

CITY OF RAMSEY, MINNESOTA

CIVIL CONSTRUCTION PLANS FOR

BUNKER LAKE BOULEVARD AND PUMA STREET IMPROVEMENTS

CITY IMPROVEMENT PROJECT #18-05

GRADING, AGGREGATE BASE, CURB & GUTTER, BITUMINOUS PAVING, STORM SEWER, AND ADA IMPROVEMENTS
 S.A.P. 199-109-006 LOCATED ON: PUMA STREET NW FROM BUNKER LAKE BOULEVARD NW TO 950' SOUTH OF ALPINE DRIVE NW
 S.A.P. 199-121-002 LOCATED ON: BUNKER LAKE BLVD NW FROM PUMA STREET NW TO 2,400' WEST OF COUNTY ROAD 83

MINN. PROJ. NO. _____
 GOVERNING SPECIFICATIONS
 THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.
 ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MOST RECENT EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS."

| SHEET INDEX | |
|---------------|---|
| SHEET NO. | GENERAL TITLE |
| G0.01 | TITLE |
| G0.02 | ESTIMATED QUANTITIES/STANDARD PLATES |
| G0.03 - G0.04 | TABULATIONS |
| C0.01 - C0.02 | ALIGNMENT PLAN & TABULATION |
| C1.01 - C1.02 | TYPICAL SECTIONS |
| C1.03 - C1.10 | DETAILS |
| C2.01 - C2.03 | STORMWATER POLLUTION PREVENTION PLAN |
| C2.04 - C2.05 | EROSION CONTROL PLAN |
| C3.01 - C3.02 | EXISTING CONDITIONS & REMOVALS |
| C4.01 - C4.03 | PUMA STREET PLAN & PROFILE - STREET & STORM SEWER |
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| C4.07 - C4.08 | STORM SEWER LEADS |
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| C7.01 - C7.05 | PUMA STREET CROSS SECTIONS |
| C7.06 - C7.11 | BUNKER LAKE BOULEVARD CROSS SECTIONS |

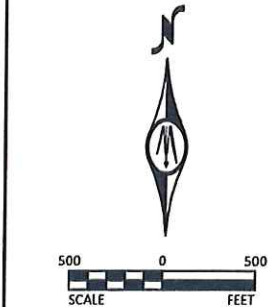
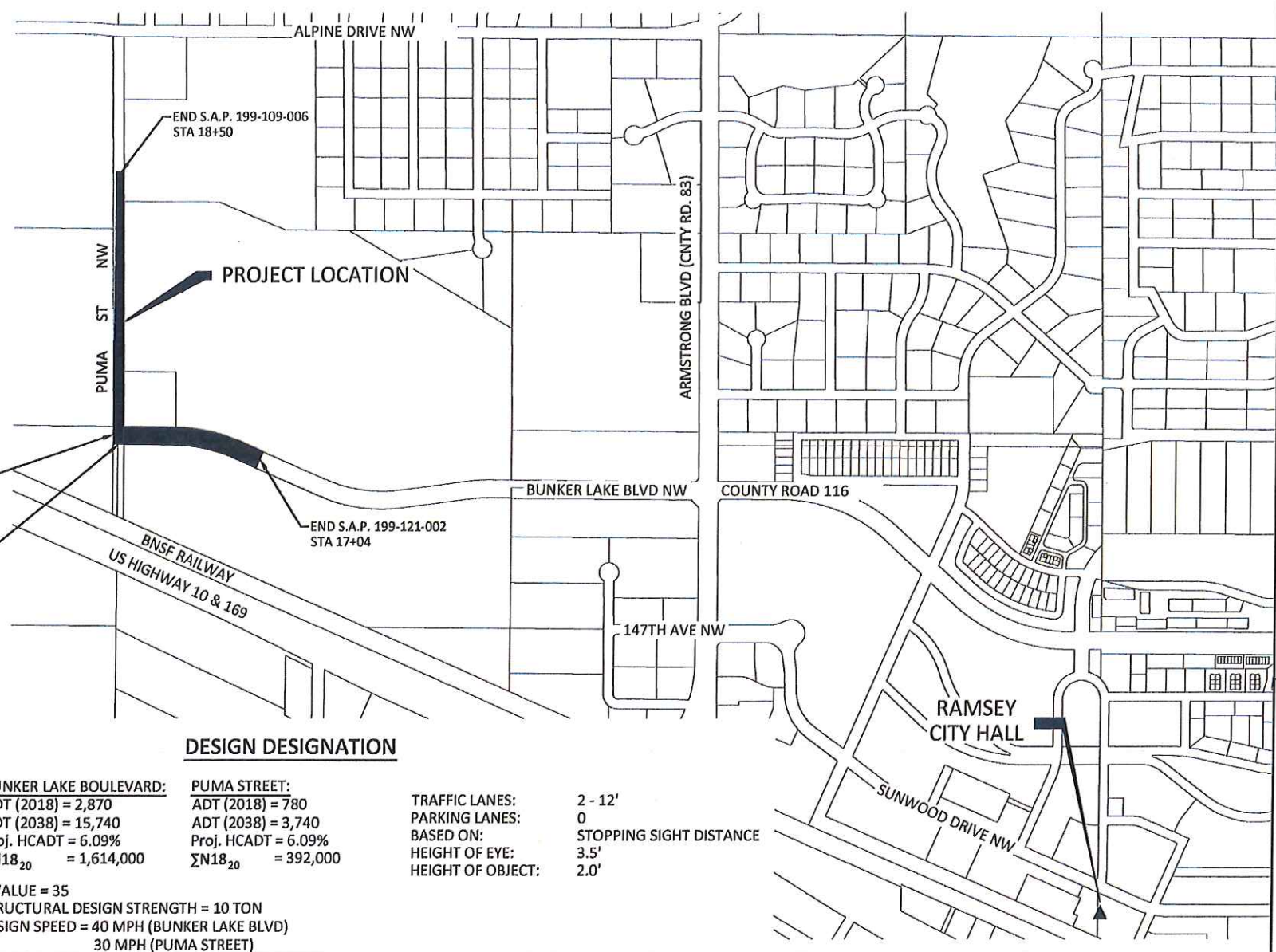
THIS PLAN SET CONTAINS 47 SHEETS.

