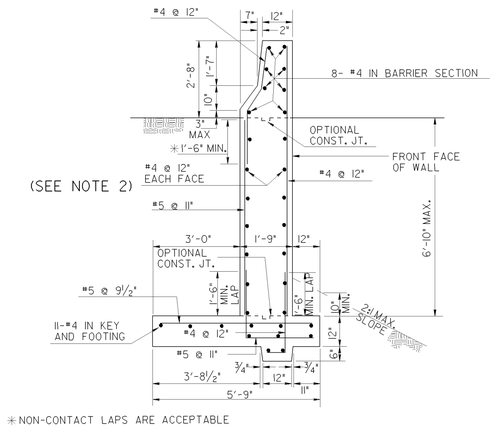
RELEASED FOR CONSTRUCTION 12/02/10

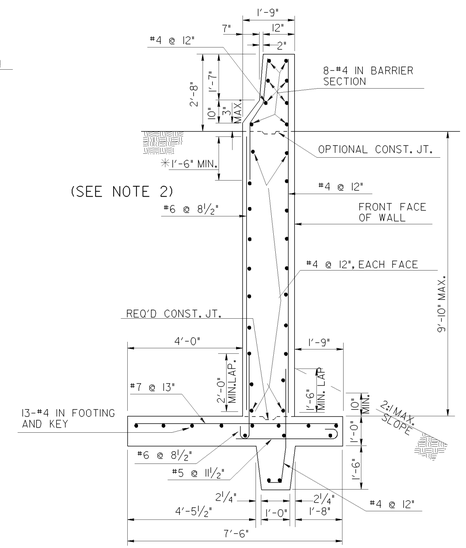
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



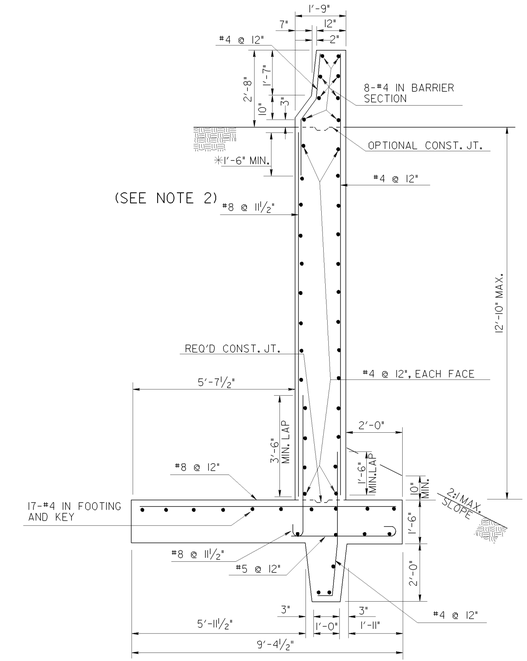
*NON-CONTACT LAPS ARE ACCEPTABLE

TYPE 2-A SIDE BARRIER

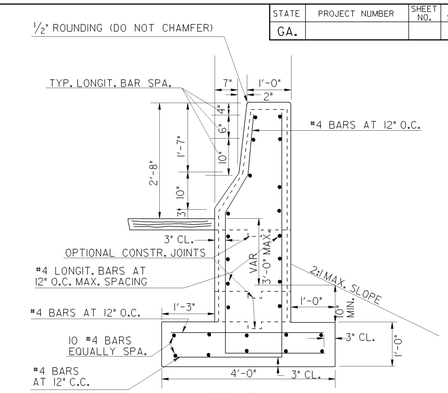
RED'D SOIL BEARING CAPACITY	
TYPE	CAPACITY, TONS/SF
2-A	1.25
2-B	1.25
2-C	1.5
2	1.0



TYPE 2-B SIDE BARRIER



TYPE 2-C SIDE BARRIER



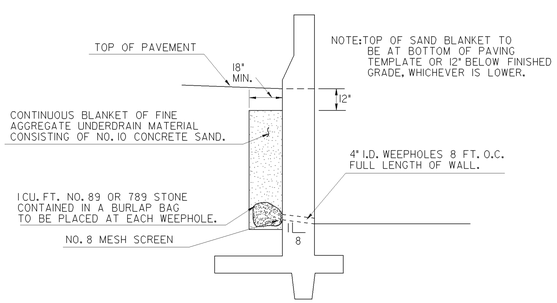
TYPE 2

GENERAL NOTES:

