

| DESIGN<br>DESIGNATION | CENTERVILLE RD.<br>BY 2004 | CENTERVILLE RD.<br>BY 2004 | CENTERVILLE RD.<br>BY 2004 |
|-----------------------|----------------------------|----------------------------|----------------------------|
| PRESENT ADT (2004)    | 5,250                      | 4,600                      | 6,050                      |
| FUNCTIONAL CLASS      | ARTERIAL                   | ARTERIAL                   | ARTERIAL                   |
| TRAFFIC LANE          | 2                          | 2                          | 2                          |
| PARKING LANE          | 0                          | 0                          | 0                          |
| DESIGN LOAD           | 9 TON                      | 9 TON                      | 9 TON                      |
| STATIONING "R" VALUE  | ---                        | ---                        | ---                        |
| 3 INCH 20' YEAR       | ---                        | ---                        | ---                        |

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

GOVERNING SPECIFICATIONS--

THE 2004 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION  
"STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO  
THE MAINTENANCE AND CONSTRUCTION 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 4/16/04

APPROVED Kathy Jaschke DATE 4/21/04  
COUNTY ENGINEER

APPROVED W. J. J. J. DATE 4/21/04  
CITY OF VADNAIS HEIGHTS

MINNESOTA DEPARTMENT OF TRANSPORTATION

D. J. J. DATE 5/6/04  
METRO DISTRICT STATE AID ENGINEER, REVIEWED FOR  
COMPLIANCE WITH STATE AID RULES/POLICY

D. J. J. DATE 5/6/04  
APPROVED FOR STATE AID FUNDING: STATE AID ENGINEER

DESIGN SOUND BRIAN ESSLER DATE 1/23/2004

DRAWN BY BRIAN ESSLER DATE 1/23/2004

CHECKED BY KATHY JASCHKE DATE 1/23/2004

## RAMSEY COUNTY

DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION PLAN FOR BITUMINOUS MILLING  
AND RESURFACING

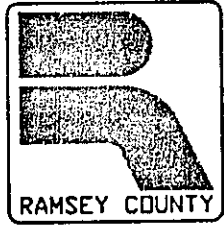
THIS PLAN CONTAINS 4 SHEETS

INDEX

| SHEET NO. | DESCRIPTION               |
|-----------|---------------------------|
| 1         | TITLE SHEET               |
| 2         | ESTIMATED QUANTITIES      |
| 3         | LOCATION MAP              |
| 4-5       | TYPICAL SECTION - DETAILS |

### CENTERVILLE ROAD EDGERTON STREET TO HORIZON STREET S.A.P. 62-659-15

|               |       |          |
|---------------|-------|----------|
| GROSS LENGTH  | 8255' | 1.56 mi. |
| BRIDGE LENGTH | 0.00' | 0.00 mi. |
| EXCEPTIONS    | 1300' | 0.25 mi. |
| NET LENGTH    | 6955' | 1.32 mi. |



28-230

S.A.P. 62-659-15 Sheet No. 1 of 5 Sheets

### STATEMENT OF ESTIMATED QUANTITIES CENTERVILLE ROAD - EDGERTON STREET TO HORIZON STREET

| ITEM NO. | ITEM                                | UNIT   | 100% S.A.P. 62-659-15<br>ESTIMATED QUANTITIES |
|----------|-------------------------------------|--------|-----------------------------------------------|
| 2021.501 | MOBILIZATION                        | L.S.   | 1                                             |
| 2232.501 | MILL BITUMINOUS SURFACE (1")        | SQ.YD. | 2647                                          |
| 2350.501 | MMWE35035B (1")                     | TON    | 1728                                          |
| 2357.502 | BITUMINOUS MATERIAL FOR TACK COAT   | GAL.   | 1503                                          |
| 2506.522 | ADJUST FRAME & RING CASTING         | EACH   | 9                                             |
| 2563.601 | TRAFFIC CONTROL                     | L.S.   | 1                                             |
| 2564.603 | 4" BROKEN LINE WHITE - EPOXY        | L.F.   | 70                                            |
| 2564.603 | 4" SOLID LINE WHITE - EPOXY         | L.F.   | 12266                                         |
| 2564.603 | 4" DOUBLE SOLID LINE YELLOW - EPOXY | L.F.   | 1620                                          |
| 2564.603 | 4" BROKEN LINE YELLOW - EPOXY       | L.F.   | 1232                                          |
| 2564.603 | 4" SOLID LINE YELLOW - EPOXY        | L.F.   | 2834                                          |

