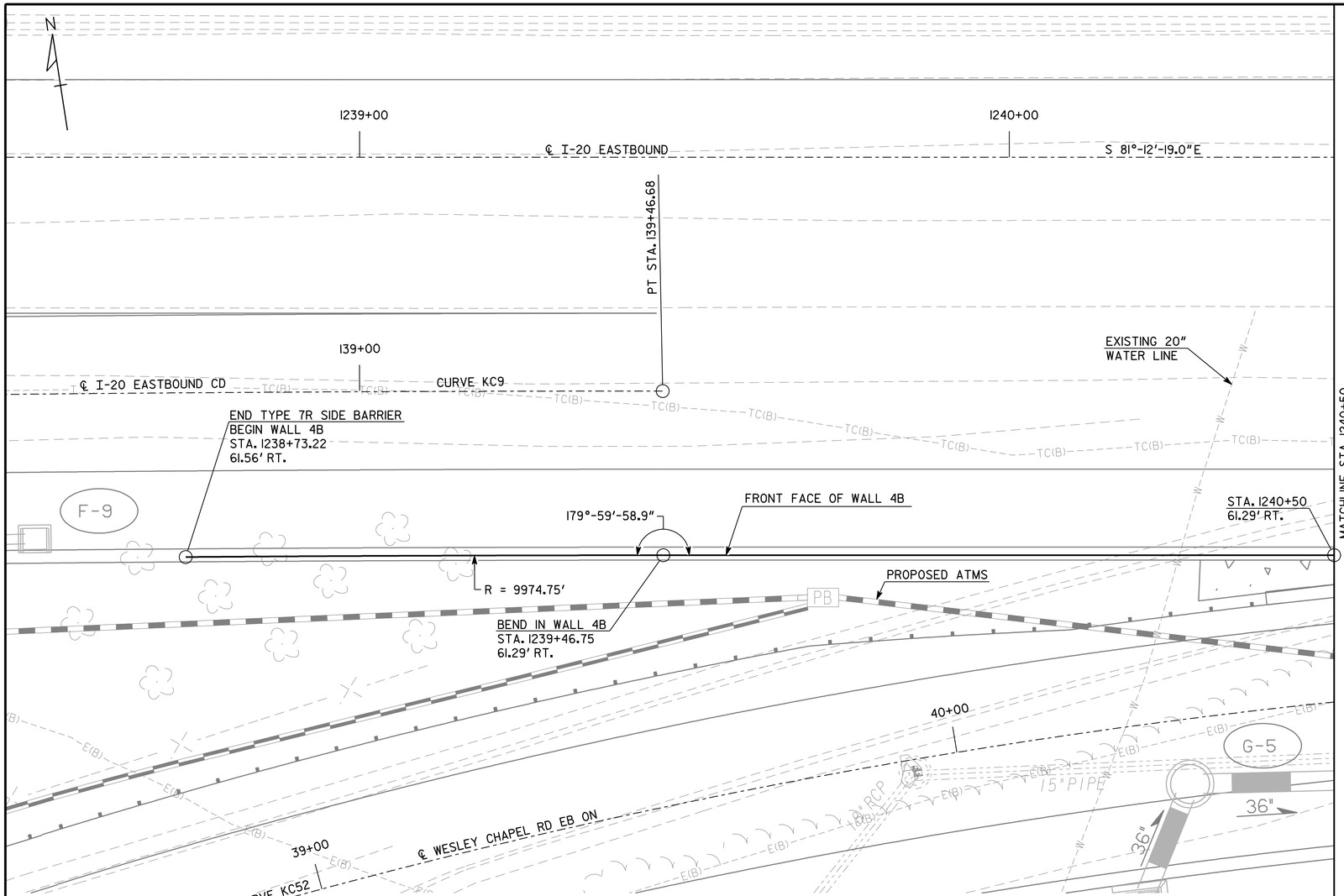
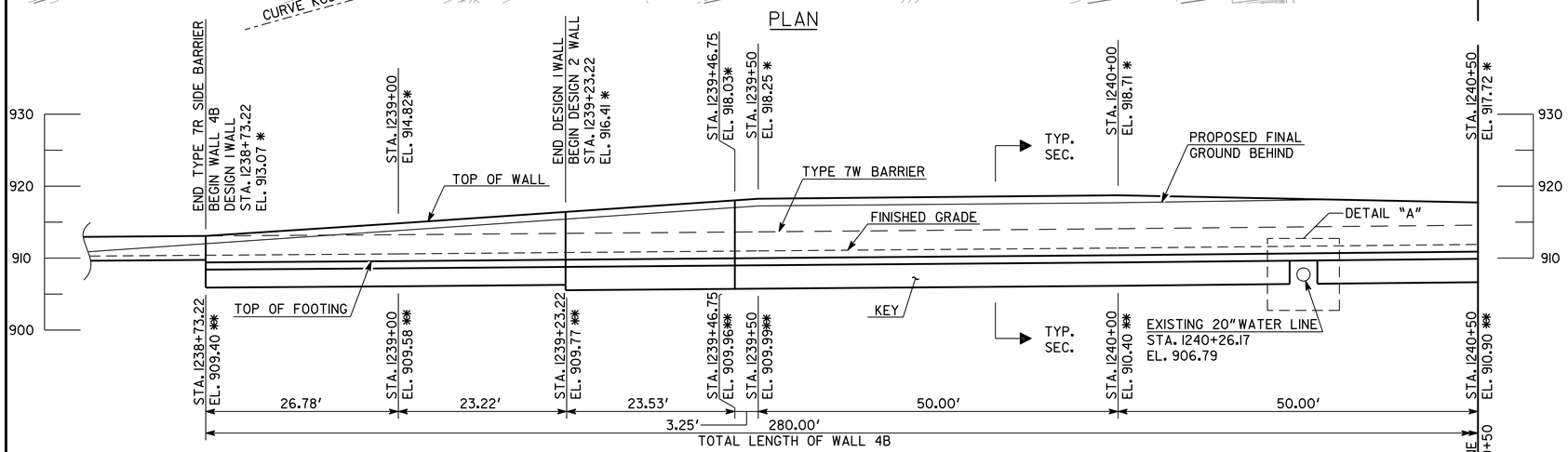


