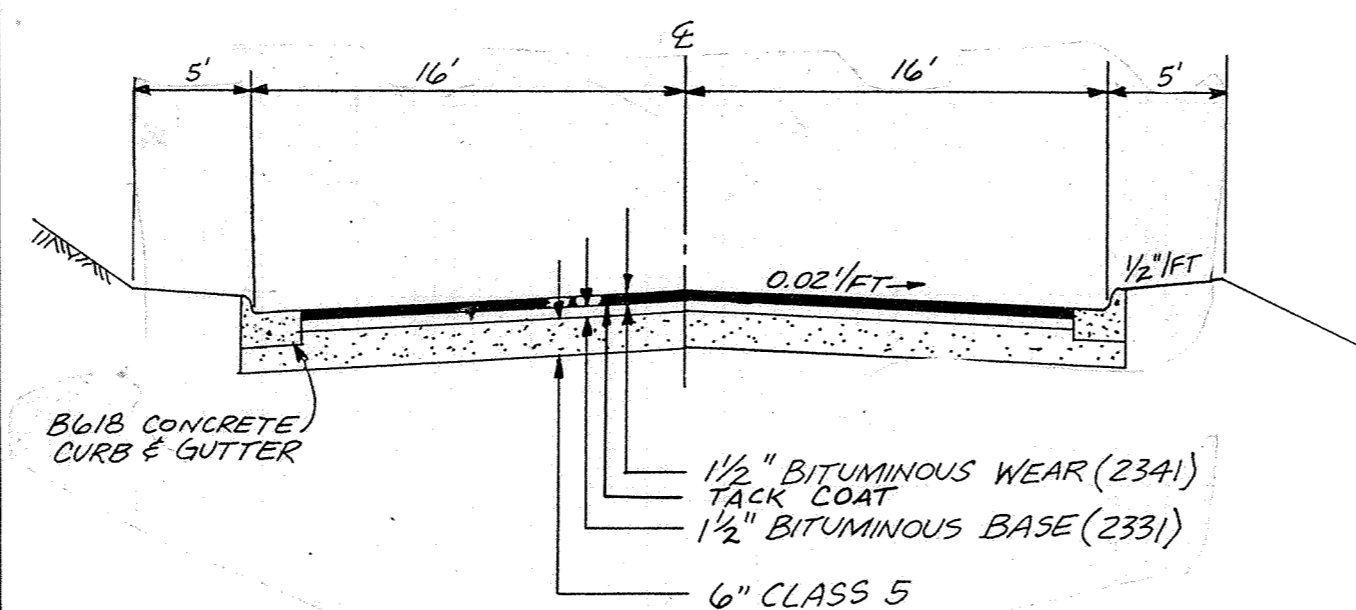
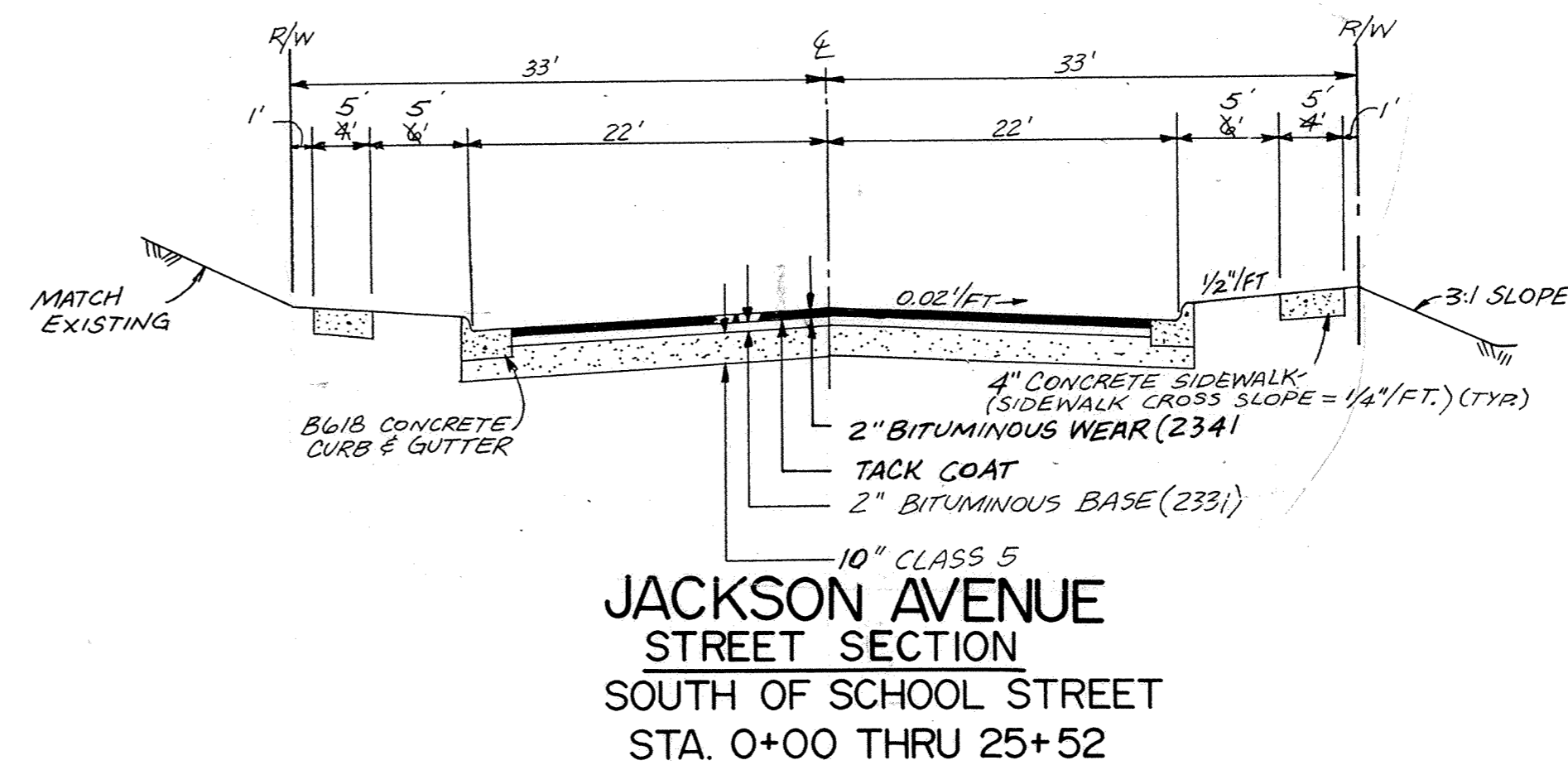


STATEMENT OF ESTIMATED QUANTITIES				
SPEC. REF.	ITEM	UNIT	QUANTITIES	
			S.A.P.	OTHER
SCHEDULE 1.0 SANITARY SEWER				
SPEC.	8" PVC 0-8' DEEP	LF		25
SPEC.	8" PVC 8-10' DEEP	LF		40
SPEC.	8" PVC 10-12' DEEP	LF		383
SPEC.	8" PVC 12-14' DEEP	LF		47
SPEC.	12" PVC 8-10' DEEP	LF		928
SPEC.	12" PVC 10-12' DEEP	LF		553
SPEC.	12" PVC 12-14' DEEP	LF		1353
SPEC.	12" PVC 14-16' DEEP	LF		203
SPEC.	STD. MANHOLES	EA		8
SPEC.	MANHOLE EXTRA DEPTH	LF		29.8
SPEC.	CONNECT EX. MANHOLE	EA		7
SPEC.	12" X 6" WYE	EA		6
SPEC.	6" SERVICE PIPE	LF		200
SPEC.	RECONNECT EXIST. SERVICE	EA		20
SPEC.	GRANULAR FOUNDATION	TN		300
SCHEDULE 2.0 STORM SEWER				
2503.511	12" RCP CLASS III	LF	88	
2503.511	15" RCP CLASS III	LF	1074	
