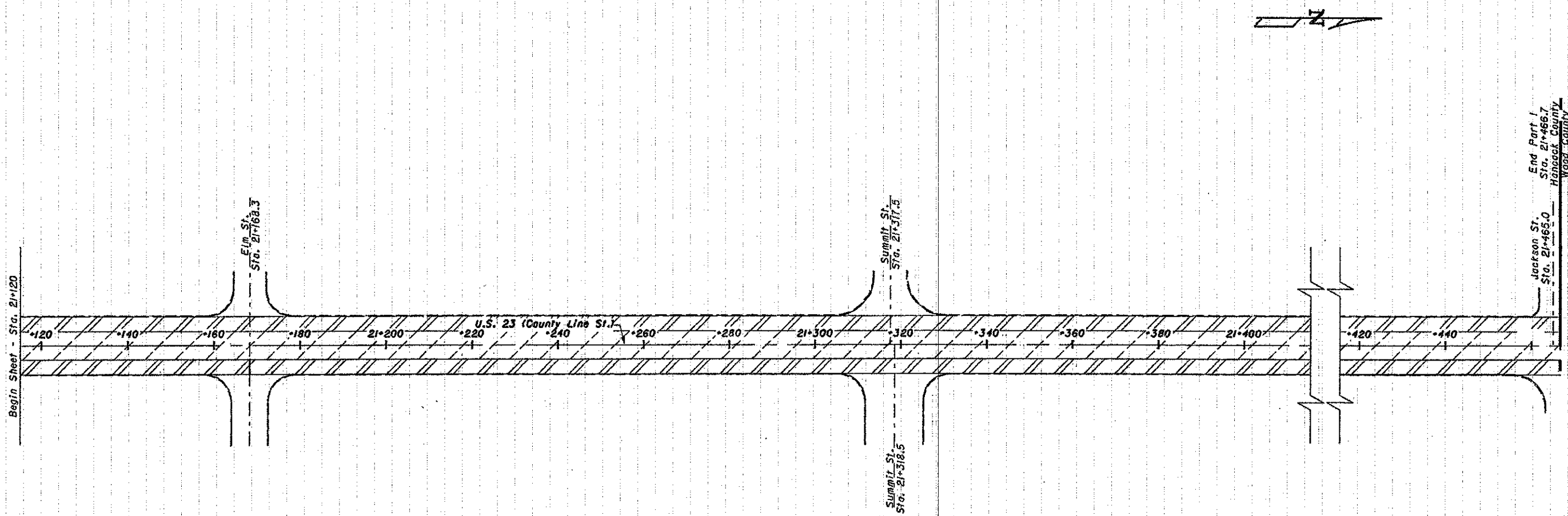
Note: For Quantities, see sheet no. 12 & 16
See Legend, Sheet No. 3

sen23m.dgn

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4			
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SCHMATIC PLAN PART 1 (SHEET 3 OF 3)



Note: For Quantities, see sheet no. 12 & 16
See Legend, Sheet No. 3

DESIGNED
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ALS

PLAN NO.

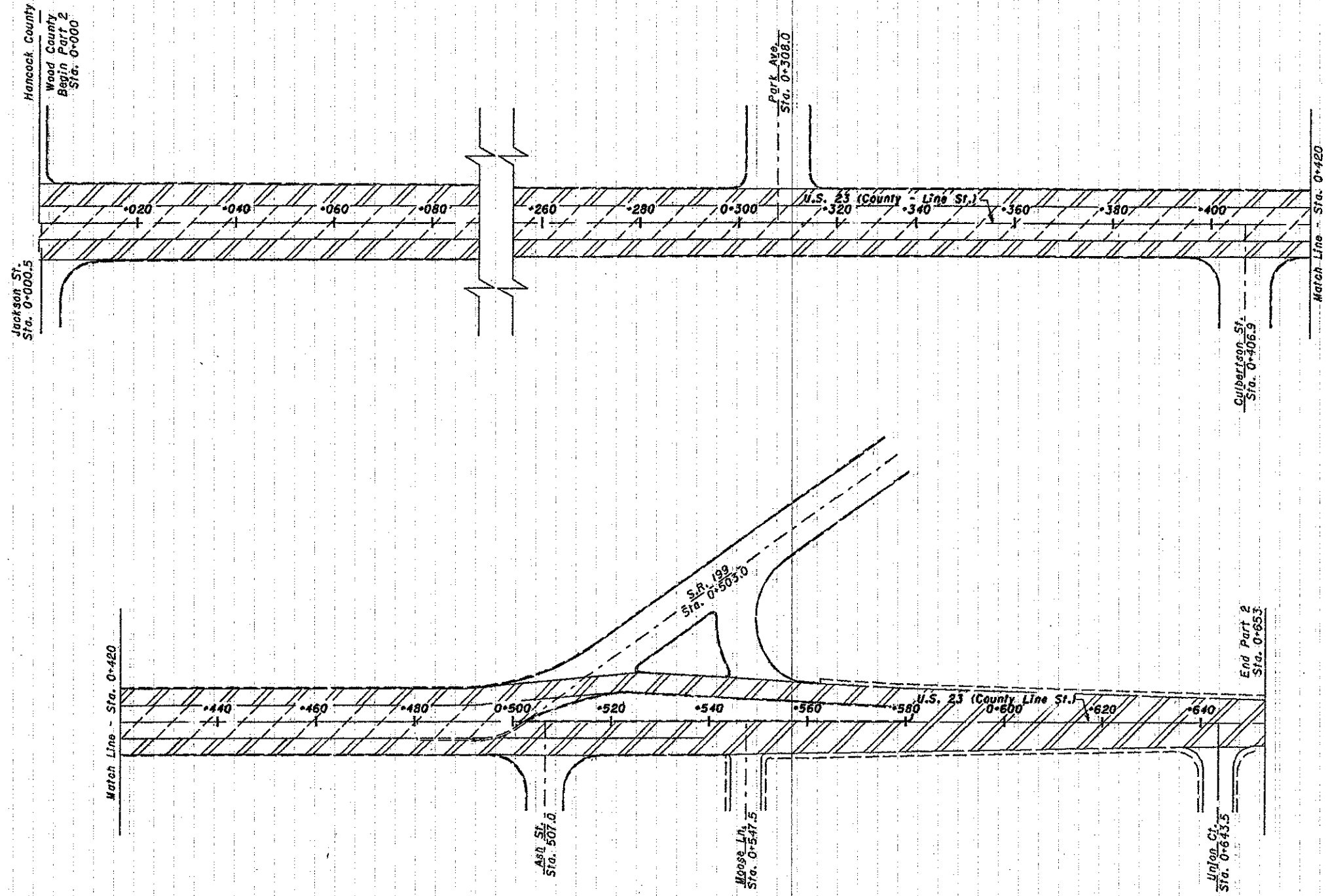
SCHMATIC SHEET - PART 1

SEN-23-18.070(20.284)
W00-23-0.000
SEN-12-0.000 SEN-16-2.108

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sen23m.dgn

SCHEMATIC PLAN PART 2 (SHEET 1 OF 1)



Note: For Quantities, see sheet no. 13 & 16
See Legend, Sheet No. 3

DESIGNED BY
JEH

PLAN NO.

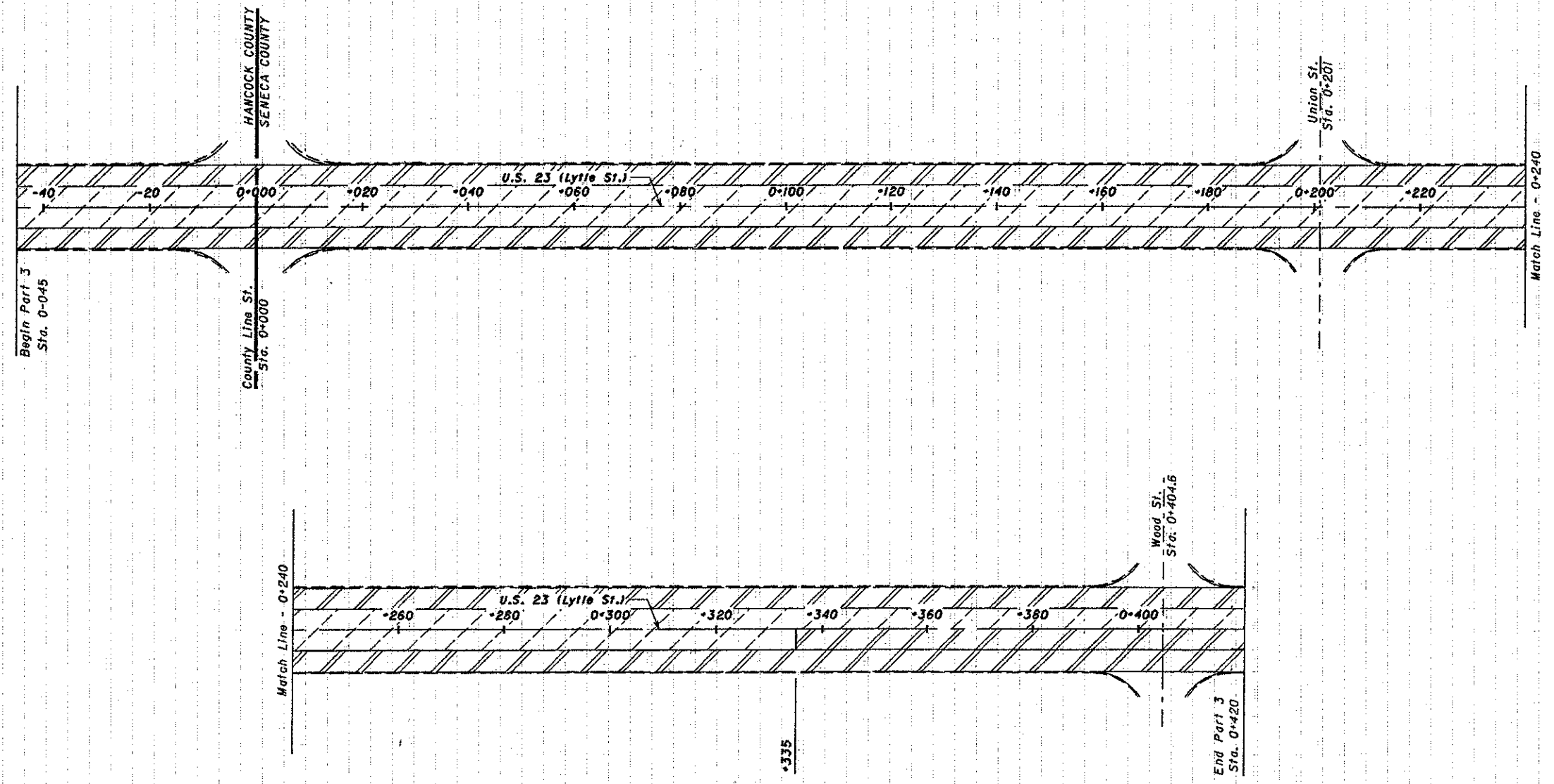
SCHEMATIC SHEET - PART 2

SEN-23-18.0701(20.284)
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SEN-12-0.000 SEN-18-2.108

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SCHEMATIC PLAN PART 3 (SHEET 1 OF 1)

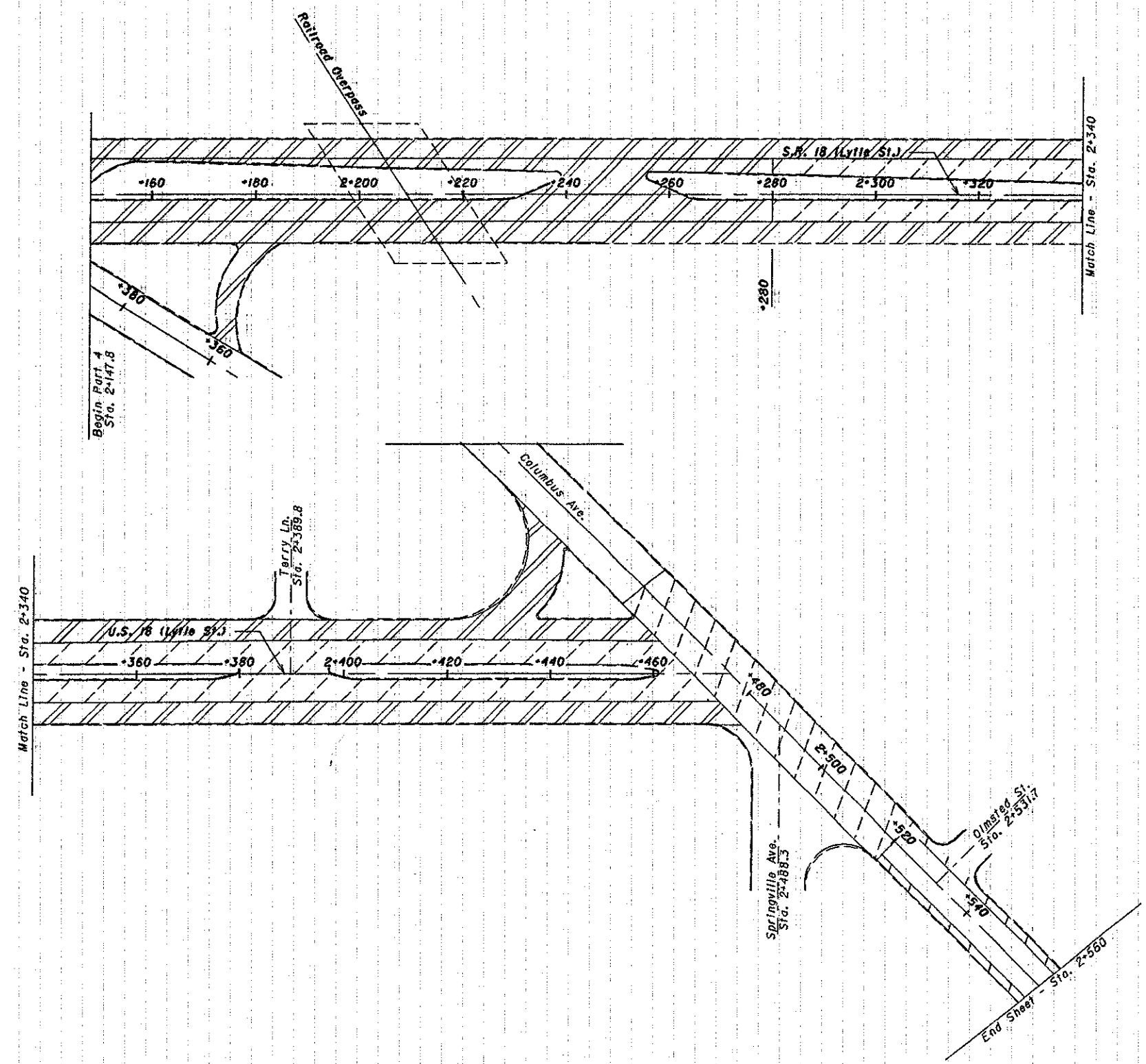


Note: For Quantities, see sheet no. 14
See Legend, Sheet No. 3.

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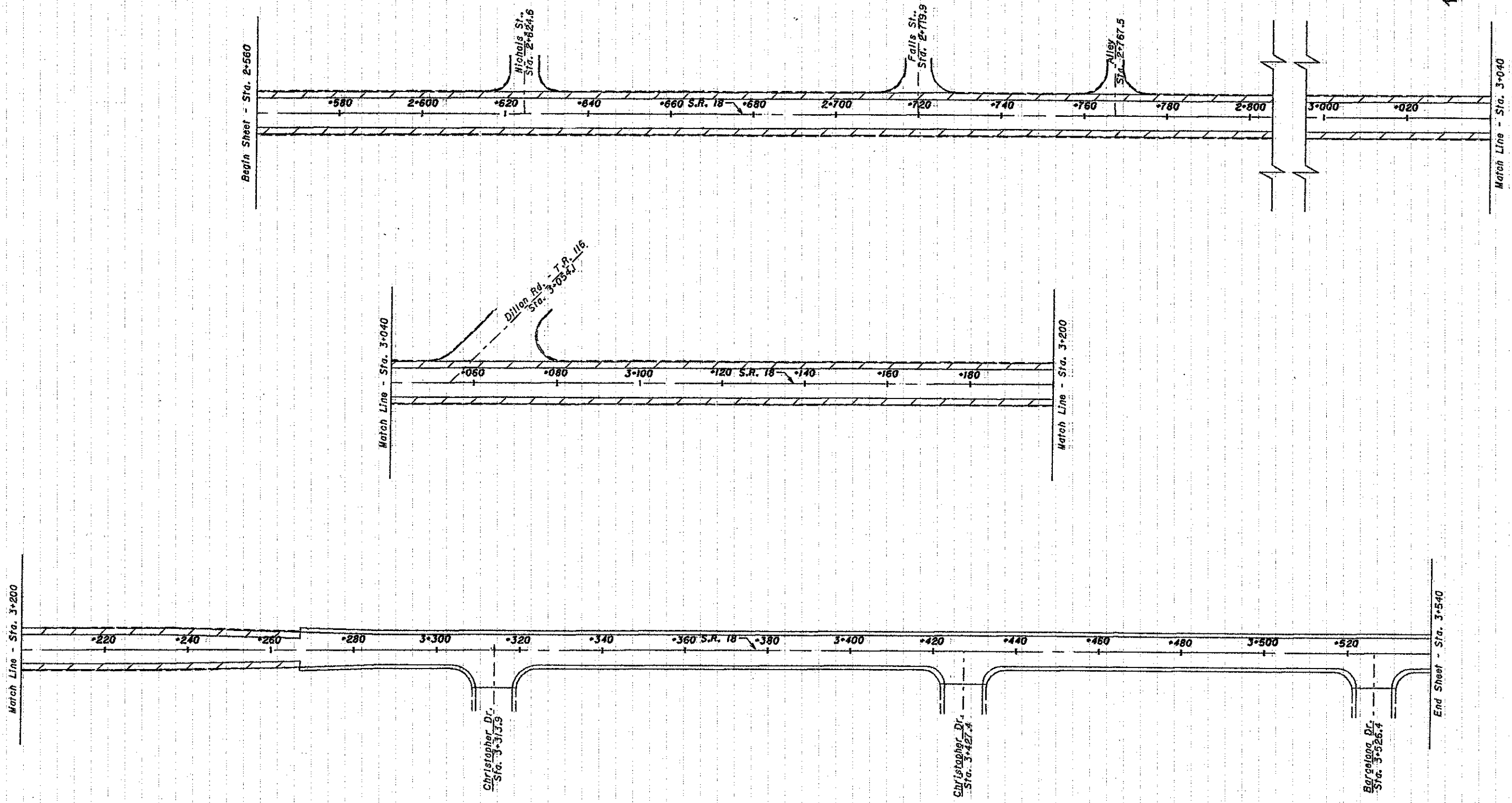
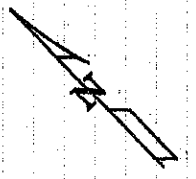
SCHMATIC PLAN PART 4 (SHEET 1 OF 4)



Note: For Quantities, see sheet no. 15 & 16
See Legend, Sheet No. 3

	PLAN NO.
	SCHMATIC SHEET - PART 4
SEN-23-(18,070)(20,284) W00-23-0,000 SEN-12-0,000 SEN-18-2,108	

SCHMATIC PLAN
PART 4 (SHEET 2 OF 4)



Note: For Quantities, see sheet No. 15 & 16
See Legend, Sheet No. 3

DESIGNED BY
JEH
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PLAN NO.
SCHMATIC SHEET - PART 4

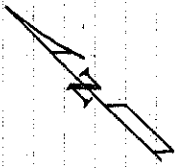
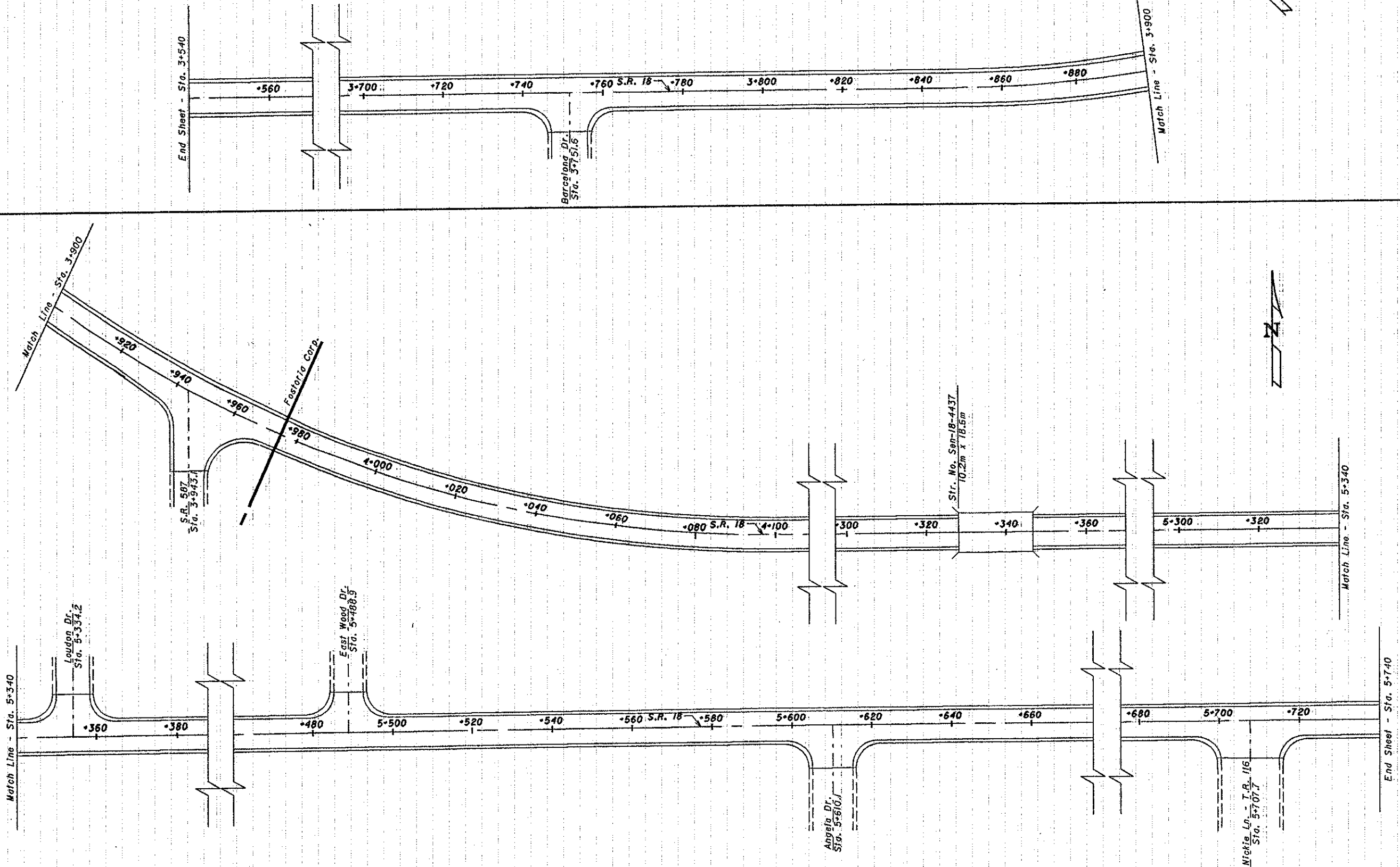
SEN-23-18070(20.284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108

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SCHEMATIC PLAN PART 4 (SHEET 3 OF 4)

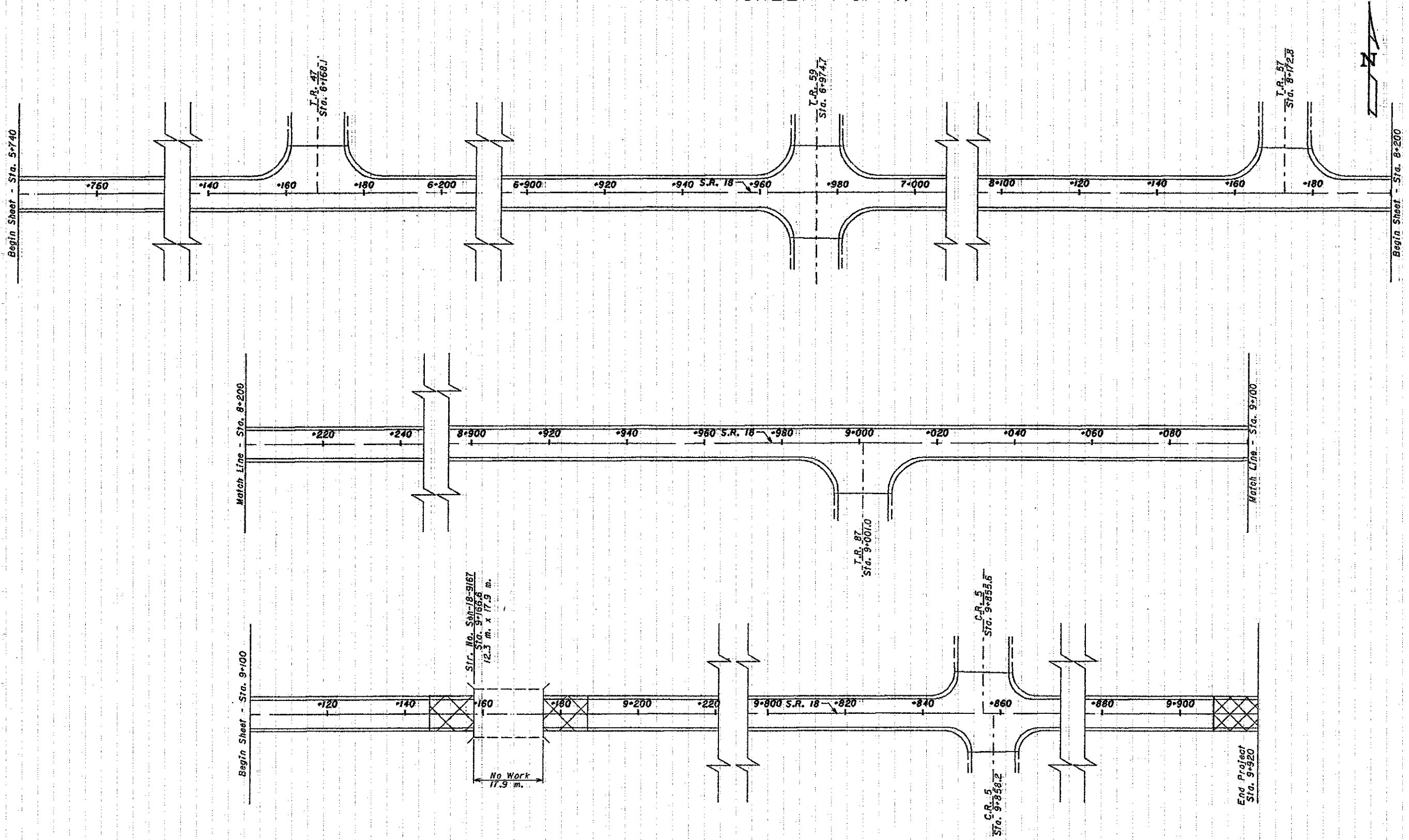


Note: For Quantities, see sheet No. 15 & 16
See Legend, Sheet No. 3.

