

MINNESOTA DEPARTMENT OF TRANSPORTATION

ANOKA COUNTY

CONSTRUCTION PLAN FOR STORM SEWER, GRADING, BASE & BITUMINOUS PAVING, BRIDGE CONSTRUCTION

LOCATED ON C.R. 116 RUM RIVER CROSSING BETWEEN T.H. # 47 AND C.S.A.H. # 7 (Geographic Description)

COUNTY PROJECT NO. 85-05-116 FROM TO (Legal Description)
 COUNTY PROJECT NO. 88-09-116

STATE AID PROJ. NO. STATE AID PROJ. NO.

GROSS LENGTH	5277.000	FEET	0.999	MILES	GROSS LENGTH	FEET	MILES
BRIDGES-LENGTH	724.990	FEET	0.137	MILES	BRIDGES-LENGTH	FEET	MILES
EXCEPTIONS-LENGTH	724.990	FEET	0.137	MILES	EXCEPTIONS-LENGTH	FEET	MILES
NET LENGTH	4522.010	FEET	0.862	MILES	NET LENGTH	FEET	MILES

MINN. PROJ. NO.
 MINN. PROJ. NO.

GOVERNING SPECIFICATIONS

THE 1988 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

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" 3	TYPICAL DETAILS
" 4	CONCRETE DETAILS & MISC. DETAILS
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" 6	PLANTING DETAILS
" 7	DRAINAGE CHART
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C.P. 85-05-116	" IA-46A BRIDGE NO. 02545
C.P. 88-09-116	" IB-36B BRIDGE NO. 02546
	" IC-10C BRIDGE NO. 96834

THIS PLAN CONTAINS 124 SHEETS

DESIGN DESIGNATION

ΣN18 20 /
 R Value
 ADT () =
 Proj. ADT (2010) = 19,150
 Proj. HCADT (2010) = 1100 +
 Soil Factor A3 50%
 9 Ton Design
 Shoulder Width 10'

Design Speed 40 MPH
 Based on STOPPING Sight Distance
 Height of eye 3.5' Height of object 0.5'
 Design Speed not achieved at:
 STA. TO STA. MPH
 STA. TO STA. MPH
 STA. TO STA. MPH

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

DATE 9/29/89 REG. NO. 6549 ENGR. *Lawrence R. Lund*
 COUNTY Anoka

Recommended for Approval 19 DISTRICT STATE AID ENGINEER
 Recommended for Approval 19 STATE AID PLANS AND SPECS ENGINEER
 Approved 19 STATE AID ENGINEER

DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 APPROVED
 DIVISION ADMINISTRATOR DATE

STATE AID PROJ. NO.
 STATE PROJ. NO. C.P. 85-05-116, C.P. 88-09-116 SHEET NO. 1 OF 32 SHEETS

PLANS SYMBOLS

- STATE LINE
- COUNTY LINE
- TOWNSHIP OR RANGE LINE
- SECTION LINE
- QUARTER LINE
- SIXTEENTH LINE
- FRONT OF WAY LINE
- SLOPE EASEMENT
- PRESENT RIGHT OF WAY LINE
- CONTROL OF ACCESS LINE
- PROPERTY LINE (Exclpt Land Lines)
- VACATED PLATTED PROPERTY
- CORPORATE OR CITY LIMITS
- TRUNK HIGHWAY CENTER LINE
- RETAINING WALL
- RAILROAD
- RAILROAD RIGHT OF WAY LINE
- RIVER OR CREEK
- DRY RUN
- DRAINAGE DITCH
- DRAIN TEE
- CULVERT
- DROP PILE
- QUARD RAIL
- BARBED WIRE FENCE
- WOVEN WIRE FENCE
- CHAIN LINK FENCE
- RAILROAD SLOPE FENCE
- STONE WALL OR FENCE
- HEDGE
- RAILROAD CROSSING SIGN
- RAILROAD CROSSING BELL
- ELECTRIC WARNING SIGN
- CROSSING GATE
- MEANWER CORNER
- SPIRINGS
- MARSH
- TINILR
- ORCHARD
- BROSH
- MURSLRY
- CATCH BASIN
- FIRE HYDRANT
- CATTLE GUARD
- OVERPASS (Highway Over)
- UNDERPASS (Highway Under)
- BRIDGE
- BUILDING (One Story Frame)
- F - FRAME
- S - STONE
- B - BRICK
- C - CONCRETE
- T - TREE
- ST - STUCCO
- IRON FIRE OR ROD
- MOVEMENT, STONE, CONCRETE, OR METAL
- WOODEN - AUB
- GRAVEL PIT
- SAND PIT
- BORROW PIT
- ROCK QUARRY

