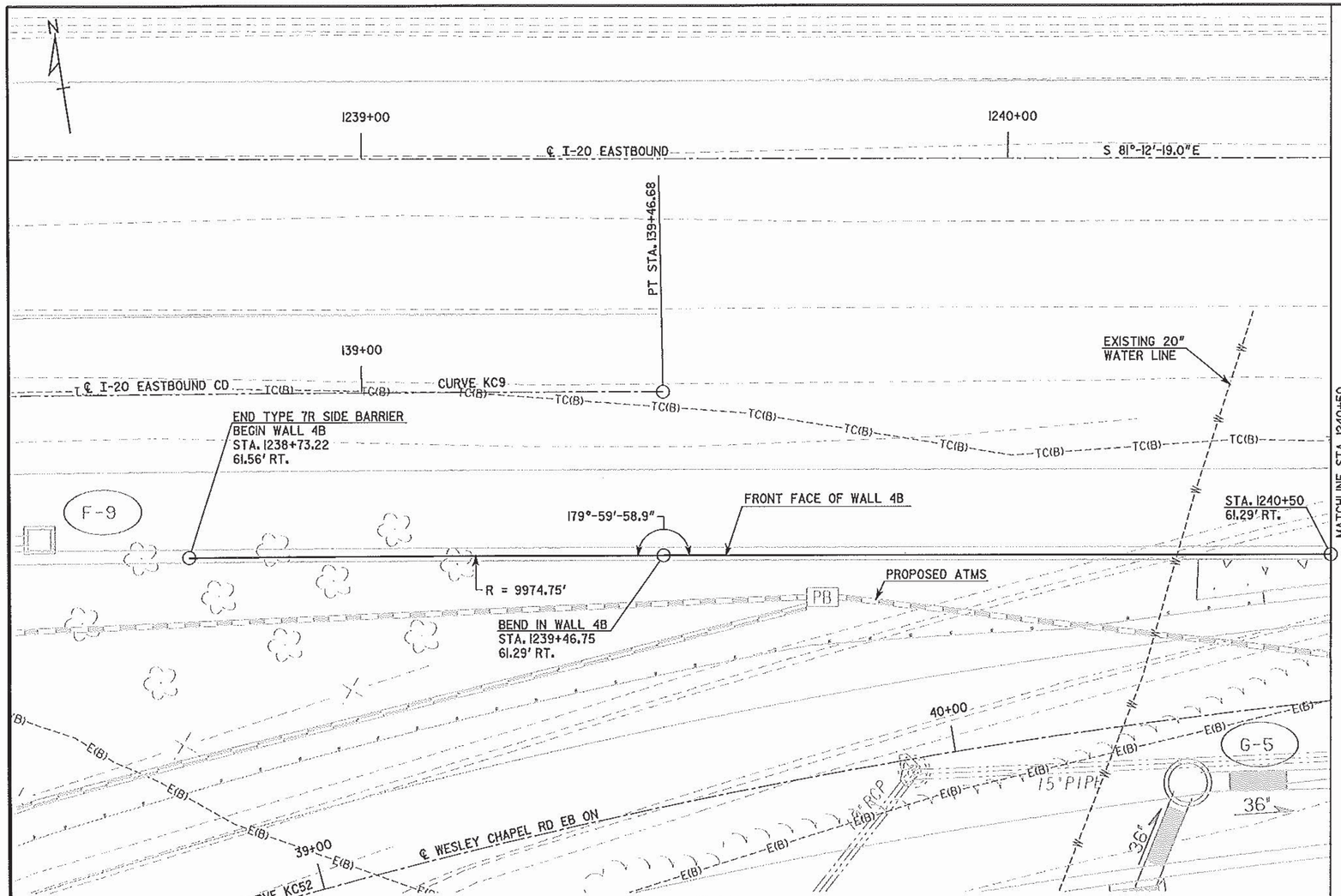
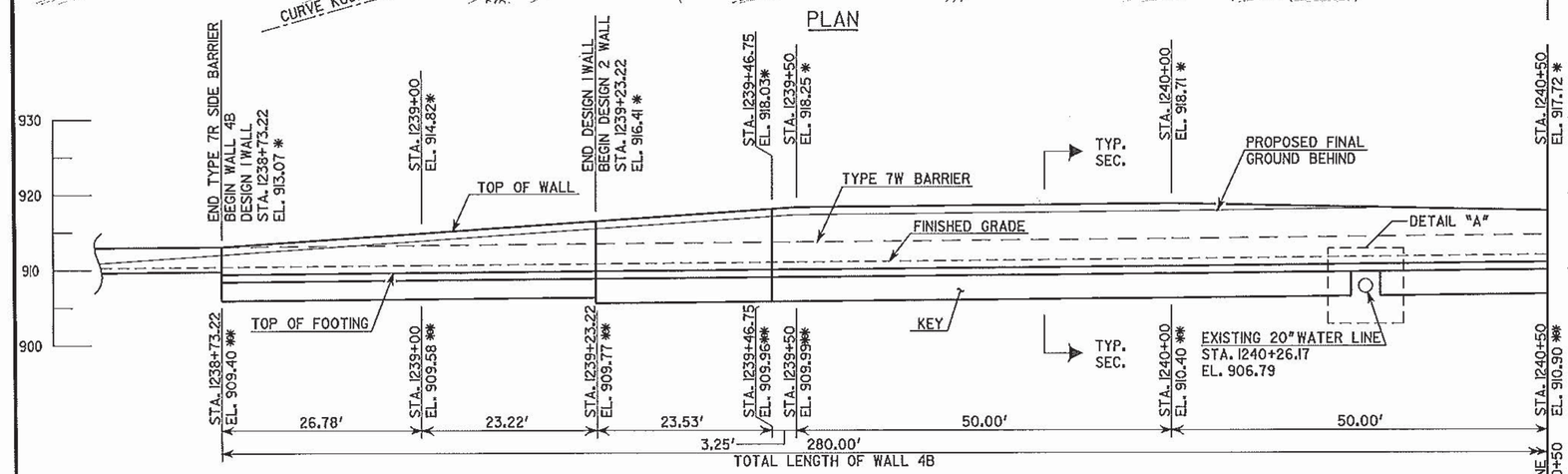
RELEASED FOR CONSTRUCTION: 12/05/11