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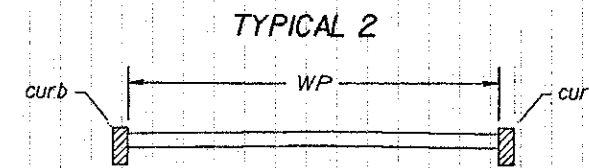
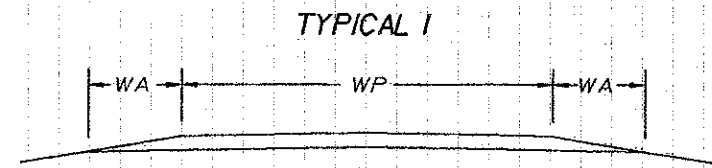
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SCHEMATIC PLAN PART 4 (SHEET 4 OF 4)



Note: For Quantities, see sheet No. 15 & 16
See Legend, Sheet No. 3

	PLAN NO. SCHEMATIC SHEET - PART 4	SEN-23-18.0701(20.284) W00-23-0.000 SEN-12-0.000 SEN-18-2.108
	JEH ALS	



▲ SMA with SBS Polymer

* 0.23 lit./sq. meter

⊗ Quantities include 0.23 lit./sq. meter prior to the first course and 0.08 lit./sq. meter prior to the second course.

⊠ Note: Quantity determined using computer
See sheet no. 3-5 for Schematic Plan
See sheet no. 23-34 for Pavement Details

PAVEMENT DATA

SIDE	PART	ROUTE	STATION		LENGTH METER	WP		TYPICAL	EXISTING TYPE PAVEMENT	PAVEMENT AREA		PROPOSED PAVEMENT				254 BITUMINOUS PAVEMENT PLANING SQ. METER	604 CATCH BASIN ADJUSTED TO GRADE EACH	604 MANHOLE ADJUSTED TO GRADE EACH	604 INLET ADJUSTED TO GRADE EACH	638 VALVE BOX ADJUSTED TO GRADE EACH		
			FROM	TO		OUTSIDE	INSIDE			OUTSIDE	INSIDE	446 ASPHALT CONCRETE										
						METER	METER			SO. METER	SO. METER	407 TACK COAT USING SS 924		AVG. THICK	SURFACE COURSE						AVG. THICK	INTER- MEDIATE COURSE
												⊗	*	METER	CU. METER						METER	CU. METER
Rt. & Lt.	1	US 23	18+070	18+125.5	55.5	7.80 Avg.		1	ASPH. CONC.	433		134		0.038	16	0.044	19	433				
Rt. & Lt.	1	US 23	18+125.5	18+342	216.5	8.35 Avg.		2	ASPH. CONC.	1808		561		0.038	69	0.044	80	1808			6	
Rt. & Lt.	1	US 23	18+342	18+385	43	8.60 Avg.		2	ASPH. CONC.	370		115		0.038	14	0.044	16	370		1		
Rt. & Lt.	1	US 23	18+385	18+426	41	⊠		2	ASPH. CONC.	724		224		0.038	28	0.044	32	724			2	
Rt. & Lt.	1	US 23	18+426	18+504.5	78.5	16.70		2	ASPH. CONC.	1311		406		0.038	50	0.044	58	1311				
Rt. & Lt.	1	US 23	18+504.5	18+520	15.5	17.20		2	ASPH. CONC.	267		83		0.038	10	0.044	12	267			2	
Rt. & Lt.	1	US 23	18+520	18+606.2	86.2	8.60	8.60	2	ASPH. CONC.	741	741	230	170	0.038	56	0.044	33	1482				
Rt. & Lt.	1	US 23	18+606.2	18+640	33.8	8.60	12.30	2	ASPH. CONC.	291	416	90	96	0.038	27	0.044	13	706				
Rt. & Lt.	1	US 23	18+640	18+673.6	33.6	8.60	9.15	2	ASPH. CONC.	289	307	90	71	0.038	23	0.044	13	596				
Rt. & Lt.	1	US 23	18+673.6	18+710	36.4	8.60	8.50	2	ASPH. CONC.	313	309	97	71	0.038	24	0.044	14	622				
Rt. & Lt.	1	US 23	18+710	18+790	80	8.00	8.00	2	ASPH. CONC.	640	640	198	147	0.038	48	0.044	28	1272	1		1	
Rt. & Lt.	1	US 23	18+790	18+880	90	8.00	8.00	2	ASPH. CONC.	720	720	223	166	0.038	55	0.044	32	1436		1	2	
Rt. & Lt.	1	US 23	18+880	19+128	248	8.00	8.00	2	ASPH. CONC.	1984	1984	615	456	0.038	151	0.044	87	3968				
Suspend Project																						
Rt. & Lt.	1	US 23	20+284.2	20+525	240.8	6.60	6.80	2	ASPH. CONC.	1589	1637	493	377	0.038	123	0.044	70	3227		1	5	1
Rt. & Lt.	1	US 23	20+525	20+981	456	6.80	6.80	2	ASPH. CONC.	3100	3100	961	713	0.038	236	0.044	136	6202		2	6	1
Rt. & Lt.	1	US 23	20+981	21+100	119	7.00	6.80	2	ASPH. CONC.	833	809	258	186	0.038	62	0.044	37	1642		1	2	
Rt. & Lt.	1	US 23	21+100	21+455	355	7.00	6.70	2	ASPH. CONC.	2485	2379	770	547	0.038	184	0.044	109	4846		2	6	
Rt. & Lt.	1	US 23	21+455	21+466.7	11.7	6.80	6.70	2	ASPH. CONC.	80	78	25	18	0.038	6	0.044	4	158				
Part I Totals - Carried to General Summary									31,098	8591	1182	793	31,070	1	8	32	2					

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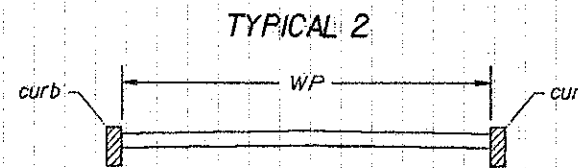
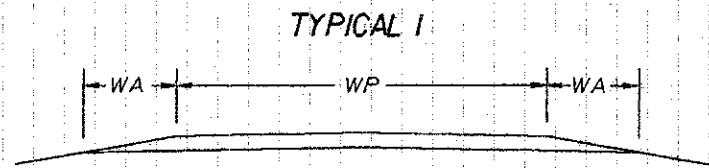
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PLAN NO.

PAVEMENT DATA ~ PART I

SEN-23-18.070X(20.284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108

12
50



▲ SMA with SBS Polymer

× 0.23 lit/sq. meter

⊗ Quantities include 0.23 lit./sq. meter prior to the first course and 0.08 lit./sq. meter prior to the second course.

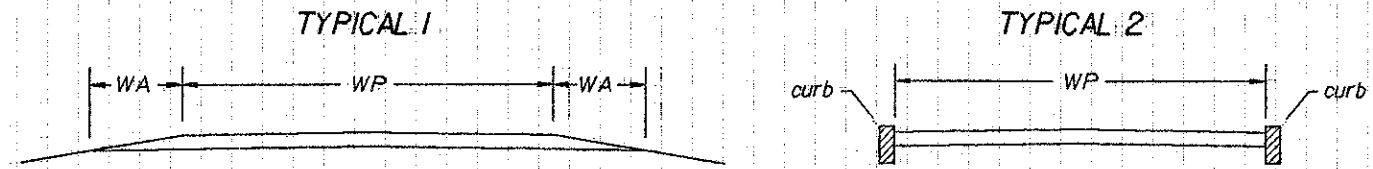
Note: See sheet no. 6 for Schematic Plan
See sheet no. 23-34 for Pavement Details

PAVEMENT DATA

SIDE	PART	ROUTE	STATION		LENGTH METER	WP		TYPICAL	EXISTING TYPE PAVEMENT	PAVEMENT AREA		PROPOSED PAVEMENT				254 BITUMINOUS PAVEMENT PLANING SQ. METER	604 MANHOLE ADJUSTED TO GRADE EACH	604 INLET ADJUSTED TO GRADE EACH		
			FROM	TO		OUTSIDE METER	INSIDE METER			OUTSIDE SQ. METER	INSIDE SQ. METER	407		446						
												TACK COAT USING SS 924		ASPHALT CONCRETE:						
												⊗ LITER	× LITER	AVG. THICK METER	SURFACE COURSE ▲ CU. METER				AVG. THICK METER	INTER- MEDIATE COURSE ▲ CU. METER
Rt. & Lt.	2	US 23	0+000	0+480.6	480.6	6.60	6.80	2	ASPH. CONC.	3172	3268	983	752	0.038	245	0.044	140	6440	1	8
Rt.	2	US 23	0+480.6	0+501.5	20.9	3.35 Avg.		2	ASPH. CONC.	70		22		0.038	3	0.044	3	70		1
Lt.	2	US 23	0+480.6	0+501.5	20.9	3.30	7.15	2	ASPH. CONC.	69	149	21	34	0.038	8	0.044	3	218		1
Rt.	2	US 23	0+501.5	0+527.3	25.8	5.15 Avg.		2	ASPH. CONC.	133		41		0.038	5	0.044	6	133		
Lt.	2	US 23	0+501.5	0+525.1	23.6	7.45 Avg.		2	ASPH. CONC.	176		55		0.038	7	0.044	8	176		
Rt.	2	US 23	0+527.3	0+562.7	35.4	6.80		2	ASPH. CONC.	241		75		0.038	9	0.044	11	241		
Lt.	2	US 23	0+525.1	0+562.7	37.6	3.80 Avg.		2	ASPH. CONC.	143		44		0.038	5	0.044	6	143		1
Rt. & Lt.	2	US 23	0+562.7	0+581.6	18.9	10.10 Avg.		1	ASPH. CONC.	191		59		0.038	7	0.044	8	191		
Rt. & Lt.	2	US 23	0+581.6	0+600	18.4	8.75 Avg.		1	ASPH. CONC.	161		50		0.038	6	0.044	7	161		
Rt. & Lt.	2	US 23	0+600	0+636	36.0	7.80 Avg.		1	ASPH. CONC.	281		87		0.038	11	0.044	12	281		
Rt. & Lt.	2	US 23	0+636	0+653	17.0	7.40 Avg.		1	ASPH. CONC.	126		39		0.038	5	0.044	6	126		
Part 2 Totals - Carried to General Summary										8180		2262		311		210		8180	1	11

CHECKED: JEH
 PLAN NO. 13/50
 PAVEMENT DATA ~ PART 2
 SEN-23-18.07.01(20.284)
 W00-23-0.000
 SEN-12-0.000 SEN-18-2.108

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▲ SMA with SBS Polymer

× 0.23 lit./sq. meter

⊗ Quantities include 0.23 lit./sq. meter prior to the first course and 0.08 lit./sq. meter prior to the second course.

Note: See sheet no. 7 for Schematic Plan
See sheet no. 23-34 for Pavement Details

PAVEMENT DATA

SIDE	PART	ROUTE	STATION		LENGTH METER	WP		TYPICAL	EXISTING TYPE PAVEMENT	PAVEMENT AREA		PROPOSED PAVEMENT				254 BITUMINOUS PAVEMENT PLANING SQ. METER	604 MANHOLE ADJUSTED TO GRADE EACH	604 INLET ADJUSTED TO GRADE EACH			
			FROM	TO		OUTSIDE METER	INSIDE METER			OUTSIDE SQ. METER	INSIDE SQ. METER	446 ASPHALT CONCRETE									
												407 TACK COAT USING SS-924		AVG. THICK METER	SURFACE COURSE ▲ CU. METER				AVG. THICK METER	INTER- MEDIATE COURSE ▲ CU. METER	
												⊗	×								
Rt. & Lt.	3	SR 12	0+045	0+335	380	8.00	8.00	2	ASPH. CONC.	3040	3040	942	699	0.038	231	0.044	134	6080	3	3	
Lt.	3	SR 12	0+335	0+420	85	4.00	4.00	2	ASPH. CONC.	340	340	105	78	0.038	26	0.044	15	680			
Rt.	3	SR 12	0+335	0+420	85	8.00		2	ASPH. CONC.	680		211		0.038	26	0.044	30	680			
Part 3 Totals - Carried to General Summary										7440		2009			283		179		7440	3	3

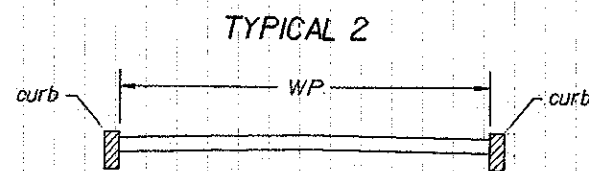
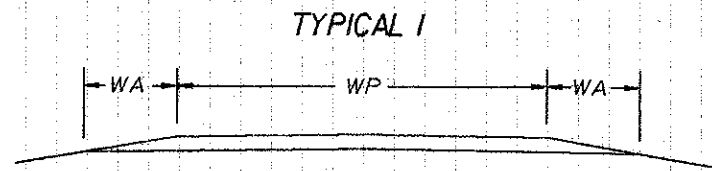
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DESIGNED
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PLAN NO.

PAVEMENT DATA ~ PART 3

SEN-23-18.070120.284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108

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⊗ Quantities include 0.23 lit./sq.meter prior to the first course and 0.08 lit./sq.meter prior to the second course.

• Tack Coat not using SS 924 at a rate of 0.23 lit./sq.meter

⊗ Note: Quantity determined using computer. Quantity includes shoulder area

See sheet no. 8-11 for Schematic Plan

See sheet no. 23-34 for Pavement Details

See sheet no. 17 for Extra Area and Deductions

(C) = City
(R) = Rural

PAVEMENT DATA

SIDE	PART	ROUTE	STATION		LENGTH METER	WP		TYPICAL	EXISTING TYPE PAVEMENT	PAVEMENT AREA		PROPOSED PAVEMENT				WEARING COURSE REMOVED *	202	254	604	604	604	638	
			FROM	TO		OUTSIDE METER	INSIDE METER			OUTSIDE SQ.METER	INSIDE SQ.METER	446											
			407									ASPHALT CONCRETE											
			TACK COAT USING SS 924			AVG. THICK	SURFACE COURSE			AVG. THICK	INTER- MEDIATE COURSE	SO.METER	SO.METER	EACH	EACH								EACH
Rt. & Lt.	4(C)	SR 18	2+147.8	2+160.0	12.2	⊗	2	ASPH. CONC.	180	56	0.038	7	0.044	8									
Rt.	4(C)	SR 18	2+160.0	2+202.4	42.4	8.75 Avg.	2	ASPH. CONC.	371	115	0.038	14	0.044	16									
Lt.	4(C)	SR 18	2+160.0	2+202.0	42.0	5.25 Avg.	2	ASPH. CONC.	221	69	0.038	8	0.044	10									
Rt.	4(C)	SR 18	2+202.4	2+240.0	37.6	8.45 Avg.	2	ASPH. CONC.	318	99	0.038	12	0.044	14									
Lt.	4(C)	SR 18	2+202.0	2+240.0	38.0	5.95 Avg.	2	ASPH. CONC.	226	70	0.038	9	0.044	10									
Rt.	4(C)	SR 18	2+240.0	2+256.0	16	8.50	2	ASPH. CONC.	136	42	0.038	5	0.044	6									
Lt.	4(C)	SR 18	2+240.0	2+256.0	16	6.70 Avg.	2	ASPH. CONC.	107	33	0.038	4	0.044	5									
Rt.	4(C)	SR 18	2+256.0	2+280.0	24	8.50	2	ASPH. CONC.	204	63	0.038	8	0.044	9									
Lt.	4(C)	SR 18	2+256.0	2+280.0	24	7.80	2	ASPH. CONC.	187	58	0.038	7	0.044	8									
Rt.	4(C)	SR 18	2+280.0	2+360.0	80	4.30	4.20	2	ASPH. CONC.	344	336	107	77	0.038	26	0.044	15						
Lt.	4(C)	SR 18	2+280.0	2+360.0	80	4.30	3.50	2	ASPH. CONC.	344	280	107	64	0.038	24	0.044	15						
Rt. & Lt.	4(C)	SR 18	2+360.0	2+468.0	108.0	⊗	2	ASPH. CONC.	1228	1050	361	242	0.038	87	0.044	100							
Rt. & Lt.	4(C)	SR 18	2+468.0	2+520.0	52.0	⊗	2	ASPH. CONC.	720		• 166	0.038	+ 27										
Rt. & Lt.	4(C)	SR 18	2+520.0	2+820.0	300.0	10.50	2	ASPH. CONC.	3150		• 725	0.038	+ 120										
Rt. & Lt.	4(C)	SR 18	2+820.0	3+267.0	447.0	9.60 Avg.	2	ASPH. CONC.	4291		• 987	0.038	+ 163										
Rt. & Lt.	4(C)	SR 18	3+267.0	3+283.0	16.0	8.15 Avg.	1	ASPH. CONC.	130		• 30	0.038	+ 5										
Rt. & Lt.	4(C)	SR 18	3+283.0	3+325.8	42.8	7.60	1	ASPH. CONC.	325		• 75	0.038	+ 12										
Rt. & Lt.	4(C)	SR 18	3+325.8	3+900.0	574.2	7.55 Avg.	1	ASPH. CONC.	4335		• 997	0.038	+ 165										
Rt. & Lt.	4(C)	SR 18	3+900.0	3+976.3	76.3	7.40 Avg.	1	ASPH. CONC.	565		• 130	0.038	+ 21										
Extra area and deductions									481	29	• 89	Varies	+ 11		4		95						
City Totals									(19,529)	⊗ * (1,592)	• (3,199)		▲ + (211) (524)		(220)		(7,468)	(2)	(10)	(7)	(5)		
Rt. & Lt.	4(R)	SR 18	3+976.3	4+821.5	845.2	7.35 Avg.	1	ASPH. CONC.	6212		• 1429	0.038	+ 236										
Rt. & Lt.	4(R)	SR 18	4+821.5	6+442.7	1621.2	7.40	1	ASPH. CONC.	11,997		• 2759	0.038	+ 456										
Rt. & Lt.	4(R)	SR 18	6+442.7	8+044.1	1601.4	7.35 Avg.	1	ASPH. CONC.	11,770		• 2707	0.038	+ 447										
Rt. & Lt.	4(R)	SR 18	8+044.1	9+708.1	1664.0	7.35 Avg.	1	ASPH. CONC.	12,230		• 2813	0.038	+ 465										
Rt. & Lt.	4(R)	SR 18	9+708.1	9+920.0	211.9	7.50 Avg.	1	ASPH. CONC.	1589		• 365	0.038	+ 60										
Extra area and deductions									646	• 149	Varies	+ 7											
Structures									410	• 94	0.038	+ 16											
Rural Totals									(44,854)	⊗ * (10,316)	•		▲ + (1,687)		(308)								
Part 4 Totals - Carried to General Summary									64,383	⊗ * 1592	• 13,515		▲ + 211 2211		220		308		7,468	2	10	7	5

PREPARED BY
JEH
CHECKED BY
ALS

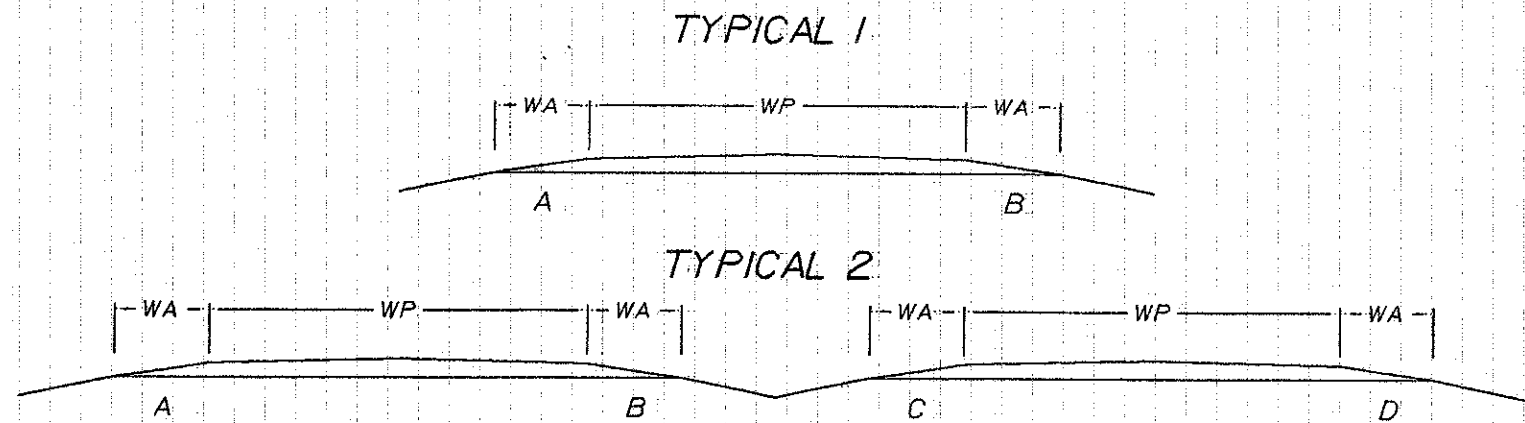
PLAN NO.

