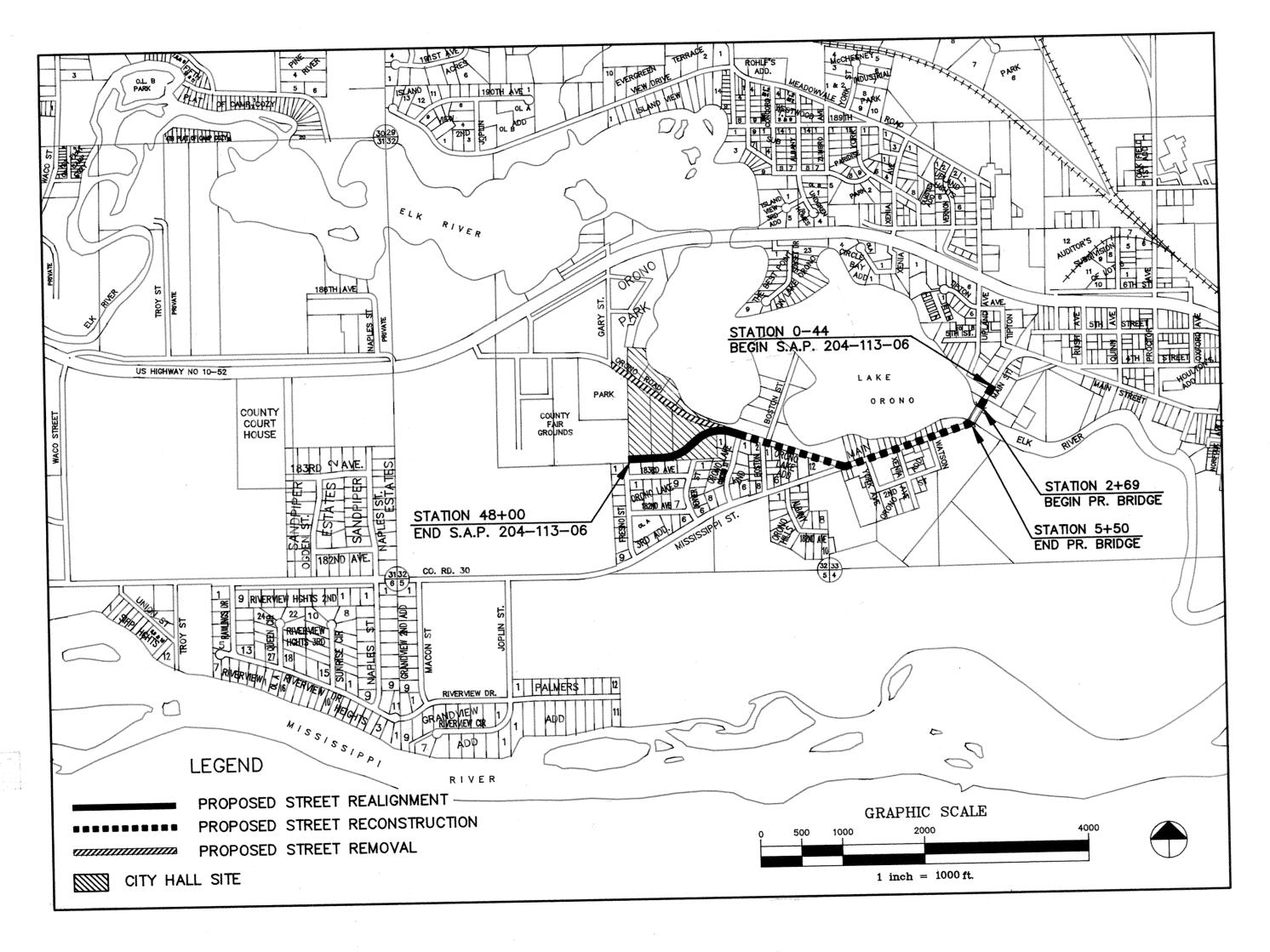
MAIN STREET/ORONO ROAD WESTERN AREA IMPROVEMENTS - PHASE 1



PROJECT LOCATION - COUNTY: SHERBURNE DISTRICT: BRAINERD

PREPARED BY:

DΙ	ΔΝ	SYMBOL	S	

CONIFERS SWAMP MAILBOX FENCE LINE RIVER OR CREEK LAKE OR POND CULVERT RETAINING WALL

UTILITIES SYMBOLS

SANITARY SEWER		HYDRANT	\diamond
STORM SEWER		POWER OR TELEPHONE POLE	ØPP
WATERMAIN		LIGHT POLE	\Diamond
GAS LINE	G G	ANCHOR	
POWER LINE	OHW	SOIL BORING	
SANITARY MANHOLE	left	SOIL BOILING	~
STORM MANHOLE (ST	ANDARD CASTING)	● MH	
STORM MANHOLE (IN	LET CASTING)	⊗ MH	
CATCH BASIN	© CB		
VALVE	0		