2503.511	18" RCP CLASS III	LF	1338	
2503.511	21" RCP CLASS III	LF	40	
2506.508	MANHOLES	EA	13	
2506.509	CATCH BASINS	EA	7	
SPEC.	60" DIA. MANHOLE	EA	1	
SPEC.	CONNECT EX. MANHOLE	EA	1	
SPEC.	CONNECT EX. CATCH BASIN	EA	1	
2501.515	18" FLARED END SECTION	EA	2	
SPEC.	RIP RAP	SY	18	
SCHEDULE 3.0 WATERMAIN				
SPEC.	6" DIP	LF		175
SPEC.	10" DIP	LF		15
SPEC.	16" DIP	LF		1728
SPEC.	24" DIP	LF		1057
SPEC.	8" PVC (WATER TOWER DRAIN)	LS		1
SPEC.	10" VALVE	EA		1
SPEC.	16" VALVE	EA		1
SPEC.	24" VALVE	EA		1
SPEC.	HYDRANT W/ VALVE	EA		4
SPEC.	HYDRANT W/O VALVE	EA		3
SPEC.	FITTINGS	LBS	16000	
SPEC.	10"X10"X10"TEE W.T. W/10" VALVE	EA		1
SPEC.	6"X6"X6"TEE W.T. W/6" VALVE	EA		2
SPEC.	10"X10"X6"TEE W.T. W/6" VALVE	EA		1
SPEC.	SALVAGE EXISTING HYDRANT	EA		3
SPEC.	RECON. EXIST. WATER SERVICE	EA		19
SPEC.	2" SERVICE CONNECTIONS	EA		6
