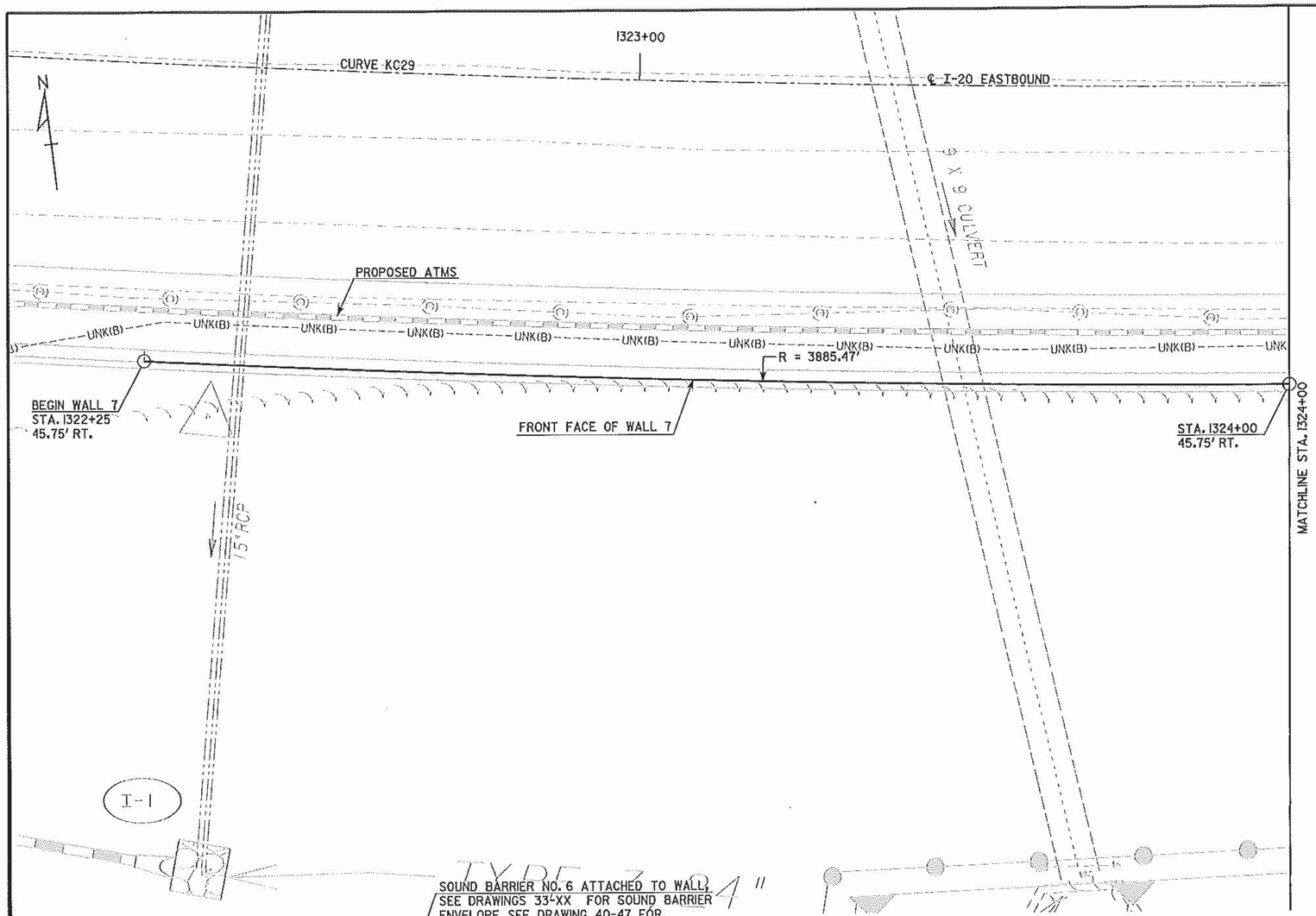
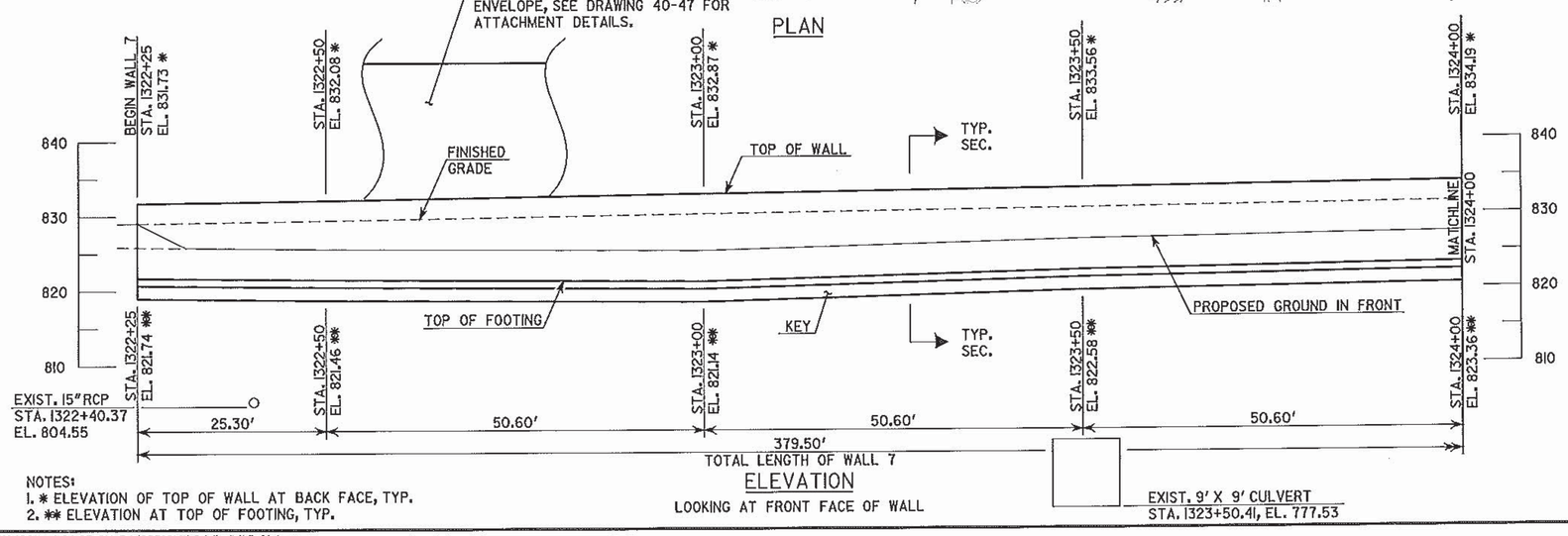
RELEASED FOR CONSTRUCTION: 12/05/11

