

5/14/99

DITCH LEGEND LEFT DITCH - - - - - RIGHT DITCH - - - - -	PROJECT REFERENCE NO. B-3646	SHEET NO. 5
	ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER

-L-

BM#1
R/R SPIKE IN 18" OAK 87.38' RT.
OF -L- STA. 10+50.25
ELEV.= 663.59' N 900145 E 1838647

BM#2
R/R SPIKE IN 13" OAK 46.01' RT.
OF -L- STA. 15+51.88
ELEV.= 625.43' N 900255 E 1839049

DESIGN EXCEPTION REQUIRED TO REDUCE
DESIGN SPEED FROM 60 MPH TO 25 MPH.

STRUCTURE HYDRAULIC DATA

DESIGN DISCHARGE = 2000 CFS
DESIGN FREQUENCY = <2 YRS
DESIGN HW ELEVATION = 620.0 FT
BASE DISCHARGE = 14500 CFS
BASE FREQUENCY = 100 YRS
BASE HW ELEVATION = 634.3 FT
OVERTOPPING DISCHARGE = 2000 CFS
OVERTOPPING FREQUENCY = <2 YRS
OVERTOPPING ELEVATION = 619.9 FT

PROPOSED 21" CORED SLAB BRIDGE
2 SPANS @ 45'
1 SPAN @ 40'
SKEW = 110° 00' 00"
CL -L- STA. 16+45.00

PI = 12+00.00
EL = 650.10'
VC = 100'
K = 87
45 MPH

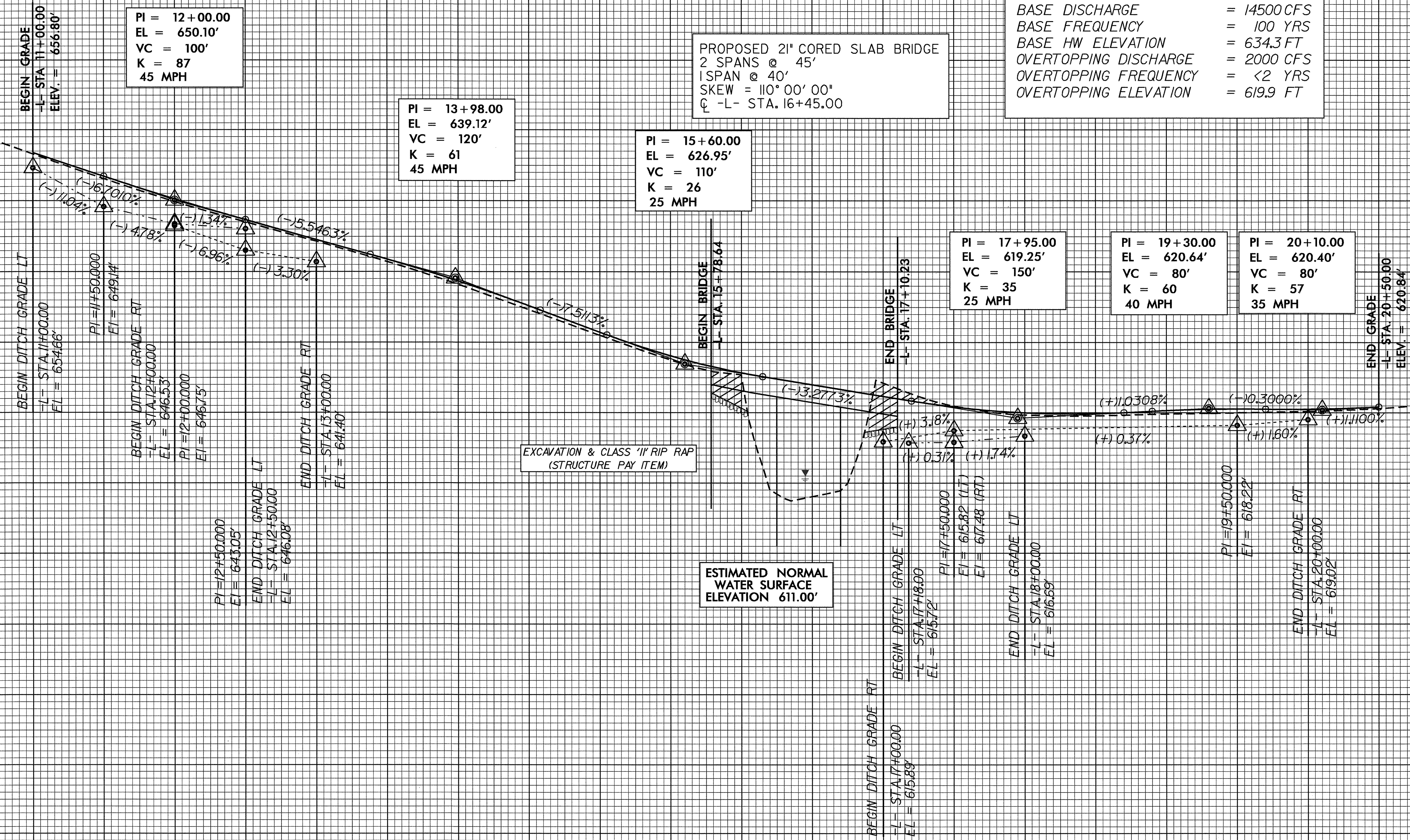
PI = 13+98.00
EL = 639.12'
VC = 120'
K = 61
45 MPH

PI = 15+60.00
EL = 626.95'
VC = 110'
K = 26
25 MPH

PI = 17+95.00
EL = 619.25'
VC = 150'
K = 35
25 MPH

PI = 19+30.00
EL = 620.64'
VC = 80'
K = 60
40 MPH

PI = 20+10.00
EL = 620.40'
VC = 80'
K = 57
35 MPH



EXCAVATION & CLASS '1' RIP RAP
(STRUCTURE PAY ITEM)

ESTIMATED NORMAL
WATER SURFACE
ELEVATION 611.00'

FOR -L- PLAN VIEW
SEE SHEET 4

FOR STRUCTURE PLANS
SEE SHEETS S-1 THRU S-28

15 JUN 2004 12:22
R:\Roadway\B3646_RDY_PFL.DGN
DDKlein AT RD 35157