

CONVENTIONAL SIGNS

STATE LINE	--- --- --- --- --- --- --- --- --- ---
COUNTY LINE	--- --- --- --- --- --- --- --- --- ---
TOWNSHIP OR RANGE LINE	--- --- --- --- --- --- --- --- --- ---
SECTION LINE	--- --- --- --- --- --- --- --- --- ---
QUARTER LINE	--- --- --- --- --- --- --- --- --- ---
SIXTEENTH LINE	--- --- --- --- --- --- --- --- --- ---
RIGHT-OF-WAY LINE	--- --- --- --- --- --- --- --- --- ---
PRESENT ROAD 7/8 LINE	--- --- --- --- --- --- --- --- --- ---
LIMITED ACCESS	--- --- --- --- --- --- --- --- --- ---
PROPERTY LINE (LAWYER'S LINE)	--- --- --- --- --- --- --- --- --- ---
VACATED PLATED PROPERTY	--- --- --- --- --- --- --- --- --- ---
CORPORATE OR CITY LIMITS	--- --- --- --- --- --- --- --- --- ---
TRUNK HIGHWAY CENTER LINE	--- --- --- --- --- --- --- --- --- ---
RETAINING WALL	--- --- --- --- --- --- --- --- --- ---
STEAM RAILROAD	--- --- --- --- --- --- --- --- --- ---
ELECTRIC RAILROAD	--- --- --- --- --- --- --- --- --- ---
RAILROAD RIGHT-OF-WAY LINE	--- --- --- --- --- --- --- --- --- ---
CREAK	--- --- --- --- --- --- --- --- --- ---
RAPIDS OR WATERFALL	--- --- --- --- --- --- --- --- --- ---
DRY RUN	--- --- --- --- --- --- --- --- --- ---
DRAINAGE DITCH	--- --- --- --- --- --- --- --- --- ---
HIGH TENSION LINE	--- --- --- --- --- --- --- --- --- ---
POWER POLE LINE	--- --- --- --- --- --- --- --- --- ---
TELEPHONE OR TELEGRAPH LINE	--- --- --- --- --- --- --- --- --- ---
TELEPHONE CONDUIT	--- --- --- --- --- --- --- --- --- ---
FUND RAIL	--- --- --- --- --- --- --- --- --- ---
WIRE FENCE	--- --- --- --- --- --- --- --- --- ---
RAILROAD SNOW FENCE	--- --- --- --- --- --- --- --- --- ---
BOARD OR HIGHWAY SNOW FENCE	--- --- --- --- --- --- --- --- --- ---
STONE WALL OR FENCE	--- --- --- --- --- --- --- --- --- ---
ICE MAIN	--- --- --- --- --- --- --- --- --- ---
WATER PIPE	--- --- --- --- --- --- --- --- --- ---
SEWER PIPE	--- --- --- --- --- --- --- --- --- ---
DRAIN TILE	--- --- --- --- --- --- --- --- --- ---
SAND PIT	--- --- --- --- --- --- --- --- --- ---
CLAY PIT	--- --- --- --- --- --- --- --- --- ---
ROCK QUARRY	--- --- --- --- --- --- --- --- --- ---
SPRINGS	--- --- --- --- --- --- --- --- --- ---
MARSH	--- --- --- --- --- --- --- --- --- ---
TIMBER	--- --- --- --- --- --- --- --- --- ---
BRUSH	--- --- --- --- --- --- --- --- --- ---
ORCHARD	--- --- --- --- --- --- --- --- --- ---
ROCK LEDGE	--- --- --- --- --- --- --- --- --- ---
SAND	--- --- --- --- --- --- --- --- --- ---
EDGE OF CUT	--- --- --- --- --- --- --- --- --- ---
TOE OF EMBANKMENT	--- --- --- --- --- --- --- --- --- ---
CATCH BASIN	--- --- --- --- --- --- --- --- --- ---
MANHOLE	--- --- --- --- --- --- --- --- --- ---
TRUCK WHEEL	--- --- --- --- --- --- --- --- --- ---
FIRE HYDRANT	--- --- --- --- --- --- --- --- --- ---
450 LAMP	--- --- --- --- --- --- --- --- --- ---
OTHER LAMPS (2000-4000)	--- --- --- --- --- --- --- --- --- ---
RAILROAD CROSSING SIGN	--- --- --- --- --- --- --- --- --- ---
ELECTRIC WARNING SIGN	--- --- --- --- --- --- --- --- --- ---
CROSSING DATE	--- --- --- --- --- --- --- --- --- ---
CATTLE GUARD	--- --- --- --- --- --- --- --- --- ---
OVERHEAD (Highway Over)	--- --- --- --- --- --- --- --- --- ---
UNDERPASS (Highway Under)	--- --- --- --- --- --- --- --- --- ---
ADJUTMENT, WALL & PIER	--- --- --- --- --- --- --- --- --- ---
BRIDGE	--- --- --- --- --- --- --- --- --- ---
CULVERT	--- --- --- --- --- --- --- --- --- ---
BUILDING (One Story Frame)	--- --- --- --- --- --- --- --- --- ---
C-CONCRETE & STONE T-PILE B BRICK ST-STUCCO	--- --- --- --- --- --- --- --- --- ---
HEAD	--- --- --- --- --- --- --- --- --- ---
ROCK PILE	--- --- --- --- --- --- --- --- --- ---
STONE MONUMENT	--- --- --- --- --- --- --- --- --- ---
WOOD STAKE OR P-S	--- --- --- --- --- --- --- --- --- ---
WEAVER CORNER	--- --- --- --- --- --- --- --- --- ---

