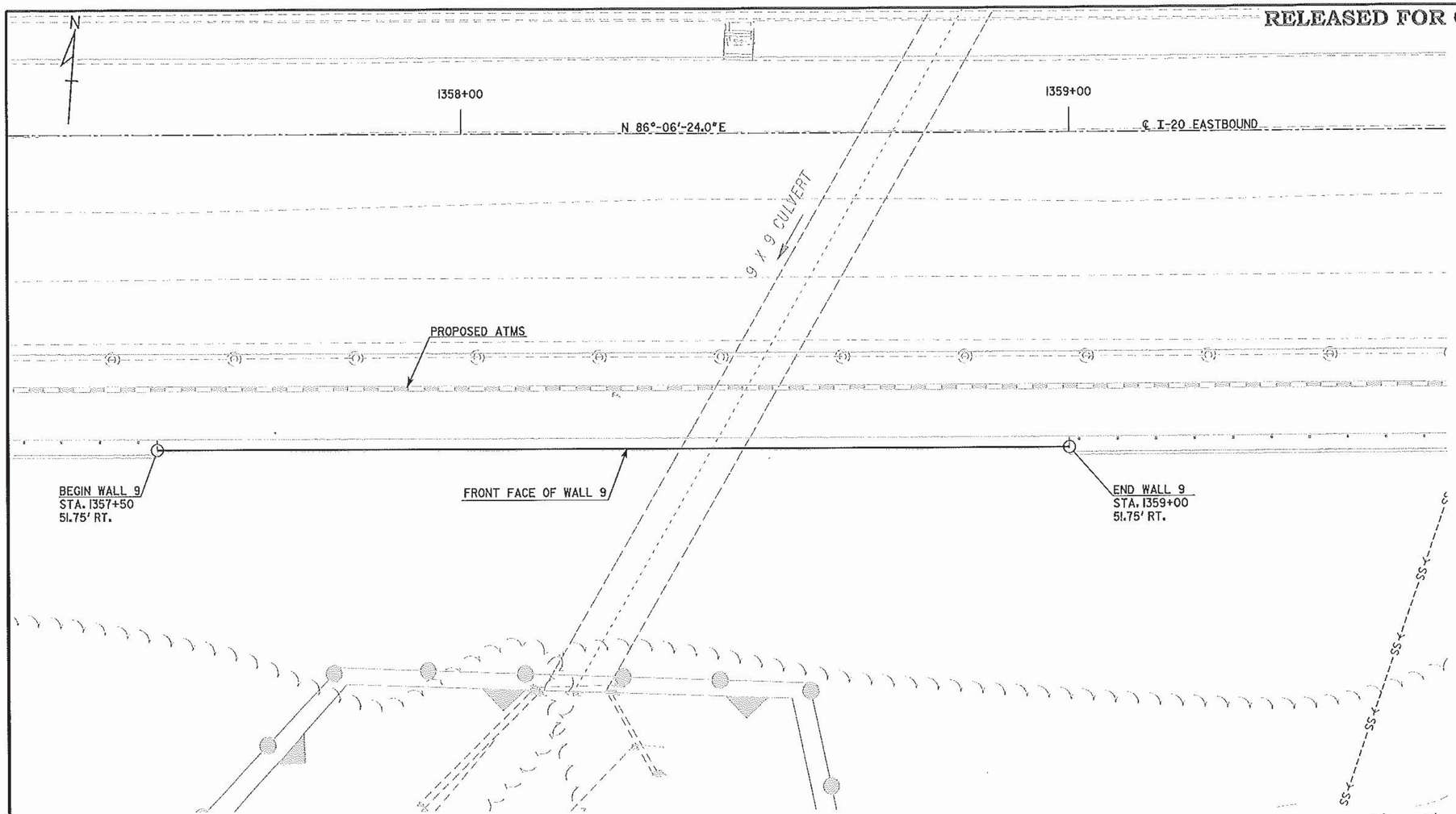
RELEASED FOR CONSTRUCTION: 12/05/11

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	0009542	470	759



PLAN

WALL NO. 9 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

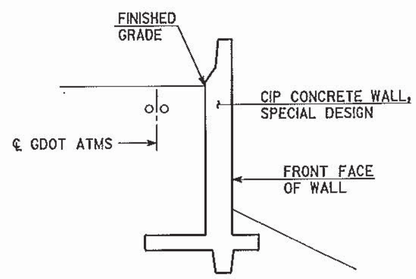
ANGLE OF INTERNAL FRICTION ---------- 28°

