

MINNESOTA DEPARTMENT OF TRANSPORTATION CITY OF ELK RIVER

MN. PROJ. NO. STP7100(271)

S.P. 204-111-04 (M.S.A.S. 111)

SECTIONS 2 & 1 T33N R26W

CONSTRUCTION PLAN FOR GRADING, AGGREGATE BASE, BITUMINOUS,
SANITARY SEWER, WATERMAIN, CULVERTS AND BIKEPATH

LOCATED ON 175TH AVENUE (M.S.A.S. 111)
FROM TYLER STREET TO FILMORE STREET

GROSS LENGTH	5169	FEET	0.979	MILES
BRIDGE LENGTH	0	FEET	0	MILES
EXCEPTION LENGTH	0	FEET	0	MILES
NET LENGTH	5169	FEET	0.979	MILES

SCALES:	PLAN	PROFILE	CROSS SECTIONS
	0 20	0 VERT. 5	0 10 0 VERT. 5

PLAN SYMBOLS

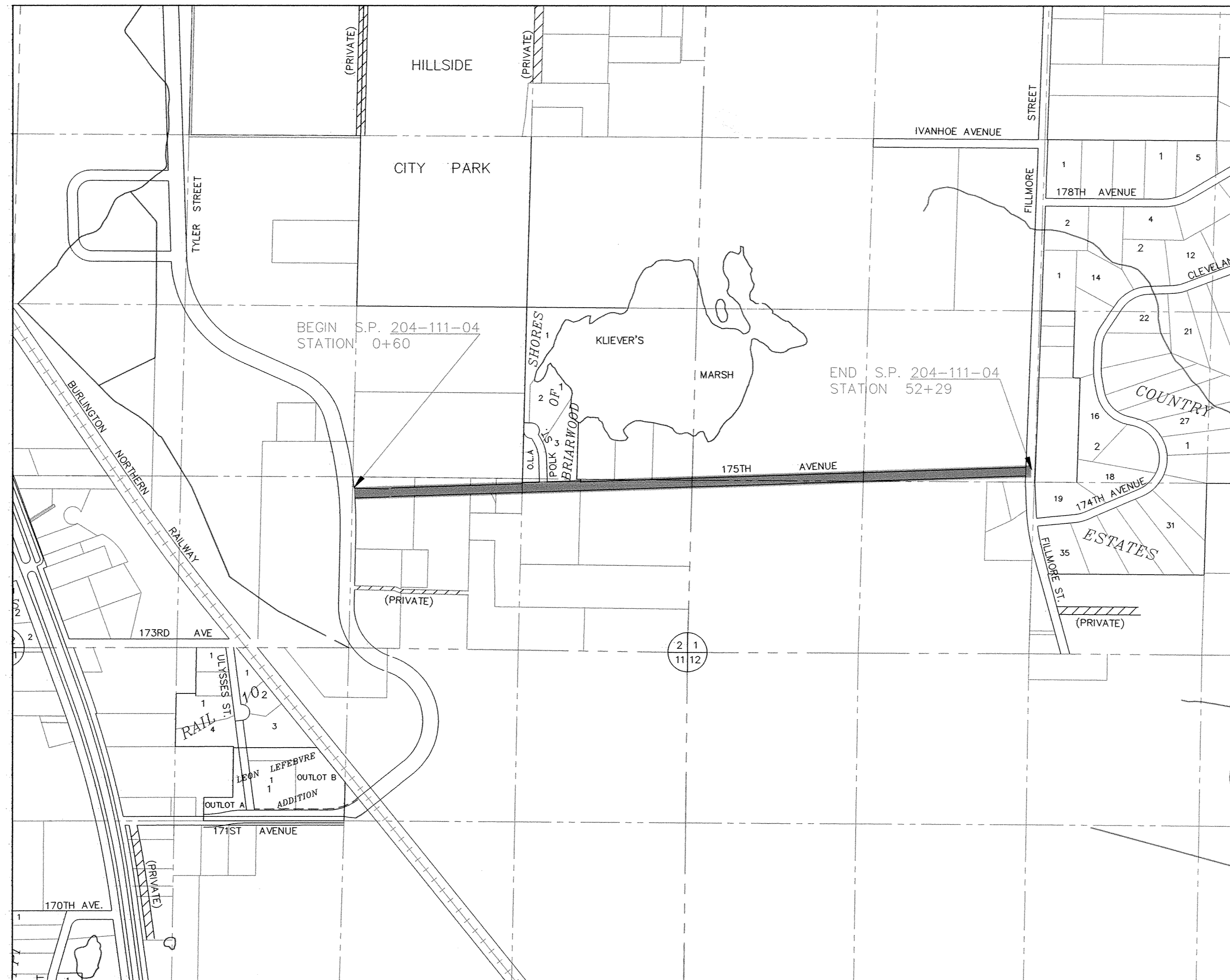
SECTION LINE	---	TREES	
QUARTER LINE	----	BRUSH OR SHRUBS	
SIXTEENTH LINE	-----	HEDGE	
EXIST. RIGHT OF WAY	-.-.-.-	CONIFERS	
PERMANENT EASEMENTS	----	SWAMP	
GRADING LIMITS	---	MAILBOX	
TEMPORARY EASEMENTS	----	SIGN	

