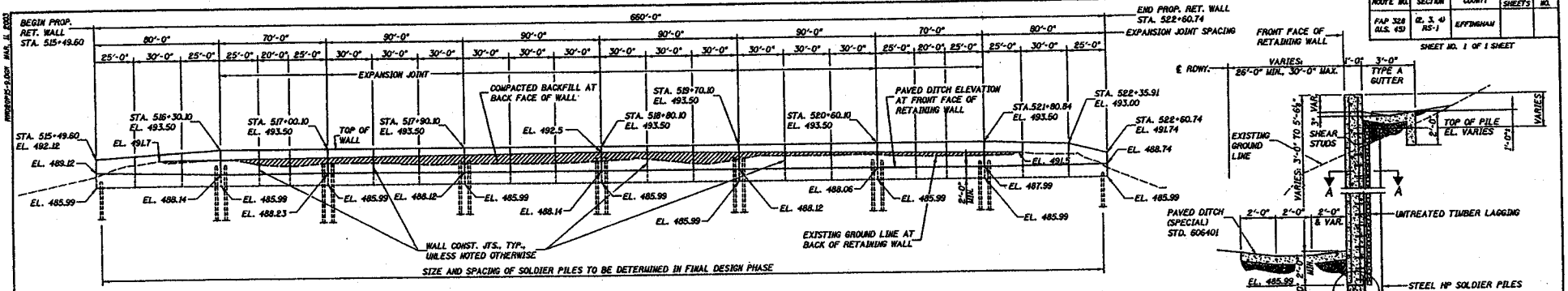
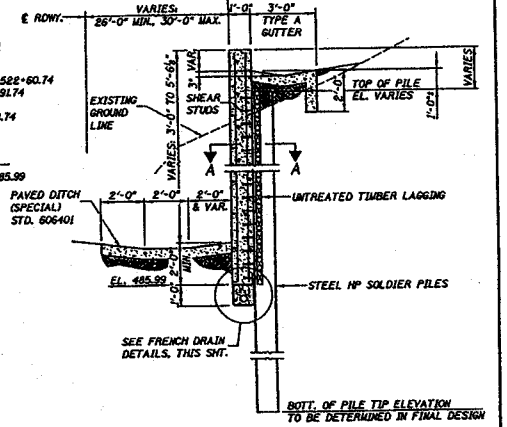
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 328 (U.S. 45)	(2, 3, 4) RS-1	EFFINGHAM		

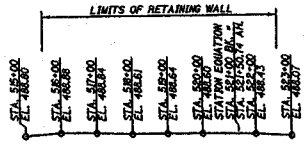
SHEET NO. 1 OF 1 SHEET



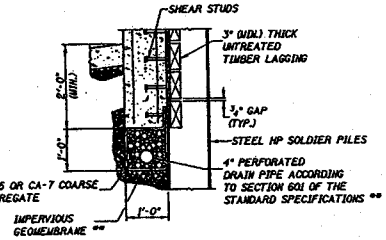
ELEVATION - FRONT FACE RETAINING WALL
(LOOKING EAST)



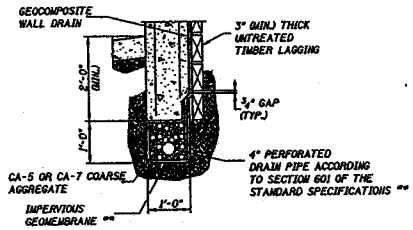
BENCHMARK: IDOT TBM 56
CHISELED SQUARE, TOP SOUTH HEADWALL
SIDE ROAD CULVERT
STA. 523+53.66, 23.34' RT.
EL. 482.15



PROFILE GRADE - F.A.P. 328
(SEE ROADWAY PLANS)

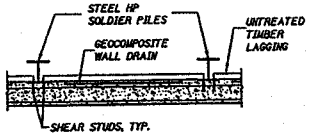


AT SOLDIER PILES

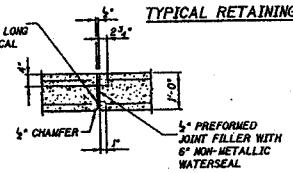


BETWEEN SOLDIER PILES

FRENCH DRAIN DETAILS
** COST INCLUDED WITH "FRENCH DRAINS".

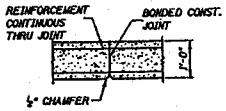


SECTION A-A
SPECIFIC PILE TIP ELEVATIONS, SECTION MODULUS AND PILE SIZE AND SPACING TO BE DETERMINED IN FINAL DESIGN.



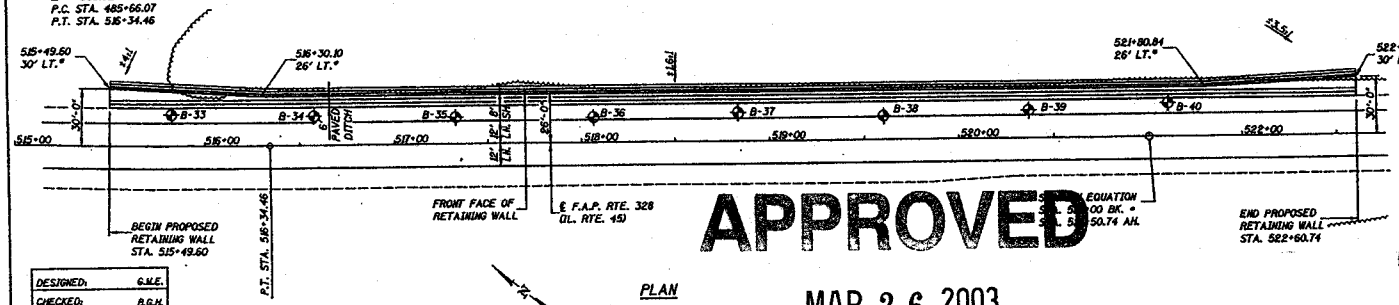
TYPICAL RETAINING WALL SECTION

WALL EXPANSION JOINT



WALL CONSTRUCTION JOINT

CURVE DATA
P.I. STA. 501+92.87
Δ = 47°05'15" (LT.)
D = 1°32'05"
R = 3,733.59'
T = 1,626.80'
L = 3,068.39'
E = 339.02'
P.C. STA. 485+66.07
P.T. STA. 516+34.46

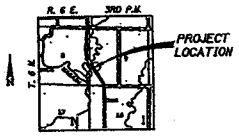


PLAN

* OFFSETS GIVEN TO FRONT FACE OF RETAINING WALL

HIGHWAY CLASSIFICATION
F.A.P. 328 (IL. RTE. 45)
CLASSIFICATION ..... RURAL PRINCIPAL ARTERIAL
ADT 2,550 (1995), 3,876 (2020)
DHV 306 (1995), 465 (2020)
DESIGN SPEED ..... 60 mph
POSTED SPEED ..... 55 mph

DESIGN SPECIFICATIONS
1996 AASHTO WITH INTERIMS THRU 2002
DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (REINF.)
fy = 36,000 psi (A270, GRADE 36 SOLDIER PILES)



LOCATION SKETCH

DESIGNED:	G.W.E.
CHECKED:	B.G.H.
DRAWN:	K.H.L.
CHECKED:	B.G.H.

GENERAL PLAN
RETAINING WALL
ALONG U.S. ROUTE 45
F.A.P. RTE. 328
SECTION (2, 3, 4) RS-1
EFFINGHAM COUNTY
STA. 515+49.60 TO 522+60.74
S.N. 025-W002

APPROVED
MAR 26 2003

AS A BASIS FOR
PREPARATION OF DETAILED PLANS