PLAN



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

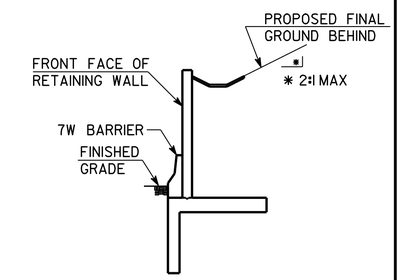
COEFFICIENT OF SLIDING FRICTION ---------- 0.40

SUMMARY OF QUANTITIES

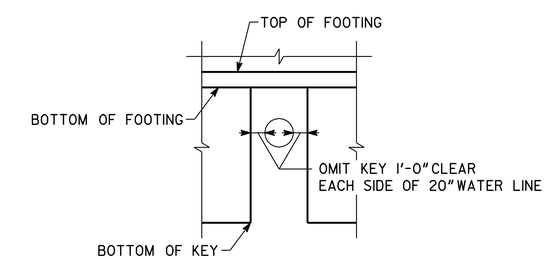
PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-3107	144	CY	CLASS A CONCRETE, RETAIN WALL
511-1000	18411	LB	BAR REINF STEEL

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

PROFILE GRADE DATA
I-20 EASTBOUND CD



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



DETAIL "A"
NO SCALE
WALL NO. 4B

THIS PLAN SET IS SEALED ONLY FOR THE AS-BUILT CONDITIONS DOCUMENTED THROUGH THE R.F.I. AND RED LINE PROCESS BY THE CONTRACTOR. THIS DOCUMENT WAS ORIGINALLY SEALED BY ALBERT W. BOWMAN, LICENSE NO. 24732 ON DECEMBER 5, 2011.

THIS MEDIA SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT AS TO THE ORIGINAL DOCUMENT BUT CERTIFIED ONLY AS TO THE REVISIONS.

12/5/11
GEORGIA REGISTERED NO. 24732 PROFESSIONAL ENGINEER ALBERT W. BOWMAN

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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

DATE	REVISIONS	BY

DRAWING NO. 31-14
WALL SHEET 1 OF 2

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