STATE	PROJ. NO.	PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
GA	BA(4) PR 378-B(2)		58	7	29

BRIDGE CONSISTS OF

2 - 40'-0" CONCRETE "T" BEAM TYPE END SPANS ---------- GEORGIA STANDARD NO.3558 A AND B (MODIFIED FOR SKEW)
1 - 40'-0" CONCRETE "T" BEAM TYPE INTERMEDIATE SPAN --- GEORGIA STANDARD NO.3558 A AND B (MODIFIED FOR SKEW)
2 - STEEL "H" PILE END BENTS ---------- SPECIAL DESIGN
2 - STEEL "H" PILE INTERMEDIATE BENTS ---------- SPECIAL DESIGN
CONCRETE HANDRAILING ---------- GEORGIA STANDARD NO.3616 (MODIFIED)

DRAINAGE DATA

DRAINAGE AREA ---------- 30.57 SQUARE MILES
AREA OF OPENING UNDER HIGHWATER ---------- 656 SQUARE FEET

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD.
ALL POURED IN PLACE CONCRETE SHALL BE CLASS "A". FOR OTHER CONCRETE SEE SPECIAL PROVISIONS.
COST OF ANY EXCAVATION NECESSARY FOR END BENT CONSTRUCTION SHALL BE INCLUDED IN PRICE BID FOR CLASS "A" CONCRETE.
CHAMFER ALL EXPOSED EDGES $\frac{3}{4}$" UNLESS NOTED. ALL CHAMFERS SHALL BE FORMED WITH MILL CUT AND DRESSED CHAMFER STRIPS.
FOR PAINTING OF PILES SEE SPECIAL PROVISIONS.
DRIVE ONE STEEL "H" TEST PILE AT BENT 1, ONE STEEL "H" TEST PILE AT BENT 2, AND ONE STEEL "H" TEST PILE AT BENT 4. ESTIMATED TEST PILE LENGTH IS 35'.
TEST PILES SHALL BE DRIVEN TO REMAIN IN PLACE AS PERMANENT PILES.
DRIVE ALL PILES TO ROCK IF ROCK CAN BE REACHED WITH REASONABLE PILE LENGTHS. IF NOT, DRIVE TO BEARING CAPACITY SHOWN ON SUBSTRUCTURE DETAIL SHEET.
ROADWAY SURFACE, CURBS AND HANDRAILING SHALL CONFORM TO TRUE LINE AND GRADE. POSTS SHALL BE VERTICAL AND RAILS PLACED ON CHORDS BETWEEN POSTS.
REQUIRED HOT DIPPED GALVANIZED INDIVIDUAL HIGH CHAIRS AT 4' MAX. ON CENTERS TO GIVE $1\frac{1}{2}$" MAX. AND $1\frac{3}{8}$" MIN. TOP CLEARANCE FOR MAIN SLAB STEEL.
FOR OTHER GENERAL NOTES SEE GEORGIA STANDARDS NO.3558 A AND B (MODIFIED FOR SKEW), NO.3616 (MODIFIED FOR 3'-9" END POST), AND SPECIAL PROVISIONS.

SUMMARY OF QUANTITIES

LUMP	SUPERSTRUCTURE COMPLETE
27.67	CU. YDS. CLASS "A" CONCRETE
3109	LBS. BAR REINFORCEMENT STEEL
450	LIN. FT. STEEL "H" PILING (12 BP 53)
3	EACH STEEL "H" TEST PILES (12 BP 53)
1	EACH LOADING TEST (IF REQUIRED)
0.220	ACRES CLEARING AND GRUBBING BRIDGE SITE (LUMP SUM)
630	SQ. YDS. SAND CEMENT RIP RAP
	OR
315	TONS STONE PLAIN RIP RAP
LUMP	REMOVAL OF EXISTING BRIDGE

DESIGN DATA

SPECIFICATIONS - A.A.S.H.O., 1953
TYPICAL H15 LOADING - IMPACT ALLOWED.
FUTURE PAVING ALLOWANCE - 15 LBS. PER SQ. FT.