PAVEMENT DATA ~ PART 4

SEN-23-(18,070)(20,284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108

15
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SEWOACS.dgn



- ▲ SMA using SBS Polymer
- + PG64-22
- Tack Coat not using SS 924 at a rate of 0.23 lit./sq.meter

(*) Quantities includes 0.23 lit./sq.meter prior to the first course and 0.08 lit./sq.meter prior to the second course.

* ITEM 617, COMPACTED AGGREGATE, TYPE A: An estimated quantity of Item 617, Compacted Aggregate, Type A shall be used as directed by the Engineer to shape the edge of the berms.

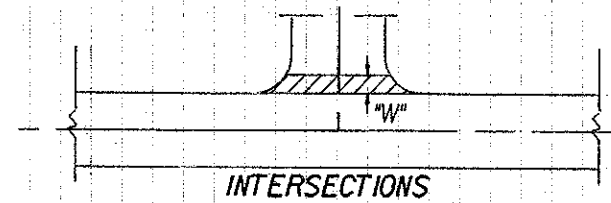
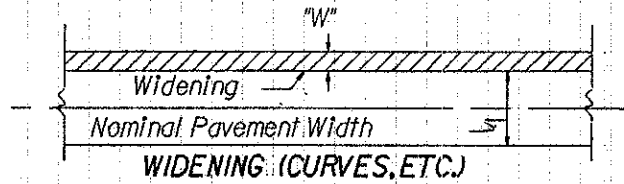
Note: For Extra Area and Deductions, see sheet no. 17.

PAVED SHOULDER DATA

SIDE	PART	ROUTE	STATION		LENGTH METER	TYPICAL	PROPOSED WIDTH (METER)				SHOULDER AREA SQ.METER	407	446					254 BITUMINOUS PAVEMENT PLANING SQ.METER	617
			FROM	TO			A	B	C	D		TACK COAT	ASPHALT CONCRETE						COMPACTED AGGREGATE
			USING SS 924 (*) LITER	AVG. THICK METER			SURFACE COURSE ▲ CU.METER	AVG. THICK METER	INTER-MEDIATE COURSE ▲ CU.METER						TYPE A * CU.METER				
Rt. & Lt.	1	US 23	18+070	18+125.5	55.5	1	0.90	0.90			100	31	0.038	4	0.044	4		100	7
Part 1 Totals - Carried to General Summary											100	31		4		4		100	7
Rt.	2	US 23	0+543.3	0+562.7	19.4	1		0.90			17	5	0.038	1	0.044	1		17	1
Rt. & Lt.	2	US 23	0+562.7	0+653	90.3	1	0.90	0.90			163	51	0.038	6	0.044	7		163	12
Part 2 Totals - Carried to General Summary											180	56		7		8		180	13
Rt. & Lt.	4	SR 18	3+267.0	3+976.3	709.3	1	0.90	0.90			1277	• 294	0.038	+ 49					41
City Totals											(1277)	• (294)		+ (49)					(41)
Rt. & Lt.	4	SR 18	3+976.3	9+920.0	593.7	1	0.80	0.80			9510	• 2187	0.038	+ 361					344
Deduct for Structures											(-) 59	• (-) 14	0.038	(-) 2					
Rural Totals											(9451)	• (2173)		+ (359)					(344)
Part 4 Totals - Carried to General Summary											10,728	• 2467		+ 408					385

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PLAN NO. PAVED SHOULDER DATA ~ PARTS 1, 2 & 4
 SEN-23-18.070(20.284)
 W00-23-0.000
 SEN-12-0.000 SEN-18-2.108
 16
 50



- ▲ SMA using SBS Polymer.
- + PG64-22
- Tack Coat not using SS 924 at a rate of 0.23 lit./sq. meter.
- ⊗ Quantities includes 0.23 lit./sq. meter prior to the first course and 0.08 lit./sq. meter prior to the second course.

PART	ROUTE	STATION		SIDE	DESCRIPTION	LENGTH METER	WIDTH METER	AREA SQ. METER	446					
		FROM	TO						407	ASPHALT CONCRETE			254	
									TACK COAT USING SS 924 ⊗ LITER	AVG. THICK. METER	SURFACE COURSE ▲ CU. METER	AVG. THICK. METER	INTER-MEDIATE COURSE CU. METER	BITUMINOUS PAVEMENT PLANING SQ. METER
4(C)	SR 18	2+175	2+195	Rt.	Ramp from U.S. 23			95	29	0.038	4	0.044	4	95
4(C)	SR 18	3+267.0	3+976.3	Rt. & Lt.	Intersections			386	• 89	0.019 avg.	7			
City Pavement Totals								481	⊗ 29	89	Varies	11	4	95
4(R)	SR 18	3+976.3	9+920.0	Rt. & Lt.	Intersections			916	• 211	0.019 avg.	17			
4(R)	SR 18	4+437.4	4+456.0	Rt. & Lt.	Str. No. Sen-18-0276			(-) 138	• (-) 32	0.038	(-) 5			
4(R)	SR 18	9+166.6	9+184.5	Rt. & Lt.	Str. No. Sen-18-0569			(-) 132	• (-) 30	0.038	(-) 5			
Rural Pavement Totals								646	• 149	Varies	7			
4(R)	SR 18	4+437.4	4+456.0	Rt. & Lt.	Str. No. Sen-18-0276			(-) 30	• (-) 7	0.038	(-) 1			
4(R)	SR 18	9+166.6	9+184.5	Rt. & Lt.	Str. No. Sen-18-0569			(-) 29	• (-) 7	0.038	(-) 1			
Rural Shoulder Totals								(-) 59	• (-) 14	0.038	(-) 2			

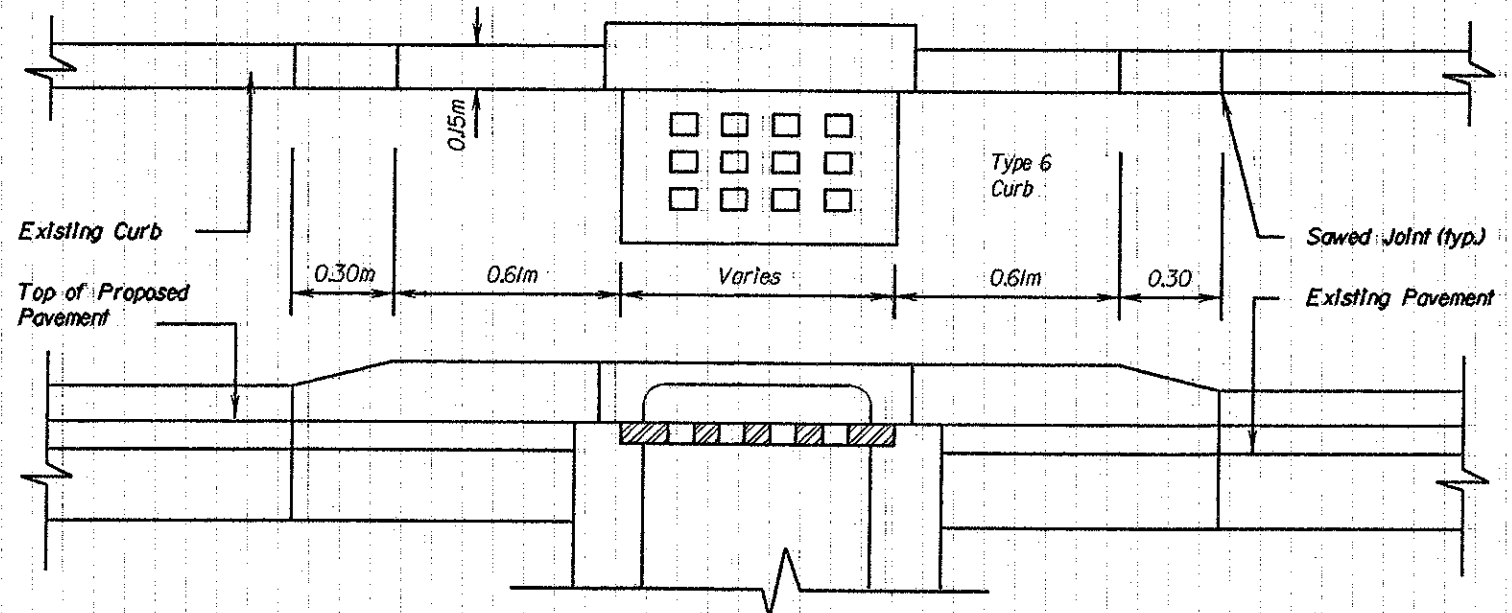
CALCULATED BY: JEH
 CHECKED BY: ALS
 PLAN NO. EXTRA AREA AND DEDUCTIONS - PART 4
 SEN-23-18.0701(20.284)
 W00-23-0.000
 SEN-12-0.000 SEN-18-2.108
 17
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CATCH BASIN, INLET, MANHOLE, WATER VALVE BOX, MONUMENT BOX,
ADJUSTED TO GRADE OR FEATHER TO CASTING AS NOTED.

PART	ROUTE	STATION	SIDE	ITEM TYPE (604)				638	WORK REQUIRED			REMARKS
				CATCH BASIN	MAN-HOLE	INLET	MONUMENT BOX		WATER VALVE BOX	FEATHER TO TOP OF CASTING	ADJUST TO GRADE	
I	US 23	18+209.2	Lt.			X			X			
I	US 23	18+209.4	Rt.			X			X			
I	US 23	18+273.0	Lt.			X			X			
I	US 23	18+273.2	Rt.			X			X			
I	US 23	18+333.0	Rt.			X			X			
I	US 23	18+333.4	Lt.			X			X			
I	US 23	18+348.0	Lt.		X				X			
I	US 23	18+348.2	Lt.			X		X				
I	US 23	18+348.2	Rt.			X		X				
I	US 23	18+348.2	Rt.			X		X				
I	US 23	18+386.8	Rt.			X			X			
I	US 23	18+394.2	Lt.			X			X			
I	US 23	18+448.4	Lt.		X			X				
I	US 23	18+515.8	Lt.		X			X				
I	US 23	18+515.8	Lt.			X		X				
I	US 23	18+515.8	Rt.			X		X				
I	US 23	18+515.8	Rt.			X			X			
I	US 23	18+601.0	Lt.			X				X		
I	US 23	18+601.0	Lt.			X		X				
I	US 23	18+601.0	Rt.			X		X				
I	US 23	18+601.0	Rt.			X		X				
I	US 23	18+772.0	Rt.			X			X			
I	US 23	18+773.0	Lt.	X					X			
I	US 23	18+787.6	Lt.		X			X				
I	US 23	18+839.9	Rt.				X		X			
I	US 23	18+849.9	Lt.				X	X				
I	US 23	18+852.0	Rt.				X		X			
I	US 23	18+858.7	Rt.		X			X				
I	US 23	18+865.6	Lt.		X				X			
I	US 23	18+870.0	Lt.				X	X				
I	US 23	18+939.0	Rt.			X		X				

PART	ROUTE	STATION	SIDE	ITEM TYPE (604)				638	WORK REQUIRED			REMARKS
				CATCH BASIN	MAN-HOLE	INLET	MONUMENT BOX		WATER VALVE BOX	FEATHER TO TOP OF CASTING	ADJUST TO GRADE	
I	US 23	18+939.5	Lt.			X			X			
I	US 23	19+016.0	Lt.		X				X			
I	US 23	19+076.4	Lt.				X	X				
I	US 23	19+086.6	Lt.		X				X			
I	US 23	19+086.6	Rt.		X				X			
I	US 23	19+097.0	Lt.				X	X				
Suspend Project												
I	US 23	20+293.5	Lt.				X		X			
I	US 23	20+297.0	Rt.		X				X			
I	US 23	20+330.0	Lt.				X	X				
I	US 23	20+345.3	Rt.		X				X			
I	US 23	20+374.5	Rt.			X				X		
I	US 23	20+374.5	Lt.			X				X		



INLET ADJUSTED TO GRADE

Inlet shall be adjusted prior to placing of the finish surface. The method of adjusting inlets may be determined by the Contractor with approval of the Engineer.

The finish surface shall be 0.006m higher than the top of the grate. The removal of the existing curb as required, and the replacement curb, as per Item 609 Curbing, shall be constructed typical of the curb removed, as directed by the Engineer. Payment shall be included with the Item 604, Inlet Adjusted to Grade.

Pavement shall be feathered to meet castings that are not to be adjusted, as directed by the Engineer.

Valve boxes and utility manholes shall be adjusted by their respective owners.

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PLAN NO.

UTILITY ADJUSTMENTS - PART 1

SEN-23-(18.070)(20.284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108

CATCH BASIN, INLET, MANHOLE, WATER VALVE BOX, MONUMENT BOX,
ADJUSTED TO GRADE OR FEATHER TO CASTING AS NOTED

P A R T	ROUTE	STATION	S I D E	ITEM TYPE (604)				638	WORK REQUIRED			REMARKS
				CATCH BASIN	MAN- HOLE	INLET	MONU- MENT BOX		WATER VALVE BOX	FEATHER TO TOP OF CASTING	ADJUST TO GRADE	
I	US 23	20+426.5	Lt.			X			X			
I	US 23	20+426.5	Lt.		X				X			
I	US 23	20+427.0	Rt.			X			X			
I	US 23	20+441.4	Rt.		X				X			
I	US 23	20+453.5	Lt.				X	X				
I	US 23	20+525.0	Rt.			X			X			
I	US 23	20+526.9	Lt.			X			X			
I	US 23	20+544.3	Rt.		X				X			
I	US 23	20+555.0	Lt.				X	X				
I	US 23	20+578.9	Rt.				X	X				
I	US 23	20+635.0	Rt.			X			X			
I	US 23	20+635.0	Lt.			X			X			
I	US 23	20+635.0	Lt.		X				X			
I	US 23	20+647.4	Rt.		X				X			
I	US 23	20+656.4	Lt.				X	X				
I	US 23	20+736.0	Rt.			X			X			
I	US 23	20+736.0	Lt.			X			X			
I	US 23	20+777.7	Lt.				X	X				
I	US 23	20+781.3	Rt.		X				X			
I	US 23	20+787.0	Lt.		X				X			
I	US 23	20+787.8	Rt.		X				X			
I	US 23	20+884.6	Rt.		X				X			
I	US 23	20+911.5	Lt.		X				X			
I	US 23	20+913.8	Rt.		X				X			
I	US 23	20+918.4	Rt.		X				X			
I	US 23	20+918.8	Rt.						X			Gas Tap
I	US 23	20+918.8	Lt.			X			X			
I	US 23	20+919.2	Rt.						X			Gas Tap
I	US 23	20+924.6	Lt.				X		X			
I	US 23	20+979.1	Rt.		X				X			
I	US 23	20+983.4	Rt.			X			X			
I	US 23	21+039.5	Rt.		X				X			
I	US 23	21+057.0	Lt.			X			X			

P A R T	ROUTE	STATION	S I D E	ITEM TYPE (604)				638	WORK REQUIRED			REMARKS
				CATCH BASIN	MAN- HOLE	INLET	MONU- MENT BOX		WATER VALVE BOX	FEATHER TO TOP OF CASTING	ADJUST TO GRADE	
I	US 23	21+067.3	Lt.					X	X			
I	US 23	21+073.5	Rt.		X				X			
I	US 23	21+089.9	Lt.			X				X		
I	US 23	21+093.0	Rt.			X			X			
I	US 23	21+098.5	Lt.		X					X		
I	US 23	21+158.4	Lt.				X	X				
I	US 23	21+171.8	Lt.		X				X			
I	US 23	21+179.5	Lt.				X	X				
I	US 23	21+180.7	Lt.		X				X			
I	US 23	21+180.7	Lt.			X				X		
I	US 23	21+180.7	Rt.			X				X		
I	US 23	21+248.5	Lt.			X				X		
I	US 23	21+249.4	Ctr.		X				X			
I	US 23	21+253.6	Rt.			X				X		
I	US 23	21+305.3	Lt.				X	X				
I	US 23	21+318.0	Rt.		X				X			
I	US 23	21+326.9	Rt.		X				X			
I	US 23	21+329.3	Lt.		X					X		
I	US 23	21+331.6	Lt.			X				X		
I	US 23	21+405.0	Rt.			X				X		
I	US 23	21+413.0	Rt.		X					X		
I	US 23	21+453.9	Lt.				X	X				

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PLAN NO.

UTILITY ADJUSTMENTS - PART 1

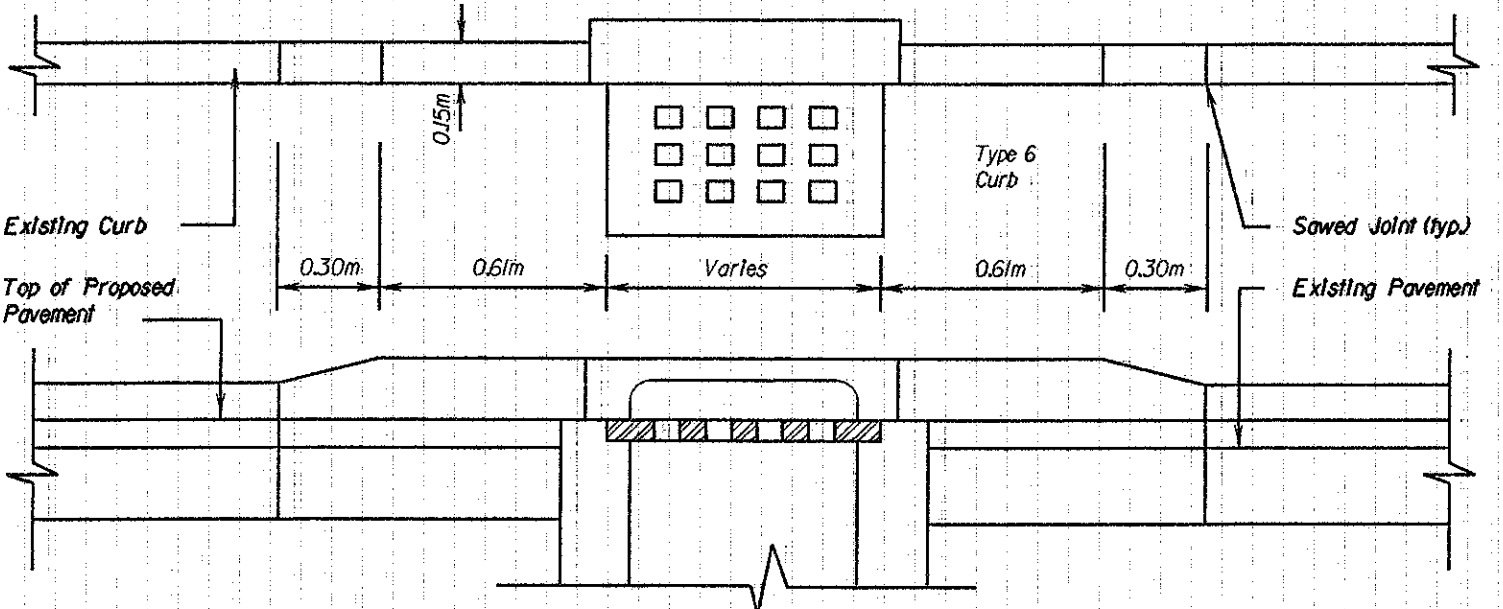
SEN-23-(18,070)(20,284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108

CATCH BASIN, INLET, MANHOLE, WATER VALVE BOX, MONUMENT BOX,
ADJUSTED TO GRADE OR FEATHER TO CASTING AS NOTED

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P A R T	ROUTE	STATION	S I D E	ITEM TYPE (604)				638	WORK REQUIRED			REMARKS
				CATCH BASIN	MAN- HOLE	INLET	MONU- MENT BOX		WATER VALVE BOX	FEATHER TO TOP OF CASTING	ADJUST TO GRADE	
2	US 23	0+005.6	Rt.		X				X			
2	US 23	0+009.4	Lt.					X	X			
2	US 23	0+013.1	Lt.		X					X		
2	US 23	0+013.1	Lt.			X				X		
2	US 23	0+013.1	Rt.			X				X		
2	US 23	0+090.3	Rt.			X				X		
2	US 23	0+090.7	Lt.			X				X		
2	US 23	0+154.6	Lt.					X	X			
2	US 23	0+241.9	Rt.		X				X			
2	US 23	0+260.1	Rt.			X				X		
2	US 23	0+260.1	Lt.			X				X		
2	US 23	0+324.6	Rt.		X				X			
2	US 23	0+326.5	Rt.			X				X		
2	US 23	0+331.9	Lt.			X				X		
2	US 23	0+364.3	Rt.		X				X			
2	US 23	0+395.2	Rt.		X				X			
2	US 23	0+400.0	Rt.					X	X			
2	US 23	0+403.0	Lt.			X			X			
2	US 23	0+410.2	Rt.					X	X			
2	US 23	0+411.2	Lt.					X	X			
2	US 23	0+493.7	Lt.			X				X		
2	US 23	0+493.7	Rt.			X				X		
2	US 23	0+503.5	Rt.		X				X			
2	US 23	0+506.6	Rt.					X	X			
2	US 23	0+528.0	Lt.			X			X			
2	US 23	0+541.4	Rt.			X				X		
2	US 23	0+647.0	Lt.		X				X			

P A R T	ROUTE	STATION	S I D E	ITEM TYPE (604)				638	WORK REQUIRED			REMARKS
				CATCH BASIN	MAN- HOLE	INLET	MONU- MENT BOX		WATER VALVE BOX	FEATHER TO TOP OF CASTING	ADJUST TO GRADE	



INLET ADJUSTED TO GRADE
 Inlet shall be adjusted prior to placing of the finish surface. The method of adjusting inlets may be determined by the Contractor with approval of the Engineer.
 The finish surface shall be 0.006m higher than the top of the grate. The removal of the existing curb as required, and the replacement curb, as per Item 609 Curbing, shall be constructed typical of the curb removed, as directed by the Engineer.
 Payment shall be included with the Item 604, Inlet Adjusted to Grade.
 Pavement shall be feathered to meet castings that are not to be adjusted, as directed by the Engineer.
 Valve boxes and utility manholes shall be adjusted by their respective owners.