SPEC.	2" SERVICE PIPE	LF		150
SCHEDULE 4.0 STREET CONSTRUCTION				
2105.521	GRANULAR BORROW (CV)	CY	0	10,000
2104.505	REMOVE EXIST. BIT. MATL.	SY	17560	1800
2104.505	REMOVE EXIST. CONC. PVMT.	SY	11350	0
2101.502	CLEARING AND GRUBBING	AC	1.4	0
2105.501	COMMON EXCAVATION (EV)	CY	9000	0
SPEC.	FINE BRADING	Rd.Sta.	40.3	14.4
2331.501	CONCRETE C & G (B618)	LF	6880	0
2331.501	CLASS 5 AGGREGATE	TN	9900	1100
2331.514	BITUM. SURFACING 2331	EA	2350	300
2341.508	BITUM. SURFACING 2341	TN	3745	505
2331.504	BIT. MATL. FOR MIX 2331	TN	119.5	13.5
2341.504	BIT. MATL. FOR MIX 2341	TN	225	30
2357.502	BIT. TACK COAT	GAL	1700	0
SPEC.	CONC. DRIVEWAY APRON	SY	160	0
SPEC.	CONC. DRIVEWAY RESTORATION	SY	50	0
SPEC.	BIT. DRIVEWAY RESTORATION	SY	50	0
SPEC.	ADJUST EXISTING MANHOLES	EA	16	3
