

171st Avenue, Ulysses Street, Highway 10 Median—1996

CITY OF ELK RIVER

SECTION 11 T32N R26W

GRADING, AGGREGATE BASE, BITUMINOUS, CONCRETE
CURB & GUTTER AND STORM SEWER

171ST AVENUE, ULYSSES STREET & TRUNK HIGHWAY 10 MEDIAN IMPROVEMENTS

S.A.P. 204-010-04 (TH 10)

BETWEEN 170TH AVE. AND 172ND AVE.

GROSS LENGTH	70	METERS	0.07	KILOMETERS
BRIDGE LENGTH	0	METERS	0	KILOMETERS
EXCEPTION LENGTH	0	METERS	0	KILOMETERS
NET LENGTH	70	METERS	0.07	KILOMETERS

S.A.P. 204-132-01 (171ST AVE.)

BETWEEN T.H. 10 AND B.N. RAILROAD

GROSS LENGTH	600	METERS	0.60	KILOMETERS
BRIDGE LENGTH	0	METERS	0	KILOMETERS
EXCEPTION LENGTH	0	METERS	0	KILOMETERS
NET LENGTH	600	METERS	0.60	KILOMETERS

SCALES: PLAN HORIZONTAL 1:250 PROFILE HORIZONTAL 1:250 VERTICAL 1:50 CROSS SECTIONS HORIZONTAL 1:100 VERTICAL 1:50

INDEX OF SHEETS

- 1 TITLE SHEET WITH VICINITY MAP
- 2-3 ESTIMATED QUANTITIES AND SCHEDULES
- 4 TYPICAL STREET SECTIONS AND SHEET INDEX MAP
- 5-8 171ST AVENUE PLAN AND PROFILE SHEETS
- 9-10 ULYSSES STREET PLAN AND PROFILE SHEETS
- 11 U.S. HIGHWAY NO. 10 PLAN AND PROFILE SHEET
- 12-18 171ST AVENUE CROSS SECTIONS
- 19-21 ULYSSES STREET CROSS SECTIONS
- 22-23 PERMANENT SIGNING AND STRIPING PLAN
- 24-25 CONSTRUCTION DETAIL SHEETS

TOTAL NUMBER OF PLAN SHEETS - 25

I HEREBY CERTIFY THAT PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Tony J. Maurer
DATE 7/23/96 REG. NO. 15316

RECOMMENDED FOR APPROVAL *Michael D. Tandy* 8/6 19 96
DISTRICT STATE AID ENGINEER

RECOMMENDED FOR APPROVAL _____ 19 _____

APPROVED *Robert D. Maxley* 8-19 19 96
DIRECTOR OF STATE AID

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.

DATE _____ REG. NO. _____

RECORD DRAWING
OCTOBER 1997

S.A.P. 204-010-04 (TH 10)
S.A.P. 204-132-01 (171ST)

SHEET 1 OF 25

PLAN SYMBOLS

SECTION LINE	---	TREES	
QUARTER LINE	----	BRUSH OR SHRUBS	
SIXTEENTH LINE	-----	HEDGE	
RIGHT OF WAY	=====	CONIFERS	
CENTER LINE	-----	SWAMP	
FENCE LINE	-x-x-	MAILBOX	OMB
RIVER OR CREEK		SIGN	*SIGN
LAKE OR POND			
CULVERT			
BRIDGE			
RETAINING WALL			

UTILITIES SYMBOLS

SANITARY SEWER		HYDRANT	
STORM SEWER		POWER OR TELEPHONE POLE	PP
WATERMAIN		LIGHT POLE	
GAS LINE		ANCHOR	
POWER LINE		SOIL BORING	
MANHOLE			
CATCH BASIN			
VALVE			

S.A.P. 204-132-01 (171ST)

