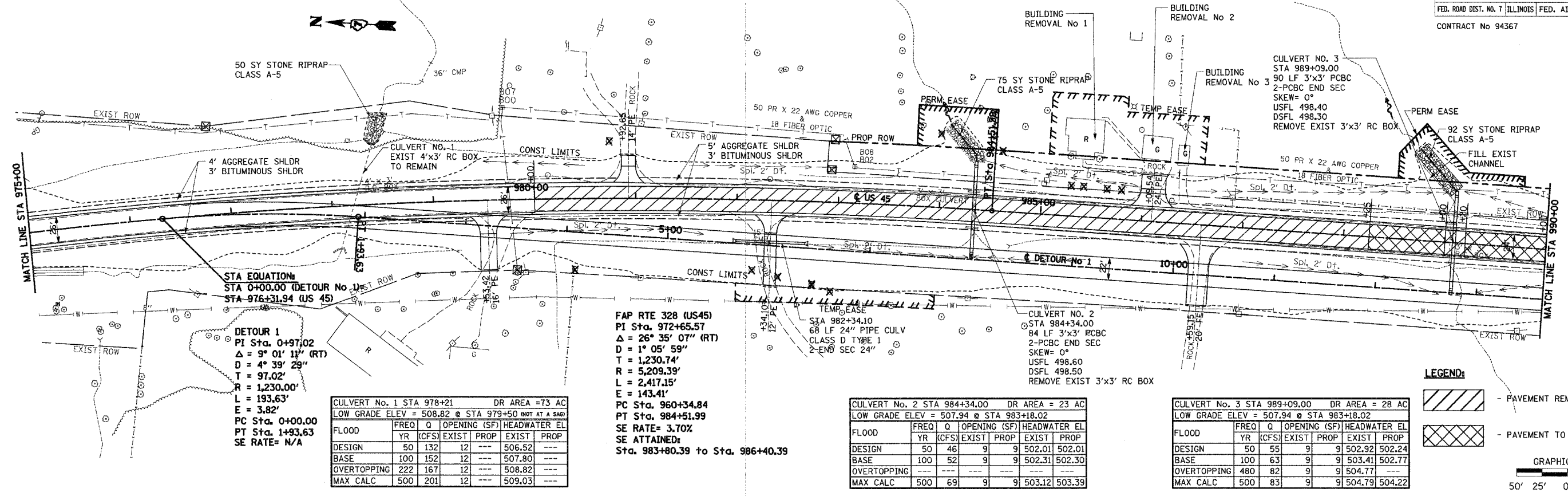


PLAN
 SURVEYED BY: []
 PLOTTED BY: []
 CHECKED BY: []
 DATE: 04/06

PROFILE
 SURVEYED BY: []
 PLOTTED BY: []
 CHECKED BY: []
 DATE: []



STA EQUATION
 STA 0+00.00 (DETOUR No. 1)
 STA 976+31.94 (US 45)