UTILITY ADJUSTMENTS - PART 2

SEN-23-(18,070)(20,284)
 W00-23-0.000
 SEN-12-0.000 SEN-18-2.108

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**CATCH BASIN, INLET, MANHOLE, WATER VALVE BOX, MONUMENT BOX,
ADJUSTED TO GRADE OR FEATHER TO CASTING AS NOTED**

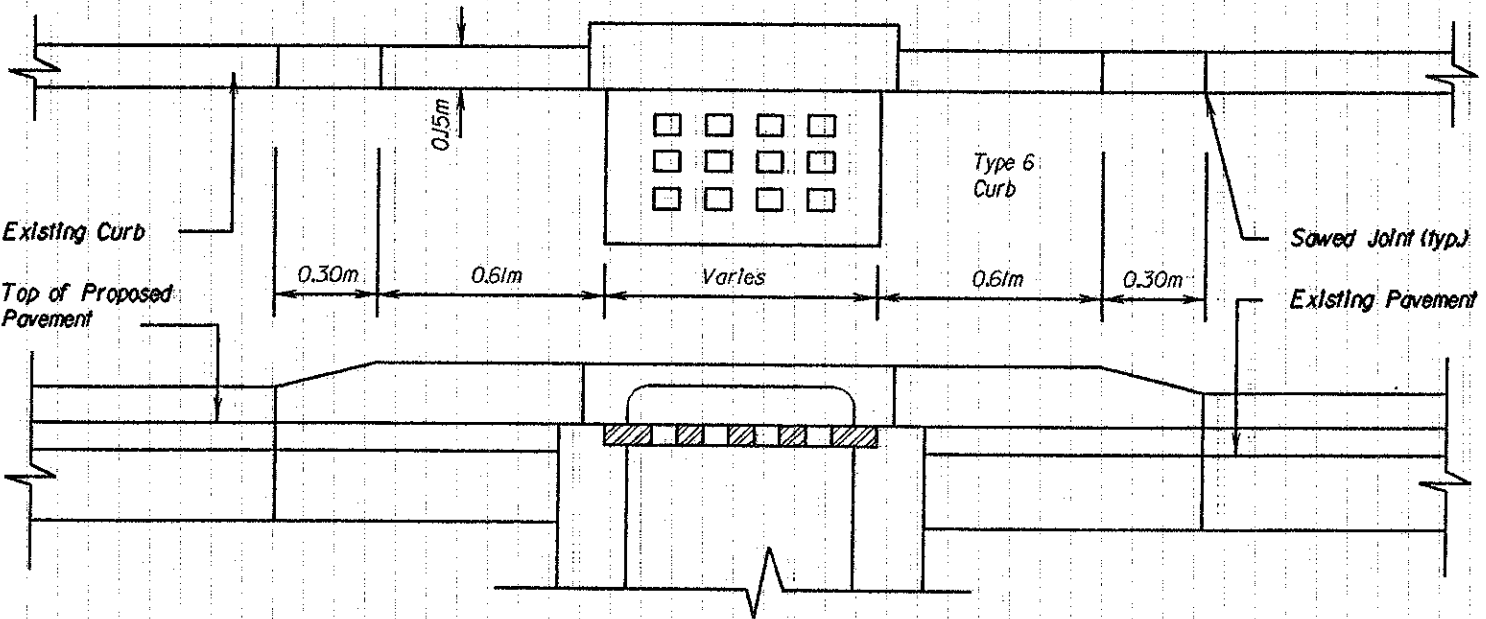
CALCULATED
JEH
CHECKED
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P A R T	ROUTE	STATION	S I D E	ITEM TYPE (604)				638	WORK REQUIRED			REMARKS
				CATCH BASIN	MAN- HOLE	INLET	MONU- MENT BOX	WATER VALVE BOX	FEATHER TO TOP OF CASTING	ADJUST TO GRADE	NO WORK	
3	SR 12	0+006.4	Rt.					X	X			
3	SR 12	0+005.1	Rt.		X				X			
3	SR 12	0+000.5	Ctr.		X				X			
3	SR 12	0+005.6	Rt.					X	X			
3	SR 12	0+060.4	Rt.			X				X		
3	SR 12	0+061.0	Lt.	X					X			
3	SR 12	0+100.2	Ctr.		X				X			
3	SR 12	0+152.6	Rt.			X			X			
3	SR 12	0+152.6	Lt.			X			X			
3	SR 12	0+191.7	Ctr.		X					X		
3	SR 12	0+192.0	Rt.					X	X			
3	SR 12	0+201.0	Lt.		X				X			
3	SR 12	0+208.7	Lt.		X					X		
3	SR 12	0+211.3	Rt.					X	X			
3	SR 12	0+270.8	Rt.			X				X		
3	SR 12	0+270.8	Lt.			X				X		
3	SR 12	0+307.9	Lt.		X				X			
3	SR 12	0+366.1	Rt.			X			X			
3	SR 12	0+366.1	Lt.			X			X			
3	SR 12	0+404.6	Ctr.		X					X		
3	SR 12	0+405.1	Rt.					X	X			

P A R T	ROUTE	STATION	S I D E	ITEM TYPE (604)				638	WORK REQUIRED			REMARKS
				CATCH BASIN	MAN- HOLE	INLET	MONU- MENT BOX	WATER VALVE BOX	FEATHER TO TOP OF CASTING	ADJUST TO GRADE	NO WORK	

PLAN NO.

UTILITY ADJUSTMENTS - PART 3



INLET ADJUSTED TO GRADE:

Inlet shall be adjusted prior to placing of the finish surface. The method of adjusting inlets may be determined by the Contractor with approval of the Engineer.

The finish surface shall be 0.006m higher than the top of the grate. The removal of the existing curb as required, and the replacement curb, as per Item 609 Curb, shall be constructed typical of the curb removed, as directed by the Engineer.

Payment shall be included with the Item 604, Inlet Adjusted to Grade.

Pavement shall be feathered to meet castings that are not to be adjusted, as directed by the Engineer.

Valve boxes and utility manholes shall be adjusted by their respective owners.

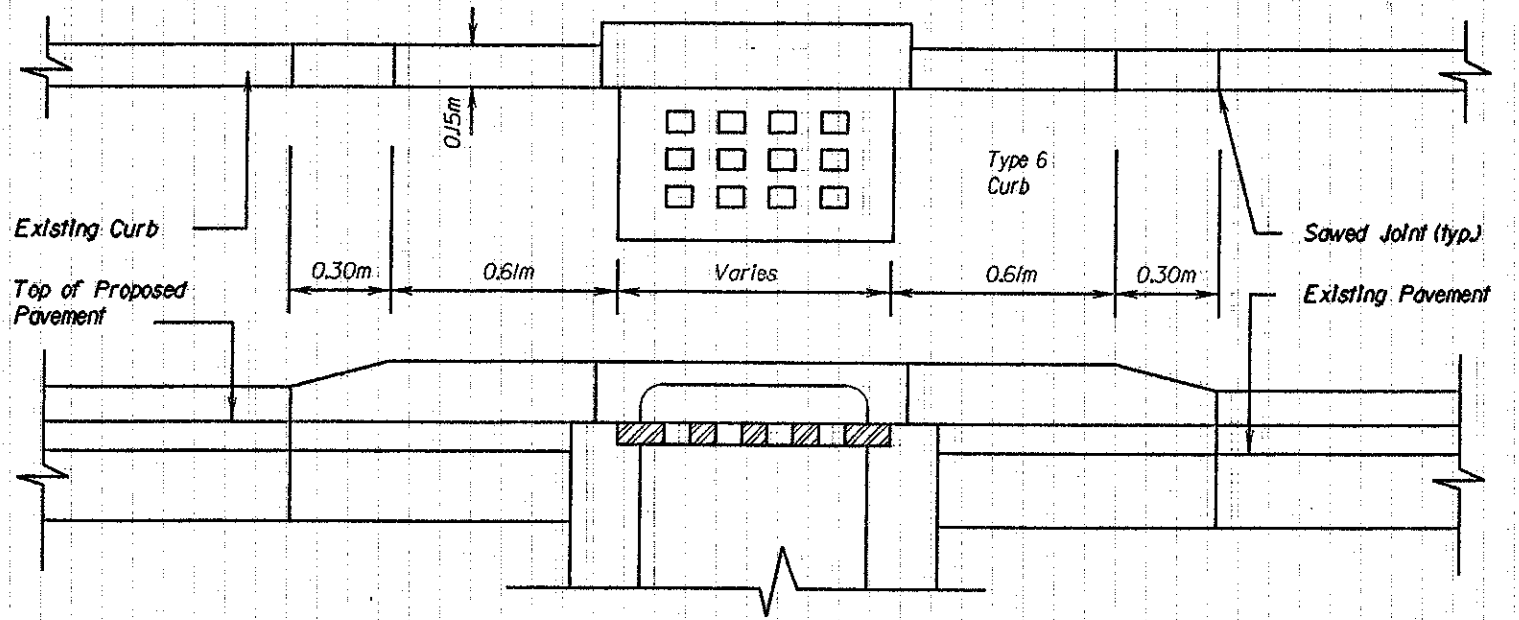
SEN-23-18.0701(20.284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.J08

CATCH BASIN, INLET, MANHOLE, WATER VALVE BOX, MONUMENT BOX,
ADJUSTED TO GRADE OR FEATHER TO CASTING AS NOTED

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P A R T	ROUTE	STATION	S I D E	ITEM TYPE (604)				638	WORK REQUIRED			REMARKS
				CATCH BASIN	MAN- HOLE	INLET	MONU- MENT BOX		WATER VALVE BOX	FEATHER TO TOP OF CASTING	ADJUST TO GRADE	
4	SR 18	2+177.8	Rt.	X					X			
4	SR 18	2+205.4	Lt.	X					X			
4	SR 18	2+205.4	Lt.	X					X			
4	SR 18	2+205.4	Rt.	X					X			
4	SR 18	2+206.0	Rt.	X					X			
4	SR 18	2+274.7	Lt.			X			X			
4	SR 18	2+274.7	Lt.			X			X			
4	SR 18	2+274.7	Rt.			X			X			
4	SR 18	2+274.7	Rt.			X			X			
4	SR 18	2+347.0	Rt.			X			X			
4	SR 18	2+347.3	Rt.			X			X			
4	SR 18	2+347.3	Lt.			X			X			
4	SR 18	2+347.3	Lt.			X			X			
4	SR 18	2+384.1	Ctr.	X					X			
4	SR 18	2+445.4	Lt.			X			X			
4	SR 18	2+468.5	Lt.					X		X		
4	SR 18	2+480.0	Rt.					X	X			
4	SR 18	2+489.1	Lt.		X				X			
4	SR 18	2+491.1	Lt.			X				X		
4	SR 18	2+501.2	Rt.					X	X			
4	SR 18	2+512.9	Rt.			X				X		
4	SR 18	2+531.7	Lt.		X					X		
4	SR 18	2+538.6	Lt.			X			X			
4	SR 18	2+624.6	Lt.					X		X		
4	SR 18	2+709.0	Lt.			X				X		
4	SR 18	2+719.2	Lt.		X					X		
4	SR 18	2+720.5	Rt.			X				X		
4	SR 18	2+728.4	Rt.					X		X		
4	SR 18	2+729.0	Lt.			X				X		
4	SR 18	2+821.1	Lt.		X					X		
4	SR 18	2+821.4	Rt.			X				X		
4	SR 18	2+823.5	Lt.			X				X		
4	SR 18	2+898.8	Lt.		X				X			

P A R T	ROUTE	STATION	S I D E	ITEM TYPE (604)				638	WORK REQUIRED			REMARKS
				CATCH BASIN	MAN- HOLE	INLET	MONU- MENT BOX		WATER VALVE BOX	FEATHER TO TOP OF CASTING	ADJUST TO GRADE	
4	SR 18	2+906.0	Rt.					X		X		
4	SR 18	2+910.0	Rt.					X	X			
4	SR 18	2+921.7	Rt.	X						X		
4	SR 18	2+960.5	Lt.		X					X		
4	SR 18	3+022.9	Lt.		X					X		
4	SR 18	3+047.5	Rt.		X					X		
4	SR 18	3+050.7	Lt.	X					X			
4	SR 18	3+145.6	Rt.	X					X			
4	SR 18	3+145.6	Lt.		X					X		
4	SR 18	3+146.5	Lt.	X						X		
4	SR 18	3+149.4	Rt.		X					X		
4	SR 18	3+185.5	Rt.					X		X		
4	SR 18	3+268.0	Rt.		X					X		
4	SR 18	3+526.4	Rt.		X					X		



INLET ADJUSTED TO GRADE

Inlet shall be adjusted prior to placing of the finish surface. The method of adjusting inlets may be determined by the Contractor with approval of the Engineer.
The finish surface shall be 0.006m higher than the top of the grate. The removal of the existing curb as required, and the replacement curb, as per Item 609 Curbing, shall be constructed typical of the curb removed, as directed by the Engineer. Payment shall be included with the Item 604, Inlet Adjusted to Grade.
Pavement shall be feathered to meet castings that are not to be adjusted, as directed by the Engineer.
Valve boxes and utility manholes shall be adjusted by their respective owners.

PLAN NO.

UTILITY ADJUSTMENTS - PART 4

SEN-23-18-0701(20.284)
W00-23-0000
SEN-12-0000 SEN-18-2.108

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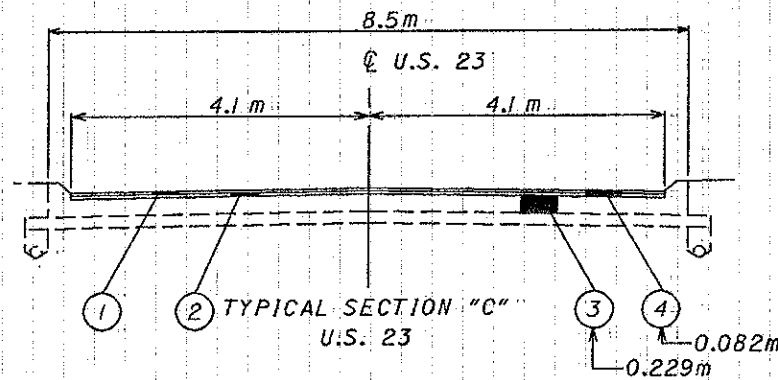
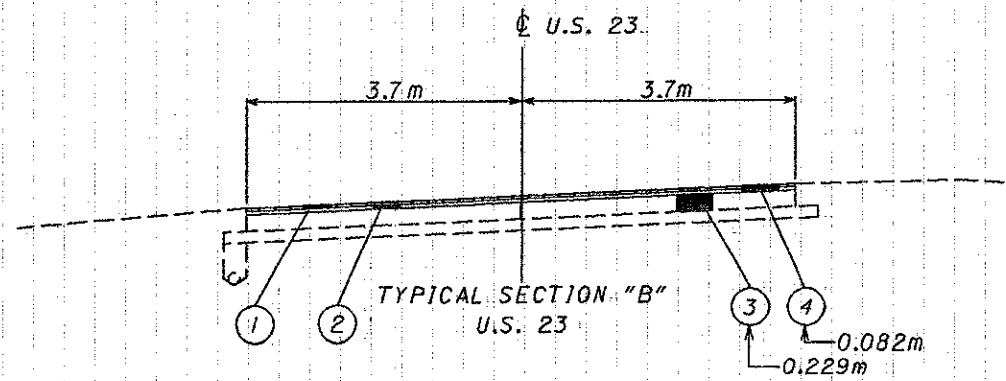
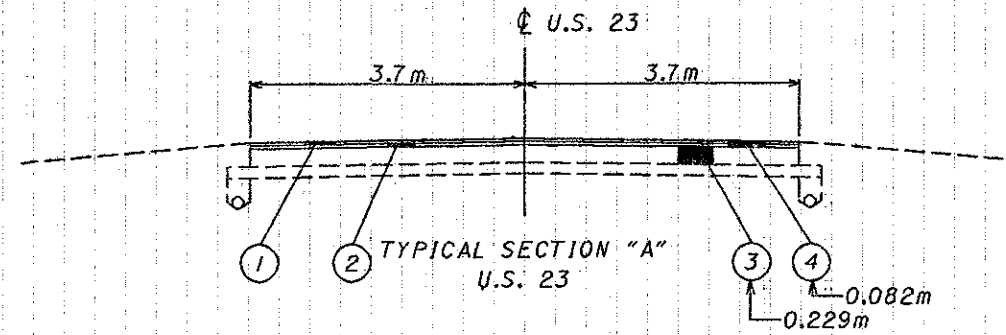
TYPICAL SECTIONS

(Sheet 1 of 3)

Existing Pavement:
Asphalt Concrete on 0.229m of
concrete on a 0.152m blanket course.

Existing Pavement:
Asphalt Concrete on 0.229m of
concrete on a 0.152m blanket course.

Existing Pavement:
Asphalt Concrete on 0.229m of
concrete on a 0.152m blanket course.

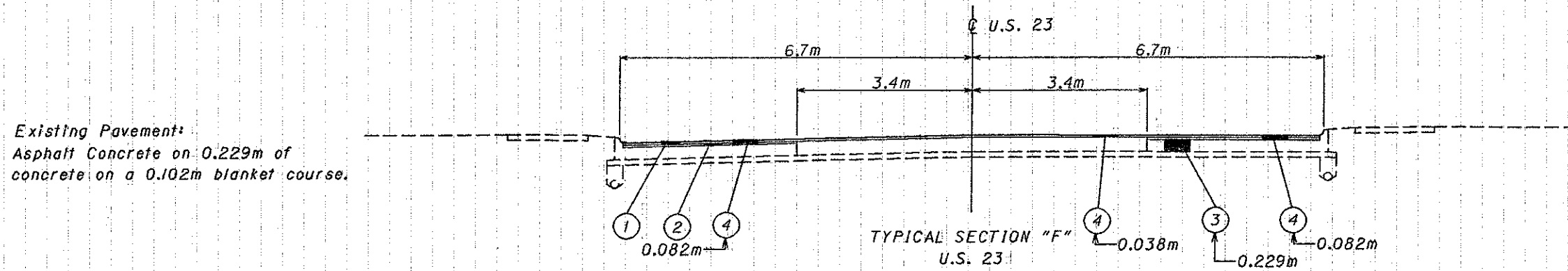
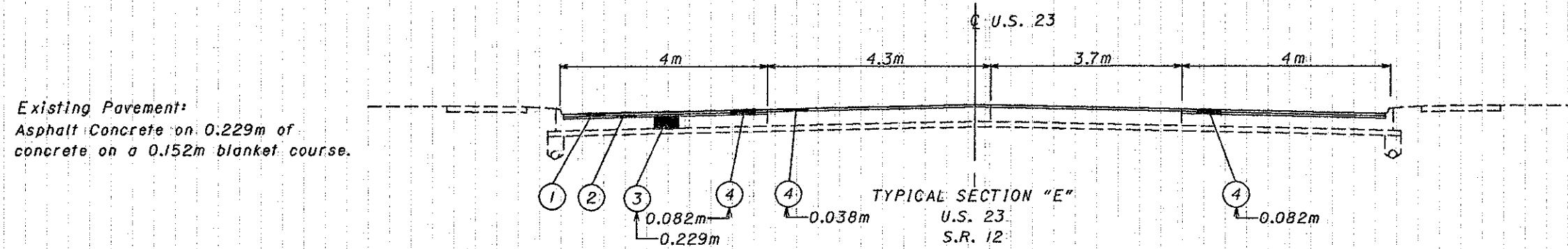
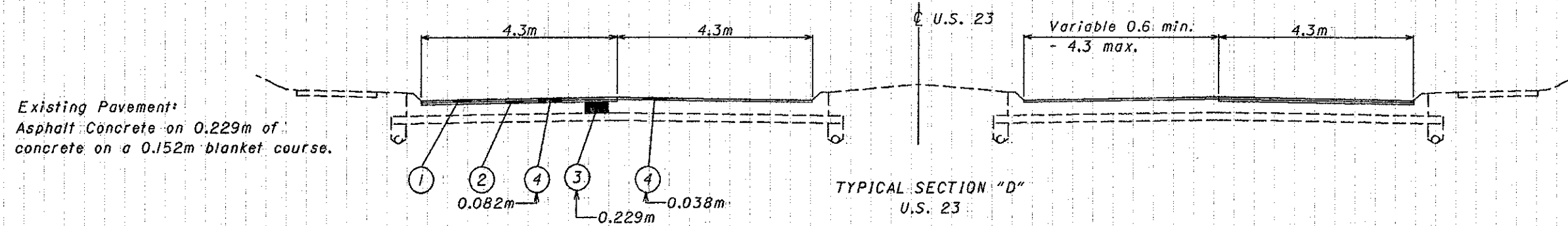


- ① 0.038 meter - Item Special, Stone Mastic Asphalt Concrete Surface Course.
- ② 0.044 meter - Item Special, Stone Mastic Asphalt Concrete Intermediate Course.
- ③ 0.203 meter or 0.229 meter - Item 255 Full Depth Pavement Removal and Rigid Replacement.
- ④ Bituminous Pavement Planing

Note: The typical sections shown on these sheets are for the proper application of item 255, Full Depth Pavement Removal and Rigid Replacement. The locations and quantities are shown on sheets 23 to 34.

TYPICAL SECTIONS

(Sheet 2 of 3)



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PLAN NO.

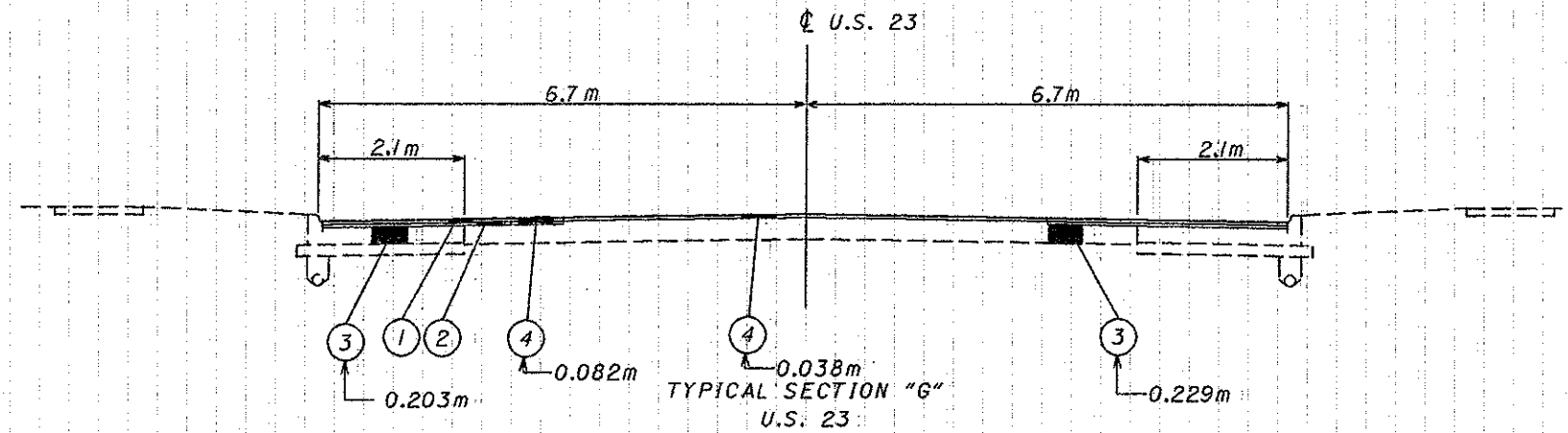
TYPICAL SECTIONS

SEN-23-118-0701(20.284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108

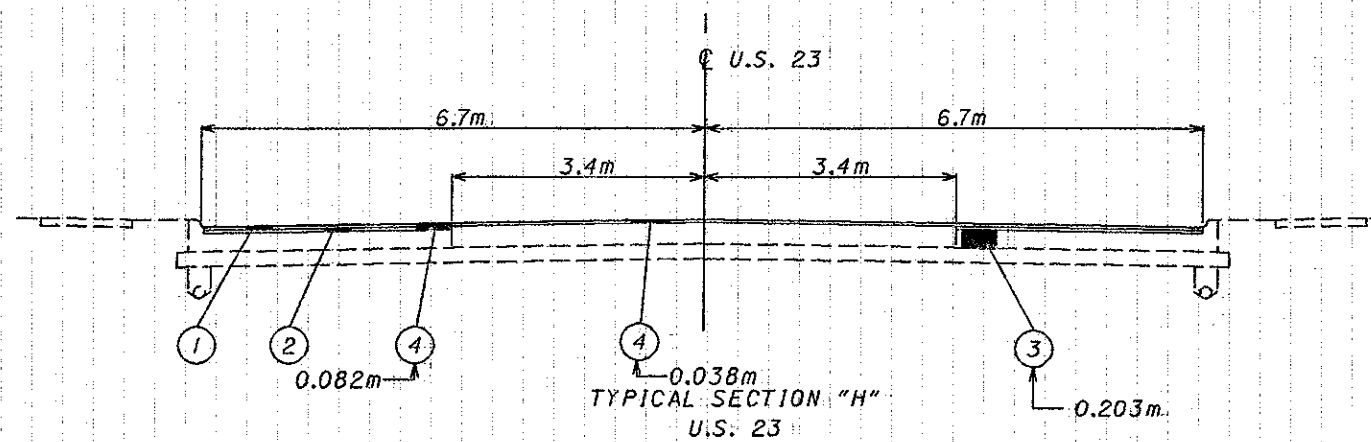
TYPICAL SECTIONS

(Sheet 3 of 3)

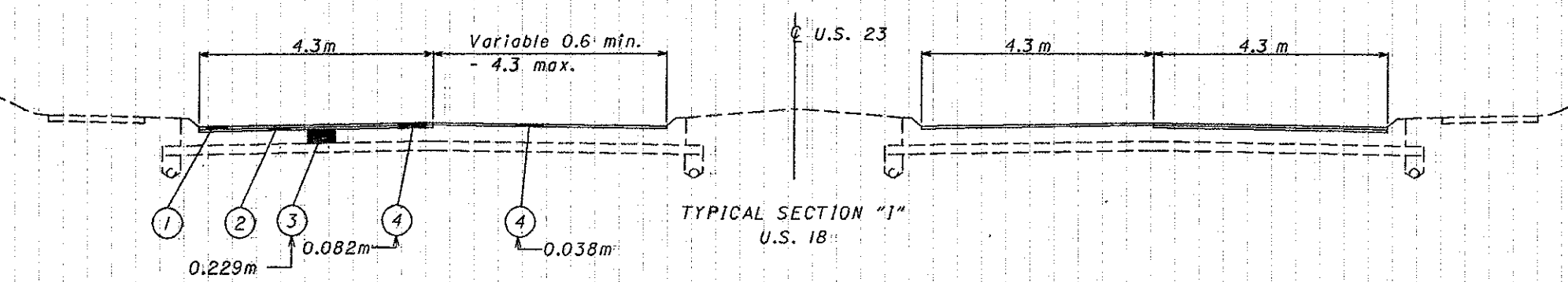
Existing Pavement:
Outside (2.1m LT. & RT.)
Asphalt Concrete on 0.203m of
concrete on a 0.102m blanket course.
Inside: Asphalt Concrete on 0.229m of
concrete.