PUMA STREET NW

| | |
|-------------------|--------------------------|
| STATE PROJ. NO. | S.A.P. 199-109-006 |
| GROSS LENGTH | 1780.91 FEET 0.337 MILES |
| BRIDGES-LENGTH | FEET MILES |
| EXCEPTIONS-LENGTH | FEET MILES |
| NET LENGTH | 1780.91 FEET 0.337 MILES |

BUNKER LAKE BLVD NW

| | |
|-------------------|--------------------------|
| STATE PROJ. NO. | S.A.P. 199-121-002 |
| GROSS LENGTH | 1658.73 FEET 0.314 MILES |
| BRIDGES-LENGTH | FEET MILES |
| EXCEPTIONS-LENGTH | FEET MILES |
| NET LENGTH | 1658.73 FEET 0.314 MILES |



PROJECT LOCATION

DISTRICT : METRO
 COUNTY : ANOKA
 SECTION : 28, 33, & 34
 TOWNSHIP : 32N
 RANGE : 25W



MAP OF THE CITY OF RAMSEY
 ANOKA COUNTY, MN

MAP LEGEND

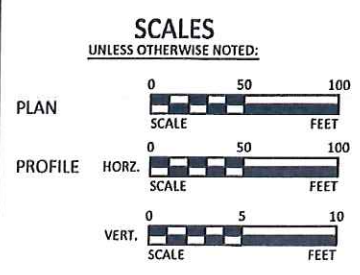
PROJECT LIMITS
 BID LOCATION

DESIGN DESIGNATION

| | | |
|---|--|---|
| BUNKER LAKE BOULEVARD: ADT (2018) = 2,870 ADT (2038) = 15,740 Proj. HCADT = 6.09% ΣN18 ₂₀ = 1,614,000 | PUMA STREET: ADT (2018) = 780 ADT (2038) = 3,740 Proj. HCADT = 6.09% ΣN18 ₂₀ = 392,000 | TRAFFIC LANES: 2 - 12' PARKING LANES: 0 BASED ON: STOPPING SIGHT DISTANCE HEIGHT OF EYE: 3.5' HEIGHT OF OBJECT: 2.0' |
|---|--|---|

R VALUE = 35
 STRUCTURAL DESIGN STRENGTH = 10 TON
 DESIGN SPEED = 40 MPH (BUNKER LAKE BLVD)
 30 MPH (PUMA STREET)
 FUNCTIONAL CLASSIFICATION: MINOR COLLECTOR

NOTE: EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY GOPHER STATE ONE CALL, 1-800-252-1166 OR 612-454-0002.



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.

Kevin P. Kielb LIC. NO. 23211 DATE 4/12/18
 Kevin P. Kielb

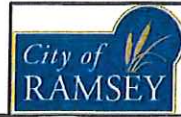
APPROVED: *Bruce J. [Signature]* DATE 4/12/18
 CITY ENGINEER, CITY OF RAMSEY

STATE AID APPROVALS:

Jane Drosel DATE 4/26/18
 DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE AID RULES/POLICY

Jane Drosel DATE 4/26/18
 STATE AID ENGINEER: APPROVED FOR STATE AID FUNDING

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PROJECT DATUM:
 HORIZONTAL: Anoka County Coordinates (1996 Adjustment)
 VERTICAL: NGVD 29

DESIGNED: KFB
 DRAWN: EKD
 CHECKED: JWC



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 Email: Ramsey@bolton-menk.com
 www.bolton-menk.com

| REV. | BY | DATE | RECORD DRAWING INFORMATION |
|------|----|------|----------------------------|
| | | | |

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|--|--|-----------------------|
| CITY OF RAMSEY, MINNESOTA | | SHEET G0.01 |
| BUNKER LAKE BOULEVARD AND PUMA STREET IMPROVEMENTS S.A.P. 199-109-006, S.A.P. 199-121-002 | | |
| TITLE SHEET | | |