UTILITIES SYMBOLS

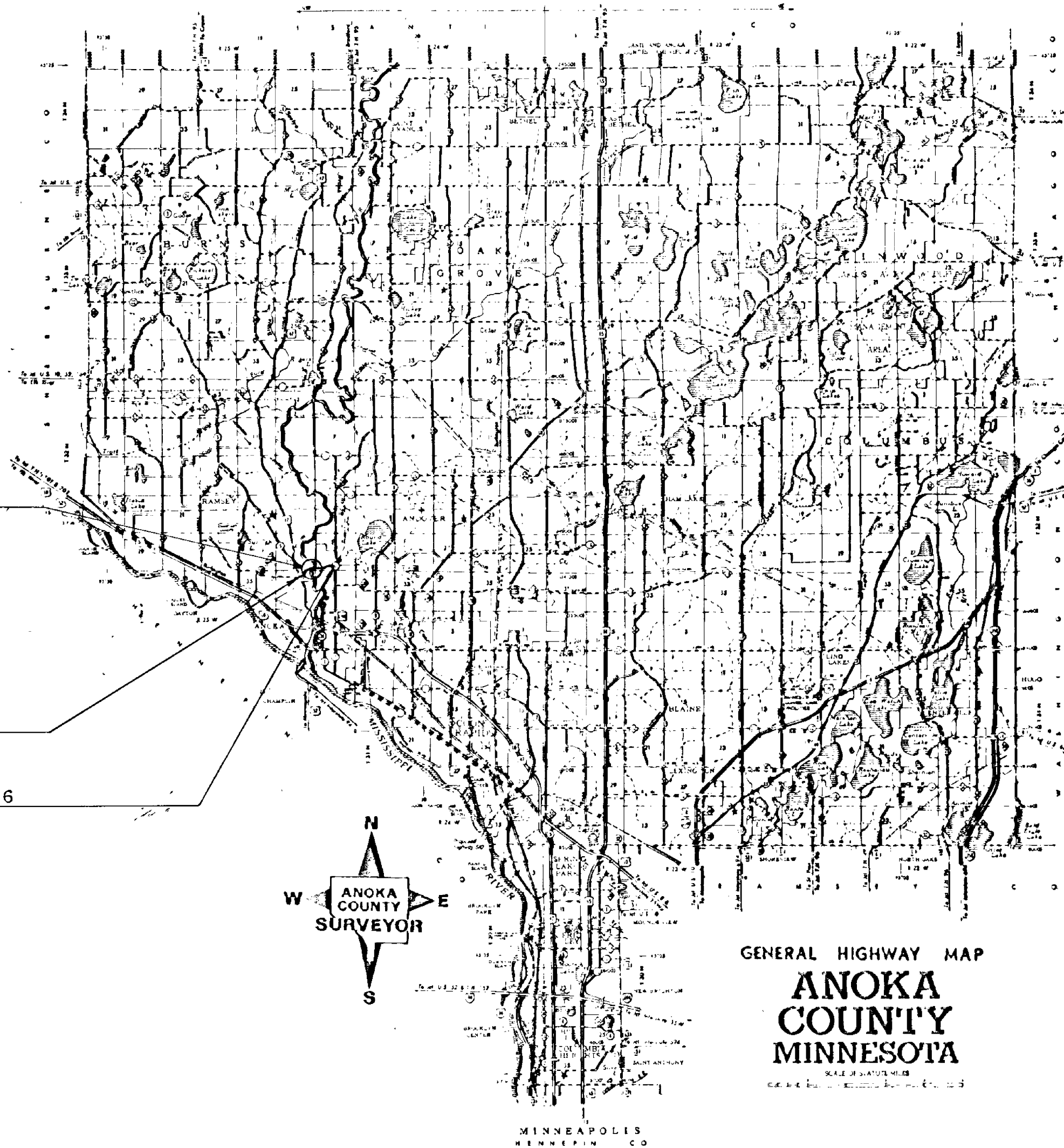
- POWER POLE LINE
- TELEPHONE OR TELEGRAPH POLE LINE
- JOINT TELEPHONE AND POWER ON POWER POLES
- ON TELEPHONE POLES
- ANCHOR
- STEEL TOWER
- STREET LIGHT
- PEDESTAL TELEPHONE CABLE TERMINAL
- GAS MAIN
- WATER MAIN
- CONDUIT
- TELEPHONE CABLE IN CONDUIT
- ELECTRIC CABLE IN CONDUIT
- TELEPHONE MARKHOLE
- ELECTRIC MARKHOLE
- BURIED TELEPHONE CABLE
- BURIED ELECTRIC CABLE
- AERIAL TELEPHONE CABLE
- SEWER (SANITARY OR STORM)
- SEWER MARKHOLE

SCALES

- PLAN 50'
- PROFILE 10'
- INDEX MAP 2.56 MI
- CROSS SECTION 10'

PROJECT LOCATION C.P. 88-09-116
 BRIDGE NO. - 02545
 BRIDGE NO. - 02546
 BRIDGE NO. - 96834

BEGIN PROJECT C.P. 85-05-116
 STA. 99+37
 END PROJECT C.P. 85-05-116
 STA. 152+14



TITLE SHEET w/ map blueprint 432 REV 2-88