Existing Pavement:
Asphalt Concrete on 0.203m of
concrete on a 0.102m blanket course.



Existing Pavement:
Asphalt Concrete on 0.229m
of concrete on a 0.152m
blanket course.



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PLAN NO.

TYPICAL SECTIONS

SEN-23-(18-070)(20-284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108

25
50

P - Pavement Width (Meter)

P A R T	S I D E	STATION		LENGTH METER	WIDTH P	LANE				202	202	255	255	255	446		609		612	TYPICAL SECTION
						LD.	LP.	R.P.	R.D.	CURB REMOVED METER	TRAFFIC ISLAND REMOVED SQ. METER	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS C 0.229 M. SQ. METER	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS FS 0.229 M. SQ. METER	FULL DEPTH PAVEMENT SAWING METER	ASPHALT CONCRETE		CURB		TRAFFIC ISLAND SQ. METER	
		FROM or AT	TO											0.076 METER	0.102 METER	TYPE 2A	TYPE 3A			
1	Rt.&Lt.	18+072		1.8	7.3	X			X			13.1	20.0	1.0					A or B	
1	Lt.	18+103		1.8	3.7	X						6.7	11.0	0.5					A or B	
1	Rt.&Lt.	18+211		1.8	8.5	X			X	3.6		15.3	18.8	1.2			3.6		C	
1	Lt.	18+284		1.8	4.3	X				1.8		7.7	10.4	0.6			1.8		C	
1	Lt.	18+302		1.8	4.3	X				1.8		7.7	10.4	0.6			1.8		C	
1	Lt.	18+335		1.8	4.3	X				1.8		7.7	10.4	0.6			1.8		C	
1	Lt.	18+351		1.8	4.3	X				1.8		7.7	10.4	0.6			1.8		D	
1	Lt.	18+390		1.8	4.3	X				1.8		7.7	10.4	0.6			1.8		D	
1	Lt.	18+398		1.8	4.3	X				1.8		7.7	10.4	0.6			1.8		D	
1	Lt.	18+414		1.8	4.3	X				1.8		7.7	10.4	0.6			1.8		D	
1	Lt.	18+423		1.8	4.3	X						7.7	10.4	0.6					D	
1	Rt.	18+428		1.8	4.3			X			0.4		7.7	10.4	0.6			0.4	D	
1	Lt.	18+511		1.8	8.8	X	X					15.8	19.4	1.2					D	
1	Rt.	18+521		1.8	4.4			X				7.9		0.6					D	
1	Rt.	18+551		1.8	8.8			X	X	3.6		15.8	19.4	1.2			3.6		D	
1	Rt.	18+564		1.8	8.8			X	X	3.6		15.8	19.4	1.2			3.6		D	
1	Lt.	18+568		1.8	8.8	X	X			3.6		15.8	19.4	1.2			3.6		D	
1	Lt.	18+599		1.8	8.8	X	X			3.6		15.8	19.4	1.2			3.6		D	
1	Rt.	18+601		3.0	8.8			X	X	6.0		26.4	20.6	2.0			6.0		D	
1	Rt.	18+612		1.8	4.4				X	1.8		7.9	10.6	0.6			1.8			
1	Rt.	18+624		1.8	8.8			X	X			15.8	23.0	1.2						
1	Rt.	18+653		1.8	8.8			X	X	3.6		15.8	19.4	1.2			3.6			
1	Lt.	18+663		1.8	8.8	X	X			3.6		15.8	19.4	1.2			3.6			
1	Rt.	18+687		1.8	8.8			X	X	1.8		15.8	21.2	1.2			1.8			
1	Rt.&Lt.	18+710		1.8	16.5	X	X	X	X	3.6		29.7	38.4	2.3			3.6		E	
1	Rt.&Lt.	18+741		1.8	16.2	X	X	X	X	3.6		29.2	37.8	2.2			3.6		E	
1	Lt.	18+750		1.8	4.1	X				1.8		7.4	10.0	0.6			1.8		E	
1	Lt.	18+755		1.8	4.3		X					7.7	12.2	0.6					E	
1	Rt.	18+763		1.8	7.8			X	X	1.8		14.0	17.4	1.1			1.8		E	
1	Rt.&Lt.	18+772		1.8	16.2	X	X	X	X	3.6		29.2	37.8	2.2			3.6		E	
1	Rt.&Lt.	18+786		1.8	8.2	X			X	3.6		14.8	20.0	1.1			3.6		E	
1	Rt.&Lt.	18+820		1.8	16.2	X	X	X	X	3.6		29.2	37.8	2.2			3.6		E	
1	Rt.	18+833		1.8	4.1				X	1.8		7.4	10.0	0.6			1.8		E	
1	Lt.	18+843		1.8	4.1	X				1.8		7.4	10.0	0.6			1.8		E	
1	Rt.&Lt.	18+908		1.8	16.2	X	X	X	X	3.6		29.2	37.8	2.2			3.6		E	

CALCULATED
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 PLAN NO.
 PAVEMENT REPAIRS - PART 1
 SEN-23-18.0701(20.284)
 W00-23-0.000
 SEN-12-0.000 SEN-18-2.108
 26
 50

SEWOPRT.dgn

P = Pavement Width (Meter)

PART 1 - LOCATION TABLE (SHEET 2 OF 4)

PART	SIDE	STATION		LENGTH	WIDTH	LANE				202	255	255	255	255	446		609		612	TYPICAL SECTION
										CURB REMOVED	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS C 0.229 M.	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS C 0.203 M.	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS FS 0.229 M.	FULL DEPTH PAVEMENT SAWING	ASPHALT CONCRETE		CURB		CONCRETE MEDIAN	
		FROM or AT	TO	METER	P	LD.	LP.	RP.	R.D.	METER	SQ. METER	SQ. METER	SQ. METER	METER	0.076 METER	0.102 METER	TYPE 2A	TYPE 3A	SQ. METER	
1	Lt.	18+956		1.8	4.1	X				1.8	7.4			10.0	0.6		1.8		E	
1	Lt.	19+017		1.8	4.1	X				1.8	7.4			10.0	0.6		1.8		E	
1	Rt.&Lt.	19+038		1.8	16.2	X	X	X	X	3.6	29.2			37.8	2.2		3.6		E	
1	Rt.	19+047		1.8	3.7			X			6.7			11.0	0.5				E	
1	Rt.&Lt.	19+068		1.8	7.9			X	X		14.2			21.2	1.1				E	
1	Rt.&Lt.	19+097		1.8	16.2	X	X	X	X	3.6	29.2			37.8	2.2		3.6		E	
Suspend Part 1 - Sta. 19+128																				
Resume Part 1 - Sta. 20+284.2																				
1	Lt.	20+304		1.8	3.5	X				1.8	6.3			8.8	0.5		1.8		F	
1	Rt.&Lt.	20+319		1.8	6.9	X		X		1.8	12.4			19.2	0.9		1.8		F	
1	Lt.	20+339	20+378	39.0	3.5	X				39.0	136.5			46.0	10.4		39.0		F	
1	Rt.	20+367		1.8	6.9			X	X	1.8	12.4			17.4	0.9		1.8		F	
1	Lt.	20+375		1.8	3.4		X				6.1			10.4	0.5				F	
1	Rt.	20+388		1.8	3.5				X	1.8	6.3			8.8	0.5		1.8		F	
1	Rt.	20+397		1.8	6.9			X	X	1.8	12.4			17.4	0.9		1.8		F	
1	Lt.	20+404		1.8	6.9	X	X			1.8	12.4			17.4	0.9		1.8		F	
1	Lt.	20+413		1.8	3.5	X				1.8	6.3			8.8	0.5		1.8		F	
1	Lt.	20+432		1.8	3.5	X				1.8	6.3			8.8	0.5		1.8		F	
1	Lt.	20+474	20+511	37.0	3.5	X				37.0	129.5			44.0	9.8		37.0		F	
1	Rt.	20+494		1.8	6.9			X	X	1.8	12.4			17.4	0.9		1.8		F	
1	Rt.	20+529		1.8	6.9			X	X	1.8	12.4			17.4	0.9		1.8		F	
1	Lt.	20+549		1.8	6.9	X	X			1.8	12.4			17.4	0.9		1.8		F	
1	Lt.	20+555		1.8	3.4		X				6.1			10.4	0.5				F	
1	Lt.	20+557		1.8	3.5	X				1.8	6.3			8.8	0.5		1.8		F	
1	Rt.	20+565		1.8	6.9			X	X	1.8	12.4			17.4	0.9		1.8		F	
1	Lt.	20+576		1.8	6.9	X	X			1.8	12.4			17.4	0.9		1.8		F	
1	Rt.	20+592		1.8	3.5				X	1.8	6.3			8.8	0.5		1.8		F	
1	Lt.	20+593		1.8	3.5	X				1.8	6.3			8.8	0.5		1.8		F	
1	Rt.	20+611		1.8	3.5	X				1.8	6.3			8.8	0.5		1.8		F	
1	Lt.	20+615		1.8	6.9	X	X			1.8	12.4			17.4	0.9		1.8		F	
1	Rt.	20+619		1.8	3.5				X	1.8	6.3			8.8	0.5		1.8		F	
1	Rt.	20+648		1.8	6.9			X	X		12.4			19.2	0.9				F	
1	Rt.	20+664		1.8	3.5				X	1.8	6.3			8.8	0.5		1.8		F	
1	Rt.	20+687	20+709	22.0	3.5				X	22.0	29.0			29.0	2.2		22.0		F	

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PLAN NO.

PAVEMENT REPAIRS - PART 1

SEN-23-180701(20.284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108

CHECKED
JEH
ALS

P = Pavement Width (Meter)

PART	SIDE	STATION		LENGTH	WIDTH	LANE				202	255	255	255	255	446		609		612	TYPICAL SECTION
										CURB REMOVED	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS C 0.229 M.	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS C 0.203 M.	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS FS 0.229 M.	FULL DEPTH PAVEMENT SAWING	ASPHALT CONCRETE		CURB		CONCRETE MEDIAN	
		FROM or AT	TO	METER	P	LD.	LP.	RP.	RD.	METER	SQ. METER	SQ. METER	SQ. METER	METER	0.076 METER	0.102 METER	TYPE 2A	TYPE 3A	SQ. METER	
1	Lt.	20+690		1.8	3.5	X				1.8	6.3			8.8	0.5		1.8		F	
1	Rt.	20+730	20+745	15.0	3.5				X	15.0	52.5			22.0	4.0		15.0		F	
1	Lt.	20+735		1.8	3.5	X				1.8	6.3			8.8	0.5		1.8		F	
1	Lt.	20+790		1.8	3.5	X				1.8	6.3			8.8	0.5		1.8		F	
1	Rt.	20+803		1.8	6.9			X	X	1.8	12.4			17.4	0.9		1.8		F	
1	Lt.	20+811		1.8	3.5	X				1.8	6.3			8.8	0.5		1.8		F	
1	Rt.	20+835	20+845	10.0	3.5				X	10.0	35.0			17.0	2.7		10.0		F	
1	Rt.	20+843	20+845	2.0	3.4				X		6.8			8.8	0.5				F	
1	Lt.	20+849		1.8	6.9	X	X			1.8	12.4			17.4	0.9		1.8		F	
1	Lt.	20+881		1.8	3.4		X				6.1			10.4	0.5				F	
1	Rt.	20+884		1.8	6.9			X	X	1.8	12.4			17.4	0.9		1.8		F	
1	Rt.	20+900		1.8	3.5				X	1.8	6.3			8.8	0.5		1.8		F	
1	Lt.	20+909	20+919	10.0	3.5	X				10.0	35.0			17.0	2.7		10.0		F	
1	Rt.	20+917	20+934	17.0	6.9				X	17.0	117.3			47.8	8.9		17.0		F	
1	Lt.	20+933		1.8	6.9	X	X			1.8	12.4			17.4	0.9		1.8		F	
1	Lt.	20+967		1.8	3.5	X				1.8	6.3			8.8	0.5		1.8		F	
1	Rt.	20+972	20+989	17.0	3.5				X	17.0	59.5			24.0	4.5		17.0		F	
1	Lt.	20+984		1.8	3.5	X				1.8	6.3			8.8	0.5		1.8		F	
1	Lt.	20+998	21+011	13.0	3.5	X				13.0	45.5			20.0	3.5		13.0		F	
1	Rt.	21+002		1.8	3.5				X	1.8	6.3			8.8	0.5		1.8		F	
1	Rt.	21+026	21+039	13.0	3.5				X	13.0	45.5			20.0	3.5		13.0		F	
1	Lt.	21+052	21+079	27.0	3.5	X				27.0	94.5			34.0	7.2		27.0		F	
1	Lt.	21+101		1.8	2.3	X				1.8		4.1		6.4	0.4		1.8		G	
1	Lt.	21+124		1.8	2.3	X				1.8		4.1		6.4	0.4		1.8		G	
1	Lt.	21+150		1.8	2.3	X				1.8		4.1		6.4	0.4		1.8		G	
1	Rt.	21+182		1.8	2.3				X	1.8		4.1		6.4	0.4		1.8		G	
1	Lt.	21+205		1.8	2.3	X				1.8		4.1		6.4	0.4		1.8		G	
1	Lt.	21+247	21+251	4.0	2.3	X				4.0		9.2		8.6	0.9		4.0		G	
1	Lt.	21+307		1.8	6.9			X	X	1.8	12.4▲			17.4	1.3		1.8		G	
1	Rt.	21+330		1.8	6.9			X	X	1.8	12.4▲			17.4	1.3		1.8		G	
1	Lt.	21+331		1.8	6.9	X	X			1.8	12.4▲			17.4	1.3		1.8		G	
1	Rt.	21+356		1.8	2.3				X	1.8		4.1		6.4	0.4		1.8		G	
1	Lt.	21+364		1.8	2.3	X				1.8		4.1		6.4	0.4		1.8		G	
1	Rt.	21+373		1.8	2.3				X	1.8		4.1		6.4	0.4		1.8		G	
1	Lt.	21+384		1.8	2.3	X				1.8		4.1		6.4	0.4		1.8		G	

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DATE: JEH
CHECKED: ALS

PLAN NO.

PAVEMENT REPAIRS - PART 1

SEN-23-18.070(X)20.284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108

P = Pavement Width (Meter)

PART 1~ LOCATION TABLE (SHEET 4 OF 4)

▲ See Detail "B", Sheet No.34

P A R T	S I D E	STATION		LENGTH	WIDTH	LANE				202	202	255	255	255	255	446		609		612	TYPICAL SECTION
										CURB REMOVED	TRAFFIC ISLAND REMOVED	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS C 0.229 M.	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS C 0.203 M.	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS FS 0.229 M.	FULL DEPTH PAVEMENT SAWING	ASPHALT CONCRETE		CURB		TRAFFIC ISLAND	
		FROM or AT	TO	METER	P	LD.	LP.	RP.	R.D.	METER	CU. METER	SQ. METER	SQ. METER	SQ. METER	METER	0.076 METER	0.102 METER	TYPE 2A	TYPE 3A	SQ. METER	
1	Rt.	21+402		1.8	2.3				X	1.8			4.1		6.4		0.4	1.8		G	
1	Rt.	21+409		1.8	2.3				X	1.8			4.1		6.4		0.4	1.8		G	
1	Rt.	21+416		1.8	2.3				X	1.8			4.1		6.4		0.4	1.8		G	
1	Lt.	21+419		1.8	6.9	X	X			1.8		12.4▲			17.4		1.3	1.8		G	
1	Lt.	21+434		1.8	2.3	X				1.8			4.1		6.4		0.4	1.8		G	
1	Rt.	21+435		1.8	2.3				X	1.8			4.1		6.4		0.4	1.8		G	
1	Lt.	21+447		1.8	2.3	X				1.8			4.1		6.4		0.4	1.8		G	
1	Rt.	21+463		1.8	6.9				X	1.8		12.4▲			17.4		1.3	1.8		G	
Part 1 Totals - Carried to General Summary									404.6	0.4	1260.4	475.7	89.0	1716.6	128.9	13.4	404.6	9.0	0.4		

SEWOPRT.dgn

PLAN NO.

PAVEMENT REPAIRS - PART 1

SEN-23-18.0701(20.284)
W00-23-0-000
SEN-12-0-000 SEN-18-2-108

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PART	SIDE	STATION		LENGTH	WIDTH	LANE				202	255	255	255	255	446		609	612	TYPICAL SECTION	
										CURB REMOVED	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS C 0.229 M.	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS C 0.203 M.	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS FS 0.203 M.	FULL DEPTH PAVEMENT SAWING	ASPHALT CONCRETE		CURB, TYPE 2A	CONCRETE MEDIAN		
		FROM or AT	TO	METER	P	LD.	LP.	RP.	R.D.	METER	SQ. METER	SQ. METER	SQ. METER	METER	0.076 METER	0.102 METER	METER	SQ. METER		
2	Lt.	0+11	0+17	6.0	3.5	X				6.0		21.0		13.0		2.1	6.0		H	
2	Rt.	0+13		1.8	6.9				X	X	1.8		12.4		17.4		1.3	1.8		H
2	Rt.	0+34		1.8	6.9				X	X	1.8		12.4		17.4		1.3	1.8		H
2	Lt.	0+36		1.8	6.9	X	X				1.8		12.4		17.4		1.3	1.8		H
2	Lt.	0+52		1.8	6.9	X	X				1.8		12.4		17.4		1.3	1.8		H
2	Lt.	0+53		1.8	6.9				X	X	1.8		12.4		17.4		1.3	1.8		H
2	Rt.&Lt.	0+77		1.8	10.4	X			X	X	3.6		18.7		26.2		1.9	3.6		H
2	Lt.	0+93		1.8	3.5	X					1.8		6.3		8.8		0.6	1.8		H
2	Lt.	0+109		1.8	3.5	X					1.8		6.3		8.8		0.6	1.8		H
2	Lt.	0+133		1.8	3.5	X					1.8		6.3		8.8		0.6	1.8		H
2	Lt.	0+158		1.8	3.5	X					1.8		6.3		8.8		0.6	1.8		H
2	Rt.	0+159		3.0	3.5					X	3.0		10.5		10.0		1.1	3.0		H
2	Lt.	0+168		1.8	3.5	X					1.8		6.3		8.8		0.6	1.8		H
2	Lt.	0+186		1.8	3.5	X					1.8		6.3		8.8		0.6	1.8		H
2	Lt.	0+236		1.8	3.5	X					1.8		6.3		8.8		0.6	1.8		H
2	Rt.	0+275		1.8	6.9				X	X	1.8		12.4		17.4		1.3	1.8		H
2	Rt.	0+307		1.8	6.9				X	X	1.8		12.4		17.4		1.3	1.8		H
2	Lt.	0+323		1.8	3.5	X					1.8		6.3		8.8		0.6	1.8		H
2	Rt.	0+330		1.8	3.5					X	1.8		6.3		8.8		0.6	1.8		H
2	Lt.	0+343		1.8	6.9	X	X				1.8		12.4		17.4		1.3	1.8		H
2	Rt.	0+346		1.8	6.9				X	X	1.8		12.4		17.4		1.3	1.8		H
2	Lt.	0+353		1.8	6.9	X	X				1.8		12.4		17.4		1.3	1.8		H
2	Rt.	0+357		1.8	6.9				X	X	1.8		12.4		17.4		1.3	1.8		H
2	Rt.	0+369		1.8	3.5					X	1.8		6.3		8.8		0.6	1.8		H
2	Lt.	0+380		1.8	6.9	X	X				1.8		12.4		17.4		1.3	1.8		H
2	Rt.	0+384		1.8	6.9				X	X	1.8		12.4		17.4		1.3	1.8		H
2	Lt.	0+405		1.8	6.9	X	X				1.8		12.4		17.4		1.3	1.8		H
2	Lt.	0+420		1.8	3.5	X					1.8		6.3		8.8		0.6	1.8		H
2	Rt.	0+425		1.8	6.9				X	X	1.8		12.4		17.4		1.3	1.8		H
2	Lt.	0+430		1.8	6.9	X	X				1.8		12.4		17.4		1.3	1.8		H
2	Rt.	0+433		1.8	6.9				X	X	1.8		12.4		17.4		1.3	1.8		H
2	Lt.	0+444		1.8	3.5	X					1.8		6.3		8.8		0.6	1.8		H
2	Lt.	0+457		1.8	3.5	X					1.8		6.3		8.8		0.6	1.8		H
2	Lt.	0+476		1.8	3.5	X					1.8		6.3		8.8		0.6	1.8		H
2	Lt.	0+522		1.8	4.6	X					1.8		8.3		11.0		0.8	1.8		H

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PLAN NO.

PAVEMENT REPAIRS - PART 2

SEN-23-18.0701(20.284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108

30
50

SEWOPRT.dgn

P = Pavement Width (Meter)

PART 2 ~ LOCATION TABLE (SHEET 2 OF 2)

PART	SIDE	STATION		LENGTH	WIDTH	LANE				202	255	255	255	255	446		609	612	TYPICAL SECTION
										CURB REMOVED	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS C 0.229 M.	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS C 0.203 M.	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS FS 0.203 M.	FULL DEPTH PAVEMENT SAWING	ASPHALT CONCRETE		CURB, TYPE 2A	CONCRETE MEDIAN	
		FROM or AT	TO	METER	P	LD.	LP.	RP.	RD.	METER	SQ. METER	SQ. METER	SQ. METER	METER	0.076 METER	0.102 METER	METER	SQ. METER	
2	Rt.	0+524		1.8	7.9				X	3.6			14.2	15.8		1.4	3.6		
2	Rt.&Lt.	0+556		1.8	12.2	X			X	5.4			22.0	24.4		2.2	5.4		
2	Lt.	0+568		1.8	7.0	X							12.6	14.0		1.3			
Part 2 Totals - Carried to General Summary									79.2		349.2	57.1	54.2		41.3	79.2			

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PLAN NO.

PAVEMENT REPAIRS - PART 2

SEN-23-180701(20-284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108

SEWOPRT.dgn

P = Pavement Width (Meter) S = Shoulder Width

PART 3 ~ LOCATION TABLE (SHEET 1 OF 1)

PART	SIDE	STATION		LENGTH	WIDTH	LANE				202	255	255	255	255	446		609	612	TYPICAL SECTION
										CURB REMOVED	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS C 0.229 M.	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS C 0.203 M.	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS FS 0.229 M.	FULL DEPTH PAVEMENT SAWING	ASPHALT CONCRETE		CURB, TYPE 2A	CONCRETE MEDIAN	
		FROM or AT	TO	METER	P	LD.	LP.	RP.	RD.	METER	SQ. METER	SQ. METER	SQ. METER	METER	0.076 METER	0.102 METER	METER	SQ. METER	
3	Rt.&Lt.	0+040		1.8	12.0	X	X	X		1.8	21.6			29.4	1.6		1.8		E
3	Rt.&Lt.	0+030		1.8	7.8	X		X		1.8	14.0			21.0	1.1		1.8		E
3	Rt.&Lt.	0+017		1.8	7.9		X	X			14.2			21.2	1.1				E
3	Rt.&Lt.	0+025		1.8	7.9		X	X			14.2			21.2	1.1				E
3	Rt.&Lt.	0+082		1.8	16.2	X	X	X	X	3.6	29.2			37.8	2.2		3.6		E
3	Rt.&Lt.	0+102		1.8	16.2	X	X	X	X	3.6	29.2			37.8	2.2		3.6		E
3	Rt.&Lt.	0+127		1.8	12.0	X	X	X		1.8	21.6			29.4	1.6		1.8		E
3	Rt.&Lt.	0+155		1.8	16.2	X	X	X	X	3.6	29.2			37.8	2.2		3.6		E
3	Rt.&Lt.	0+172		1.8	16.2	X	X	X	X	3.6	29.2			37.8	2.2		3.6		E
3	Rt.&Lt.	0+203		1.8	16.2	X	X	X	X	3.6	29.2			37.8	2.2		3.6		E
3	Rt.&Lt.	0+234		1.8	16.2	X	X	X	X	3.6	29.2			37.8	2.2		3.6		E
3	Rt.	0+273		1.8	7.8			X	X	1.8	14.0			19.2	1.1		1.8		E
3	Rt.	0+291		1.8	4.1				X	1.8	7.4			10.0	0.6		1.8		E
3	Rt.&Lt.	0+297		1.8	12.0	X	X	X		1.8	21.6			29.4	1.6		1.8		E
3	Rt.	0+339		3.0	7.8			X	X	3.0	23.4			21.6	1.8		3.0		E
3	Rt.&Lt.	0+369		3.7	16.2	X	X	X	X	7.4	59.9			43.5	4.6		7.4		E
3	Lt.	0+396		1.8	8.4	X	X			1.8	15.1			20.4	1.1		1.8		E
3	Rt.&Lt.	0+417		1.8	16.2	X	X	X	X	3.6	29.2			37.8	2.2		3.6		E
Part 3 Totals - Carried to General Summary									48.2	431.4			530.9	32.7		48.2			

DESIGNED BY J.E.H. CHECKED BY ALS

PLAN NO.

