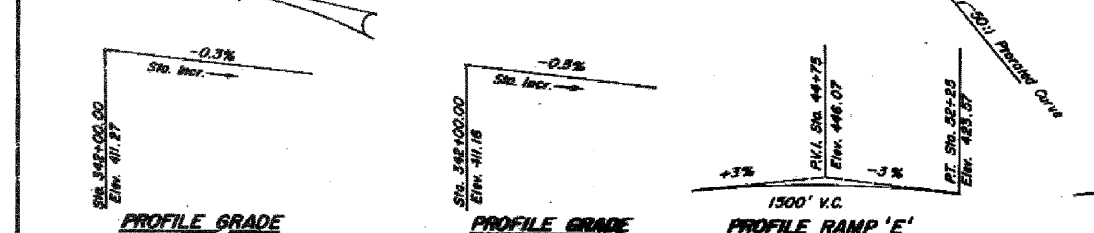
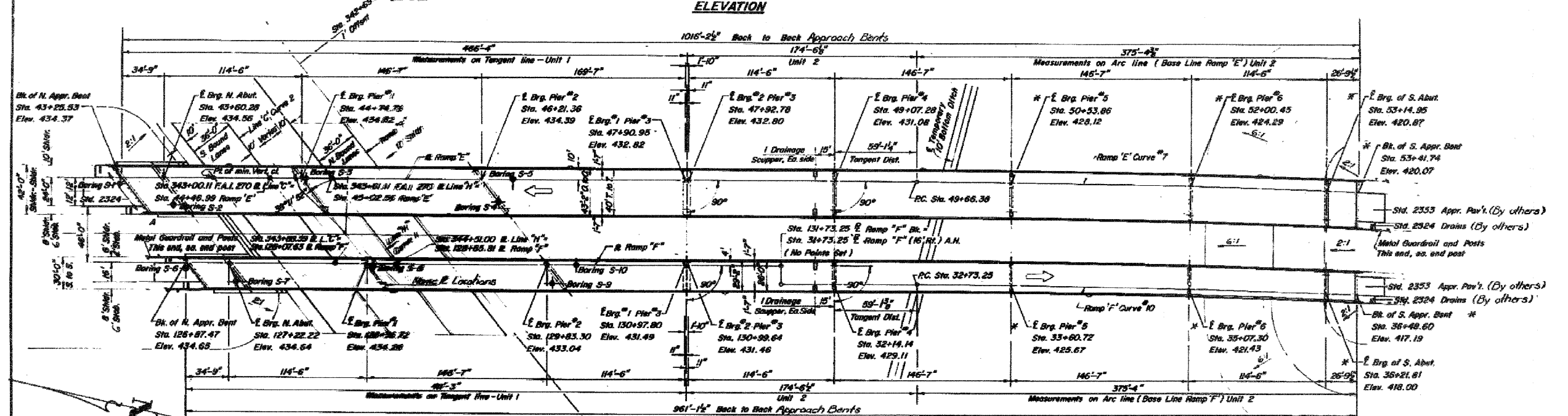
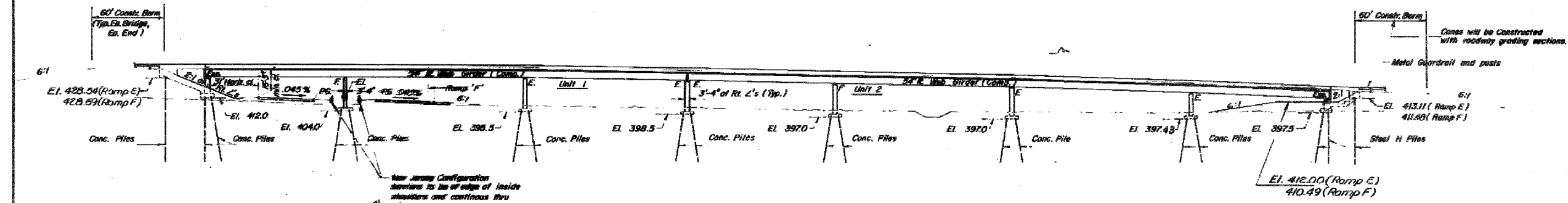


B.M. Nail Head spike in south face 36" Cottonwood Tree.  
 Benchmark TBM A-20 Station 338+92 Rt. 525' Elev. 409.99

No Existing Structure.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DATE	REVISION	BY	NO.	SHEET NO.	SHEETS
11-25-82	1	St. Clair	83	15	69



**HORIZONTAL CURVE DATA**

Line 'H' Curve #1	Line 'C' Curve #2	Line 'E' Curve #7	Line 'F' Curve #10
PI = 347+59.77	PI = 347+85.87	PI = 59+18.60	PI = 34+73.98
Δ = 45° 43' 12"	Δ = 45° 43' 12"	Δ = 53° 00' 00"	Δ = 12° 00' 00"
D = 1° 30' 00"	D = 1° 30' 00"	D = 3° 00' 00"	D = 3° 00' 00"
R = 3819.72'	R = 3819.72'	T = 952.22'	T = 200.73'
T = 1610.37'	T = 1610.37'	R = 1909.86'	R = 1909.86'
L = 3048.00'	L = 3048.00'	L = 1766.67'	L = 400.00'
E = 325.59' S.E. = 0.45%	E = 325.59' S.E. = 0.45%	E = 224.22' S.E. = 0.52%	E = 10.52' S.E. = 0.52%

Sta. 49+58.38 to Sta. 50+20.38  
 Sta. 131+73.25 to Sta. 33+23.25  
 Range 10 W 3<sup>rd</sup> P.M.

DESIGNED: Rick Brunette  
 CHECKED: Jim Komour  
 DRAWN: [Signature]  
 CHECKED: J.K.

EXAMINED: [Signature]  
 PASSED: [Signature]  
 APPROVED: [Signature]

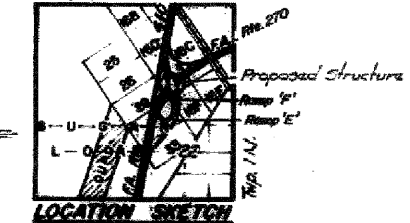


**DESIGN STRESSES**

$f_c = 3500$  p.s.i.  
 $f_y = 60,000$  p.s.i. (Reinforcement)  
 $f_s = 27,000$  p.s.i. (M23 Grade 50)  
 $f_b = 30,000$  p.s.i. (M183)

**LOADING HS 20-44**

Allow 25 lbs./sq. ft. for future wearing surfaces.  
 Design Specifications: 1977 AASHTO; 1978 and 1979 Interim Specifications, as applicable.  
 Epoxy Coated reinforcement bars shall be used in top layer of deck slab.



**GENERAL PLAN**  
 FAL Rte. 410, Ramps 'E' & 'F' Over FAL 270  
 FAL Rte. 270, Sec. 8E-714B  
 ST. CLAIR COUNTY  
 Sta. 343+61.8 (FAL Rte. 270)

FOR INFORMATION ONLY

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLANS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -			255	82-7HB-1	ST. CLAIR	43	24
PLOT SCALE = #SCALE#		CHECKED -	REVISED -			SCALE: NA	SHEET NO. 1 OF 20 SHEETS	STA.	TO STA.	CONTRACT NO. 76C33
PLOT DATE = #DATE#		DATE	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			