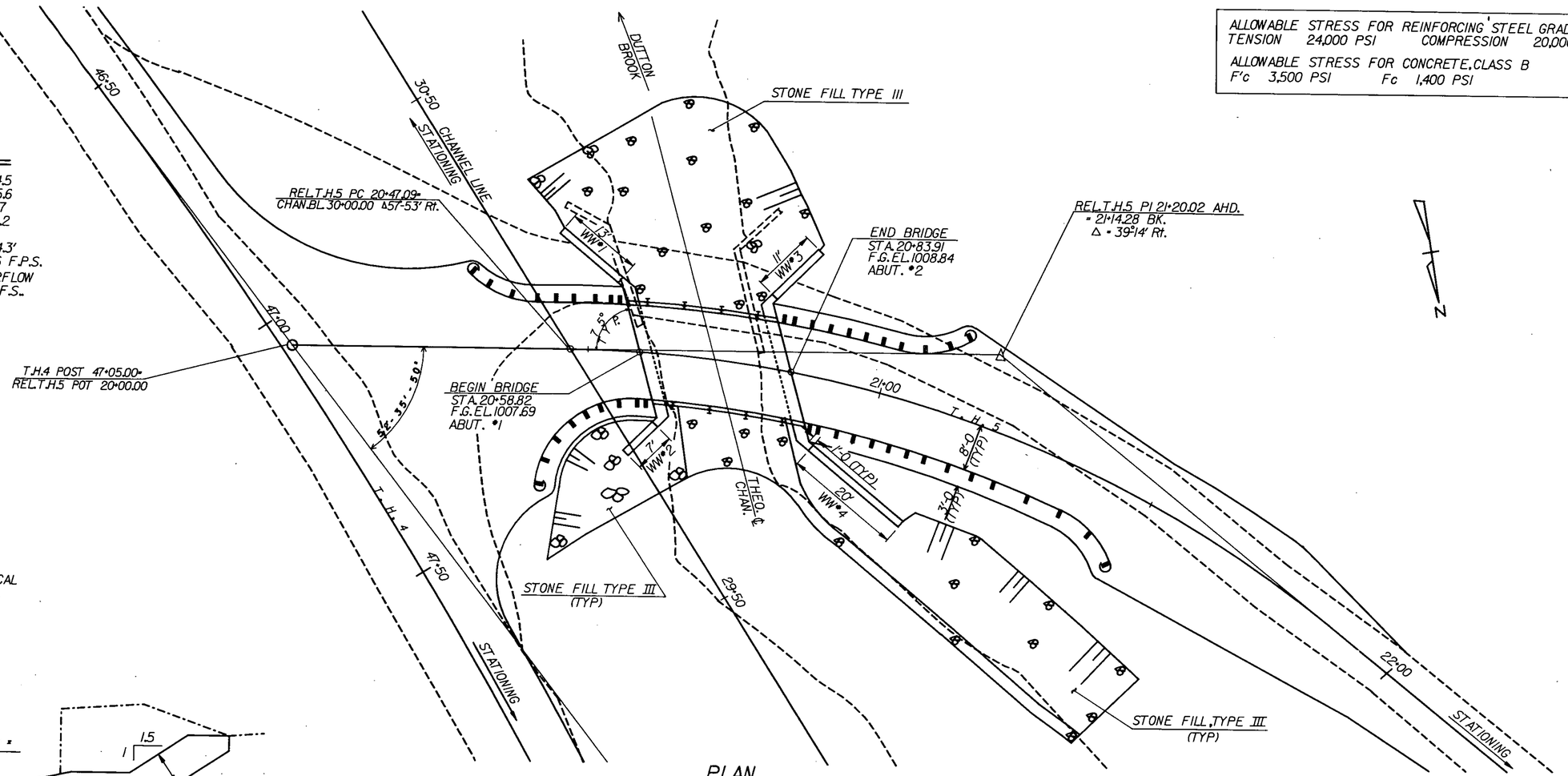
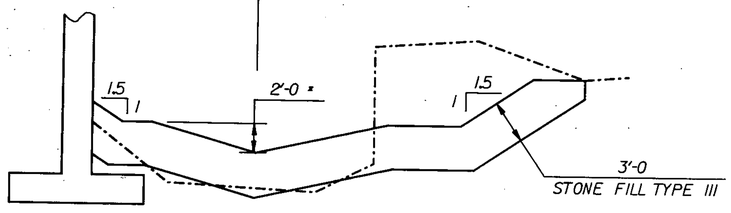
HYDRAULIC DATA

Q10=750 CFS H.W. EL.=1004.5
Q25=1000 CFS H.W. EL.=1005.6
Q50=1250 CFS H.W. EL. 1006.7
Q100=1500 CFS H.W. EL. 1007.2
DRAINAGE AREA = 14.9 SQ. MI.
TAILWATER DEPTH @ Q25 = 4.3'
OUTLET VELOCITY @ Q25 = 11.6 F.P.S.
THE ROADWAY WILL NOT OVERFLOW UNTIL A Q40 OR ABOUT 1150C.F.S.

ALLOWABLE STRESS FOR REINFORCING STEEL GRADE 60
TENSION 24,000 PSI COMPRESSION 20,000 PSI
ALLOWABLE STRESS FOR CONCRETE, CLASS B
F'c 3,500 PSI Fc 1,400 PSI

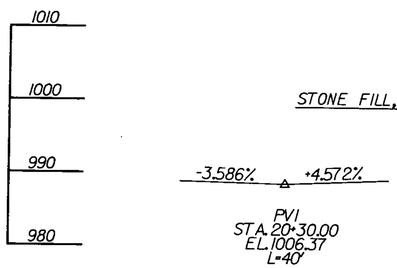


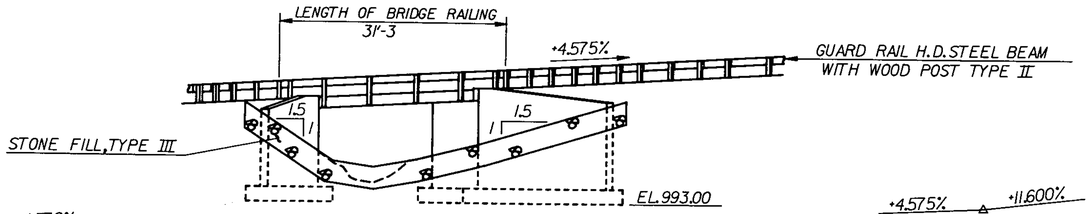
PLAN
SCALE 1"=10'-0



TYPICAL CHANNEL SECTION
Scale 1"=5'-0

* 2'-0 DIMENSION IS SET @ CHANNEL STATION 30+00. MATCH INTO EXISTING CHANNEL ELEVATION AT STONE FILL LIMITS.





ELEVATION @ NORTH FASCIA
Scale 1"=10'-0

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of MAIDSTONE	Bridge No. 6
Highway No. T. H. 5	Log Sta. / Surv. Sta.
PLAN AND ELEVATION T.H. 5 OVER DUTTON BROOK	
Designed By G. SPILAK	Drawn By D. WILLEY
Checked By J. POTTER Date 3-84	Bridge Design Supervisor R. S. HAUPT Date 3-84
PROJECT MAIDSTONE	PROJECT NO. BRZ 1447 (4)
L.G.C. Info. QSAN:I 30,25,163C225PE.DGN	
Bridge Sheet No.	Sheet 8 of 31

BR-6