BASIS FOR ESTIMATED QUANTITIES

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

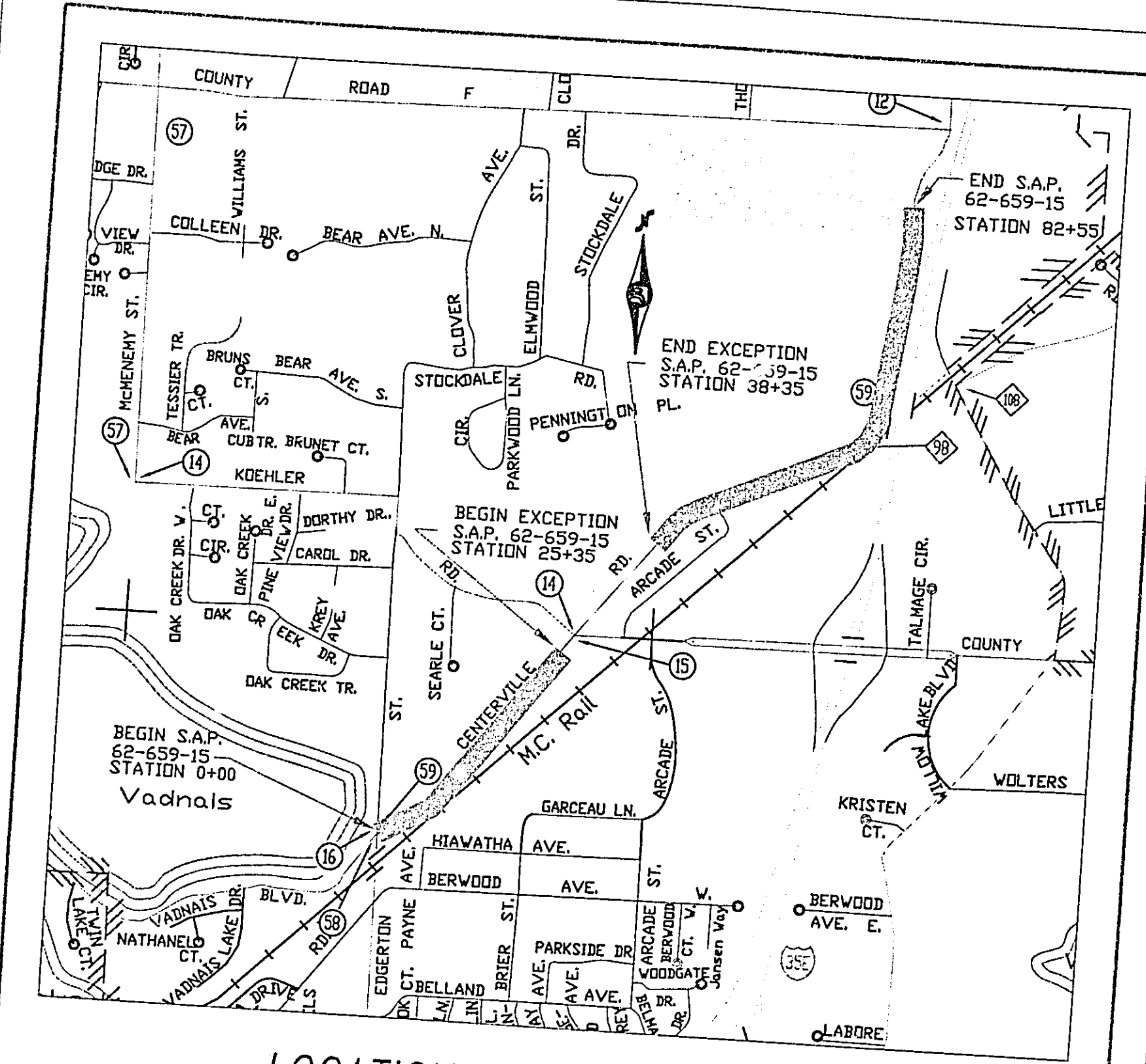
THE FOLLOWING STANDARD PLATES APPROVED BY THE DEPARTMENT OF TRANSPORTATION,  
FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT.

| MN/DOT STANDARD PLATES | DESCRIPTION         |
|------------------------|---------------------|
| PLATE NO. 1            | STANDARD BARRICADES |

