

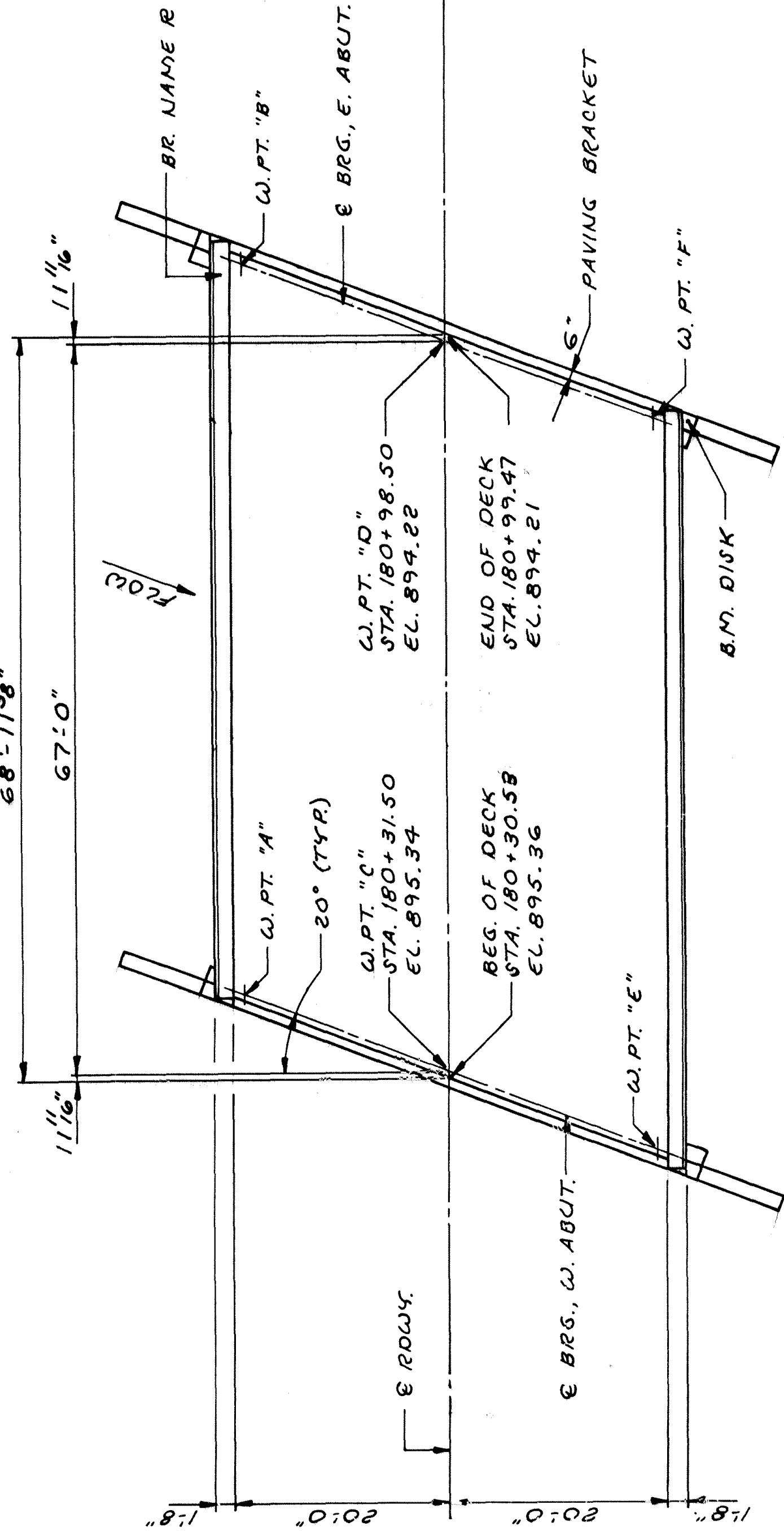
B.M. ELEV. 897.86 (M.S.L. 1929 ADJ.)
SPIKE IN B. OAK STA 183+70

