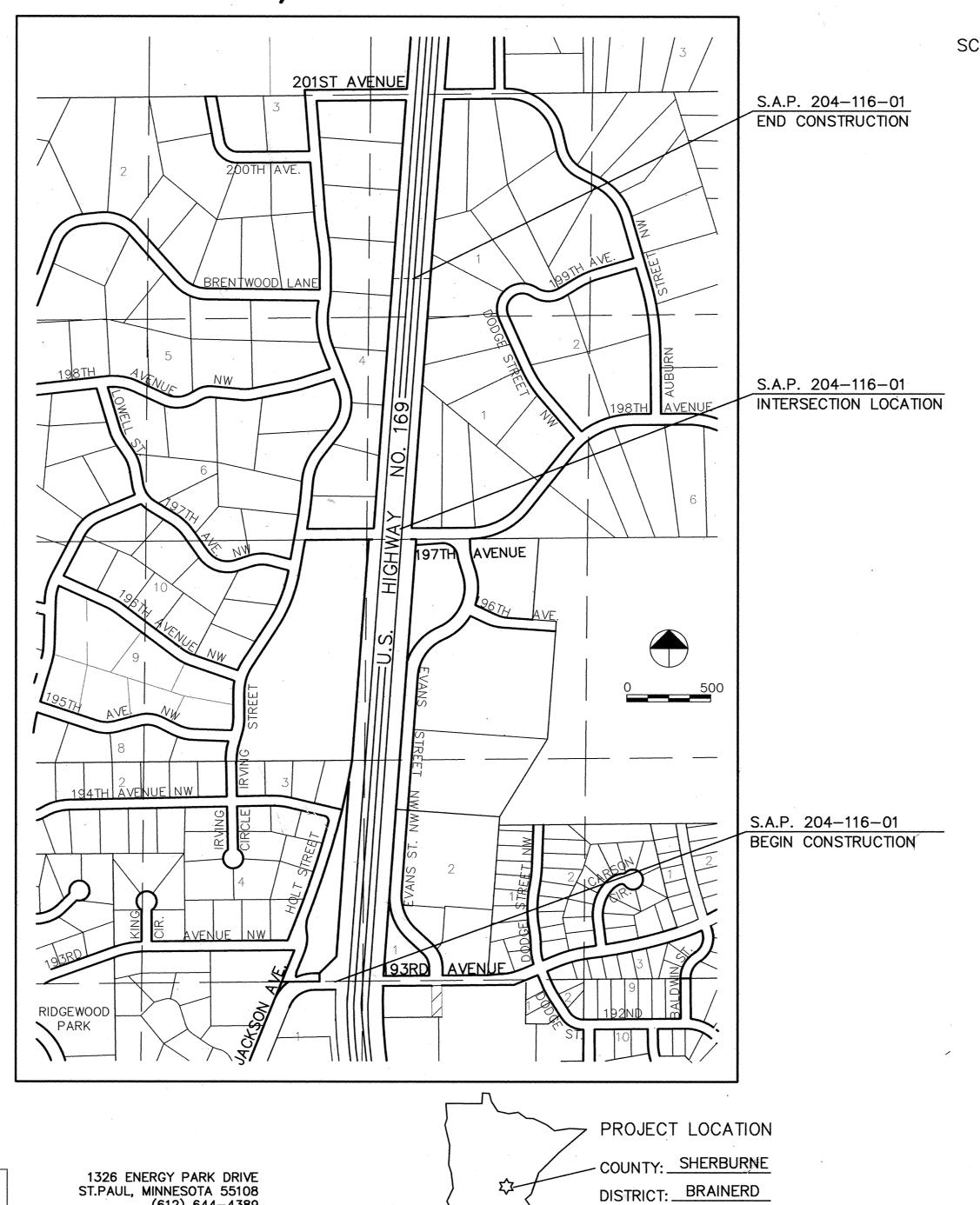
CITY OF ELK RIVER

SECTIONS 22 & 27 T33N R26W TRAFFIC CONTROL SIGNAL SYSTEM INSTALLATION

197TH AVENUE/US HIGHWAY NO. 169

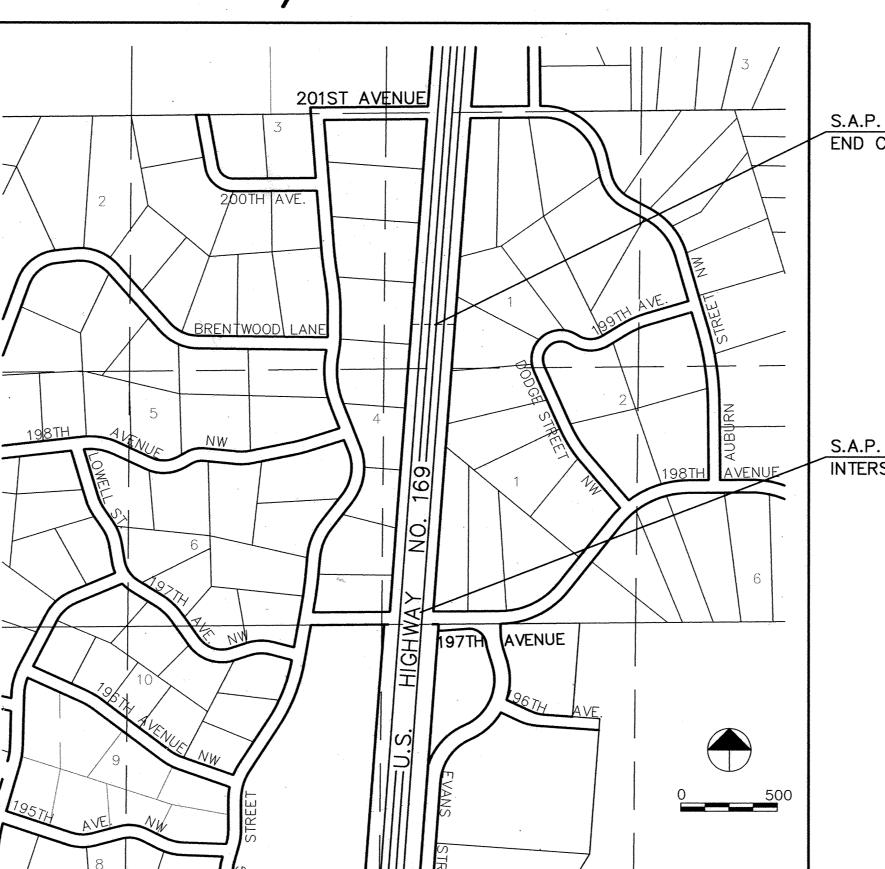


1326 ENERGY PARK DRIVE ST.PAUL, MINNESOTA 55108 (612) 644-4389

> AGREEMENT NO. 76123 CITY OF ELK RIVER S.A.P. 204-116-01

> > BRAINERD DISTRICT 3

S.P. 7106-59 (T.H.169=18)



PRESENT ADT (1995) _____ PROJ. ADT (2015) ____ FUNCTIONAL CLASSIFICATION HIGH DENSITY COLLECTOR NO. OF TRAFFIC LANES ____ NO. OF PARKING LANES ____

PAVEMENT DESIGN: _____ TON SOIL FACTOR _____ PROJ. HCADT ____

R-VALUE N/A N18 FACTOR N/A DESIGN SPEED 30 MPH @ 197TH AVENUE, AND 55 MPH @ T.H. 169

2564.531 F & I SIGN PANELS TYPE D-SIGNALS SQ. FT.
0564.603 24" SOLID LINE WHITE-POLY PREFORMED LIN. FT.
0564.604 ZEBRA CROSSWALK-WHITE POLY PREFORMED SQ. FT.
2565.511 FULL T ACT T CONTROL SIGNAL SYSTEM SIG. SYS.
0565.601 EMERGENCY VEHICLE PREEMPTION SYSTEM LUMP SUM
0565.601 TRAFFIC CONTROL INTERCONNECTION LUMP SUM

DESIGN SPEED NOT ACHIEVED AT: STA. ______ TO STA. _____ (MPH _____)

STOPPING SITE DISTANCE BASED ON:

3.5' HEIGHT OF EYE 0.5' HEIGHT OF OBJECT

SHOULDER WIDTH: N/A

PLAN SYMBOLS

QUARTER LINE

SIXTEENTH LINE

RIGHT OF WAY

CENTER LINE

FENCE LINE

CULVERT

RIVER OR CREEK

LAKE OR POND

RETAINING WALL

UTILITIES SYMBOLS

SANITARY SEWER

STORM SEWER

WATERMAIN

GAS LINE

POWER LINE

CATCH BASIN

ITEM NO.

MANHOLE

VALVE

BRUSH OR SHRUBS

TELEPHONE POLE

LIGHT POLE

SOIL BORING

TOTAL EST. FINAL

QUANTITY QUANTITY