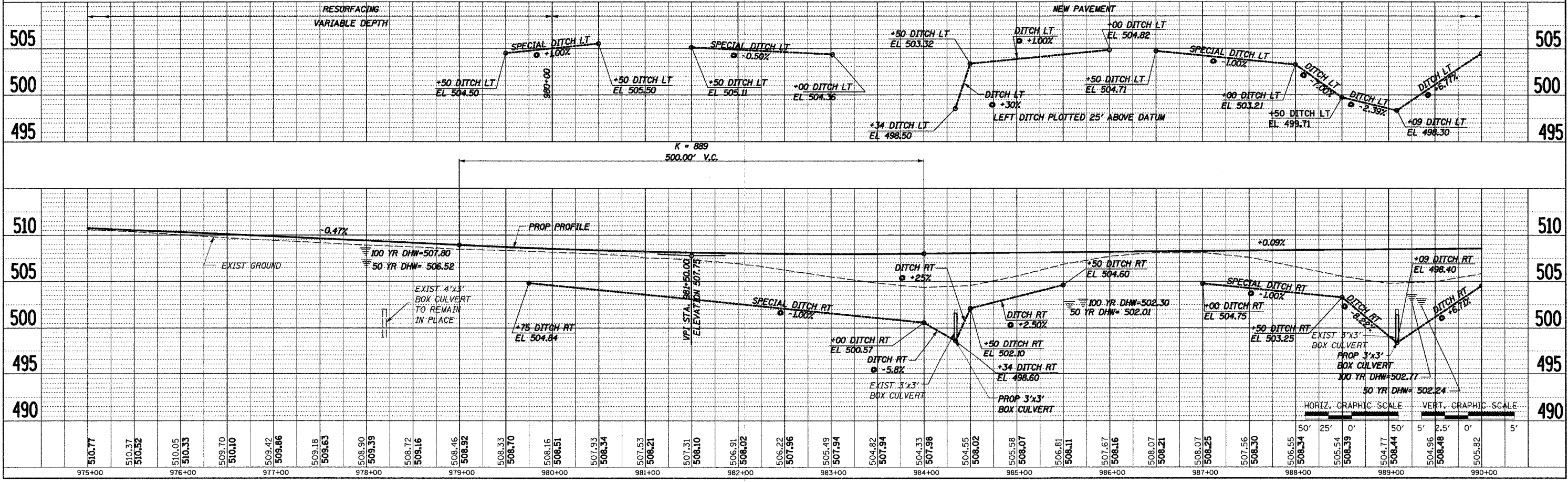
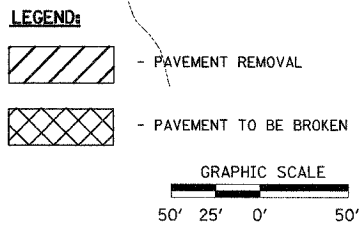
DETOUR 1
 PI Sta. 0+97.02
 $\Delta = 9^\circ 01' 11''$ (RT)
 $D = 4^\circ 39' 29''$
 $T = 97.02'$
 $R = 1,230.00'$
 $L = 193.63'$
 $E = 3.82'$
 PC Sta. 0+00.00
 PT Sta. 1+93.63
 SE RATE = N/A

CULVERT No. 1 STA 978+21		DR AREA = 73 AC				
LOW GRADE ELEV = 508.82 @ STA 979+50 (NOT AT A SAG)						
FLOOD	FREQ	Q	OPENING (SF)	HEADWATER EL		
	YR	(CFS)	EXIST	PROP	EXIST	PROP
DESIGN	50	132	12	---	506.52	---
BASE	100	152	12	---	507.80	---
OVERTOPPING	222	167	12	---	508.82	---
MAX CALC	500	201	12	---	509.03	---

FAP RTE 328 (US45)
 PI Sta. 972+65.57
 $\Delta = 26^\circ 35' 07''$ (RT)
 $D = 1^\circ 05' 59''$
 $T = 1,230.74'$
 $R = 5,209.39'$
 $L = 2,417.15'$
 $E = 143.41'$
 PC Sta. 960+34.84
 PT Sta. 984+51.99
 SE RATE = 3.70%
 SE ATTAINED:
 Sta. 983+80.39 to Sta. 986+40.39

CULVERT No. 2 STA 984+34.00		DR AREA = 23 AC				
LOW GRADE ELEV = 507.94 @ STA 983+18.02						
FLOOD	FREQ	Q	OPENING (SF)	HEADWATER EL		
	YR	(CFS)	EXIST	PROP	EXIST	PROP
DESIGN	50	46	9	9	502.01	502.01
BASE	100	52	9	9	502.31	502.30
OVERTOPPING	---	---	---	---	---	---
MAX CALC	500	69	9	9	503.12	503.39

CULVERT No. 3 STA 989+09.00		DR AREA = 28 AC				
LOW GRADE ELEV = 507.94 @ STA 983+18.02						
FLOOD	FREQ	Q	OPENING (SF)	HEADWATER EL		
	YR	(CFS)	EXIST	PROP	EXIST	PROP
DESIGN	50	55	9	9	502.92	502.24
BASE	100	63	9	9	503.41	502.77
OVERTOPPING	480	82	9	9	504.77	---
MAX CALC	500	83	9	9	504.79	504.22



STA 975+00 TO STA 990+00