NOTE SECTION NUMBERS READ FROM THE SOUTH



STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS

CONSTRUCTION PLAN FOR GRADE & BITUMINOUS BASE

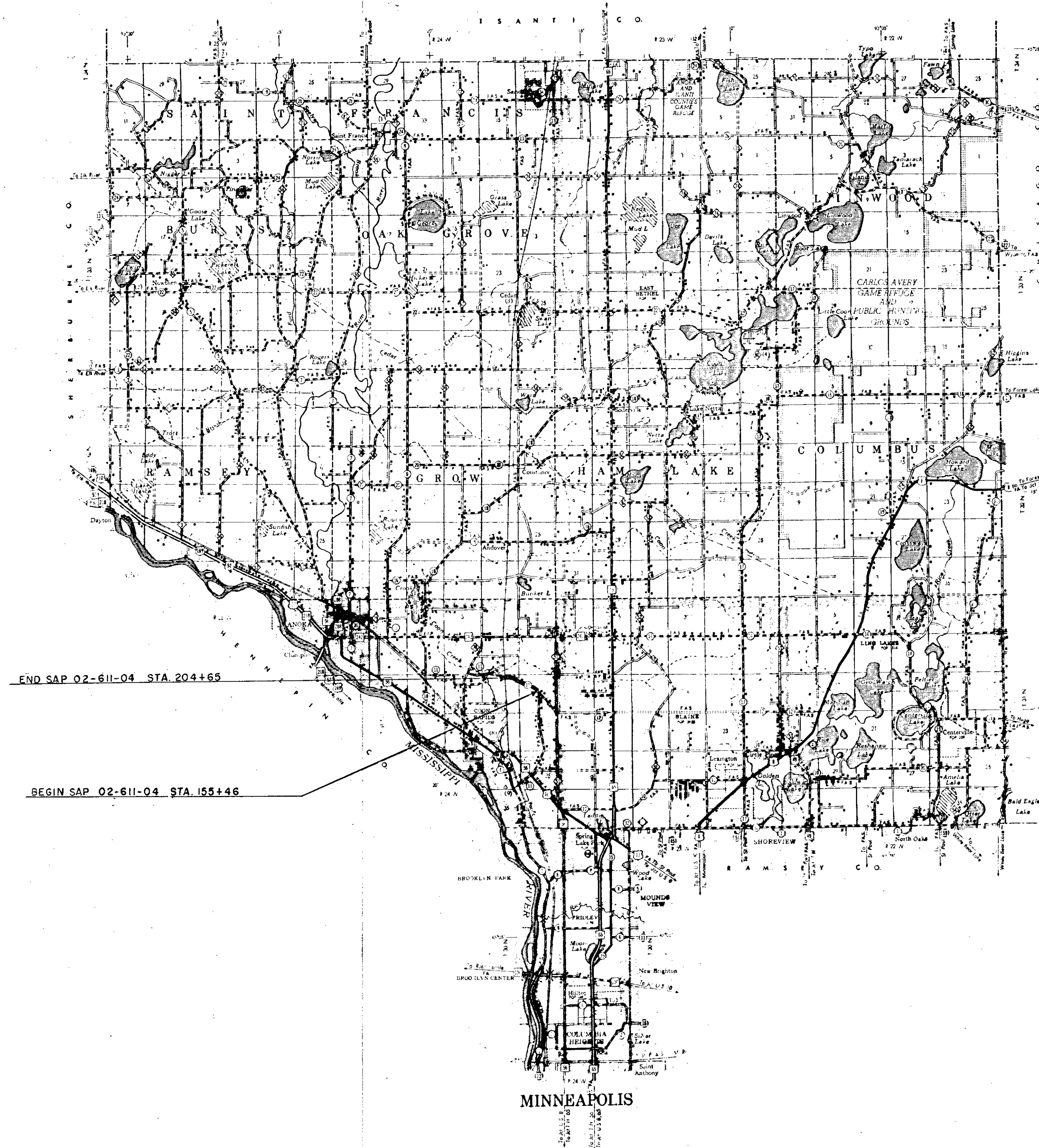
County State Aid Highway No. 11

BETWEEN FOLEY BLVD. IN THOMPSON PARK AND THE GREAT NORTHERN R.R. WEST OF THOMPSON PARK
From a point 431.9' NORTH OF CENTER SEC. 13, T31N, R24W To a point 371.7' SOUTH & 680' EAST OF THE N1/4 COR. SEC. 14, T31N, R24W.

GROSS LENGTH	4919 FEET	0.93 MILES
BRIDGES LENGTH	0 FEET	0 MILES
EXCEPTIONS LENGTH	0 FEET	0 MILES
NET LENGTH	4919 FEET	0.93 MILES

SCALES

Plan	1 inch = 100 Feet
PROFILE	Horz. 1 inch = 100 Feet, Vert. 1 inch = 10 Feet
WORKING PLANS	Horz. 1 inch = 100 Feet, Vert. 1 inch = 10 Feet
Cross-Section	1 inch = 10 FEET
LAYOUT	Scale 1 inch = Feet



INDEX OF SHEETS

- Sheet No. 1. Title Sheet & Layout Map
- " No. 2. Est. Quantities & Typical Sec.
- " No. 3. Plan & Profile
- " No. 4 To 8 Cross Sections

DESIGN SPEED 50 MILES PER HOUR
LOCALLY ZONED

ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH, IN THE CONSTRUCTION OF THIS PROJECT.

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.

Erving J. Lundholm COUNTY ENGINEER DATE 3-3-61
Anoka COUNTY REG. NO. 2551
 RECOMMENDED FOR APPROVAL *Edgar G. Pearson* 3-21 1961 DISTRICT ENGINEER
 RECOMMENDED FOR APPROVAL *J. D. McMillan* 3/24 1961
 APPROVED 3-21 1961 *W. H. ...* STATE AID ENGINEER

— SPECIFICATIONS —

THE "SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" DATED MAY 1, 1959, AND SUBMITTED FOR APPROVAL BY THE DIVISION ENGINEER OF THE BUREAU OF PUBLIC ROADS ON MARCH 26, 1959, SHALL GOVERN.