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	0009542	459	759



PLAN



ELEVATION

LOOKING AT BACK FACE OF WALL

NOTES:
1. * ELEVATION OF TOP OF WALL AT BACK FACE, TYP.
2. ** ELEVATION AT TOP OF FOOTING, TYP.

WALL NO. 4B DESIGN DATA

SPECIFICATIONS ---------- AASHTO 17TH EDITION, 2002

CONCRETE ---------- CLASS A, f'_c = 3,000 PSI

REINFORCEMENT STEEL ---------- GRADE 60, f_y = 60,000 PSI

DESIGN SOIL PRESSURE ---------- 3000 PSF

COHESION ---------- 0 PSF

ANGLE OF INTERNAL FRICTION ---------- 30°

UNIT WEIGHT ---------- 120 PCF

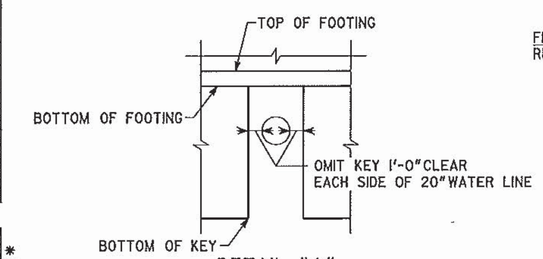
COEFFICIENT OF SLIDING FRICTION ---------- 0.40

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-3107	144	CY	CLASS A CONCRETE, RETAIN WALL
511-1000	18411	LB	BAR REINF STEEL

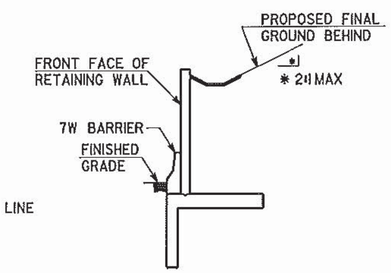
PVI STA. 1238+50 EL. 911.80	PVI STA. 1239+00 EL. 912.20	PVI STA. 1239+50 EL. 912.60	PVI STA. 1240+00 EL. 912.98	PVI STA. 1240+50 EL. 913.41
+0.800%	+0.790%	+0.760%	+0.850%	

PROFILE GRADE DATA
I-20 EASTBOUND CD



DETAIL "A"

NO SCALE



TYPCIAL SECTION

CIP WALL, SPECIAL DESIGN
SEE DRAWING 31-26 FOR DETAILS

WALL NO. 4B

12.5.11

GEORGIA REGISTERED NO. 24732 PROFESSIONAL ENGINEER ALBERT W. BOWMAN

THE LPA GROUP — A UNIT OF MICHAEL BAKER CORPORATION

THE LPA GROUP INCORPORATED
TRANSPORTATION CONSULTANTS
3535 ENGINEERING DRIVE
NORCROSS, GEORGIA 30092
(770) 283-9110

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

WALL PLAN AND ELEVATION - CIP
I-20 CD LANES

DEKALB COUNTY 0009542

SCALE: 1" = 10'-0" DECEMBER 2011

DESIGNED BSB | CHECKED ANZ | REVIEWED WEJ/WMD
DRAWN BSB | DESIGN GROUP AWB | APPROVED BFR

DATE | REVISIONS | BY

DRAWING NO. 31-14
WALL SHEET 1 OF 2

12/20/2011 4:23:46 PM R:\123300\Walls\final\W4B-01.dgn