STATE HIGHWAY DEPARTMENT OF GEORGIA
BRIDGE DEPARTMENT

PLAN AND ELEVATION
BRIDGE OVER DUCK CREEK
STA. 18+75.00 TO STA. 19+95.00
WALKER COUNTY B.A.(4)P.R.378 B(2)

SCALE: 1" = 10'-0" EXCEPT AS NOTED OCTOBER 1958

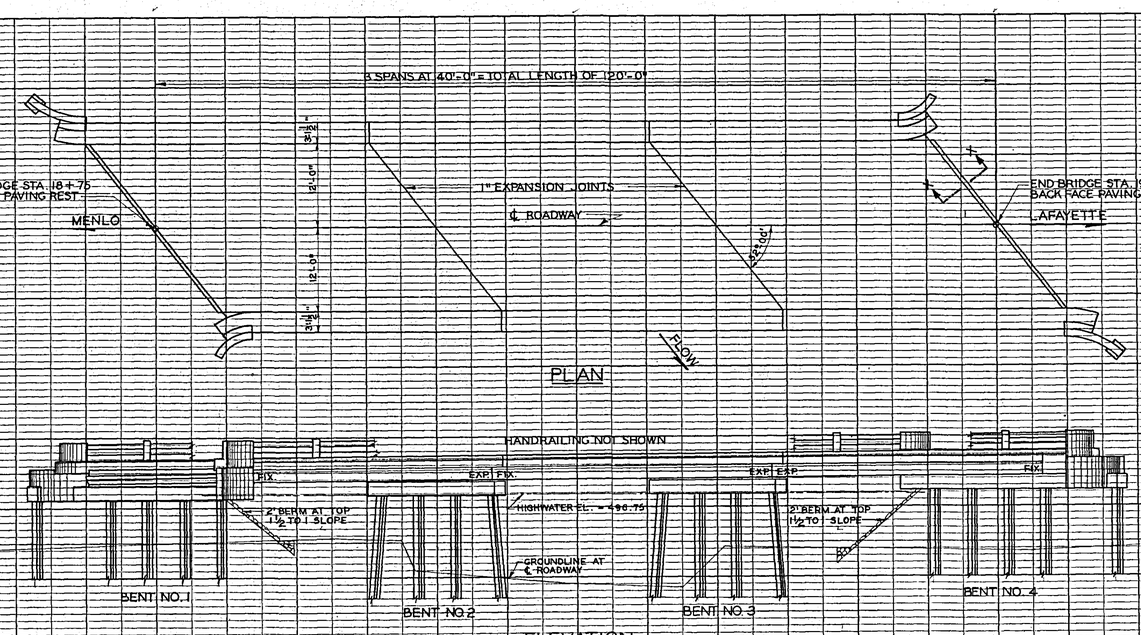
DESIGNED G.A.W. TRACED T.R. REVIEWED R.K.J.
DRAWN F.J.K. CHECKED L.R.P. APPROVED

P.V.I. STA. 19+00
ELEV. 502.27

+0.50%
+1.325%
600' VERTICAL CURVE

VERTICAL CURVE DATA
NO SCALE

FINISH GRADE ELEV. AT ℄ BRIDGE		
LOCATION	STATION	ELEVATION
B.F.P.R. BENT NO. 1	18+75	501.42
℄ BENT NO. 2	19+15	501.79
℄ BENT NO. 3	19+55	502.13
B.F.P.R. BENT NO. 4	19+95	502.46



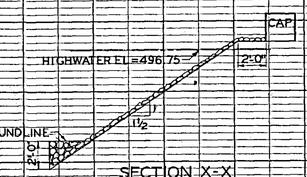


PLATE 1 - PLAN - PROFILE O.P.R. & R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

B.A.F. Eng. No. 347.16

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED. NOTE BOOK NO. BY DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, G. & H. NOTED, STRUCTURE NOTATIONS CHTKD. NOTE BOOK NO. BY DATE