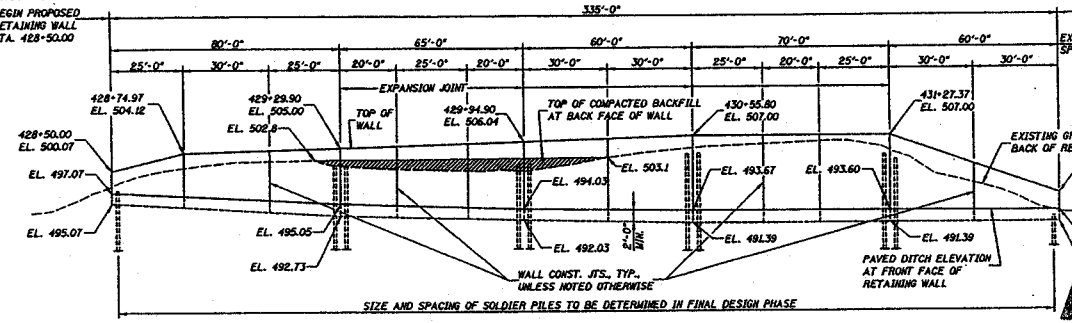
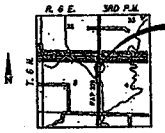
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 328 (U.S. 45)	(2, 3, 4) RS-1	EFFINGHAM		

SHEET NO. 1 OF 1 SHEET

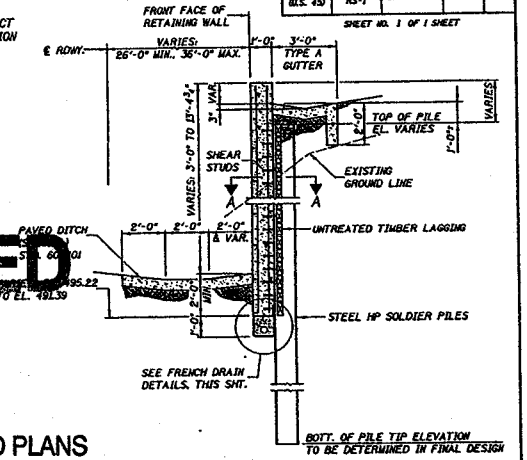


ELEVATION - FRONT FACE RETAINING WALL

(LOOKING EAST)



LOCATION SKETCH



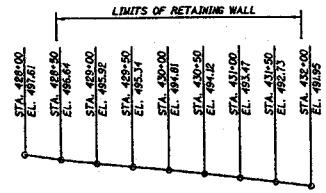
TYPICAL RETAINING WALL SECTION

APPROVED

MAR 26 2003

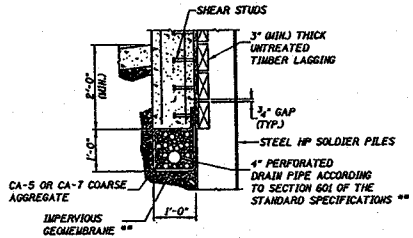
AS A BASIS FOR PREPARATION OF DETAILED PLANS

BENCHMARK: IDOT TBM 64
CHISELED SQUARE, EAST HEADWALL
STA. 424+74.60, 18.28' LT.
EL. 506.77

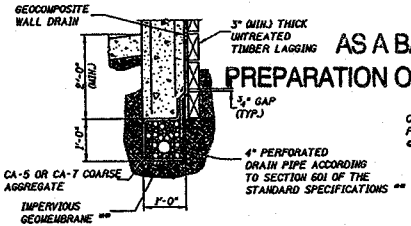


PROFILE GRADE - F.A.P. 328

(SEE ROADWAY PLANS)



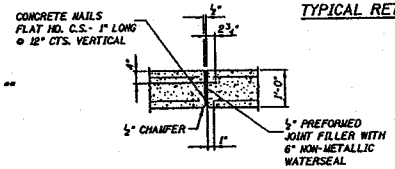
AT SOLDIER PILES



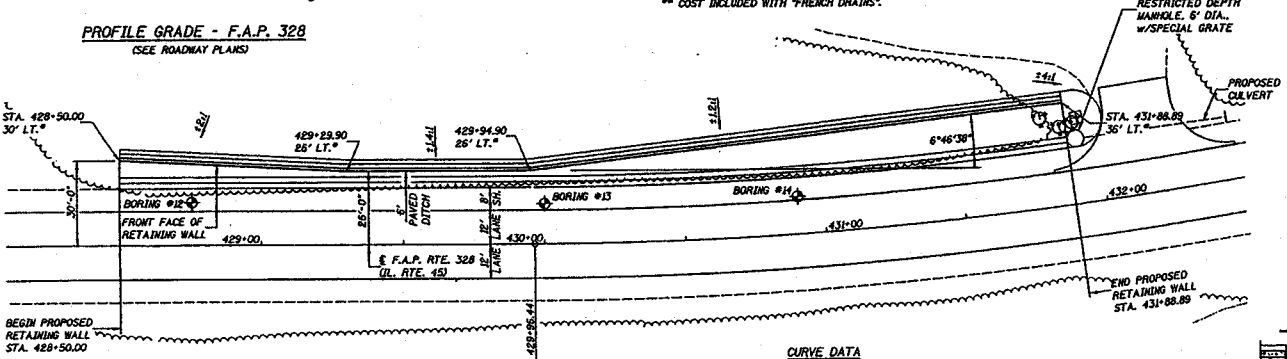
BETWEEN SOLDIER PILES

FRENCH DRAIN DETAILS

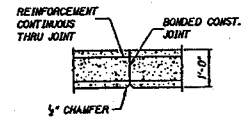
** COST INCLUDED WITH "FRENCH DRAINS".



WALL EXPANSION JOINT



PLAN



WALL CONSTRUCTION JOINT

HIGHWAY CLASSIFICATION

F.A.P. 328 (U.L. RTE. 45)

CLASSIFICATION ..... RURAL PRINCIPAL ARTERIAL
ADT 2,550 (1995), 3,875 (2020)
DHV 306 (1995), 465 (2020)
DESIGN SPEED ..... 60 mph
POSTED SPEED ..... 55 mph

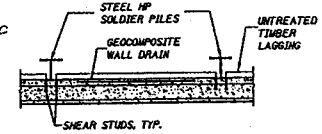
DESIGN SPECIFICATIONS

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)



SECTION A-A

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

CURVE DATA

P.I. STA. 432+53.89
Δ = 20°06'41" (LT.)
D = 3°56'48"
R = 1,451.77'
T = 257.44'
L = 509.59'
E = 22.65'
P.C. STA. 429+96.44
P.T. STA. 435+06.03

* OFFSETS GIVEN TO FRONT FACE OF RETAINING WALL.

DESIGNED:	G.M.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. 428+50.00 TO 431+88.89
S.N. 025-W005