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	0009542	467	759



PLAN



ELEVATION

LOOKING AT FRONT FACE OF WALL

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

WALL NO. 7 DESIGN DATA

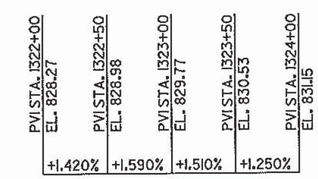
SPECIFICATIONS	AASHTO 17TH EDITION, 2002
CONCRETE	CLASS A, f_c = 3,000 PSI
REINFORCEMENT STEEL	GRADE 60, f_y = 60,000 PSI
DESIGN SOIL PRESSURE	3000 PSF
COHESION	0 PSF
ANGLE OF INTERNAL FRICTION	28°
UNIT WEIGHT	120 PCF
COEFFICIENT OF SLIDING FRICTION	0.35

SUMMARY OF QUANTITIES

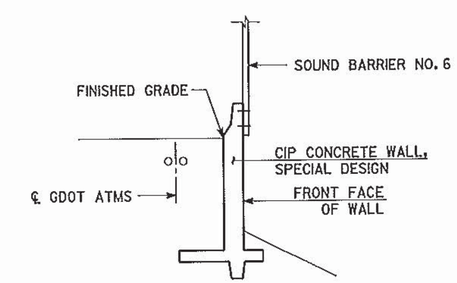
PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-3107	422	CY	CLASS A CONCRETE, RETAIN WALL
511-1000	41255	LB	BAR REINF STEEL

HORIZONTAL CURVE DATA

CURVE KC29
P.I. STA. 1320+90.91
Δ = 32°-01'-06"
D = 1°-29'-32"
R = 3839.72'
T = 1101.68'
L = 2145.73'



PROFILE GRADE DATA
I-20 EASTBOUND



TYPICAL SECTION
SCALE: NONE
SEE DRAWING 31-26 FOR DETAILS

12.5.11

GEORGIA REGISTERED NO. 24732 PROFESSIONAL ENGINEER ALBERT W. BOWMAN

WALL NO. 7

THE LPA GROUP A UNIT OF MICHAEL BAKER CORPORATION

THE LPA GROUP INCORPORATED
TRANSPORTATION CONSULTANTS
3525 ENGINEERING DRIVE
NORCROSS, GEORGIA 30092
(770) 263-9110

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

DATE	REVISIONS	BY

DRAWING NO. 31-22
WALL SHEET 1 OF 2

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

12/20/2011 4:24:23 PM R:\123300\Walls\final\W7-01.dgn