DESIGN DATA

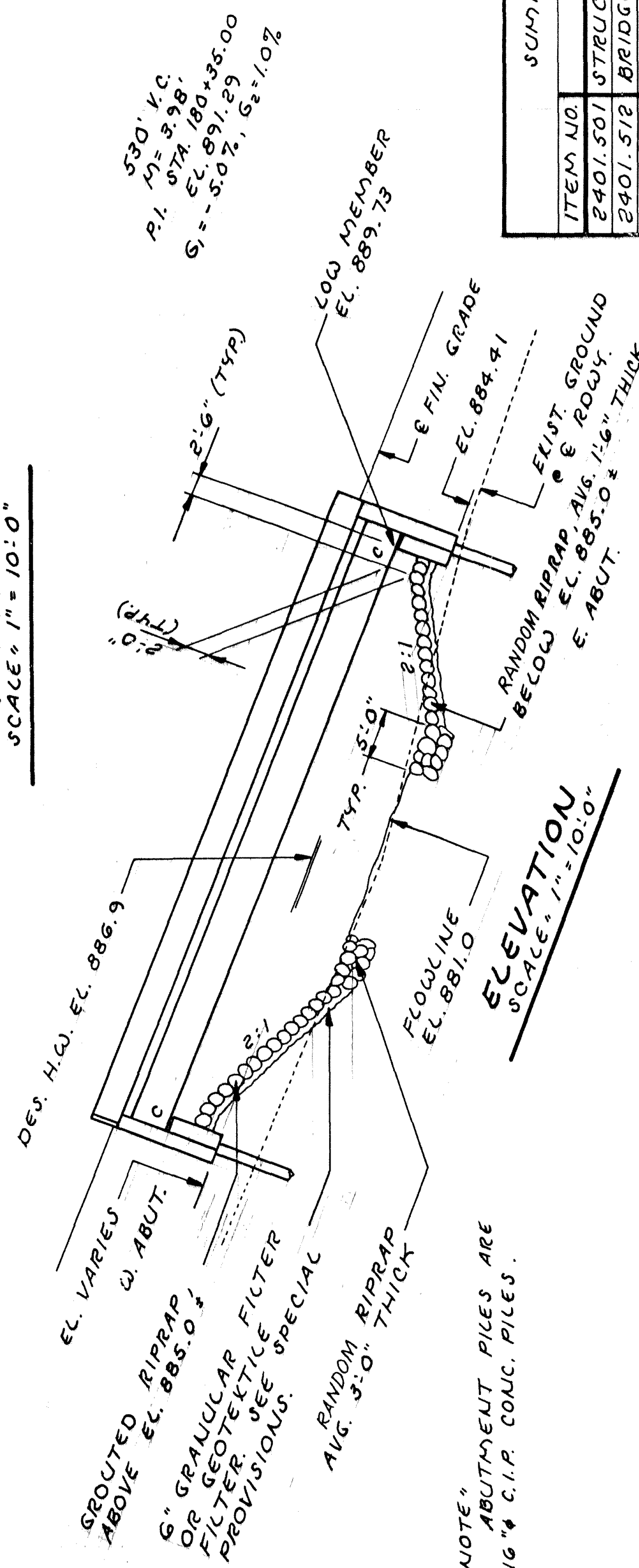
1983 INTERIM A.A.S.H.T.O. DESIGN SPECIFICATIONS
LOAD FACTOR DESIGN METHOD - HS 20 LOADING
INCLUDES 17 P.S.F. DEAD LOAD ALLOWANCE FOR
FUTURE WEARING COURSE MODIFICATIONS.
MAXIMUM ALLOWABLE DESIGN STRESSES -
REINFORCED CONCRETE -
FC = 4000 P.S.I. n=8
FY = 60000 P.S.I. REINFORCEMENT
PRESTRESSED CONCRETE -
FC = 6000 P.S.I. n=6
FS = 270000 P.S.I. STRANDS
STRUCTURAL STEEL -
FY = 36000 P.S.I. SPEC 3306
DECK AREA = 2988 SQ. FT.
A.D.T. = 1778 (PROV. 2006)

CONSTRUCTION NOTES

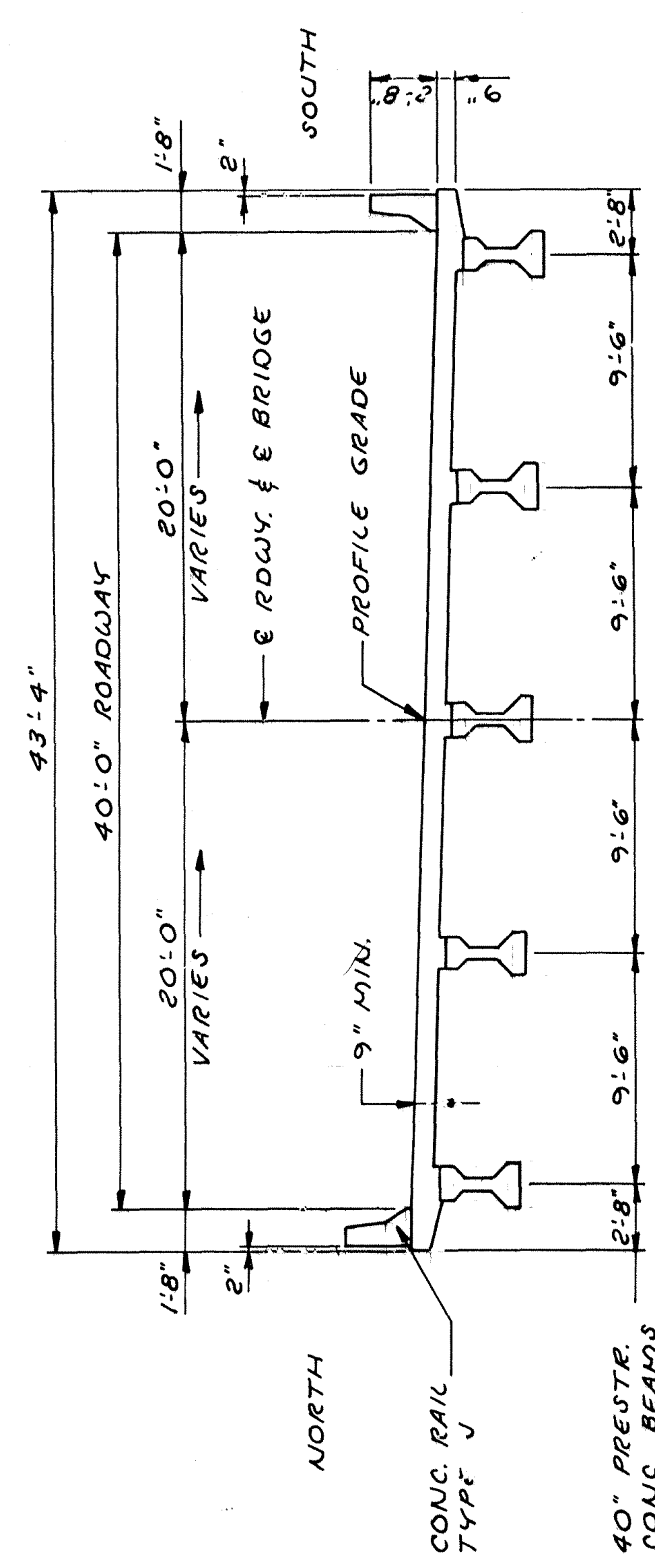
THE 1983 EDITION OF THE MINNESOTA DEPARTMENT
OF TRANSPORTATION "STANDARD SPECIFICATIONS
FOR CONSTRUCTION" SHALL GOVERN.
OF THE FIRST DIGIT OR THE FIRST TWO DIGITS
BE STARTED UNTIL THE APPROACH FILL AT THAT
ABUTMENT HAS BEEN CONSTRUCTED TO TOP OF
SUBGRADE