1. AT CONTRACTOR'S OPTION, SIDES OF FOOTING KEY MAY BE VERTICAL. MAINTAIN WIDTH SHOWN AT TOP OF KEY. BACKFILL FRONT FACE OF WALL FIRST.
2. UNDERDRAIN SYSTEM PER DETAILS AT BOTTOM LEFT AND/OR NOTE 9 IS REQUIRED FOR TYPES 2-A, 2-B, AND 2-C.
3. EXPOSED CONCRETE SURFACES SHALL RECEIVE A TYPE III FINISH.
4. 1" EXPANSION JOINTS SHALL BE PROVIDED IN WALL, FOOTING AND KEY AT A MAXIMUM SPACING OF 100 FT. EXPANSION JOINTS SHALL BE SPACED UNIFORMLY.
5. CONTRACTION JOINTS SHALL BE AS SPECIFIED FOR SIDE BARRIER, GA. STD. 4948A.
6. EXPANSION AND CONTRACTION JOINTS IN TYPES 2-A, 2-B, AND 2-C SIDE BARRIER SHALL BE WATERPROOFED ON THE BACK SIDE. WATERPROOFING SHALL BE 3-PLY AND EXTEND FROM TOP OF SAND BLANKET TO TOP OF FOOTING FOR 1'-6" MIN. EACH SIDE OF JOINT.
7. TYPES 2, 2-A, 2-B, AND 2-C SIDE BARRIER SHALL BE PAID FOR PER LIN. FT. AS CONCRETE SIDE BARRIER. TYPE 2, 2A, 2B, OR 2C PRICE BID TO INCLUDE COST OF WATERPROOFING AND ALL INCIDENTALS AS SPECIFIED IN SECTION 621 OF THE STD. SPEC.
8. SIDE BARRIER DESIGNED FOR THE FOLLOWING SOIL PROPERTIES:

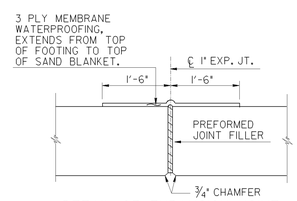
   θ = ANGLE OF INTERNAL FRICTION 28°
   γ = UNIT WEIGHT = 110 PCF
   A = COEFF. OF SLIDING FRICTION = .45

9. A SYNTHETIC DRAINAGE BLANKET SELECTED FROM THE DEPARTMENT'S QUALIFIED PRODUCTS LIST IS AN ACCEPTABLE SUBSTITUTE FOR THE SAND BLANKET, BAG OF STONE, AND MESH SCREEN SHOWN IN THE UNDERDRAIN DETAILS.

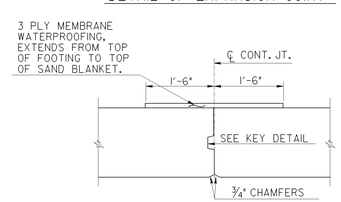


UNDERDRAIN DETAILS

SEE GEN. NOTE 9 FOR ALTERNATE

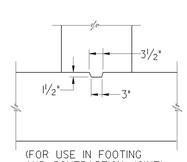


DETAIL OF EXPANSION JOINT



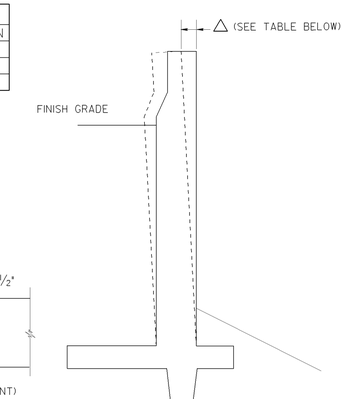
DETAIL OF CONTRACTION JOINT

△ (INCHES)	
WALL TYPE	DIMENSION
2-A	0
2-B	0
2-C	3/16



(FOR USE IN FOOTING AND CONTRACTION JOINT)

SHEAR KEY DETAIL



WALL BATTER DETAIL

DATE	REVISION	BY
1-25-07	ADDED BAR LAP NOTE AND WALL BATTER DETAIL.	GLO

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD

CONCRETE SIDE BARRIER
TYPES 2, 2A, 2B & 2C

NO SCALE — DEC., 1999

DES. ____ DRW. ____ TRA. ____ CHK. ____

(SUBMITTED) STATE ROAD & AIRPORT DESIGN ENGINEER

(APPROVED) CHIEF ENGINEER

NUMBER 4948B

THE LPA GROUP
TRANSPORTATION CONSULTANTS
A UNIT OF MICHAEL BAKER CORPORATION
3595 ENGINEERING DRIVE
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE PROGRAM DELIVERY
GEORGIA STANDARDS

DRAWING No. 41-030