MICRO-FILMED

S.A.P. 02-611-04
State Project No.

SPECIFICATION NO.	ITEM	UNIT	ESTIMATED QUANTITIES		REG.
			MUNICIPAL	RURAL	TOTAL ESTIMATED QUANTITIES
2101.502	CLEARING	TREE			40
2101.507	GRUBBING	TREE			39
2104.506	REMOVE SIDEWALK (CONC)	SQ.YD			13
2104.510	REMOVE FENCE	LIN.FT			1109
557.621	RESET FENCE	LIN.FT			1109
2105.501	CLASS. A EXC	CU.YD			8204
2105.510	TOP SOIL COVER	CU.YD (VM)			287
2105.514	SALVAGE BIT. MIX. ON ROAD	CU.YD (VM)			2550
2130.501	WATER	M-GAL			29
2207.503	BIT. MATERIAL AC-1 (200-300 PEN.)	GAL			46,204
2207.503	BIT. MATERIAL FOR FOG (MC-0,1,2)	GAL			2,310
2207.512	BIT STAB. BASE. 4" THICK	SQ.YD			23,102
2356.505	BIT. MATERIAL FOR SEAL COAT. AC1 (20-150 PEN.)	GAL			5,776
2356.507	SEAL COAT. AGG	CU.YD. (VM)			206
2501.501	PIPE CULV. EXC.	CU.YD			35
506.601	CONSTRUCT CATCH BASIN DESIGN. 400-A	STRUCTURE			1
2506.516	FURNISH INSTALL CASTING ASSEMBLIES NO. 874, 876-C, F	ASSEMBLY			1
2501.511-15	FURNISH INSTALL 15" C.M.P. CULV	LIN. FT			64
2501.511-18	" " " " " " " " " " " "	LIN. FT			40
2506.511	RECONSTRUCT MANHOLES	LIN. FT			2
2521.521-18	FURNISH INSTALL 18" S.C.P. CULV.	LIN. FT			148
2515.541-18	" " " " " " " " " " " "	APRON			5
2574.501	ROAD SIDE SEEDING	ACRE			1.360
2575.501	SURFACE MULCH TYP. 1 (7)	TON			2
2575.506	" " " " " " 6 (7)	GALLON			200
2576.501	SODDING	SQ. YD.			4300
504.685	ADJ. WATER GATE HOUSING	ASSEMBLY			4