ESTIMATED QUANTITIES

THE 1988 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR CONSTRUCTION" TOGETHER WITH "SUPPLEMENTAL SPECIFICATIONS" DATED MAY 2, 1994, SHALL GOVERN.

S.A.P. 204-116-01

0.801 MILES

EXCEPTION LENGTH NET LENGTH 0.801 MILES

S.A.P. 204-116-01

BETWEEN <u>193RD AVE.</u> AND <u>201ST AVE.</u>

PLAN(MATCH LINES) SCALES: PLAN HORIZONTAL 1" = 20'HORIZONTAL 1" = 100"

BRIDGE LENGTH

INDEX OF SHEETS

- TITLE SHEET WITH VICINTY MAP
- DETAILS AND STANDARD PLATES
- EQUIPMENT PAD DETAILS
- SIGNAL SERVICE DETAILS
- FIELD WIRING DIAGRAM
- INTERCONNECT TO TH169 @ JACKSON/193RD AVENUE SIGNAL SYSTEM
- MAST ARM SIGN DETAILS
- 9 UTILITIES

TOTAL NUMBER OF PLAN SHEETS - 9

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

ENGR. Leorge	7. Stuempfig	
DATE 3/11/97	7 REG. NO. 21849	· · · · · · · · · · · · · · · · · · ·
RECOMMENDED FOR	R APPROVAL Terry Maure 3/12/19	97
RECOMMENDED FOR	R APPROVAL NAME AND ENGINEER 19	
RECOMMENDED FOR	R APPROVAL N A STATE AID PLANS & SPECIFICATIONS ENGINEER 19	•
	R APPROVAL Melhal L. Tarly 4/8 19	97
RECOMMENDED FOR	91 V 1 //	7
RECOMMENDED FOR	R APPROVAL Amp Wint ENGINEER 4-7 199	
RECOMMENDED FOR	R APPROVAL Mayanne 9, Killy Jonack 4-15 19 9	1
	EMENT APPROVAL S. Eldon Jobes 4-28 19 9 Ass7. DIRECTOR, LAND MANAGEMENT	
APPROVED	State DESIN ENGINEER 4-29-19 9	77

I HEREBY CERTIFY THAT THE FINAL FIELD REVISIONS, IF ANY, OF THIS PLAN WERE MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

	DAT	E	F	REG. NO	RECORD PLAN	
				·	DECEMBER 19	
SHEET _	1	OF _	9		S A P 204-116-01	