

CONVENTIONAL SIGNS

STATE LINE	-----	TIMBER	
COUNTY LINE	-----	BRUSH	
TOWNSHIP OR RANGE LINE	-----	ORCHARD	
SECTION LINE	-----	ROCK LEDGE	
QUARTER LINE	-----	SAND	
SIXTEENTH LINE	-----	EDGE OF CUT	
RIGHT-OF-WAY LINE	-----	TOE OF EMBANKMENT	
PRESENT ROAD R/W LINE	-----	CATCH BASIN	
LIMITED ACCESS	-----	MANHOLE	
PROPERTY LINE (Except Land Lines)	-----	DROP INLET	
VACATED PLATTED PROPERTY	-----	FIRE HYDRANT	
CORPORATE OR CITY LIMITS	-----	ARC LAMP	
TRUNK HIGHWAY CENTER LINE	-----	OTHER LAMPS (State Kind)	
RETAINING WALL	-----	RAILROAD CROSSING SIGN	
STEAM RAILROAD	-----	RAILROAD CROSSING BELL	
ELECTRIC RAILROAD	-----	ELECTRIC WARNING SIGN	
RAILROAD RIGHT-OF-WAY LINE	-----	CROSSING GATE	
CREEK	-----	CATTLE GUARD	
RAPIDS OR WATERFALL	-----	OVERHEAD (Highway Over)	
DRY RUN	-----	UNDERPASS (Highway Under)	
DRAINAGE DITCH	-----	ABUTMENT, WALL & PIER	
HIGH TENSION LINE	-----	BRIDGE	
POWER POLE LINE	-----	CULVERT	
TELEPHONE OR TELEGRAPH LINE	-----	BUILDING (One Story Frame)	
TELEPHONE CONDUIT	-----	C-CONCRETE S-STONE T-TILE B-BRICK ST-STUCCO	
GUARD RAIL	-----	HEDGE	
WIRE FENCE	-----	IRON PIPE	
RAILROAD SNOW FENCE	-----	STONE MONUMENT	
ROAD OR HIGHWAY SNOW FENCE	-----	WOOD STAKE OR HUB	
STONE WALL OR FENCE	-----	MEANDER CORNER	
GAS MAIN	-----		
WATER PIPE	-----		
SEWER PIPE	-----		
DRAIN TILE	-----		
GRAVEL PIT	-----		
SAND PIT	-----		
CLAY PIT	-----		
ROCK QUARRY	-----		
SPRINGS	-----		
MARSH	-----		

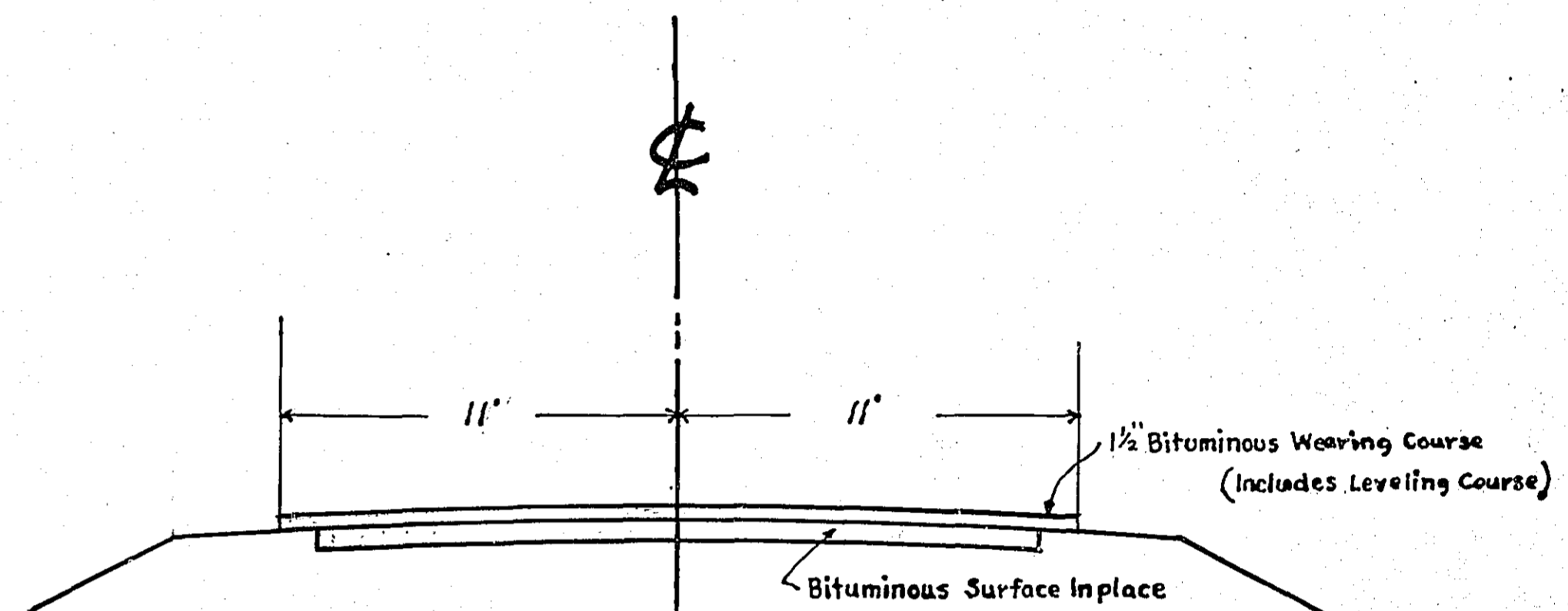
PLATE NO.	STANDARD DETAIL PLATES
9001 A	BITUMINOUS SURFACE ROAD APPROACH-ENT.