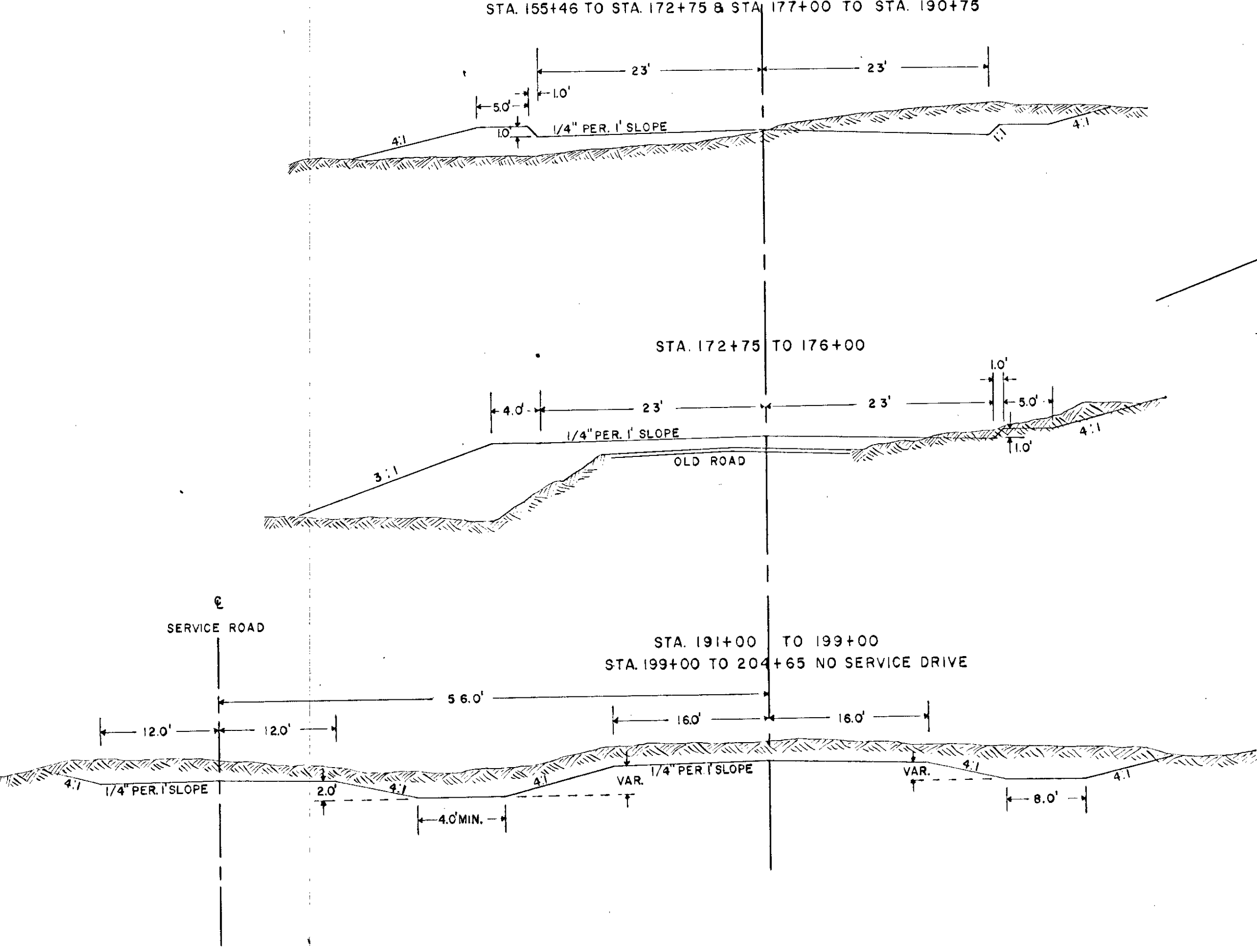
* COUNTY WILL FURNISH SEED.
 ** STA. 165+00 TO 191+00 SOD TOP OF BURM & OUTSLOPES
 *** A MINIMUM OF 3" TOPSOIL WILL BE REQUIRED PRIOR TO SODDING