PAVEMENT REPAIRS - PART 3

SEN-23-(18.0701/20.284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108



SEWOPRT.dgn

PART	SIDE	STATION		LENGTH METER	WIDTH P	LANE				202	253	255	255	255	255	446		609	TYPICAL SECTION
						LD.	LP.	RP.	RD.	CURB REMOVED METER	PAVEMENT REPAIR 0.152 M. SEE DETAIL "A" SHEET NO.34 SQ. METER	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS C 0.229 M. SQ. METER	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS C 0.203 M. SQ. METER	FULL DEPTH PAVT REMOVAL & RIGID REPLACEMENT CLASS FS 0.229 M. SQ. METER	FULL DEPTH PAVEMENT SAWING METER	ASPHALT CONCRETE 0.02M 0.076M CU. METER		CURB, TYPE 2A METER	
		FROM or AT	TO																
4(C)	Lt.	2+158		1.8	5.2	X				3.6				9.4	10.4		0.7	3.6	1
4(C)	Lt.	2+209		1.8	5.9	X				3.6				10.6	11.8		0.8	3.6	1
4(C)	Lt.	2+223	2+227	4.0	6.4	X				8.0				25.6	12.8		1.9	8.0	1
4(C)	Lt.	2+257		1.8	4.4	X				3.6				7.9	8.8		0.6	3.6	1
4(C)	Lt.	2+279		1.8	4.4	X				3.6				7.9	8.8		0.6	3.6	1
4(C)	Rt.	2+286		1.8	4.4				X	1.8		7.9		10.6			0.6	1.8	1
4(C)	Lt.	2+298		1.8	4.4	X				1.8		7.9		10.6			0.6	1.8	1
4(C)	Rt.	2+338	2+347	9.0	8.8			X	X	18.0		15.8		26.6			1.2	18.0	1
4(C)	Lt.	2+347		1.8	8.7	X	X			3.6		15.7		21.0			1.2	3.6	1
4(C)	Rt.	2+367		1.8	4.4				X			7.9		12.4			0.6		1
4(C)	Rt.	2+392		1.8	8.8				X	3.6		15.8		21.2			1.2	3.6	1
4(C)	Lt.	2+412		1.8	8.8				X	3.6		15.8		21.2			1.2	3.6	1
4(C)	Lt.	2+426		1.8	4.4	X				1.8		7.9		10.6			0.6	1.8	1
4(C)	Lt.	2+431		1.8	8.8	X	X			3.6		15.8		21.2			1.2	3.6	1
4(C)	Rt.	2+439		1.8	4.4				X	1.8		7.9		10.6			0.6	1.8	1
4(C)	Lt.	2+462		1.8	8.8	X	X			3.6		15.8		21.2			1.2	3.6	1
Part 4 - City Totals										(65.6)		(134.2)		(61.4)	(239.8)		(14.8)	(65.6)	
					S	LS.	LP.	RP.	RS.										
4(R)	Rt.	6+700	6+850	150	0.8				X			18.2							
4(R)	Lt.	7+750	7+850	100	0.8	X						12.2							
4(R)	Rt.&Lt.	9+158	9+167	9	1.6	X			X			2.2							
4(R)	Rt.&Lt.	9+184.5	9+200	15.5	1.6	X			X			3.8							
4(R)	Lt.	9+880	9+920	40	0.8	X						4.9							
Part 4 - Rural Totals												(41.3)							
Part 4 Totals - Carried to General Summary										65.6		41.3		61.4	239.8		14.8	65.6	

Note: All locations are approximate. The engineer shall field verify all locations prior to the beginning of work. Any adjustments necessary shall be as directed by the engineer.

PLAN NO.

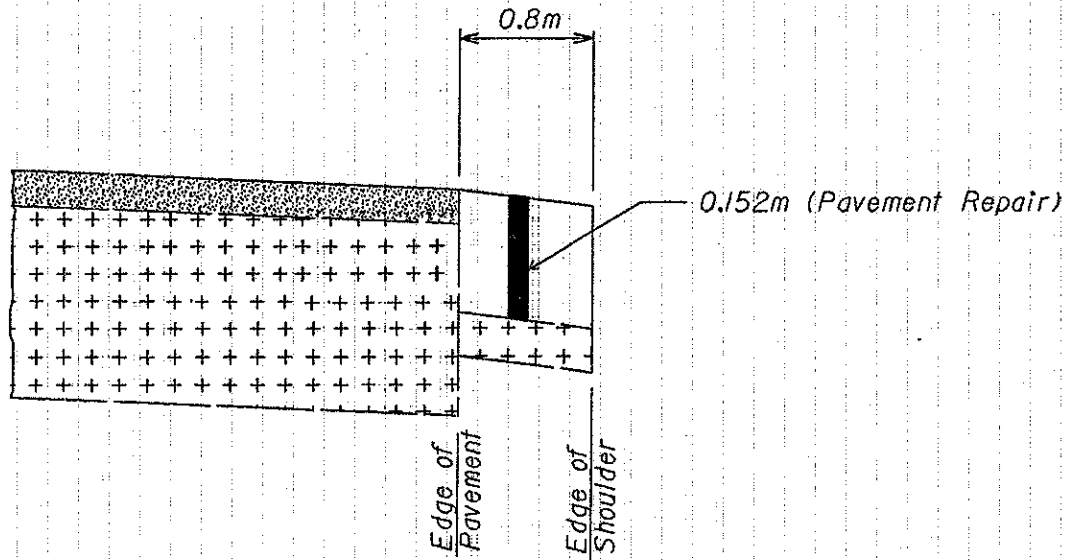
PAVEMENT REPAIRS - PART 4

SEN-23-18.0701(20.284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108


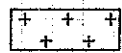
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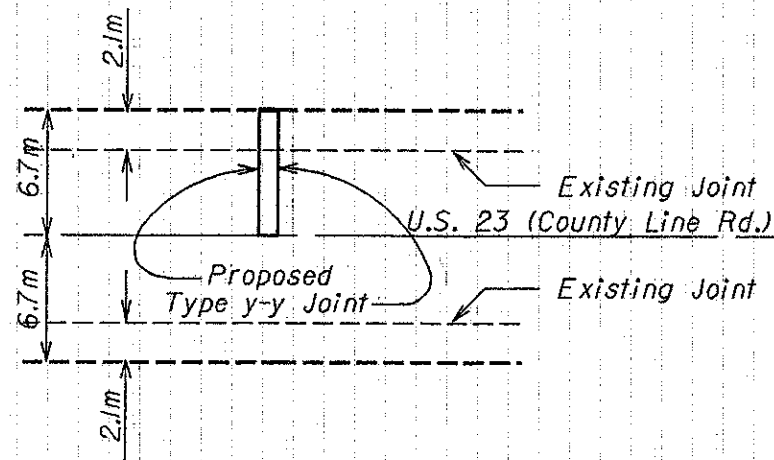
Detail "A" (Part 4)



LEGEND

-  Asphalt
-  Existing base material

Detail "B" (Part 1)



See Typical Section "G"
Sheet No. 25

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PLAN NO.

PAVEMENT DETAILS

SEN-23-(18,070)(20:284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108

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ALL QUANTITIES CARRIED TO GENERAL SUMMARY

CO.	ROUTE	STATION		642 QUANTITIES					642 CENTER LINE
		FROM	TO	CENTER LINE KILOMETERS					
				TOTAL	DASHED	SOLID			
			LEFT	DOUBLE	RIGHT				
SEN	U.S. 23	18+070	18+394	0.324		0.648			PART 1
SEN	U.S. 23	18+674	19+128	0.454		0.908			PART 1
SEN	U.S. 23	20+284.2	21+466.7	1.183		2.365			PART 1
SEN	U.S. 23	0+000	0+497	0.497		0.994			PART 2
WOO	U.S. 23	0+582	0+605	0.023		0.092			PART 2
WOO	U.S. 23	0+605	0+653	0.048		0.096			PART 2
SEN	S.R. 12	0-045	0+420	0.465		0.930			PART 3
SEN	S.R. 18	2+540	3+946	1.406		2.812			PART 4 (CITY)
SEN	S.R. 18	3+946	3+976.3	0.030	0.030	0.030			PART 4 (CITY)
SEN	S.R. 18	3+976.3	4+281	0.305	0.305				PART 4 (RURAL)
SEN	S.R. 18	4+281	4+410	0.129	0.129			0.129	PART 4 (RURAL)
SEN	S.R. 18	4+410	4+456	0.046		0.092			PART 4 (RURAL)
SEN	S.R. 18	4+456	4+567	0.111	0.111	0.111			PART 4 (RURAL)
SEN	S.R. 18	4+567	9+748	5.181	5.181				PART 4 (RURAL)
SEN	S.R. 18	9+748	9+840	0.092	0.092			0.092	PART 4 (RURAL)
SEN	S.R. 18	9+840	9+854	0.014		0.028			PART 4 (RURAL)
SEN	S.R. 18	9+854	9+920	0.066	0.066	0.066			PART 4 (RURAL)
CENTER LINE TOTAL				10.374	5.914	0.207	8.965	0.221	

CO.	ROUTE	STATION		WHITE EDGE LINE QUANTITIES			YELLOW EDGE LINE QUANTITIES			642 EDGE LINE	
		FROM	TO	TOTAL	HWY.	RAMP	TOTAL	HWY.	RAMP		
				KILO-METERS	KILO-METERS	KILO-METERS	KILO-METERS	KILO-METERS	KILO-METERS		
SEN	U.S. 23	18+070	18+125.5	0.111	0.056					PART 1, Rt.&Lt.	
WOO	U.S. 23	0+543.3	0+562.7	0.019	0.019					PART 2, Rt.	
WOO	U.S. 23	0+562.7	0+653	0.180	0.090					PART 2, Rt.&Lt.	
SEN	S.R. 18	2+520	3+976.3	1.456	1.456					PART 4, Rt. (CITY)	
SEN	S.R. 18	2+539	3+976.3	1.473	1.473					PART 4, Lt. (CITY)	
SEN	S.R. 18	3+976.3	9+920	11.888	5.944					PART 4, Rt.&Lt. (RURAL)	
EDGE LINE TOTAL				15.127	9.038						

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PLAN NO.

PAVEMENT MARKING

SEN-23-(18,070)(20,284)
WOO-23-0.000
SEN-12-0.000 SEN-18-2.108

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CO.	ROUTE	STATION		642 QUANTITIES				642 LANE LINE	REMARKS
		FROM	TO	LANE LINE KILOMETERS					
				TOTAL	DASHED	SOLID			
SEN	U.S. 23	18+504.5	19+128	0.624	0.624			PART 1, Rt.	
SEN	U.S. 23	18+564	19+128	0.564	0.564			PART 1, Lt.	
SEN	U.S. 23	20+284.2	21+466.7	2.366	2.366			PART 1, Rt.&Lt.	
WOO	U.S. 23	0+000	0+392	0.392	0.392			PART 2, Rt.	
WOO	U.S. 23	0+000	0+491	0.491	0.491			PART 2, Lt.	
SEN	S.R. 12	0+000	0+420	0.840	0.840			PART 3, Rt.&Lt.	
SEN	S.R. 18	2+453.1	2+469	0.016		0.016		PART 4, Rt. (CITY)	
LANE LINE TOTAL				5.293	5.277	0.016			

CALCULATED
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 PLAN NO.

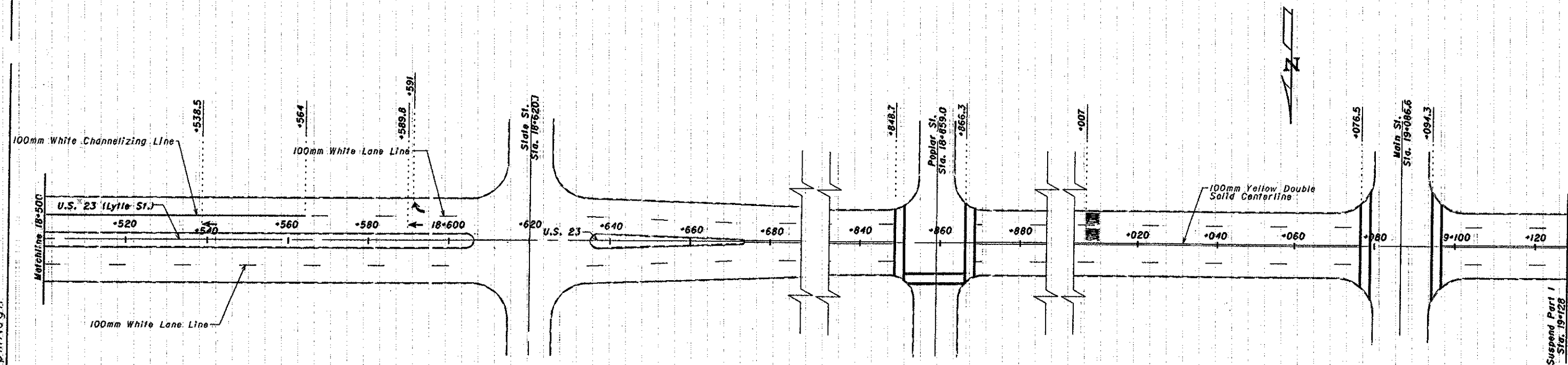
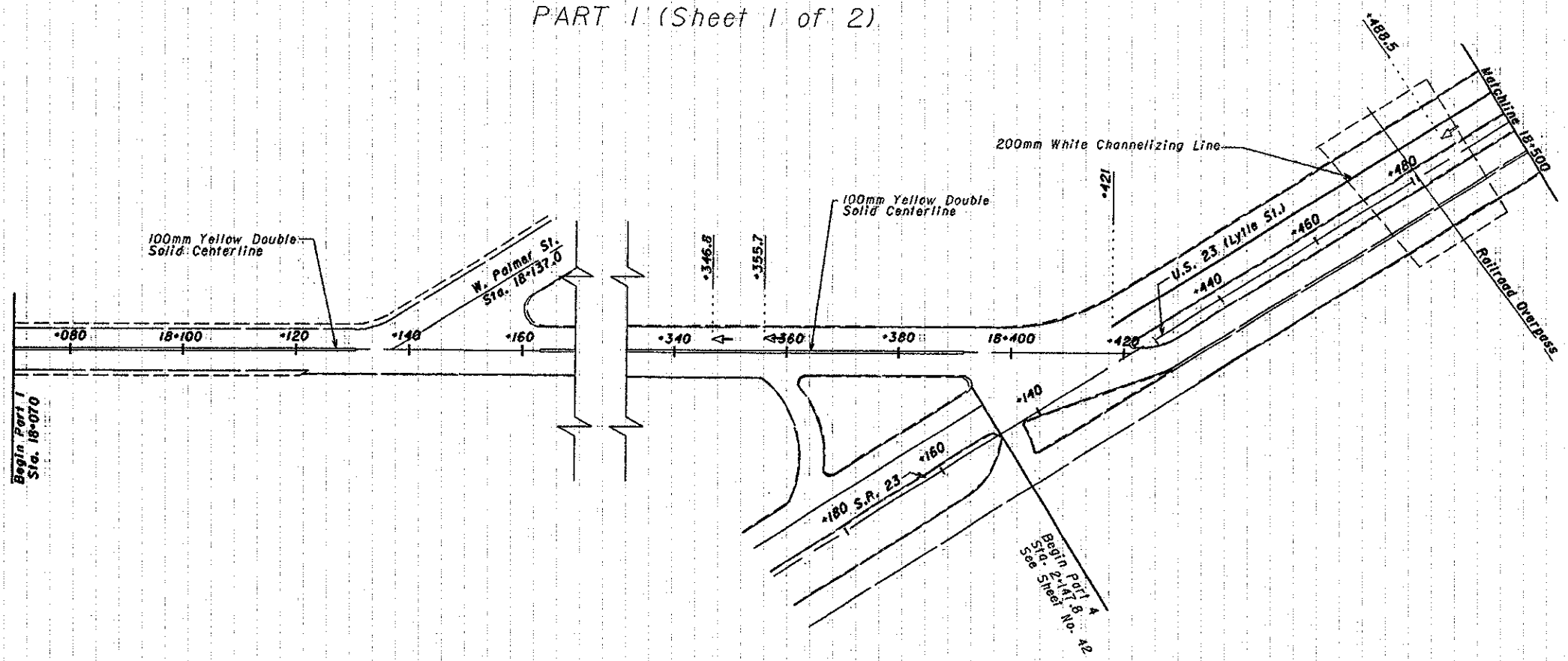
PAVEMENT MARKING

CO.	ROUTE	STATION		AUXILIARY MARKING											REMARKS		
				0.610 m TRANSVERSE LINES		0.610 m STOP LINES	0.305 m CROSS-WALK LINES	WORD ON PAVEMENT		LANE ARROWS				R.R. SYMBOL ON PAV'T		DOTTED LINES	
				WHITE	YELLOW			ONLY	SCHOOL	TURN		THRU	COMB.			WHITE	YELLOW
				METER	METER	METER	METER	1.829 m	1.829 m	LEFT	RIGHT			EACH		EACH	EACH
SEN	U.S. 23	18+070	19+128			159		2			1	5				PART 1	
SEN	U.S. 23	20+284.2	21+466.7			40		4		1			1			PART 1	
WOO	U.S. 23	0+000	0+653			26										PART 2	
SEN	S.R. 12	0+045	0+420			8		2		1		1				PART 3	
SEN	S.R. 18	2+147.8	3+976.3	128		19				3	3					PART 4 (CITY)	
AUXILIARY MARKING TOTALS				128	93	560		8	5	4	6	1					

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 W00-23-0,000
 SEN-12-0,000 SEN-18-2,108

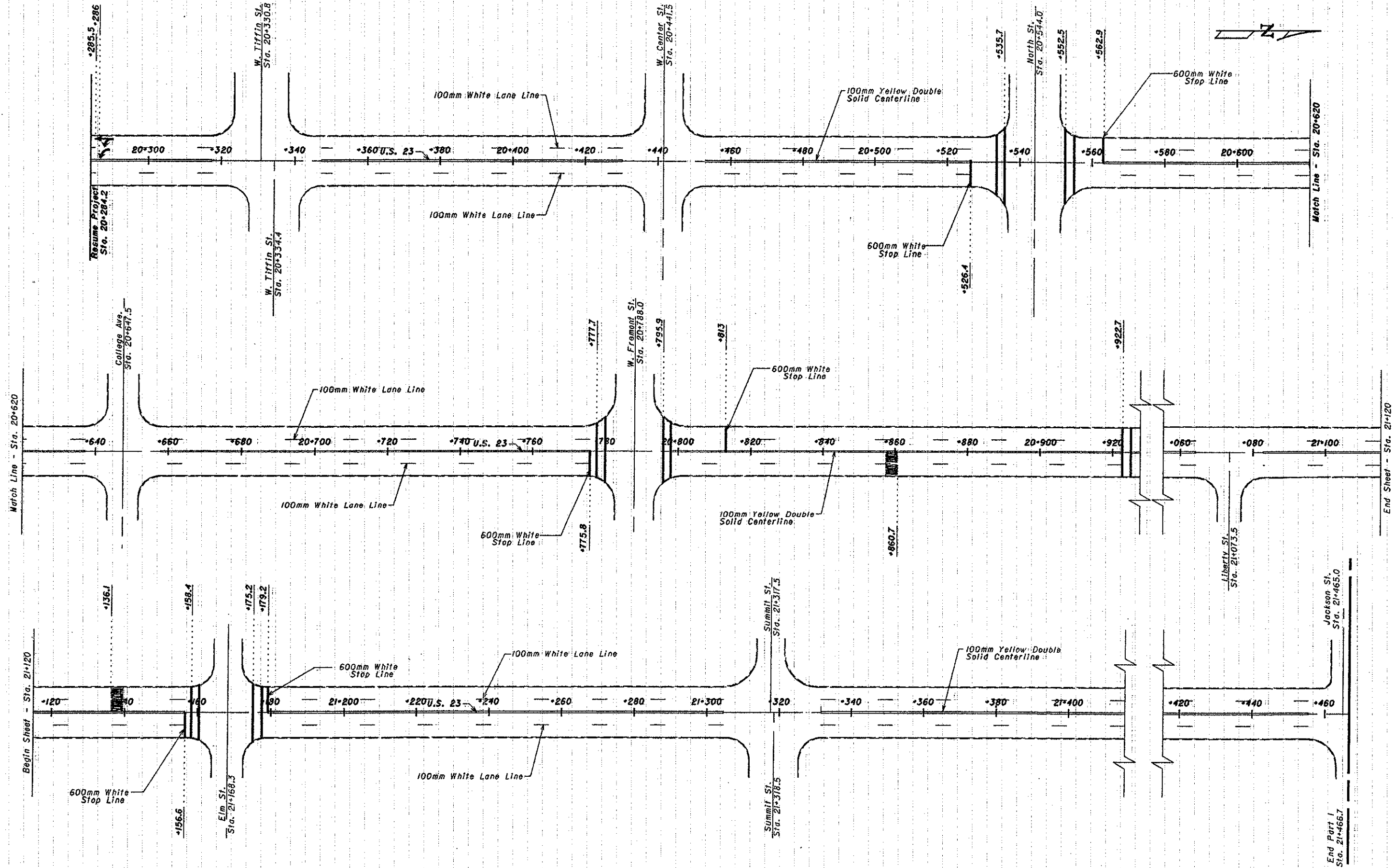
PAVEMENT MARKING
PART 1 (Sheet 1 of 2)



CALCULATED JEH CHECKED ALS	PLAN NO. PAVEMENT MARKING - PART 1
SEN-23-(18.070)(20.284) W00-23-0.000 SEN-12-0.000 SEN-18-2.108	
38 50	

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PAVEMENT MARKING
PART 1 (Sheet 2 of 2)



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08-04-00

PLAN NO.