PLAN
SCALE: 1" = 10'-0"



ELEVATION
SCALE: 1" = 10'-0"



SECTION THRU DECK
SCALE: 3/16" = 1'-0"

SUMMARY OF QUANTITIES FOR THE ENTIRE BRIDGE

ITEM NO.	ITEM	QUANT.	UNIT
2401.501	STRUCTURE CONCRETE (3443)	90 (P)	CU. YD.
2401.512	BRIDGE SLAB CONCRETE (3153)	2988 (P)	SQ. FT.
2401.513	TYPE V RAILING CONCRETE (3146)	139 (P)	LI. FT.
2401.541	REINFORCEMENT BARS	17340 (P)	POUND
2402.521	STRUCTURAL STEEL (3306)	565 (P)	POUND
2405.501	PRESTRESSED CONCRETE BEAMS TYPE 40-69	5	EACH
2405.511	DIAPHRAGMS FOR TYPE 40 PRESTRESSED BEAMS	81 (P)	LI. FT.
0401.601	EXPANSION CURVED R BRG. ASSEMBLY, TYPE I	10	EACH
2511.501	RANDOM RIPRAP, C.I.III	160	CU. YD.
2402.526	FLOOR DRAIN, TYPE I	3	EACH
2402.501	REINFORCEMENT	1	LUMP SUM
2402.507	CAST-IN-PLACE CONCRETE PILING DELIVERED, 16"	380	LI. FT.
2452.519	CAST-IN-PLACE CONCRETE PILING DRIVEN, 16"	880	LI. FT.
0401.602	SLOPE PREPARATION	2	EACH
2401.541	REINFORCEMENT BARS (EPOXY COATED)	11490 (P)	POUND
2511.501	CROUTED RIPRAP	85	CU. YD.

LIST OF SHEETS

NO.	TITLE
51	GENERAL PLAN & ELEVATION
52	BRIDGE LAYOUT
53	ABUTMENT DETAILS
54	ABUTMENT REINFORCEMENT
55	SUPERSTRUCTURE DETAILS
56	SUPERSTRUCTURE DETAILS
57	CONCRETE RAILING TYPE V
57-62	40" PRESTRESSED CONCRETE BEAM
63	DETAILS
64	BRIDGE SURVEY - PLAN & PROFILE

APPROVED: *Paul K. Lund*
COUNTY ENGINEER
ANOKA COUNTY
DATE: 11/6/86
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.
Robert L. Jennings
REG. NO. 6927
DATE: 10-21-86

PLANS PREPARED BY:
EE
ERICKSON ENGINEERING
3340 REPUBLIC AVENUE
ST. LOUIS PARK, MN. 55416
C.S.A.H. 22 ANOKA COUNTY
MINNESOTA DEPARTMENT
OF TRANSPORTATION

BRIDGE NO. 02548
0.38 MILES WEST OF T.H. 47 ON
PROPOSED C.S.A.H. 22 OVER FORD
BROOK
67' PRESTR. CONCRETE BEAM SPAN
40' ROADWAY - 20' SKEW
SPAN IDENT. NO. 501
**GENERAL PLAN
& ELEVATION**
SEC. 23 TWP. 33N R.25W
BURNS TOWNSHIP
ANOKA COUNTY
APPROVED: *Donald M. Manning*
5-6-87
BRIDGE ENGINEER