STANDARD DETAIL PLATES

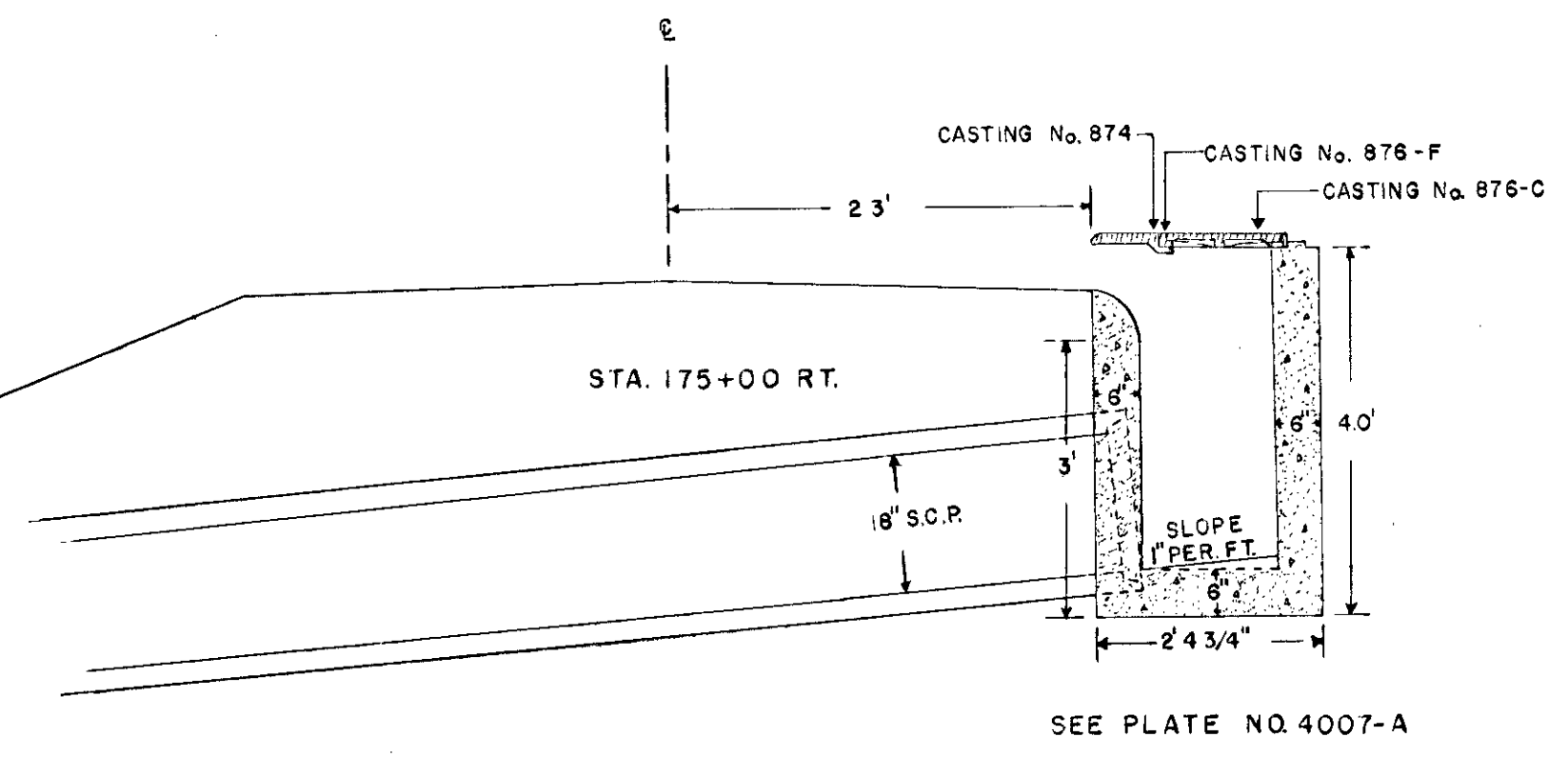
THE FOLLOWING STANDARD DETAIL PLATES, APPROVED BY THE BUREAU OF PUBLIC ROADS, SHALL APPLY ON THIS PROJECT.

PLATE NO.	DESCRIPTION
3000B	REINFORCED CONCRETE PIPE CLASS III
3102A	CONC. APRON FOR REINFORCED CONCRETE PIPE
8000A, 8001	STANDARD SIGNS & BARRICADES
8003, 8008A	" " " " " "
9000	APPROACHES & ENTRANCES

TYPICAL GRADING SECTIONS



SPECIAL DETAILS



ALL CURVES WILL BE SUPERELEVATED IN ACCORDANCE WITH DESIGN STANDARDS DURING CONSTRUCTION.
 WORKING AROUND UTILITY POLES STA. 155+46 TO STA. 191+00, WILL BE CONSIDERED INCIDENTAL TO CLASS A EXC.
 REMOVAL OF BIT. CURB WILL BE CONSIDERED INCIDENTAL TO SALVAGE BIT.

NOTE:
 ALL DIMENSIONS & SLOPES SHOWN ON TYPICAL SECTION ARE APPROXIMATE ONLY.

TYPICAL BASE & SURFACE SECTIONS

