

DESIGN DESIGNATION	SILVER LAKE ROAD 645' NORTH OF MISSISSIPPI STREET TO COUNTY ROAD H
PRESENT ADT (2003)	10,000
FUNCTIONAL CLASS	ARTERIAL
TRAFFIC LANES	4
PARKING LANES	0
DESIGN LOAD	9 TON
STABILIZER "R" VALUE	---
2 IN 20 YEAR	---
DESIGN SPEED	40 mph

BASED ON STOPPING DISTANCE  
HEIGHT OF EYE 3.5 FEET  
HEIGHT OF OBJECT 0.5 FEET

#### -GOVERNING SPECIFICATIONS-

THE 2000 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION  
"STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO  
THE MANUAL, INCLUDING FIELD MANUAL, FOR TEMPORARY TRAFFIC  
CONTROL ZONE LAYOUTS.



PLAN REVISIONS		
DATE	SHEET NO. & DESCRIPTION	BY

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

Kathy Jaschke LIC. NO. 21864 DATE 6/23/03

APPROVED [Signature] DATE 6/27/03  
COUNTY ENGINEER

APPROVED [Signature] DATE 6-27-03  
CITY OF NEW BRITTON

MINNESOTA DEPARTMENT OF TRANSPORTATION

[Signature] DATE 7-7-03  
METRO DISTRICT STATE AID ENGINEER REVIEWED FOR  
COMPLIANCE WITH STATE-AID RULES/POLICY

[Signature] DATE 7-7-03  
APPROVED FOR STATE AID FUNDING; STATE AID ENGINEER

DESIGN BY BRIAN ESSLER, DAN BOEDSELSON DATE 3-13-2003  
DRAWN BY BRIAN ESSLER, DAN BOEDSELSON DATE 3-13-2003  
CHECKED BY KATHY JASCHKE DATE 3-13-2003

## RAMSEY COUNTY

### DEPARTMENT OF PUBLIC WORKS

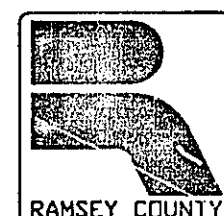
#### CONSTRUCTION PLAN FOR BITUMINOUS MILLING AND RESURFACING.

THIS PLAN CONTAINS 4 SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATED QUANTITIES
3	LOCATION MAP
4	TYPICAL SECTION

### SILVER LAKE ROAD 645' NORTH OF MISSISSIPPI STREET TO COUNTY ROAD H S.A.P. No. 62-644-28

GROSS LENGTH	1954'	0.37 mi.
BRIDGE LENGTH	0.00'	0.00 mi.
EXCEPTIONS	10'	0.002 mi.
NET LENGTH	1944'	0.37 mi.



S.A.P. 62-644-28 Sheet No. 1 of 4 Sheets

### STATEMENT OF ESTIMATED QUANTITIES SILVER LAKE ROAD FROM 645' NORTH OF MISSISSIPPI STREET TO COUNTY ROAD H

ITEM NO.	ITEM	UNIT	100% S.A.P. 62-644-28 ESTIMATED QUANTITIES
2021.501	MOBILIZATION	L.S.	1
2232.501	MILL BITUMINOUS SURFACE (3")	SQ. YD.	9010
2350.501	MVWE35035B (1 1/2")	TON	818
2350.502	MVNW35035B (1 1/2")	TON	818
2357.502	BITUMINOUS MATERIAL FOR TACK COAT	GAL.	991
2504.602	ADJUST VALVE BOX	EACH	2
2506.522	ADJUST FRAME & RING CASTING	EACH	5
2563.601	TRAFFIC CONTROL	L.S.	1
2564.602	PAVE. MESSAGE (RR CROSSING) - POLY PREF	EACH	4
2564.603	4" BROKEN LINE WHITE - EPOXY	L.F.	977
2564.603	4" DOUBLE SOLID LINE YELLOW - EPOXY	L.F.	1954
2564.603	4" SOLID LINE WHITE - EPOXY	L.F.	3888
2564.603	24" SOLID LINE WHITE - POLY PREF	L.F.	42
2564.618	ZEBRA CROSSWALK WHITE - POLY PREF	S.F.	180

#### BASIS FOR ESTIMATED QUANTITIES

1	115 LBS. / SQUARE YARDS / INCH OF BITUMINOUS
2	.05 GALLONS OF BITUMINOUS TACK COAT / SQUARE YARDS OF PAVEMENT / LIFTS

THE FOLLOWING STANDARD PLATES APPROVED BY THE DEPARTMENT OF TRANSPORTATION,  
FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT.