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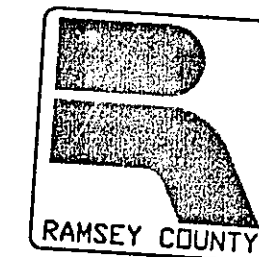
NAME Kathy Jaschke 21864 4/16/04  
MN. REG. NO. 21864

S.A.P. 62-659-15 SHEET 2 OF 4 SHEETS



### LOCATION MAP

MILL & BITUMINOUS OVERLAY  
CENTERVILLE ROAD  
EDGERTON STREET TO HORIZON STREET  
0+00 TO 82+55  
S.A.P. 62-659-15



RAMSEY COUNTY  
Department of Public Works

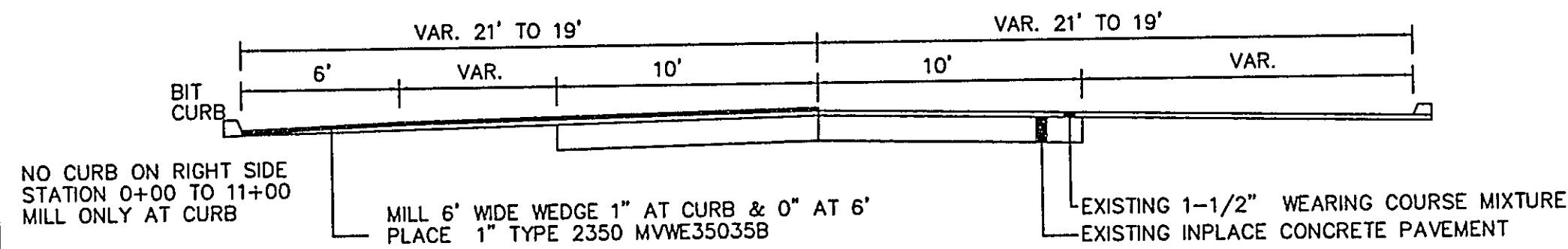
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LIC. NO. 21864 DATE 4/16/04

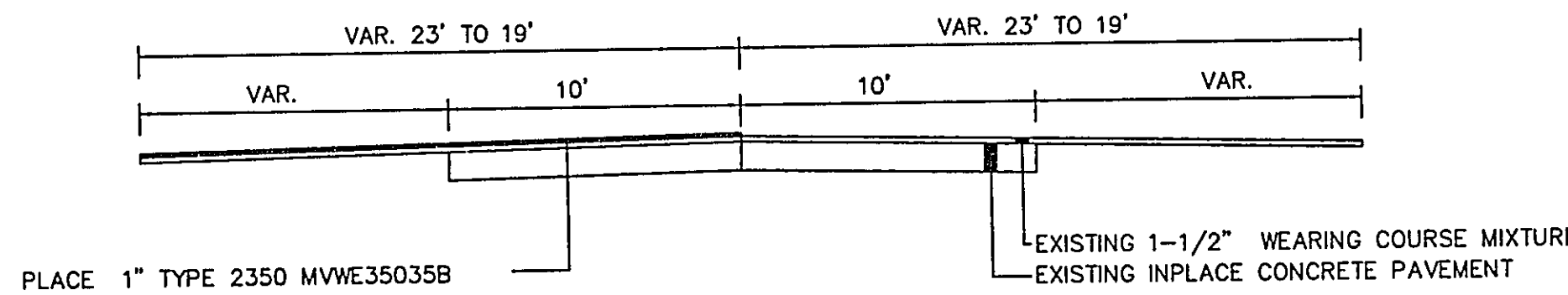
S.A.P. 62-659-15 Sheet No. 3 of 5 Sheets

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### TYPICAL CENTERVILLE ROAD



