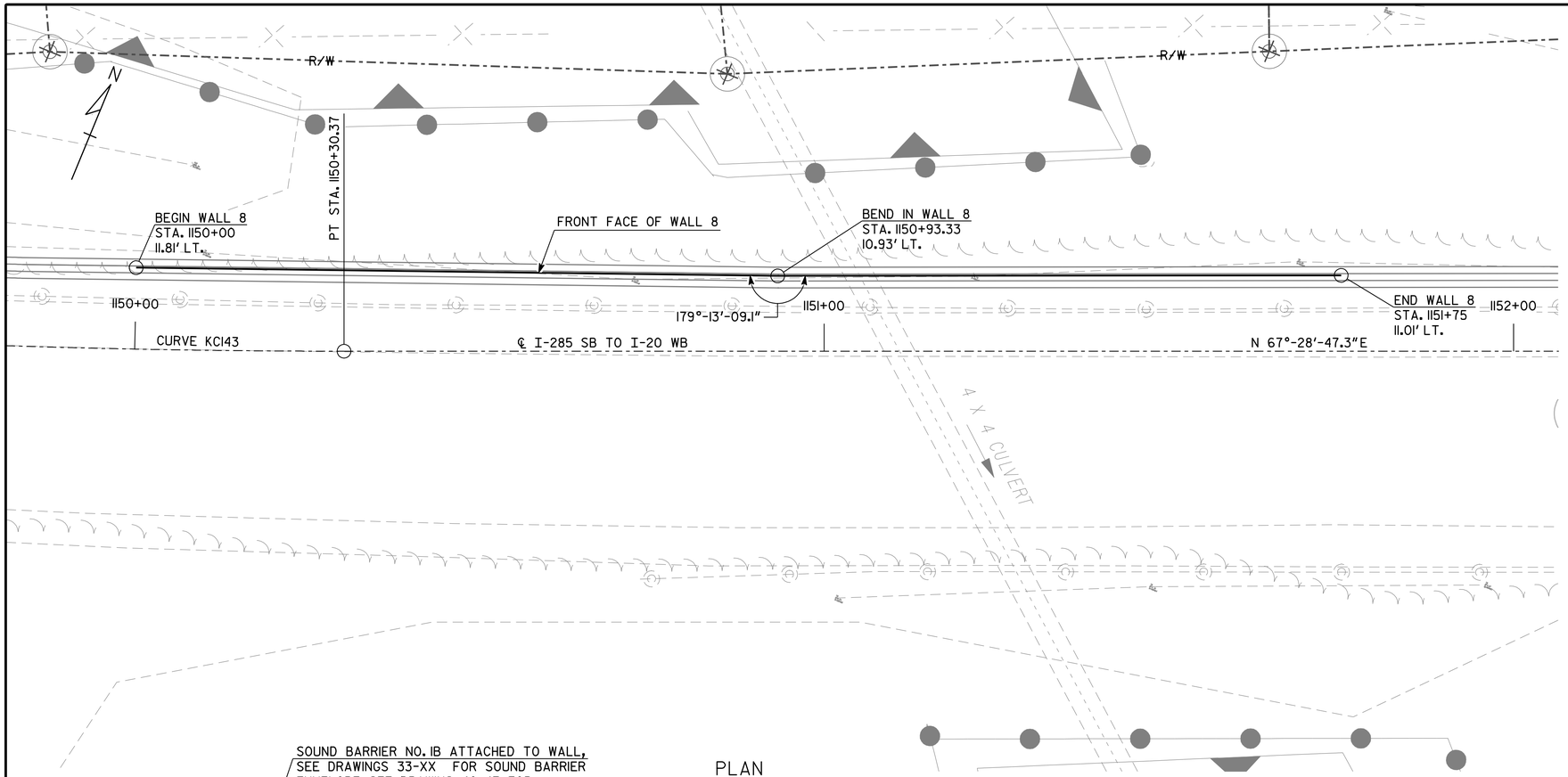
AS-BUILT PLANS: 08/30/13

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	0009542	469	759



PLAN

WALL NO. 8 DESIGN DATA

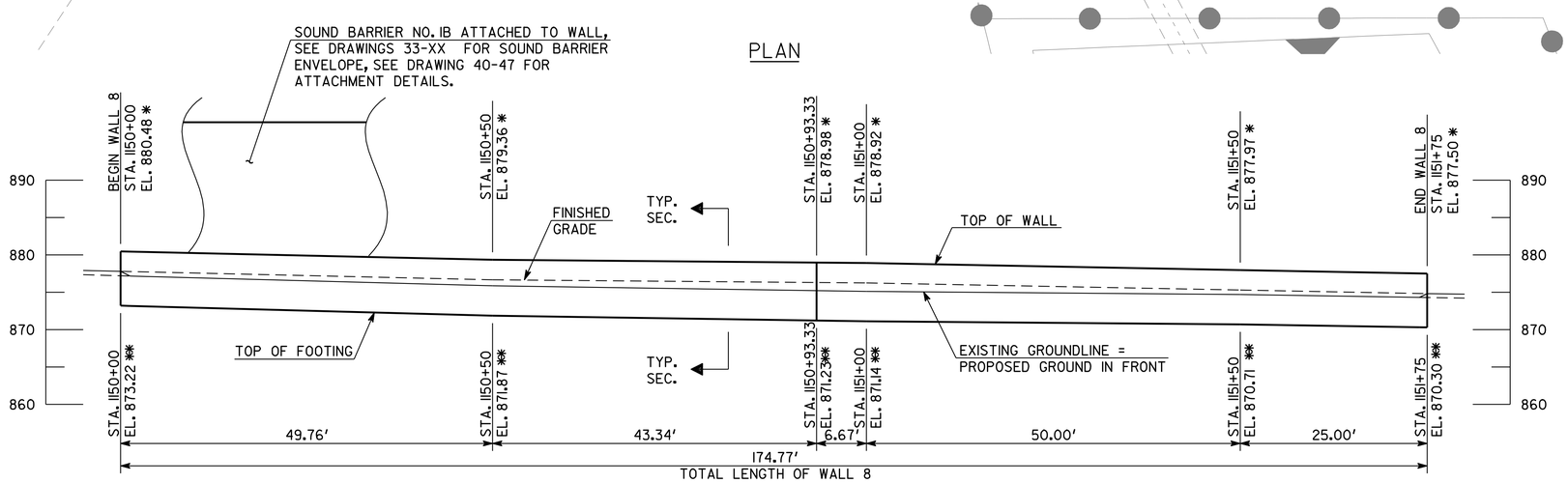
SPECIFICATIONS	AASHTO 17TH EDITION, 2002
CONCRETE	CLASS A, f'_c = 3,000 PSI
REINFORCEMENT STEEL	GRADE 60, f_y = 60,000 PSI
DESIGN SOIL PRESSURE	3000 PSF
COHESION	0 PSF
ANGLE OF INTERNAL FRICTION	28°
UNIT WEIGHT	120 PCF
COEFFICIENT OF SLIDING FRICTION	0.35

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-3107	126	CY	CLASS A CONCRETE, RETAIN WALL
511-1000	14258	LB	BAR REINF STEEL

HORIZONTAL CURVE DATA

CURVE KC143
P.I. STA. 1146+31.20
Δ = 31°-17'-45.4"
D = 3°-49'-11"
R = 1500.00'
T = 420.16'
L = 819.33'

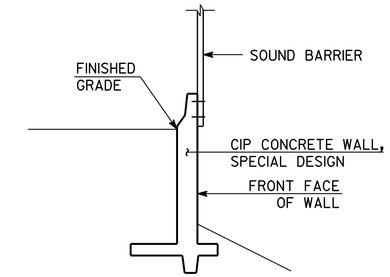


ELEVATION
LOOKING AT BACK FACE OF WALL

EXIST. 4' X 4' CULVERT
STA. 1151+10.58
EL. 839.38

PVI STA. 1150+00	PVI STA. 1150+50	PVI STA. 1151+00	PVI STA. 1151+50	PVI STA. 1152+00
EL. 878.21	EL. 877.27	EL. 876.48	EL. 875.78	EL. 874.82
-1.8359%	-1.0477%	-1.0507%	-1.8889%	

PROFILE GRADE DATA
I-285 SB TO I-20 WB



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

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

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

DRAWING NO. 31-24
WALL SHEET 1 OF 1

REVISIONS | DATE | BY

WALL NO. 8

THE LPA GROUP — A UNIT OF MICHAEL BAKER CORPORATION
THE LPA GROUP INCORPORATED
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3595 ENGINEERING DRIVE
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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 WEI/WMD
DRAWN BSB | DESIGN GROUP AWB | APPROVED BFR

10/1/2013 7:18:15 AM R:\123300\0009542\DGN\As Builts\Structures\Walls\W8-01.dgn