2521.501	4" CONCRETE SIDEWALK	SF	20000	0
SPEC.	CONC. PEDESTRIAN RAMPS	EA	18	0
2575.505	SODDING	SY	7000	0
2575.501	SEEDING	AC	2.5	0
SPEC.	STRIPING	LS	1	0
SPEC.	SIGNING	LS	1	0
SPEC.	TREES	EA	63	0
SCHEDULE 5.0 U.S. HWY. 169 CROSSOVER				
2211.501	CLASS 5 AGGREGATE	TN	400	
2331.514	BITUM. SURFACING 2331	TN	130	
2341.508	BITUM. SURFACING 2341	TN	130	
2331.504	BIT. MATL. FOR MIX 2331	TN	7	
2341.504	BIT. MATL. FOR MIX 2341	TN	9	
SPEC.	FINE BRADING	Rd.Sta.	6	
2503.511	18" RCP CLASS III	LF	80	
2501.515	18" FLARED END SECTION	EA	2	
SPEC.	RIP RAP	SY	18	
SPEC.	STRIPING	LS	1	
SPEC.	SIGNING	LS	1	
SPEC.	EMBANKMENT CONSTRUCTION	LS	1	
SPEC.	REMOVE EXIST. BIT. CROSSOVER	LS	1	

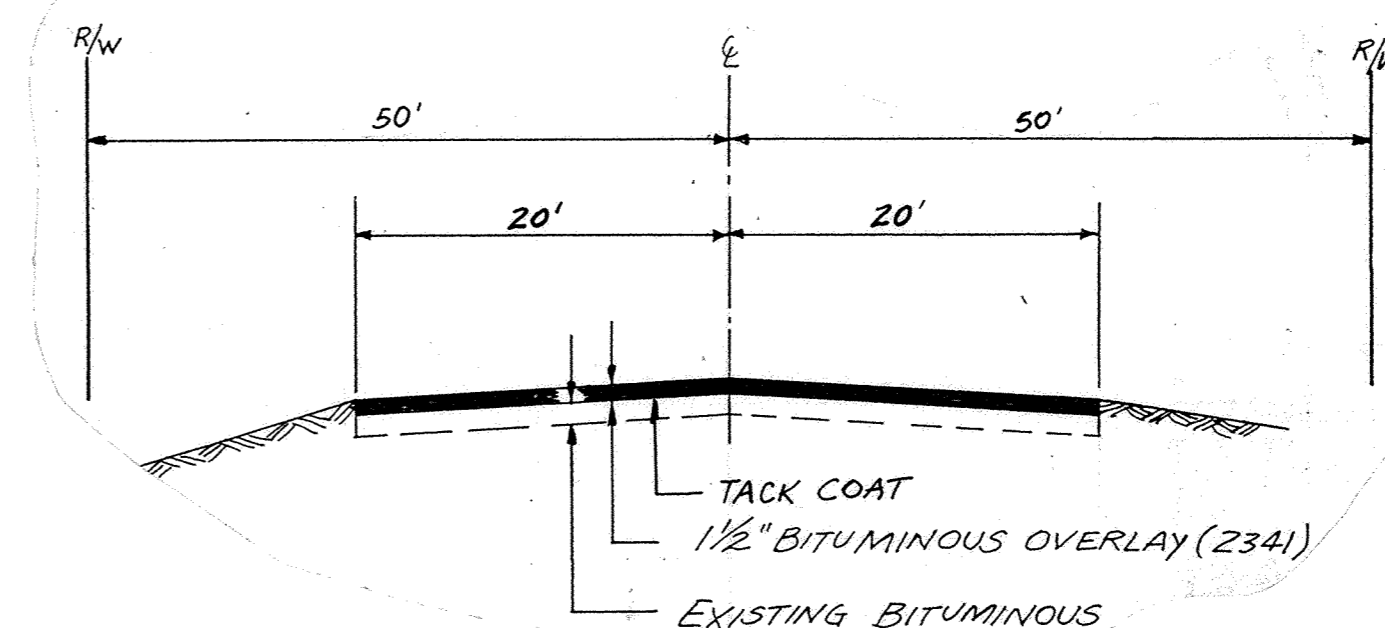
NOTE: STREET RESTORATION FOR 3 RD, 4 TH, 5 TH, 6 TH & 8 TH STREETS AND IRVING AVENUE SHOWN ON SHEET B.