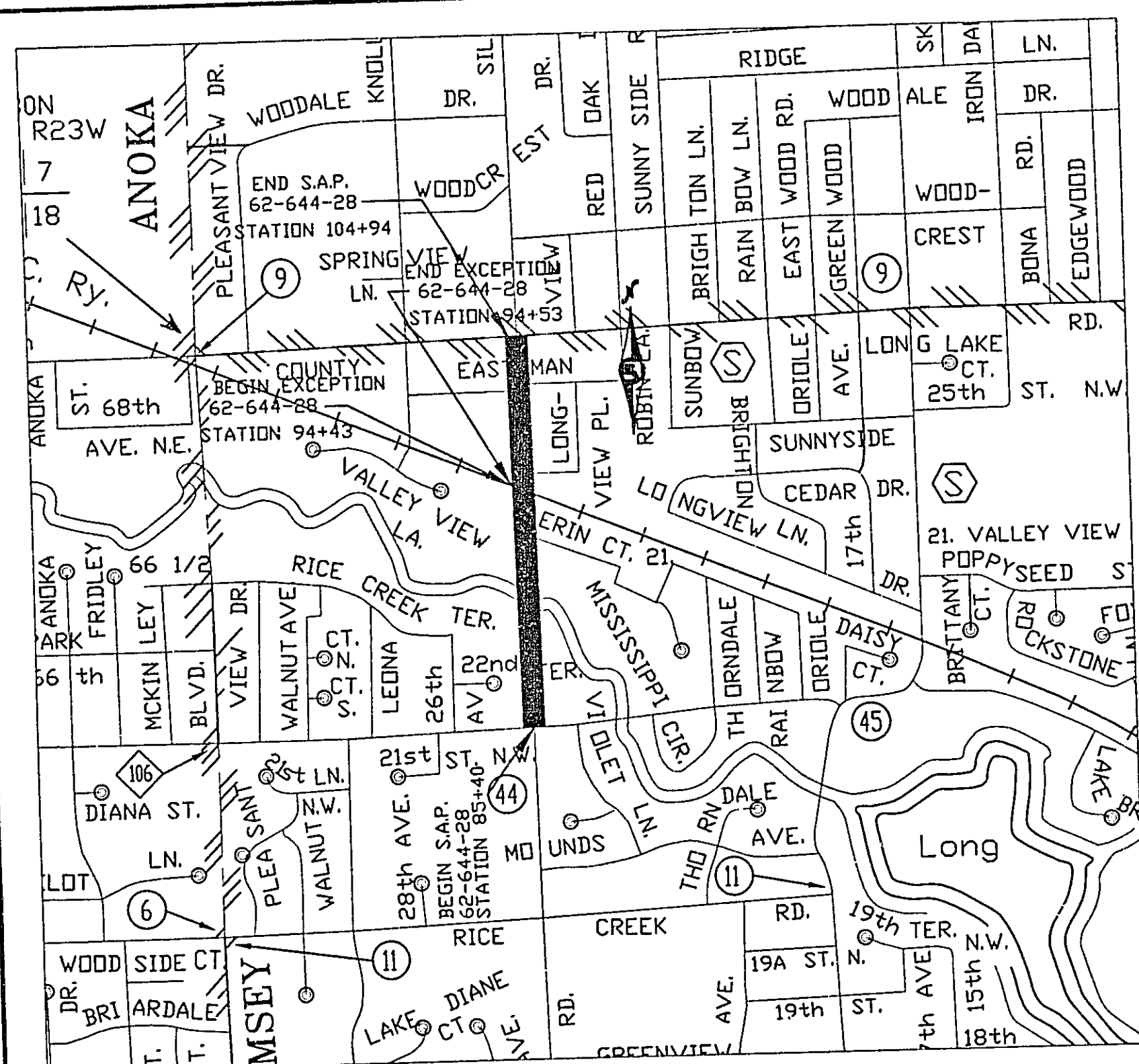
MNDOT STANDARD PLATES	
PLATE NO.	DESCRIPTION
80001	STANDARD BARRICADES

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

NAME Kathy Jaschke DATE 6/27/03  
MIN. REG. NO. 21864

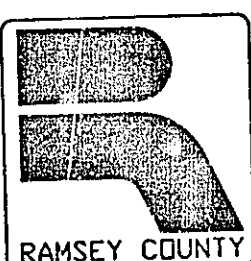
S.A.P. 62-644-28 SHEET 2 OF 4 SHEETS

28-229



### LOCATION MAP

MILL & BITUMINOUS OVERLAY  
SILVER LAKE ROAD  
MISSISSIPPI STREET TO CO. RD. H  
85+40 TO 104+94  
S.A.P. 62-644-28



RAMSEY COUNTY  
Department of Public Works

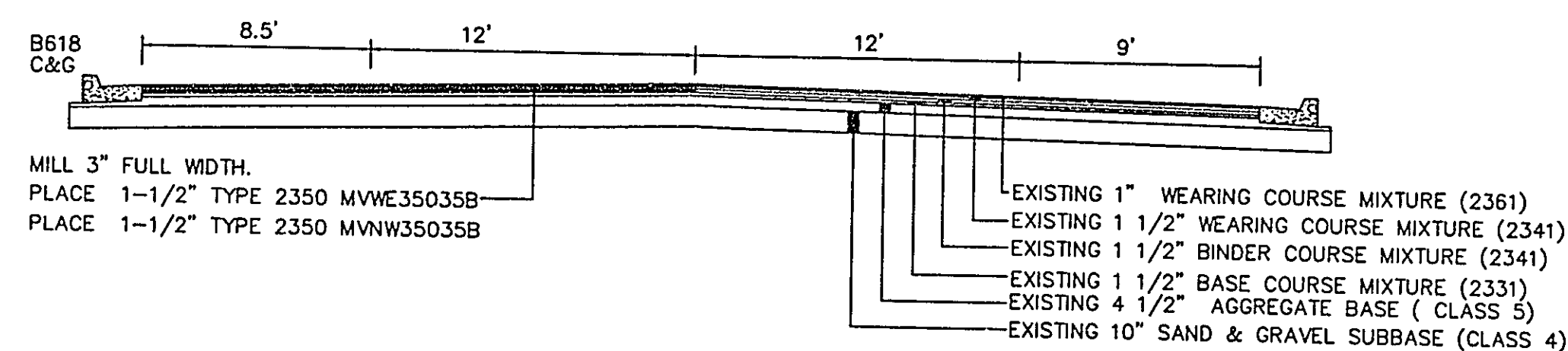
I HEREBY CERTIFY THAT THIS PLAN WAS  
PREPARED BY ME OR UNDER MY DIRECT  
SUPERVISION AND THAT I AM A DULY  
LICENSED PROFESSIONAL ENGINEER UNDER  
LAWS OF THE STATE OF MINNESOTA.

Kathy Jaschke  
LIC. NO. 21864 DATE 6/27/03

S.A.P. 62-644-28 Sheet No. 3 of 4 Sheets

28-229

### TYPICAL SECTIONS SILVER LAKE ROAD



645' NORTH OF MISSISSIPPI STREET  
TO COUNTY ROAD H  
85+40 TO 104+94

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

Kathy Jaschke  
REG. NO. 21864 DATE 6/27/03

SILVER LAKE ROAD  
S.A.P. 62-644-28 Sheet No. 4 of 4 Sheets

28-229