EDGERTON STREET TO  
COUNTY ROAD E  
0+00 TO 25+35



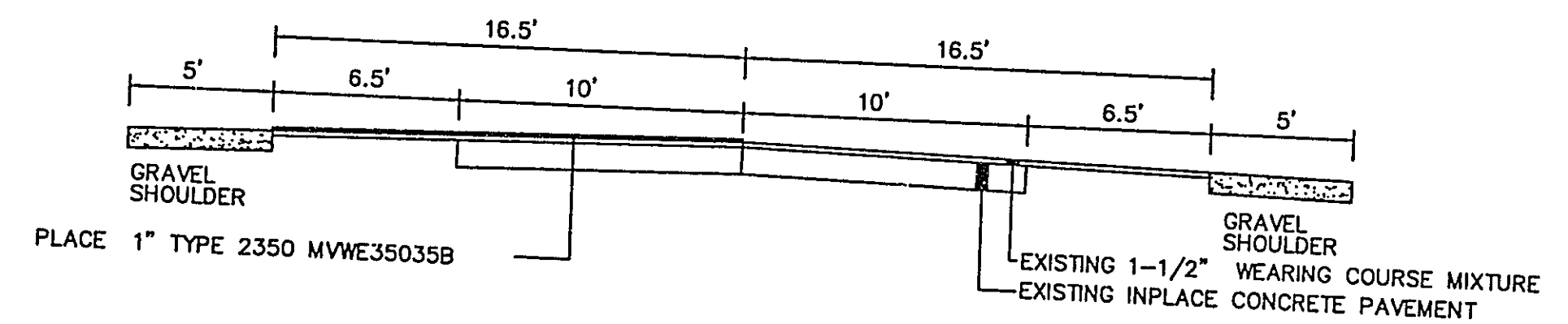
COUNTY ROAD E TO  
350' NORTH OF GOOSE LAKE BLVD.  
38+35 TO 71+00

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S.A.P. 62-659-15 Sheet No. 4 of 5 Sheets

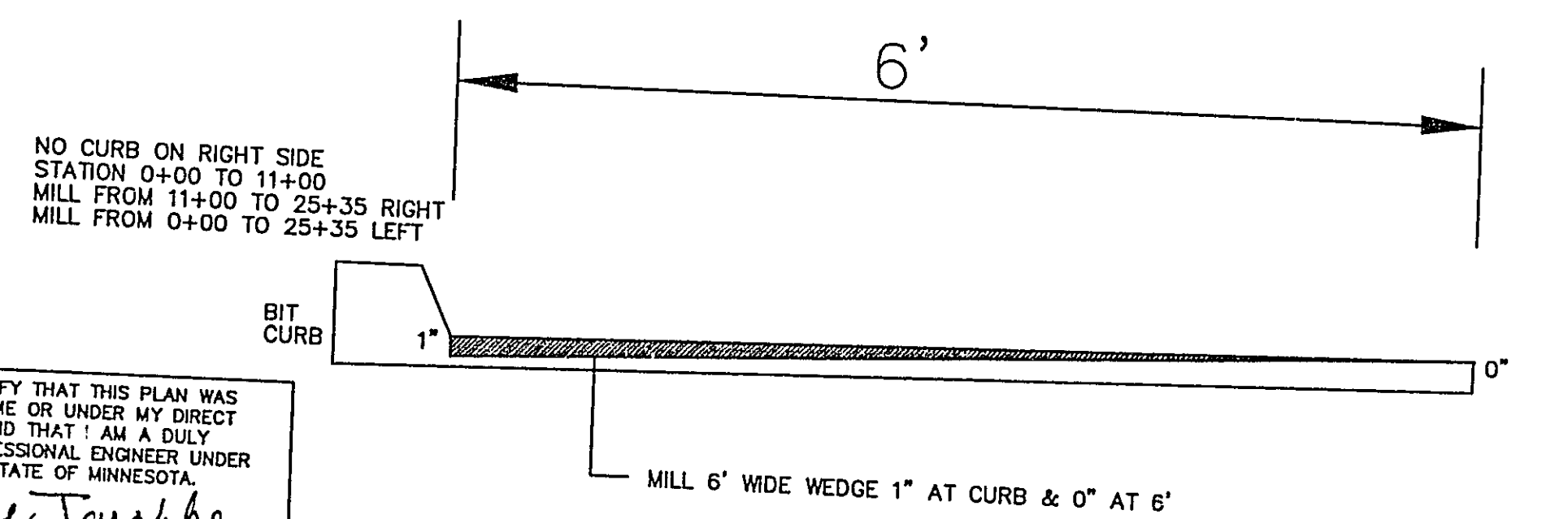
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### TYPICAL CENTERVILLE ROAD



350' NORTH OF GOOSE LAKE BLVD. TO  
TO HORIZON STREET  
71+00 TO 82+55

### MILLING DETAIL



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S.A.P. 62-659-15 Sheet No. 5 of 5 Sheets

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