PRESENT ADT (1991) 4176 PROJ. ADT (2011) 7559 FUNCTIONAL CLASSIFICATION COLLECTOR HIGH DENSITY NO. OF TRAFFIC LANES 2 NO. OF PARKING LANES — SHOULDER WIDTH N/A
9 TON DESIGN SOIL FACTOR 75 PROJ. HCADT (2011) 156 OR R-VALUE N/A N18 FACTOR N/A
DESIGN SPEED 30 MPH DESIGN SPEED NOT ACHIEVED AT: STA. N/A TO STA. N/A MPH MPH MPH

STOPPING SITE DISTANCE BASED ON: 3.5' HEIGHT OF EYE 0.5' HEIGHT OF OBJECT

THE 1988 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR CONSTRUCTION" TOGETHER WITH "SUPPLEMENTAL SPECIFICATIONS" DATED JANUARY 2, 1991, SHALL GOVERN.

M.S.A.S. <u>S.A.F</u>	P. 204-1	113-06	
BETWEEN UPLAND AVE	NUE AND G	ARY STREET	
GROSS LENGTH 4844	FEET _	0.917	MILES
BRIDGE LENGTH 281	FEET	0.0532	MILES
EXCEPTION LENGTH) FEET _	0	MILES
NET LENGTH 4563		0.864	MILES
NET LENGTH - 4000			
	0 25	50 100	
SCALES: PLAN 1" = 5	O' L GRAPHI	C SCALE	
PROFILE		CROSS SECTION HORIZONTAL 1'	
HORIZONTAL 1		VERTICAL 1	. V
VEICHOAL			
INDEX OF SHEETS			
1 TITLE SHEET AND 2 ESTIMATED QUAN	S.A.P. MAP TITIES, STREET SE	CTIONS, AND NOTE	S
3 LOCATION MAP			
4-12 SANITARY SEWER	& WATERMAIN PL GRADING PLAN		
14 CITY HALL SITE U	JTILITIES & PARKI	NG LOT	
15 SANITARY LIFT S			
	SEWER PLAN &	PROFILES	
23-24 SIGNING & STRIP			
25-28 CROSS SECTIONS 29 SANITARY SEWER		ONSTRUCTION DETA	(ILS
30 WATERMAIN CON	STRUCTION DETAIL		
31 STREET CONSTRU 32 STORM SEWER C	JCTION DETAILS ONSTRUCTION DET	TAILS	
33 ORONO HEIGHTS	GRADING PLAN		
34-36 LIFT STATION &	STREET LIGHTING	ELECTRICAL PLANS	
I HEREBY CERTIFY THAT PLAN, SP	ECIFICATION, OR RE	PORT WAS PREPARED	вү ме
OR UNDER MY DIRECT SUPERVISION ENGINEER UNDER THE LAWS OF THE	N AND THAT I AM L	JOLI KEGISTENED TIN	DFESSIONAL
1/0	- 11	Z0389	3/19/92
	Kossel	REG.NO.	DATE
	O an		3/18/92
APPROVEDleur	Maure	CITY ENGINEER	DATE
DECOMMENDED FOR ADDROVAL	May R	Vieni	1/2/92
RECOMMENDED FOR APPROVAL_	Acr. DISTRICT	STATE AID ENGINEER	DATE
RECOMMENDED FOR APPROVAL_	Marth	S & SPEC. ENGINEER	4/13/92
	STATE PLAN	5 & SPEC. ENGINEER	
APPROVED	James C. C	STATE AID DIRECTOR	4//3/97 DATE
RIGHT-OF-WAY APPROVAL_	DIRECTOR, RIGHT-	OF-WAY OPERATIONS	DATE
RECOMMENDED FOR APPROVAL_			
KECOMMENDED TON ATTENDED		DISTRICT ENGINEER	DATE
RECOMMENDED FOR APPROVAL_			DATE
			The second secon
RECOMMENDED FOR APPROVAL	DIRECTOR, PRE-	-LETTING ENGINEERING	DATE
picture in the control of the contro			
RECOMMENDED FOR APPROVAL	DIRECTOR, OFFICE OF	TECHNICAL SUPPORT	DATE
APPROVED			
DATE	DEPU TECHNIC	ITY DIVISION DIRECTOR CAL SERVICES DIVISION	

RECORD PLAN JAN. 1993/ 36 S.A.P. 204

S.A.P. 204-113-06