PAVEMENT MARKING - PART 1

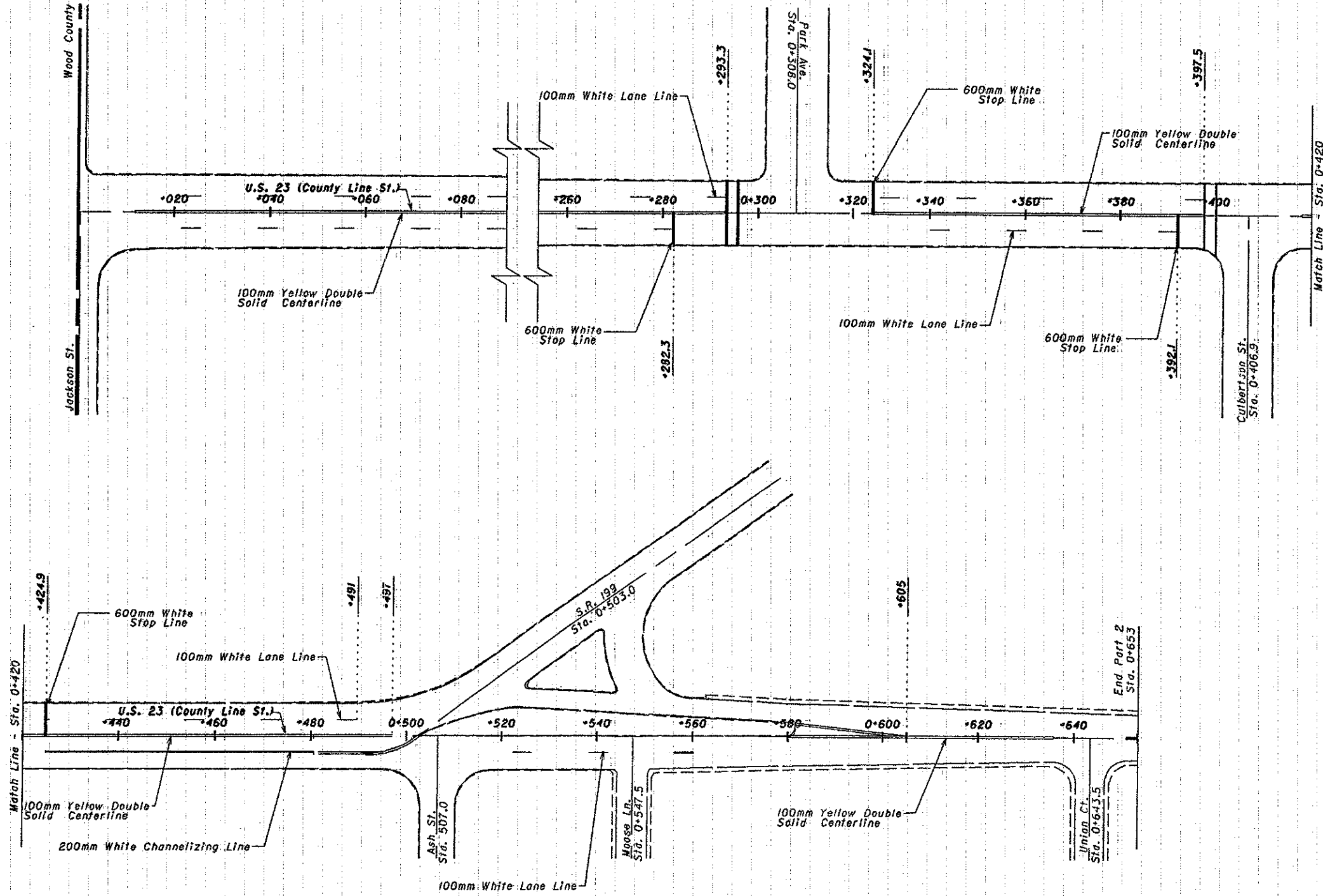
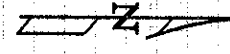
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SEN-12-0.000 SEN-18-2.108

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PAVEMENT MARKING PART 2



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PLAN NO.

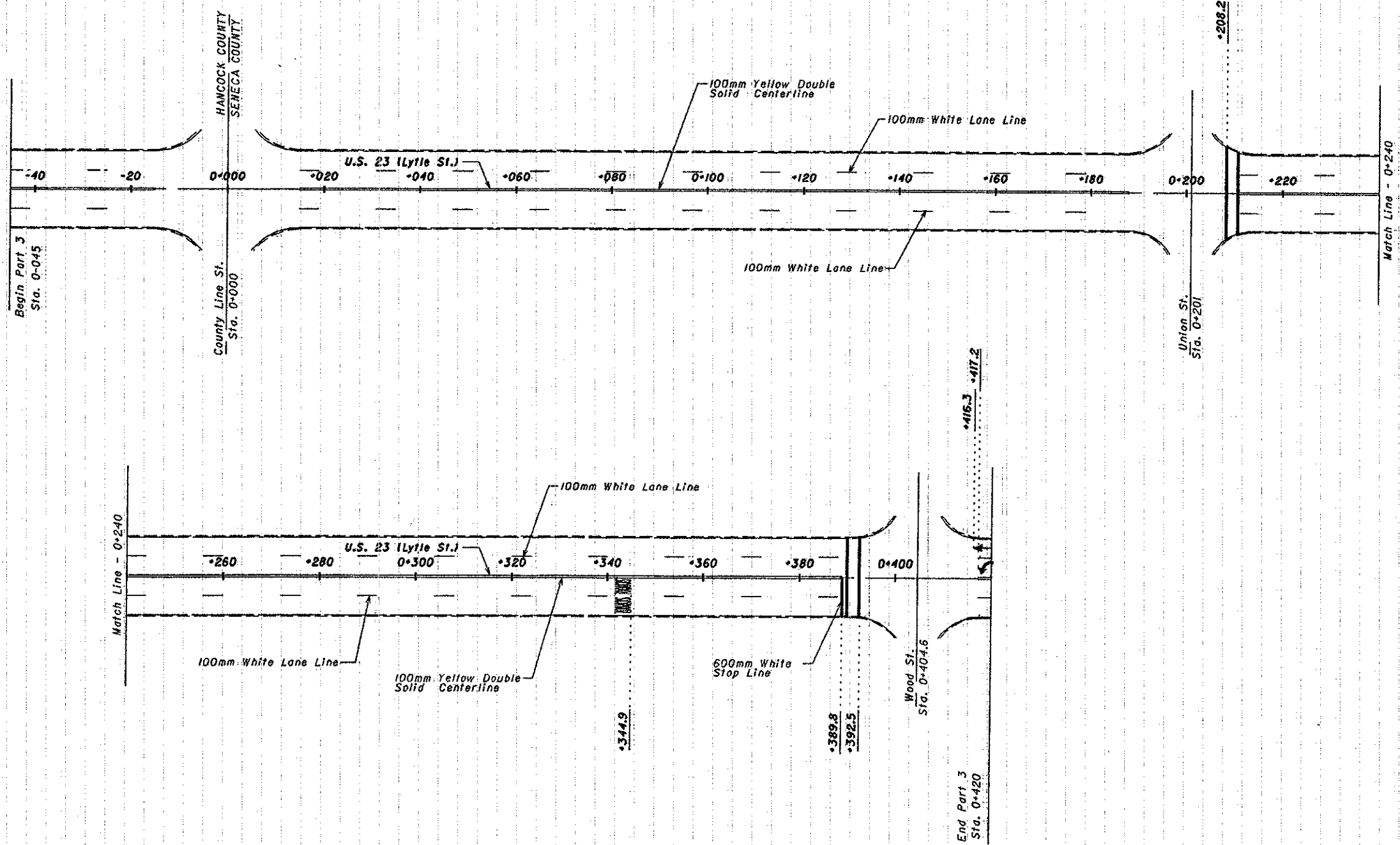
PAVEMENT MARKING - PART 2

SEN-23-(18.070)(20.284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108

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PAVEMENT MARKINGS PART 3



DESIGNED BY
JEH

CHECKED BY
ALS

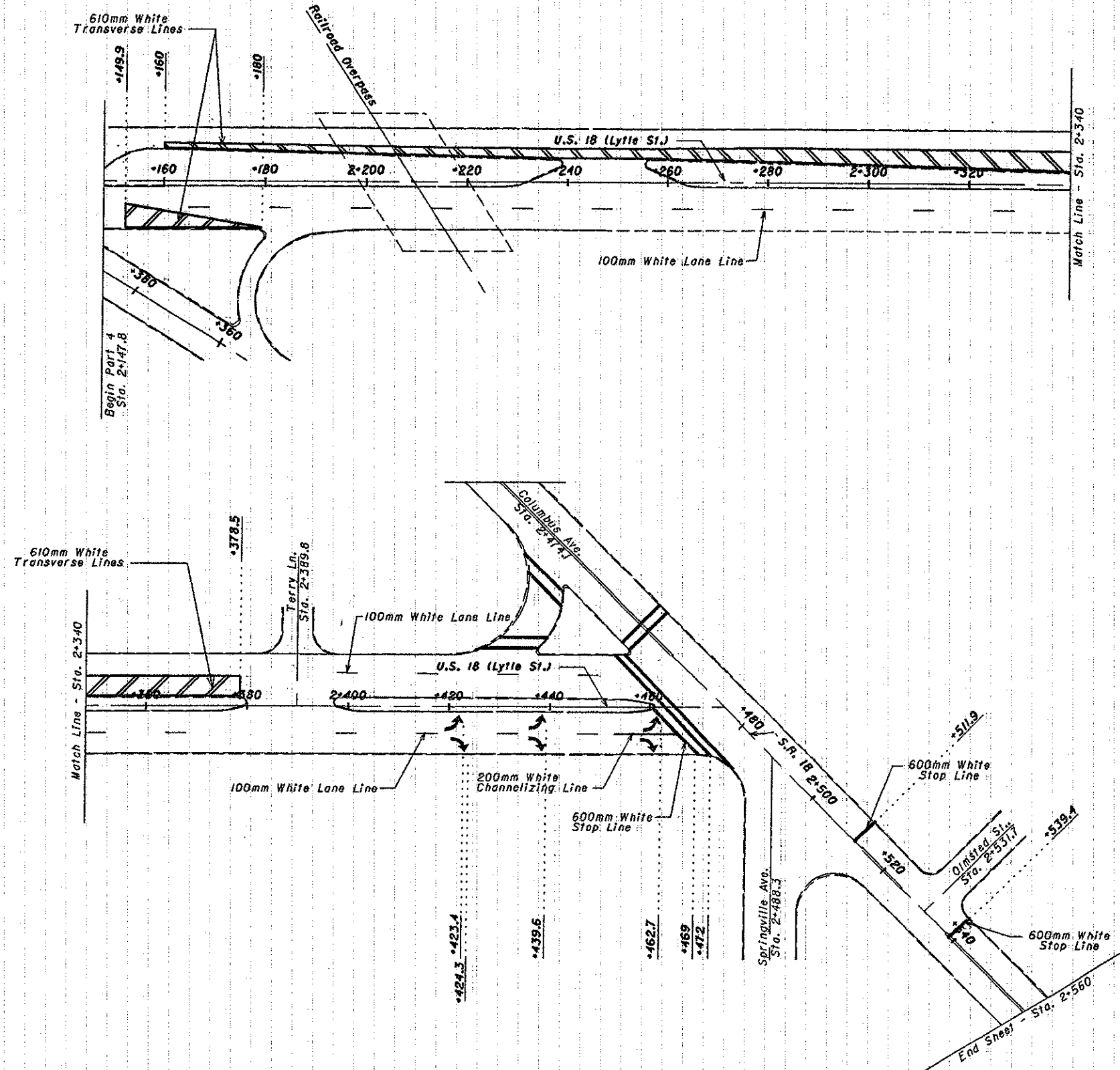
PLAN NO.

PAVEMENT MARKINGS - PART 3

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PAVEMENT MARKING PART 4



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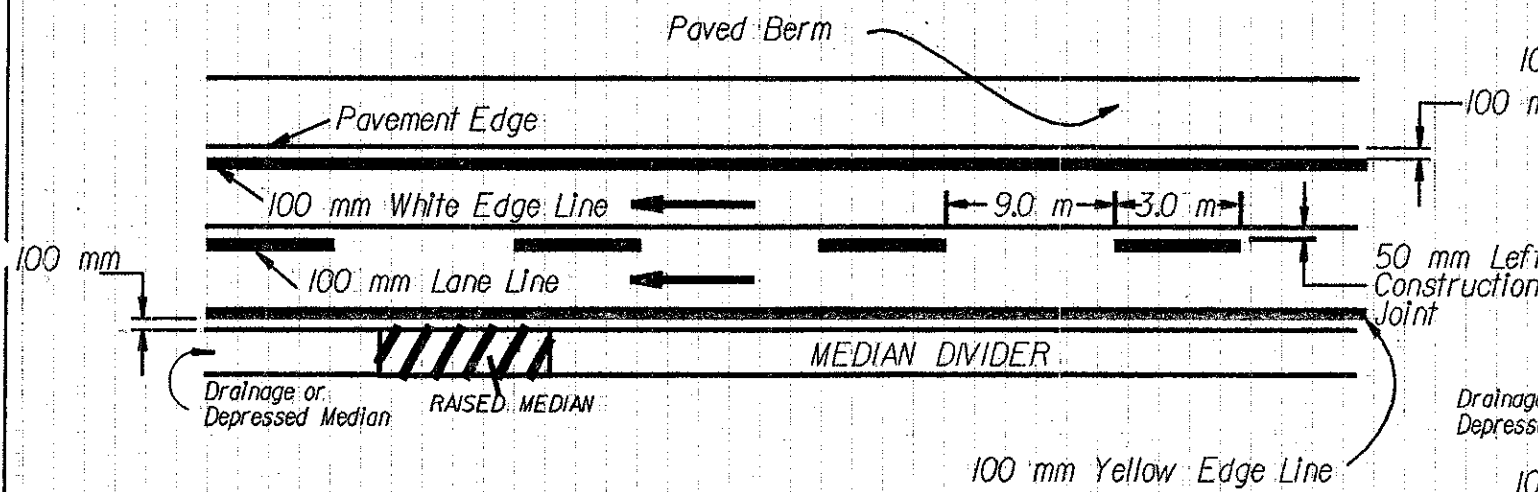
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PAVEMENT MARKING - PART 4

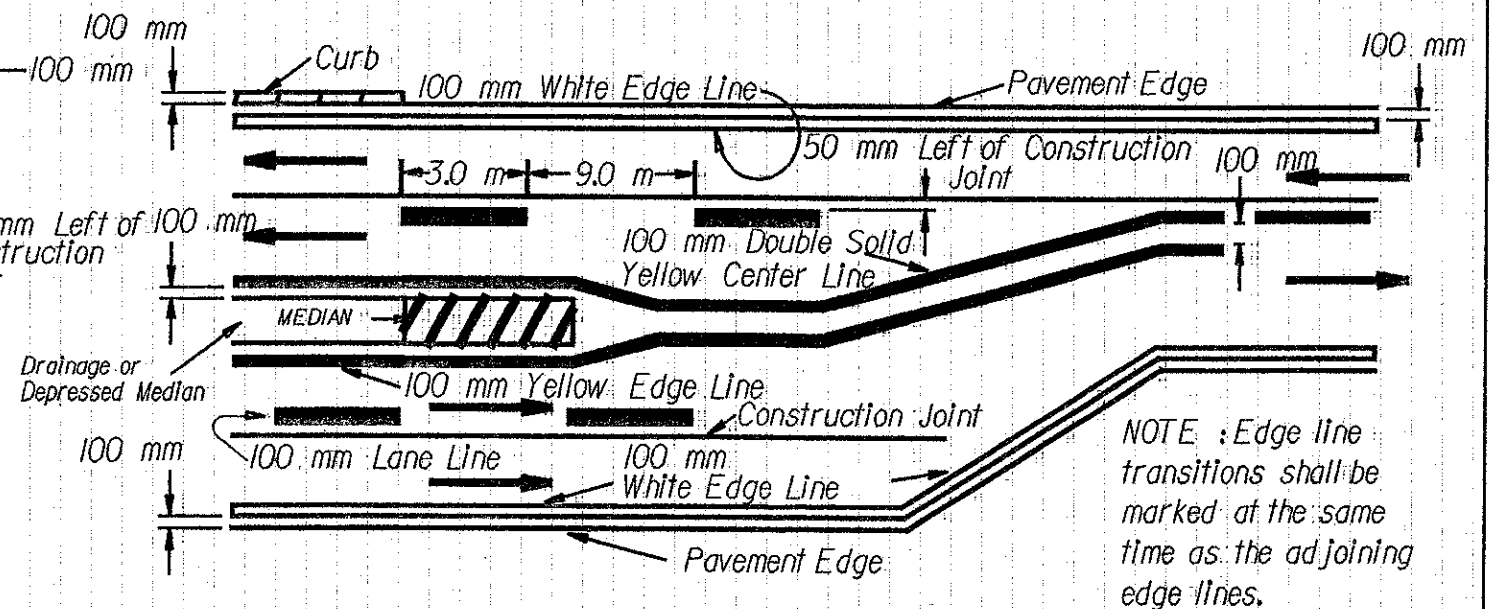
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SEN-12-0.000 SEN-18-2.108

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FREEWAY & EXPRESSWAY MAINLINE MARKINGS

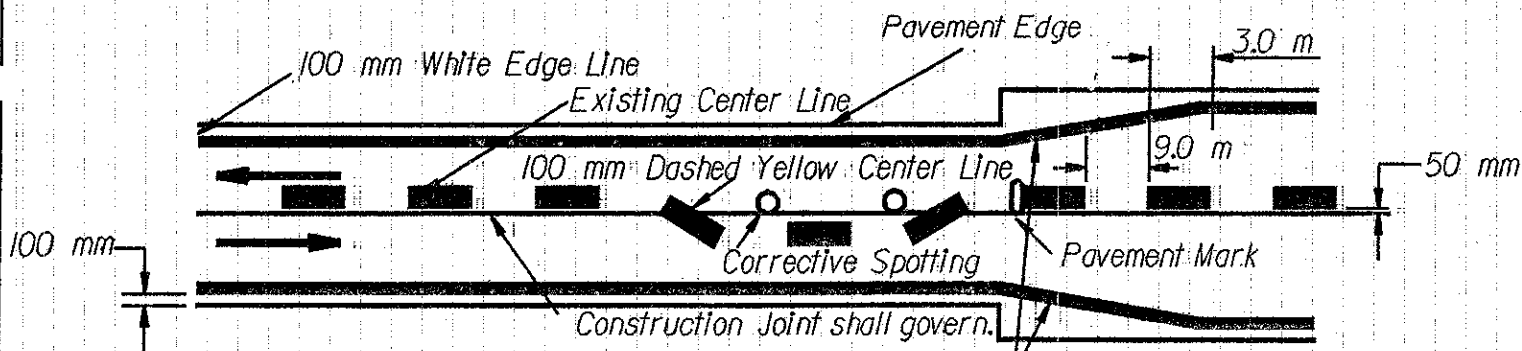


MULTILANE DIVIDED & UNDIVIDED HIGHWAY MARKINGS



NOTE: Edge line transitions shall be marked at the same time as the adjoining edge lines.

TWO LANE MARKINGS



Min. 30:1 Taper Both Sides
At all locations where pavement widths change by construction plans.

NOTES:

1. The distance from the pavement edge to the nearside edge of the edgeline may be increased with the approval of the engineer in order to maintain uniform lane width.
2. See TC-72.20 for entrance and exit ramp markings.
3. The cycle length for dashed lines shall be 12 meters plus or minus 150 mm. The minimum length of dash shall be sufficiently long to maintain a 3:1 ratio between length of gap and length of dash.

Ohio Department of Transportation

Pavement Marking
Typical Details

DATE
11-80
9-86
9-91

NOTE (PARTS 1, 2 & 4):

THE 446 ON THE SHOULDERS MAY BE PLACED AT THE SAME TIME THAT THE 446 MATERIAL IS PLACED ON THE ADJACENT LANES OF PAVEMENT. HOWEVER, THE SHOULDERS SHALL BE PLACED IN A SEPARATE OPERATION IF THE CONTRACTOR'S EQUIPMENT DOES NOT HAVE THE CAPACITY TO PLACE THE MATERIAL PARALLEL TO THE EXISTING SHOULDER SLOPE OR THE SLOPE OF THE PROPOSED BASE COURSE AS SHOWN ON THE TYPICAL SECTION.

ALIGNMENT AND PROFILE:

THE WORK PROPOSED BY THIS PROJECT IS FOR THE RESURFACING OF THE EXISTING PAVEMENT. THE ALIGNMENT OF THE EXISTING PAVEMENT WILL NOT BE CHANGED, AND THE PROFILE OF THE PROPOSED SURFACE WILL BE SIMILAR TO THAT OF THE EXISTING PAVEMENT EXCEPT THAT IT WILL BE RAISED AN AMOUNT EQUAL TO THE THICKNESS OF THE RESURFACING COURSE OR COURSES SPECIFIED IN THESE PLANS.

INTERMEDIATE COURSE, SPOT LEVELING AND PATCHING:

THIS MATERIAL SHALL BE PLACED IN A SEPARATE OPERATION WHERE AND AS DIRECTED BY THE ENGINEER.

PLACING ASPHALT CONCRETE ON APPROACH BRIDGES:

SPECIAL CARE SHALL BE TAKEN WHEN PLACING THE ASPHALT CONCRETE AT STRUCTURES TO ASSURE A SMOOTH TRANSITION TO THE BRIDGE DECK.

INTERSECTIONS: (PART 4)

ALL HARD SURFACE INTERSECTIONS SHALL BE FEATHERED INCLUDING RADII FOR A LENGTH OF 4.57m, UNLESS OTHERWISE DIRECTED.

CURB NOTE:

FEATHER TO ALL CURB IN A MANNER SO AS TO PERPETUATE EXISTING DRAINAGE.

HAZARDOUS AND REGULATED MATERIALS:

THE CONTRACTOR IS HEREBY GIVEN NOTICE THAT IF HE REVEALS, SAMPLES, TESTS, REMOVES OR DETERMINES IN ANY WAY THAT EXISTING SOILS OR EXCAVATED MATERIAL CONTAINING TRACE AMOUNTS OF SENSITIVE ELEMENTS, BUT DO NOT MEET OR EXCEED GOVERNMENT ESTABLISHED LIMITS OF HAZARDOUS OR REGULATED MATERIAL, THEN THE MATERIAL SHALL BE REMOVED AND DISPOSED OF IN WHATEVER MANNER HE CHOOSES AND IS WITHIN THE LIMITS OF THE LAW AND REGULATION, WITHOUT ADDITIONAL COST TO THE CONTRACT. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNDER EACH RESPECTIVE MATERIAL.

IF, AT ANY TIME, THE MATERIAL MEETS OR EXCEEDS THE ESTABLISHED LIMITS OF HAZARDOUS OR REGULATED MATERIAL, THE DEPARTMENT SHALL REIMBURSE THE CONTRACTOR ACCORDING TO THE PROCEDURES ESTABLISHED IN THE CONTRACT, FOR ONLY THAT MATERIAL WHICH MEETS THE DEFINITION OF HAZARDOUS OR REGULATED MATERIAL. IF THERE ARE NO PROCEDURES IN THE CONTRACT ADDRESSING HAZARDOUS OR REGULATED MATERIAL, THEN THE CONTRACTOR SHALL PROCEED AS NECESSARY TO PROPERLY DISPOSE OF THE HAZARDOUS OR REGULATED MATERIAL AND ALL ADDITIONAL COSTS SHALL BE REIMBURSED ACCORDING TO SECTION 109.04 OF THE CONSTRUCTION AND MATERIALS SPECIFICATION BOOK.

RAISED PAVEMENT MARKER NOTES (PART 4):**MATERIALS SUPPLIED BY THE DEPARTMENT:**

ALL MATERIALS ARE TO BE CONTRACTOR FURNISHED, EXCEPT THAT THE DEPARTMENT SHALL SUPPLY TO THE CONTRACTOR RPM MATERIALS IN THE QUANTITIES SHOWN HEREIN. PAY ITEMS FOR DEPARTMENT SUPPLIED MATERIALS SHALL BE INDICATED AS "INSTALLATION ONLY". THE QUANTITY AND TYPE OF DEPARTMENT SUPPLIED MATERIALS ARE SHOWN ELSEWHERE IN THE PLAN.

THE CONTRACTOR WILL BE INFORMED AT THE PRE-CONSTRUCTION CONFERENCE OF THE LOCATION IN COLUMBUS OF THE DEPARTMENT SUPPLIED MATERIALS. WHEN SPECIFIED, ADDITIONAL RPM MATERIALS WILL BE STORED WITHIN THE DISTRICT FOR USE ON THIS PROJECT. THE CONTRACTOR SHALL PICK UP DEPARTMENT SUPPLIED RPM MATERIALS AT THE SPECIFIED LOCATION (S) FOR TRANSPORT TO THE WORK SITE OR TO THE CONTRACTOR'S STORAGE FACILITY. AN AUTHORIZATION FOR PICK UP FORM WILL BE FURNISHED BY THE DISTRICT CONSTRUCTION ENGINEER TO THE CONTRACTOR AT THE PRE-CONSTRUCTION CONFERENCE. THE CONTRACTOR SHALL NOTIFY THE DISTRICT AND/OR THE PARTIES LISTED ON THE AUTHORIZATION FORM (DEPENDENT ON THE STORAGE LOCATIONS OF THE MATERIALS) IN WRITING AT LEAST 5 CALENDAR DAYS PRIOR TO PICK UP OF DEPARTMENT SUPPLIED MATERIALS. HE SHALL STORE THEM WITHOUT DAMAGE OR CONTAMINATION WITH FOREIGN MATTER. A DEDUCTION IN THE AMOUNT OF THE ACTUAL COST TO THE DEPARTMENT SHALL BE MADE FOR MATERIALS DAMAGED BY THE CONTRACTOR OR FOR MATERIALS DAMAGED BY THE CONTRACTOR OR FOR CASTINGS RECEIVED BY THE CONTRACTOR WHICH WERE NOT INSTALLED AND WERE NOT RETURNED TO THE DEPARTMENT.