PRESENT ADT (1996) _____ PROJ. ADT (2015) 10,000

FUNCTIONAL CLASSIFICATION HIGH DENSITY COLLECTOR

0+00 TO 0+600

NO. OF TRAFFIC LANES 4 NO. OF PARKING LANES 0

PAVEMENT DESIGN: 10 TON

SOIL FACTOR 50 PROJ. HCDT (2015) _____

OR
R-VALUE 50 N18 FACTOR 337.12

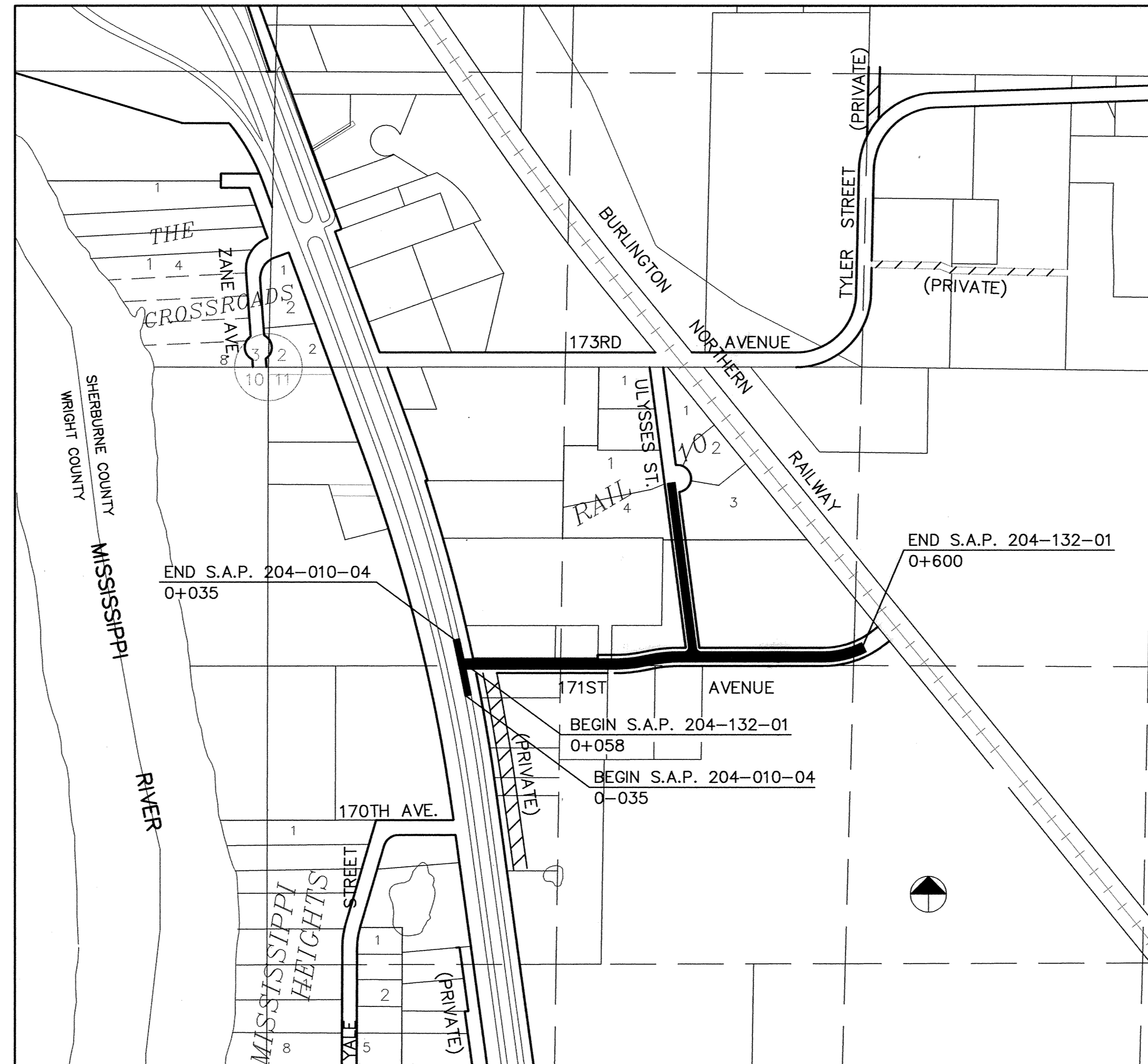
DESIGN SPEED 60 km/h

DESIGN SPEED NOT ACHIEVED AT:

STA. _____ TO STA. _____ (km/h _____)

STOPPING SITE DISTANCE BASED ON:

3.5' HEIGHT OF EYE
0.5' HEIGHT OF OBJECT



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



PROJECT LOCATION
COUNTY: SHERBURNE
DISTRICT: BRAINERD

AGREEMENT NO. _____
CITY OF ELK RIVER
STATE FUND
BRAINERD DISTRICT 3

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