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

COEFFICIENT OF SLIDING FRICTION ---------- 0.35

SUMMARY OF QUANTITIES

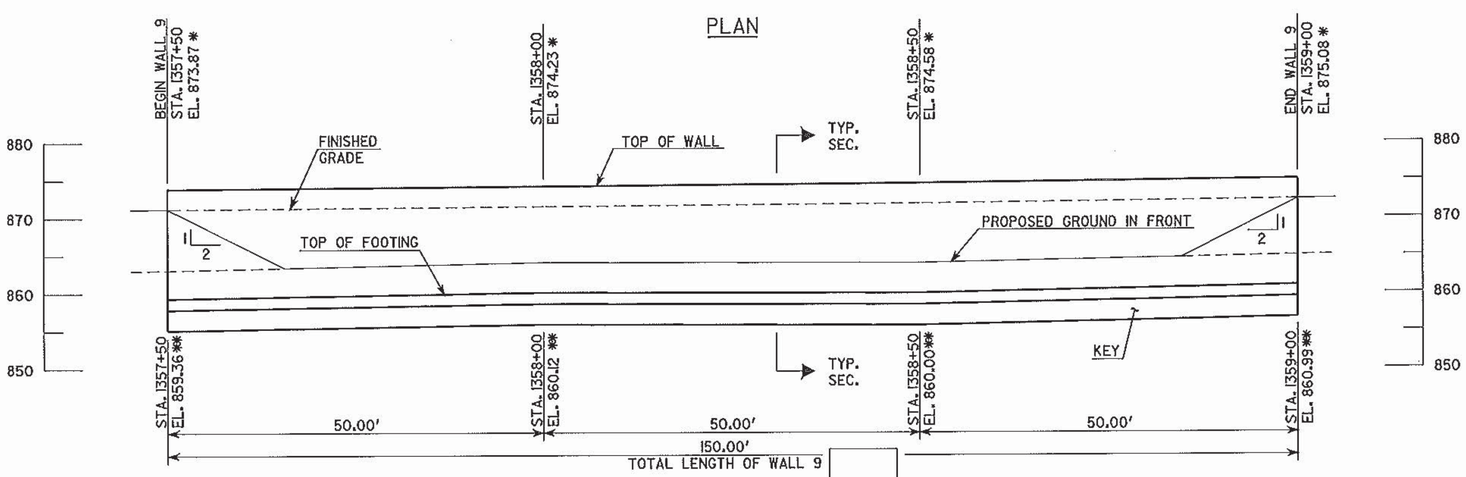
PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-3107	240	CY	CLASS A CONCRETE, RETAIN WALL
511-1000	18518	LB	BAR REINF STEEL



TYPICAL SECTION

SCALE: NONE

SEE DRAWING 31-26 FOR DETAILS



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.

PVI STA. 1357+50	PVI STA. 1358+00	PVI STA. 1358+50	PVI STA. 1359+00
EL. 872.46	EL. 872.96	EL. 873.26	EL. 873.69
+0.990%	+0.610%	+0.850%	

PROFILE GRADE DATA
I-20 EASTBOUND CD

12.5.11

GEORGIA REGISTERED NO. 24732 PROFESSIONAL ENGINEER ALBERT W. BOWMAN

WALL NO. 9

THE LPA GROUP
A UNIT OF MICHAEL BAKER CORPORATION

THE LPA GROUP INCORPORATED
TRANSPORTATION CONSULTANTS
3535 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

DRAWING NO. 31-25
WALL SHEET 1 OF 1

DATE	REVISIONS	BY

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

12/20/2011 4:24:49 PM R:\123300\Walls\final\W9-01.dgn