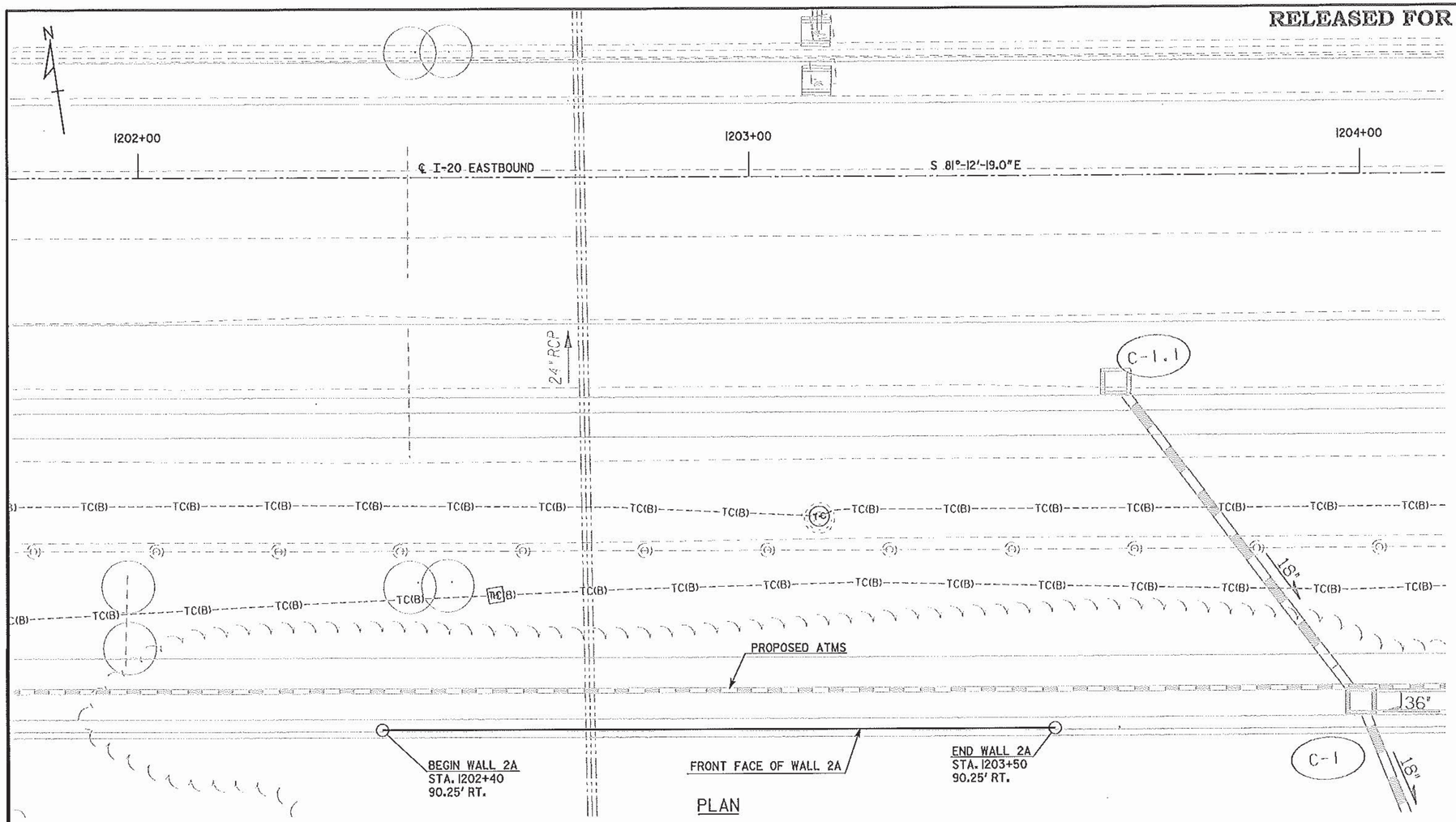
RELEASED FOR CONSTRUCTION: 12/05/11

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	0009542	452	759



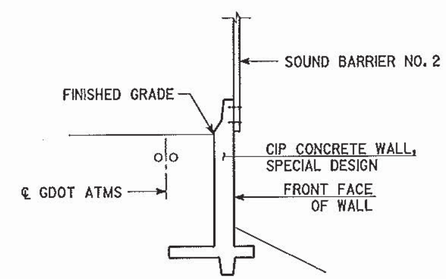
PLAN

WALL NO. 2A 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	149	CY	CLASS A CONCRETE, RETAIN WALL
511-1000	13519	LB	BAR REINF STEEL

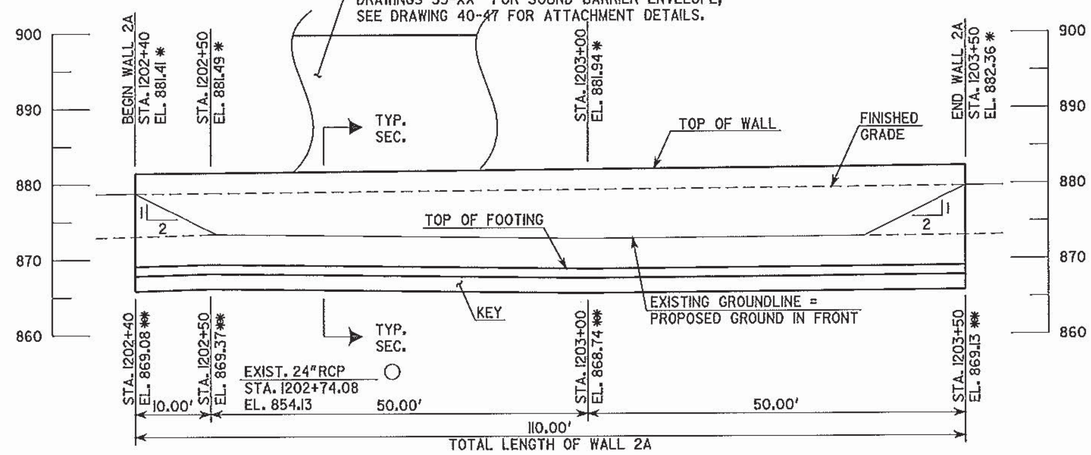


TYPICAL SECTION

SCALE: NONE

SEE DRAWING 31-26 FOR DETAILS

SOUND BARRIER NO. 2 ATTACHED TO WALL, SEE DRAWINGS 33-XX FOR SOUND BARRIER ENVELOPE, SEE DRAWING 40-47 FOR ATTACHMENT DETAILS.



ELEVATION

LOOKING AT FRONT FACE OF WALL

PVI STA. 1202+00 EL. 880.54	PVI STA. 1202+50 EL. 880.92	PVI STA. 1203+00 EL. 881.37	PVI STA. 1203+50 EL. 881.79
+0.760%	+0.890%	+0.850%	

PROFILE GRADE DATA

I-20 EASTBOUND CD

NOTES:

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

12.5.11

GEORGIA REGISTERED NO. 24732 PROFESSIONAL ENGINEER ALBERT W. BOWMAN

WALL NO. 2A

THE LPA GROUP A UNIT OF MICHAEL BAKER CORPORATION

THE LPA GROUP INCORPORATED
TRANSPORTATION CONSULTANTS
3535 ENGINEERING DRIVE
NORCROSS, GEORGIA 30092
(770) 263-9118

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

DRAWING NO.	REVISIONS	DATE	BY
31-07			
WALL SHEET 1 OF 1			

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

12/20/2011 4:22:47 PM R:\123300\Walls\final\W2A-01.dgn