ESTIMATED QUANTITIES			
SPEC. NO.	ITEM	UNIT	TOTAL ESTIMATED QUANTITIES
	BIT. MATERIAL FOR TACK COAT	GAL.	1472
	PLANT MIX BIT. MAT. FOR WEARING COURSE TONS (INCLUDES LEVELING COURSE)		1433

**OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY**
CONSTRUCTION PLAN FOR BITUMINOUS SURFACING
COUNTY ROAD "B"
RAMSEY COUNTY PROJECT NO. 56-59A
FROM WHITE BEAR AVE. TO NORTH ST. PAUL ROAD

GROSS LENGTH	5760 FEET	1.09 MILES
BRIDGES-LENGTH	0 FEET	0 MILES
EXCEPTIONS-LENGTH	0 FEET	0 MILES
NET LENGTH	5760 FEET	1.09 MILES

PLAN, 1 inch = 100 Feet
PROFILE, Horiz. 1 inch = 100 Feet. Vert. 1 inch = 10 Feet.
WORKING PLANS { Horiz. 1 inch = 100 Feet
Vert. 1 inch = 10 Feet
Cross-Sections 1 inch = Feet
LAYOUT, 1 inch = Feet



TYPICAL SURFACE SECTIONS

END OF PROJ.
STA. 530+07

BEG. PROJ.
STA. 472+47

PIT DATA

PIT NO. _____	Located in _____
PIT NO. _____	Located in _____
PIT NO. _____	Located in _____
PIT NO. _____	Located in _____

BASIS FOR PLANNED QUANTITIES

BIT. MATERIAL FOR TACK COAT 0.10 GAL. PER SQ. YD.
BIT. MATERIAL FOR WEARING COURSE 200 LBS. PER SQ. YD.
(INCLUDES LEVELING COURSE)

SPECIFICATIONS

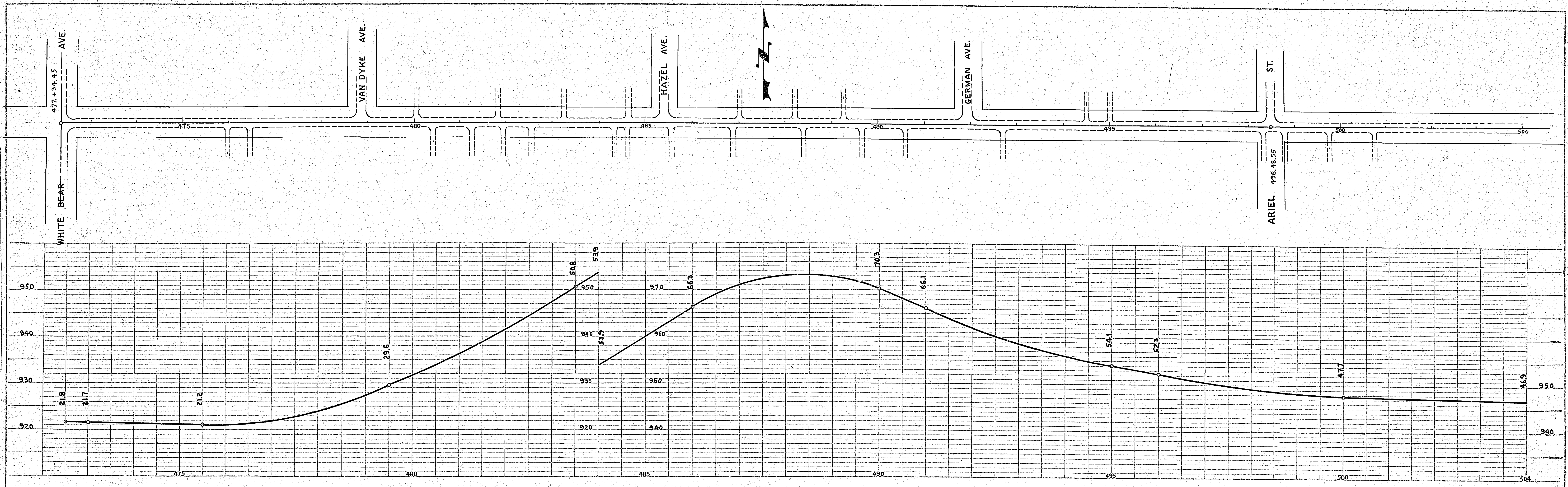
THE "SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" DATED JULY 1, 1947 AND SUBMITTED FOR APPROVAL BY THE DIVISION ENGINEER OF THE BUREAU OF PUBLIC ROADS ON OCTOBER 15, 1947, AS MODIFIED BY "SUPPLEMENT 1" THERE TO DATED APRIL 15, 1953 AND SUBMITTED FOR APPROVAL BY THE DIVISION ENGINEER OF THE BUREAU OF PUBLIC ROADS ON MARCH 25, 1953, SHALL GOVERN.

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.
Raymond S. Brown COUNTY ENGINEER REG. NO. 818 DATE 7/2/56

RECOMMENDED FOR APPROVAL *Raymond S. Brown* COUNTY ENGINEER DATE 7/2/56
APPROVED *James J. O'Brien* CHAIRMAN OF RAMSEY COUNTY BOARD DATE 7/2/56
APPROVED *R. M. ...* ENGINEER OF COUNTY DIVISION DATE 7/10/56
APPROVED _____ ENGINEER OF PLANS AND SURVEYS DATE _____

APPROVAL RECOMMENDED
E. J. McCreary District Engineer

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	RT. OF WAY CHECKED	
	NO. OF WAY CHECKED	
	NO.	



PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	STRUCTURE NOTATION CHECKED	
	NO.	