RAISED PAVEMENT MARKER INSTALLATION ONLY, AS PER PLAN:

IN ADDITION TO THE SPECIFICATIONS, THE FOLLOWING REQUIREMENTS ARE ADDED TO EACH OF THE ABOVE PAY ITEMS.

ALL CASTINGS SHALL BE PLACED THE SAME WORKING DAY THAT THE RPM SLOTS ARE CUT INTO THE PAVEMENT. THE ENGINEER MAY ALLOW RPM PLACEMENT FOR A RECENTLY RESURFACED ROADWAY TO BEGIN AS SOON AS THE PERMANENT PAVEMENT MARKING FOR THAT SECTION IS COMPLETED AND DRY.

RPM SHALL NOT BE INSTALLED WHEN THE AMBIENT AIR TEMPERATURE AND THE PAVEMENT SURFACE TEMPERATURE ARE LESS THAN 4°C (40°F). BOTH PARTS A AND B OF THE RPM CASTING EPOXY SHALL BE HEATED TO 38°C (100°F) ± (-1)2°C (10°F) DURING INSTALLATION BETWEEN 4°C (40°F) AND 10°C (50°F). RPMs INSTALLED WHEN TEMPERATURES ARE BELOW 10°C (50°F) SHALL BE PROTECTED FROM TRAFFIC A MINIMUM OF 60 MINUTES.

RPM INSTALLATION ONLY, AS PER PLAN QUANTITIES CONSISTS OF A TWO-WAY PLOWABLE RPM EQUIPPED WITH AN ATTACHED PRISMATIC RETRO-REFLECTOR AND WITH AN ATTACHED PRISMATIC RETRO-REFLECTOR AND SUPPLIED TO THE CONTRACTOR BY THE DEPARTMENT. ALL THE ABOVE SHALL BE PAID FOR UNDER ITEM 621, RAISED PAVEMENT MARKER, INSTALLATION ONLY, AS PER PLAN PER UNIT SPECIFIED.

GENERAL NOTES
SHEET (2 OF 2)

ITEM 255 - FULL DEPTH PAVEMENT SAWING (PARTS 1, 2 & 4)

THE FOLLOWING ESTIMATED QUANTITIES OF TRANSVERSE PAVEMENT SAWING HAVE BEEN ADDED TO THE GENERAL SUMMARY TO ENABLE THE CONTRACTOR TO UTILIZE THE LIFT OUT METHOD AS PER ITEM 255, FULL DEPTH RIGID PAVEMENT REMOVAL AND RIGID REPLACEMENT, SECTION 255.03. THIS ITEM SHALL BE AS DIRECTED BY THE ENGINEER BASED ON EXISTING PAVEMENT DETERIORATION.

- PART 1 - 56 METERS
- PART 2 - 1 METER
- PART 4 - 6 METERS.

ITEM 255, FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS FS.

THIS TYPE OF CONCRETE HAS BEEN SET UP IN AREAS WHERE DETOURS ARE REQUIRED TO PERFORM THE NECESSARY JOINT WORK. THIS IS TO PROVIDE A MINIMUM TIME OF CLOSURE TO THE TRAVELING PUBLIC.

COORDINATION BETWEEN CONTRACTORS:

A SIGNAL PROJECT HAS BEEN SCHEDULED FOR CONSTRUCTION DURING THE SAME TIME PERIOD AS THIS PROJECT MAKING COORDINATION BETWEEN CONTRACTORS NECESSARY. THE INTENDED SEQUENCE OF THE TWO PROJECTS WILL BE TO HAVE THE LOOPS FROM THE SIGNAL PROJECT INSTALLED PRIOR TO THE PLACEMENT OF THE SURFACE COURSE OF THIS PROJECT.

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PLAN NO.

GENERAL NOTES

SEN-23-(18.070)(20.284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108

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PART 1: (JOINT REPAIR)

PHASE 1 - (EAST/WEST PORTION - LYTLE ST.) (STA.18+414 TO STA.19+128)

TRAFFIC SHALL BE MAINTAINED WITH A MINIMUM OF ONE LANE IN EACH DIRECTION. LANE CLOSURES SHALL BE PERMITTED FOR MINIMUM PERIODS OF TIME NECESSARY FOR FULL DEPTH PAVEMENT SAWING, REPLACEMENT OF THE CONCRETE AND PLACEMENT OF ITEM 446, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG64-22.

PHASE 2 - (NORTH/SOUTH PORTION - COUNTY LINE RD.) (STA.20+284.2 TO STA.21+466.7)

TWO - WAY TRAFFIC SHALL BE MAINTAINED ON THE TWO OUTSIDE LANES WITH A MINIMUM OF 3 METERS FOR EACH LANE. DURING THIS TIME, FULL DEPTH PAVEMENT SAWING, REPLACEMENT OF THE CONCRETE AND PLACEMENT OF ITEM 446, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG64-22 SHALL BE PERFORMED ON THE TWO INSIDE LANES. SEE DETAIL "A" SHEET NO. 48.

PHASE 3 - (NORTH/SOUTH PORTION - COUNTY LINE RD.) (STA.20+284.2 TO STA.21+466.7)

THE OUTSIDE, NORTHBOUND LANE SHALL BE CLOSED WITH TWO - WAY TRAFFIC MAINTAINED ON THE REMAINDER OF THE ROAD. DURING THIS TIME, FULL DEPTH PAVEMENT SAWING, REPLACEMENT OF THE CONCRETE AND PLACEMENT OF ITEM 446, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG64-22 SHALL BE PERFORMED ON THE OUTSIDE, NORTHBOUND LANE. SEE DETAIL "B" SHEET NO. 48.

PHASE 4 - (NORTH/SOUTH PORTION - COUNTY LINE RD.) (STA.20+284.2 TO STA.21+466.7)

THE OUTSIDE, SOUTHBOUND LANE SHALL BE CLOSED WITH TWO - WAY TRAFFIC MAINTAINED ON THE REMAINDER OF THE ROAD. DURING THIS TIME, FULL DEPTH PAVEMENT SAWING, REPLACEMENT OF THE CONCRETE AND PLACEMENT OF ITEM 446, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG64-22 SHALL BE PERFORMED ON THE OUTSIDE, SOUTHBOUND LANE. SEE DETAIL "B" SHEET NO. 48.

PHASE 5 - (NORTH/SOUTH PORTION - @ BEGINNING OF PROJECT TO LYTLE ST.) (STA.18+070 TO STA.18+428)

A DETOUR SHALL BE ESTABLISHED FOR THE DURATION OF THE FULL DEPTH PAVEMENT SAWING, REPLACEMENT OF THE CONCRETE, PLACEMENT OF ITEM 446, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG64-22 AND PLANING AND PROTECTION OF COMPLETED ASPHALT COURSES. A SINGLE DETOUR TO COMPLETE ALL OF THE ABOVE DESCRIBED WORK SHALL BE BETWEEN 8:00PM ON FRIDAY AND 5:00AM ON MONDAY.

PART 2: (JOINT REPAIR)

PHASE 1 - (COUNTY LINE RD.) (STA.0+000 TO STA.0+480)

TWO - WAY TRAFFIC SHALL BE MAINTAINED ON THE TWO OUTSIDE LANES WITH A MINIMUM OF 3 METERS FOR EACH LANE. DURING THIS TIME, FULL DEPTH PAVEMENT SAWING, REPLACEMENT OF THE CONCRETE AND PLACEMENT OF ITEM 446, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG64-22 SHALL BE PERFORMED ON THE TWO INSIDE LANES. SEE DETAIL "A" SHEET NO. 48.

PHASE 2 - (NORTH/SOUTH PORTION - COUNTY LINE RD.) (STA.0+000 TO STA.0+480)

THE OUTSIDE, NORTHBOUND LANE SHALL BE CLOSED WITH TWO - WAY TRAFFIC MAINTAINED ON THE REMAINDER OF THE ROAD. DURING THIS TIME, FULL DEPTH PAVEMENT SAWING, REPLACEMENT OF THE CONCRETE AND PLACEMENT OF ITEM 446, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG64-22 SHALL BE PERFORMED ON THE OUTSIDE, NORTHBOUND LANE. SEE DETAIL "B" SHEET NO. 48.

PHASE 3 - (NORTH/SOUTH PORTION - COUNTY LINE RD.) (STA.0+000 TO STA.0+480)

THE OUTSIDE, SOUTHBOUND LANE SHALL BE CLOSED WITH TWO - WAY TRAFFIC MAINTAINED ON THE REMAINDER OF THE ROAD. DURING THIS TIME, FULL DEPTH PAVEMENT SAWING, REPLACEMENT OF THE CONCRETE AND PLACEMENT OF ITEM 446, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG64-22 SHALL BE PERFORMED ON THE OUTSIDE, SOUTHBOUND LANE. SEE DETAIL "B" SHEET NO. 48.

PHASE 4 - (NORTH/SOUTH PORTION - @ SR 199 INTERSECTION & NORTH OF INTERSECTION) (STA.0+480 TO STA.0+653)

A DETOUR SHALL BE ESTABLISHED FOR THE DURATION OF THE FULL DEPTH PAVEMENT SAWING, REPLACEMENT OF THE CONCRETE, PLACEMENT OF ITEM 446, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG64-22 AND PLANING AND PROTECTION OF COMPLETED ASPHALT COURSES. A SINGLE DETOUR TO COMPLETE ALL OF THE ABOVE DESCRIBED WORK SHALL BE BETWEEN 8:00PM ON FRIDAY AND 5:00AM ON MONDAY.

PART 3: (JOINT REPAIR)

PHASE 1 - LYTLE ST. (STA.0+045 TO STA.0+420)

TRAFFIC SHALL BE MAINTAINED WITH A MINIMUM OF ONE LANE IN EACH DIRECTION. LANE CLOSURES SHALL BE PERMITTED FOR MINIMUM PERIODS OF TIME NECESSARY FOR FULL DEPTH PAVEMENT SAWING, REPLACEMENT OF THE CONCRETE AND PLACEMENT OF ITEM 446, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG64-22.

PART 4: (JOINT REPAIR)

PHASE 1 - LYTLE ST. (STA.2+280 TO STA.2+462)

TRAFFIC SHALL BE MAINTAINED WITH A MINIMUM OF ONE LANE IN EACH DIRECTION. LANE CLOSURES SHALL BE PERMITTED FOR MINIMUM PERIODS OF TIME NECESSARY FOR FULL DEPTH PAVEMENT SAWING, REPLACEMENT OF THE CONCRETE AND PLACEMENT OF ITEM 446, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG64-22.

PHASE 2 - LYTLE ST. (STA.2+340 TO STA.2+280)

A DETOUR SHALL BE ESTABLISHED FOR THE DURATION OF THE FULL DEPTH PAVEMENT SAWING, REPLACEMENT OF THE CONCRETE, PLACEMENT OF ITEM 446, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG64-22 AND PLANING AND PROTECTION OF COMPLETED ASPHALT COURSES. A SINGLE DETOUR TO COMPLETE ALL OF THE ABOVE DESCRIBED WORK SHALL BE BETWEEN 8:00PM ON FRIDAY AND 5:00AM ON MONDAY.

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PLAN NO.

MAINTENANCE OF TRAFFIC GENERAL NOTES

SEN-23-(18,070)(20,284)
W00-23-0,000
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PARTS 1,2,3 & 4:(BITUMINOUS PAVEMENT PLANING)

THIS ITEM IS INTENDED TO REMOVE ALL EXISTING ASPHALT CONCRETE PAVEMENT ON THE OUTSIDE LANES AND SCARIFY THE EXISTING CONCRETE PAVEMENT TO A MINIMUM OF 6mm IN DEPTH. THE DEPTH OF BITUMINOUS PLANING ON THE INSIDE LANES MAY NEED TO BE ADJUSTED ACCORDINGLY. THIS WORK SHALL BE AS DIRECTED BY THE ENGINEER TO MAINTAIN ADEQUATE CROSS SLOPE.

THE CONTRACTOR SHALL ARRANGE HIS OPERATIONS SO THAT TRAFFIC IS RETURNED TO AN AREA WHEN THE PLANING IS COMPLETE. ALL REQUIRED TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED PRIOR TO OPENING THE AREA TO TRAFFIC. NO PLANED SURFACE SHALL REMAIN OPEN TO TRAFFIC MORE THAN (3) THREE DAYS BEFORE BEING COVERED WITH AN ASPHALT COURSE. IF THIS IS NOT DONE, LIQUIDATED DAMAGES WILL BE LEVIED AS PER SECTION 108.07 OF THE ODOT CONSTRUCTION AND MATERIALS SPECIFICATIONS BOOK. THIS NOTE APPLIES TO ALL AREAS EXCEPT THOSE DESIGNATED ABOVE TO BE WITHIN A DETOUR ROUTE.

PARTS 1,2,3 & 4:(RESURFACING)

TRAFFIC SHALL BE MAINTAINED WITH A MINIMUM OF ONE LANE IN EACH DIRECTION. LANE CLOSURES SHALL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES. THIS NOTE APPLIES TO ALL AREAS EXCEPT THOSE DESIGNATED ABOVE TO BE WITHIN A DETOUR ROUTE.

ALTERNATE METHODS:

IF THE CONTRACTOR SO ELECTS, HE MAY SUBMIT ALTERNATE METHODS FOR MAINTENANCE OF TRAFFIC PROVIDED THE INTENT OF THE ABOVE PROVISIONS ARE FOLLOWED AND NO ADDITIONAL INCONVENIENCE TO THE TRAVELING PUBLIC RESULTS FROM THESE CHANGES. NO ALTERNATE PLAN SHALL BE PLACED INTO EFFECT UNTIL APPROVAL HAS BEEN GRANTED, IN WRITING, BY THE DIRECTOR OF TRANSPORTATION.

ITEM 614 - PAVEMENT MARKINGS REMOVED:

THE EXISTING PAVEMENT MARKINGS AND/OR THE TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER TO PROVIDE CLARITY FOR THE TRAFFIC CONTROL AS SET FORTH IN THESE PLANS. PAYMENT FOR THE ABOVE DESCRIBED WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC.

ESTABLISHING DETOURS:

THE CITY OF FOSTORIA SHALL ERECT AND MAINTAIN DETOURS THAT ARE REQUIRED FOR THIS PROJECT. THE CONTRACTOR SHALL NOTIFY THE SAFETY SERVICE DIRECTOR OF THE CITY OF FOSTORIA AND THE PROJECT ENGINEER AT LEAST 14 CALENDAR DAYS PRIOR TO HIS ANTICIPATED DATE OF CLOSURE IN ORDER TO ESTABLISH THE DETOUR AND INFORM THE PUBLIC. THESE CLOSURES SHALL TAKE PLACE ON WEEKENDS BETWEEN 8:00PM ON FRIDAY AND 5:00AM ON MONDAY.

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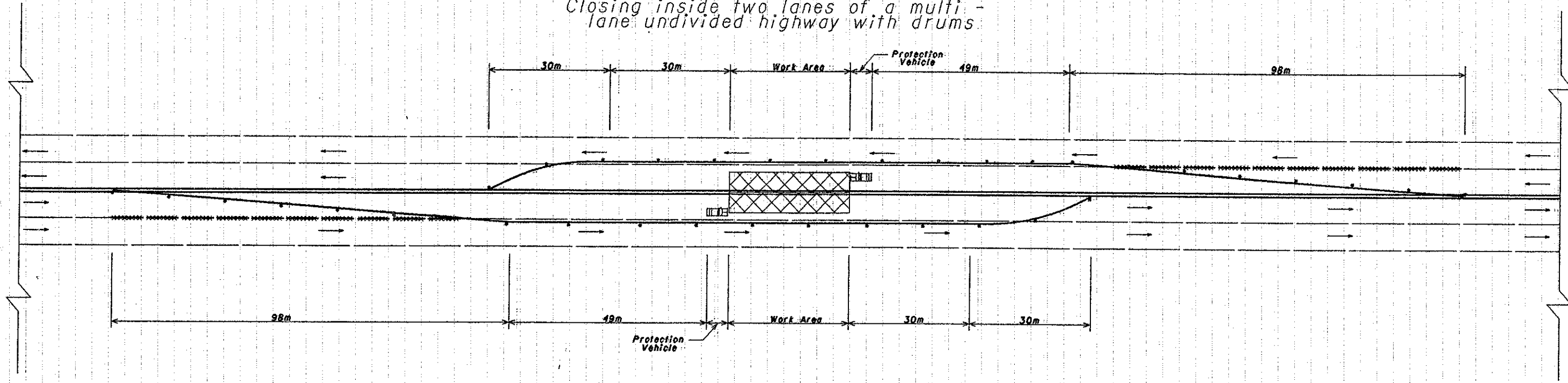
PLAN NO.

MAINTENANCE OF TRAFFIC GENERAL NOTES

SEN-23-(18,070X20-284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.10847
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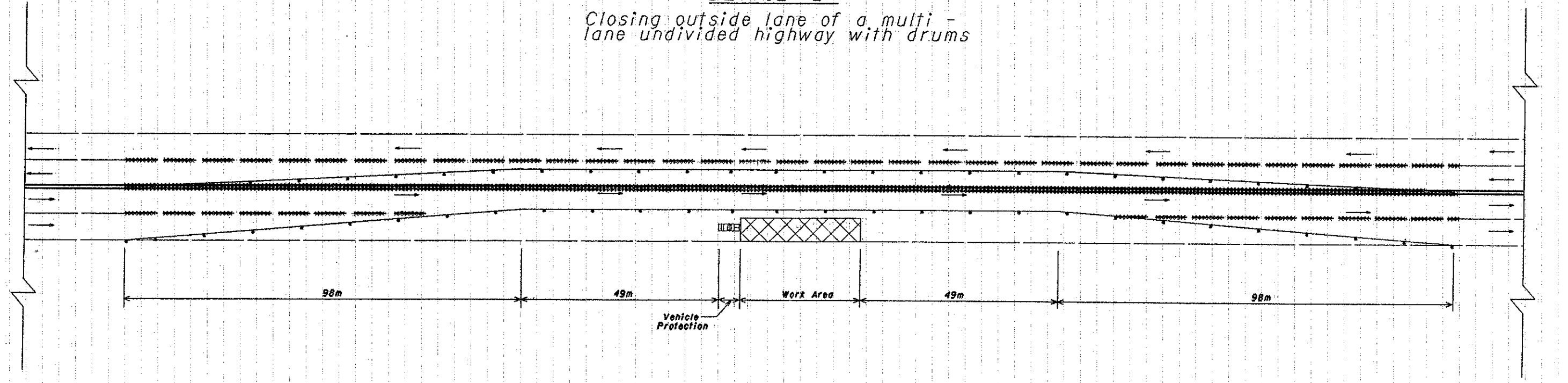
DETAIL "A"

Closing inside two lanes of a multi-lane undivided highway with drums



DETAIL "B"

Closing outside lane of a multi-lane undivided highway with drums



Note: Detail only shows temporary pavement marking layout and drum locations. See MT-95.32 for advance warning signs and other details.

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PART 1	PART 2	PART 3	PART 4			I T E M	I T E M T E X T	GRAND TOTAL	UNIT	DESCRIPTION
			CITY	RURAL	TOTAL					
										ROADWAY
				308	308	202	23500	308	SQ.METER	WEARING COURSE REMOVED
0.4						202	30800	0.4	SQ.METER	TRAFFIC ISLAND REMOVED
405	79	48	66		66	202	32000	598	METER	CURB REMOVED
				226	226	202	54100	226	EACH	RAISED PAVEMENT MARKER REMOVED FOR STORAGE
405	79	48	66		66	609	14000	598	METER	CURB, TYPE 2A
9.0						609	20000	9.0	METER	CURB, TYPE 3A
0.4						612	10000	0.4	SQ.METER	100 MM CONCRETE TRAFFIC ISLAND
										PAVEMENT
				41	41	253	02000	41	CU.METER	PAVEMENT REPAIR
31,170	8360	7440	7442		7442	254	01000	54,412	SQ.METER	PAVEMENT PLANING, BITUMINOUS
1736	349	431	134		134	255	10000	2650	SQ.METER	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS C
89	57		61		61	255	10100	207	SQ.METER	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS FS
1717	54	531	240		240	255	20000	2542	METER	FULL DEPTH PAVEMENT SAWING
			3493	12489	15982	407	10000	15982	LITER	TACK COAT
8622	2318	2009	1592		1592	407	13900	14541	LITER	TACK COAT, USING SS 924
1186	318	283	211		211	SPECIAL	44620000	1998	CU.METER	STONE MASTIC ASPHALT CONCRETE SURFACE COURSE (SBS POLYMER)
797	218	179	220		220	SPECIAL	44620004	1414	CU.METER	STONE MASTIC ASPHALT CONCRETE INTERMEDIATE COURSE (SBS POLYMER)
142	41	33	15		15	446	46050	231	CU.METER	ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG64-22
			573	2046	2619	446	47020	2619	CU.METER	ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, PG64-22
7	13		41	344	385	617	10100	405	CU.METER	COMPACTED AGGREGATE, TYPE A
										DRAINAGE
1			2		2	604	09000	3	EACH	CATCH BASIN ADJUSTED TO GRADE
32	11	3	7		7	604	20600	53	EACH	INLET ADJUSTED TO GRADE
8	1	3	10		10	604	34500	22	EACH	MANHOLE ADJUSTED TO GRADE
2			5		5	638	10800	7	EACH	VALVE BOX ADJUSTED TO GRADE

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PLAN NO.

GENERAL SUMMARY

SEN-23-118.070(20.284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108

PART 1	PART 2	PART 3	PART 4			I T E M	I T E M T E X T	GRAND TOTAL	UNIT	DESCRIPTION
			CITY	RURAL	TOTAL					
										TRAFFIC CONTROL
				248	248	621	00201	248	EACH	RAISED PAVEMENT MARKER, INSTALLATION ONLY, AS PER PLAN (SEE SHEET NO. 44)
0.111	0.199		2.929	11.888	14.817	642	00100	15.127	KILOMETER	EDGE LINE, TYPE I
3.554	0.883	0.840	0.016		0.016	642	00200	5.293	KILOMETER	LANE LINE, TYPE I
1.961	0.568	0.465	1.436	5.944	7.380	642	00300	10.374	KILOMETER	CENTER LINE, TYPE I
40	26	8	19		19	644	00500	93	METER	STOP LINE
373	54	64	69		69	644	00600	560	METER	CROSSWALK LINE
			128		128	644	00700	128	METER	TRANSVERSE LINE
6		2				644	01100	8	EACH	SCHOOL SYMBOL MARKING, 1800 MM
8		2	6		6	644	01300	16	EACH	LANE ARROW
										MAINTENANCE OF TRAFFIC
LUMP	LUMP	LUMP	LUMP	LUMP	LUMP	614	11000	LUMP	LUMP	MAINTAINING TRAFFIC
22	10	8	10	26	36	614	12460	76	EACH	WORK ZONE MARKING SIGN
0.662	2.649	2.520	0.048		0.048	614	20400	15.879	KILOMETER	TEMPORARY LANE LINE, CLASS II
5.883	1.704	1.395	4.308	17.832	22.140	614	21400	31.122	KILOMETER	TEMPORARY CENTER LINE, CLASS II
LUMP	LUMP	LUMP	LUMP	LUMP	LUMP	624	10000	LUMP	LUMP	MOBILIZATION

PLAN NO.

GENERAL SUMMARY

SEN-23-(18.070)(20.284)
W00-23-0.000
SEN-12-0.000 SEN-18-2.108