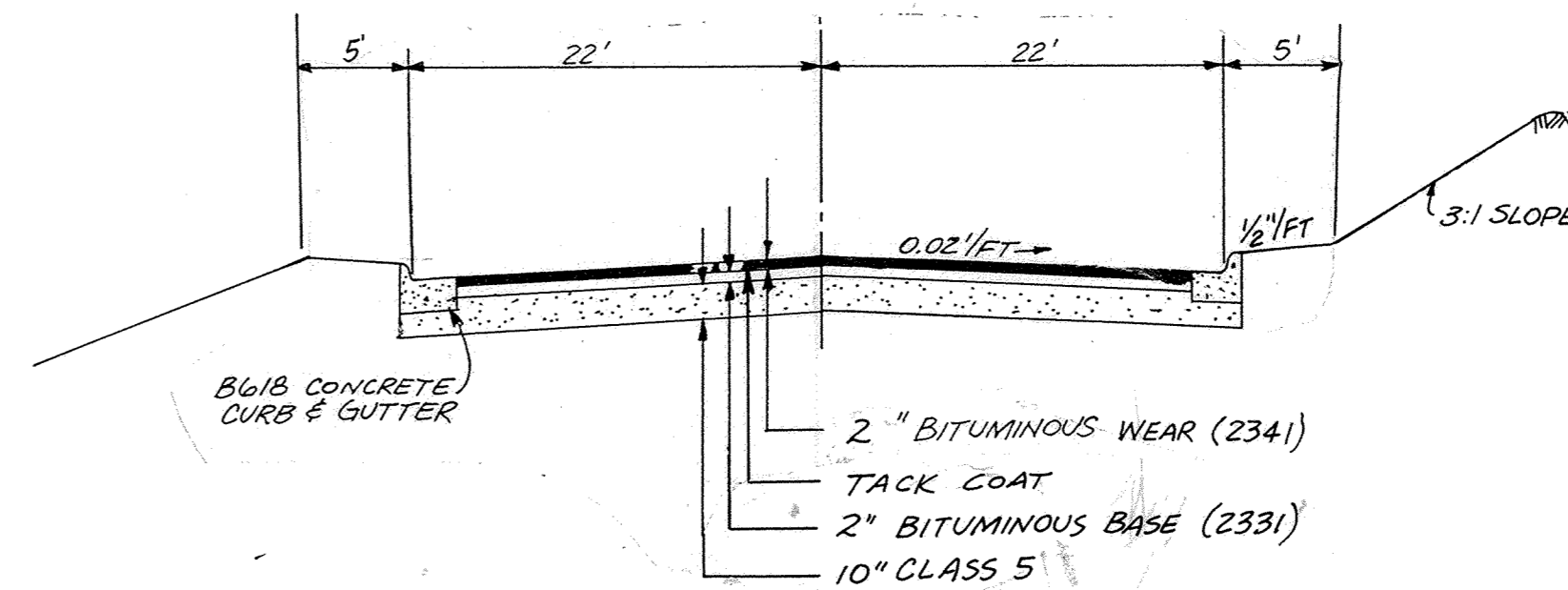
193RD AVENUE STREET SECTION



JACKSON AVENUE STREET SECTION SOUTH OF SCHOOL STREET STA. 0+00 THRU 25+52



JACKSON AVENUE BITUMINOUS OVERLAY NORTH OF SCHOOL STREET STA 0+00 THRU 35+00



JACKSON AVENUE STREET SECTION NORTH OF SCHOOL STREET STA. 35+00 THRU 40+40

RECORD PLAN NOV 1988

	CONSULTING ENGINEERS		CITY OF ELK RIVER																	
	Maier Stewart & Associates Inc.		UTILITY AND STREET CONSTRUCTION																	
1959 SLOAN PLACE	(612) 774-6021	ST. PAUL, MINNESOTA 55117	SAP 204-104-01																	
<table border="1"> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DESIGNED</th> <th>CHECKED</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>			DATE	DESCRIPTION	DESIGNED	CHECKED					ESTIMATED QUANTITIES & STREET SECTIONS									
DATE	DESCRIPTION	DESIGNED	CHECKED																	
<table border="1"> <tr> <th>DATE</th> <th>SCALE</th> <th>VERT.</th> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>			DATE	SCALE	VERT.				<table border="1"> <tr> <td>DATE</td> <td>SHEET</td> <td>OF</td> <td>SHEETS</td> <td>PROJECT NO.</td> </tr> <tr> <td>SEPT 1987</td> <td>2</td> <td>28</td> <td></td> <td>230-032</td> </tr> </table>		DATE	SHEET	OF	SHEETS	PROJECT NO.	SEPT 1987	2	28		230-032
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DRAWING NUMBER JACKS 87