CENTER LINE	----
FENCE LINE	-x-x-
RIVER OR CREEK	
LAKE OR POND	
CULVERT	
BRIDGE	
RETAINING WALL	

UTILITIES SYMBOLS

SANITARY SEWER		HYDRANT	
STORM SEWER		POWER OR TELEPHONE POLE	
WATERMAIN		LIGHT POLE	
GAS LINE		ANCHOR	
OVER HEAD UTILITIES		SOIL BORING	
ELECTRIC LINE		TELE BOX	
TELEPHONE LINE			
WETLAND			
MANHOLE			
CATCH BASIN			
VALVE			

PRESENT ADT (2001) 410 PROJ. ADT (2021) 3 000
 NO. OF TRAFFIC LANES 2
 SHOULDER WIDTH: 6 FT.
 PAVEMENT DESIGN: 10 TONS
 FUNCTIONAL CLASSIFICATION COLLECTOR
 SOIL FACTOR N/A PROJ. HCDT (2021) 48
 OR
 R-VALUE 50 ESALS 200 000
 DESIGN SPEED 45 mph
 DESIGN SPEED NOT ACHIEVED AT:
 STA. N/A TO STA. N/A
 STOPPING SIGHT DISTANCE BASED ON:
 3.5' HEIGHT OF EYE
 0.5' HEIGHT OF OBJECT



INDEX OF SHEETS

- 1 TITLE SHEET
- 2 LOCATION PLAN
- 3 TYPICAL SECTIONS
- 4-6 ESTIMATED QUANTITIES AND SCHEDULES
- 7 DETOUR PLAN
- 8-17 175TH AVENUE PLAN AND PROFILE
- 18-31 175TH AVENUE CROSS SECTIONS
- 32-35 TURF ESTABLISHMENT PLAN
- 36-38 SIGNING AND STRIPING
- 39-41 DETAILS

THIS PLAN CONTAINS 41 SHEETS

NOTE:

PURSUANT TO THE REQUIREMENTS OF M.S.216D.04, THE GOPHER STATE ONE-CALL NOTIFICATION CENTER WAS CONTACTED ON _____ AND THESE PLANS INCLUDE THE TYPE, SIZE AND GENERAL LOCATION OF THE UNDERGROUND FACILITIES AS REPORTED BY THE AFFECTED OPERATORS OF THOSE FACILITIES AS OF _____, THE DATE OF THE COMPLETION OF THIS FINAL DRAWING. THIS INFORMATION MAY NOT BE RELIED ON AS WARRANTING THE ACTUAL PRESENCE, CHARACTERISTICS, OR LOCATION OF THE UNDERGROUND FACILITIES AND DOES NOT RELIEVE ANY PERSON FROM COMPLYING WITH STATE NOTIFICATION AND LOCATION REQUIREMENTS PRIOR TO EXCAVATION.

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

SIGNATURE: John M. Anderson DATE 2/2/05
 PRINTED NAME: JOHN M. ANDERSON LIC. NO. 25889

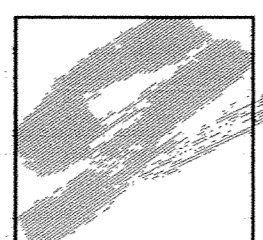
APPROVED _____ ELK RIVER, CITY ENGINEER DATE _____

DISTRICT STATE AID ENGINEER: REVIEWED _____ DATE _____
 FOR COMPLIANCE WITH STATE AID RULES/POLICY

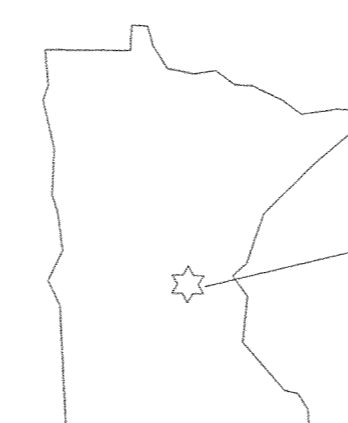
APPROVED FOR STATE AID FUNDING: STATE AID ENGINEER DATE _____



0 600



1326 ENERGY PARK DRIVE
 ST. PAUL, MINNESOTA 55108
 (651) 644-4389
Howard R. Green Company
 CONSULTING ENGINEERS



PROJECT LOCATION
 COUNTY: SHERBURNE
 DISTRICT: BRainerd

RECORD PLAN
JANUARY 2005

DRAWING NUMBER
 175AV.05
 1
 SARGO PRODUCTS • NEW URBAN MINNESOTA
 PREPARED BY PART NUMBER 6502
 POSITION HOLD BY PART NUMBER 6502
 SARGO PRODUCTS • NEW URBAN MINNESOTA
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