

AS-BUILT PLANS 12/12/12

8/23/2007 11:44:29 AM \\GARI\DR\1\BUILTS\AS-BUILT\006043\Const Standards\4948B.dgn

(SEE NOTE 2)

*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

(SEE NOTE 2)

TYPE 2-B SIDE BARRIER

(SEE NOTE 2)

TYPE 2-C SIDE BARRIER

NOTE: TOP OF SAND BLANKET TO BE AT BOTTOM OF PAVING TEMPLATE OR 12" BELOW FINISHED GRADE, WHICHEVER IS LOWER.

4" I.D. WEEPHOLES 8 FT. O.C. FULL LENGTH OF WALL.

1 CU. FT. NO. 89 OR 789 STONE CONTAINED IN A BURLAP BAG TO BE PLACED AT EACH WEEPHOLE.

NO. 8 MESH SCREEN

UNDERDRAIN DETAILS

SEE GEN. NOTE 9 FOR ALTERNATE

3 PLY MEMBRANE WATERPROOFING, EXTENDS FROM TOP OF FOOTING TO TOP OF SAND BLANKET.

1" EXP. JT.

PREFORMED JOINT FILLER

3/4" CHAMFER

DETAIL OF EXPANSION JOINT

3 PLY MEMBRANE WATERPROOFING, EXTENDS FROM TOP OF FOOTING TO TOP OF SAND BLANKET.

CONT. JT.

SEE KEY DETAIL

3/4" CHAMFERS

DETAIL OF CONTRACTION JOINT

FINISH GRADE

△ (SEE TABLE BELOW)

WALL BATTER DETAIL

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

(FOR USE IN FOOTING AND CONTRACTION JOINT)

SHEAR KEY DETAIL

1/2" ROUNDING (DO NOT CHAMFER)

TYP. LONGIT. BAR SPA.

OPTIONAL CONST. JOINTS

3" CL.

10 #4 BARS EQUALLY SPA.

#4 BARS AT 12" C.C.

#4 BARS AT 12" O.C.

2" MAX. SLOPE

1" MIN.

3" CL.

4'-0"

3" CL.

1'-0"

TYPE 2

GENERAL NOTES:

- AT CONTRACTOR'S OPTION, SIDES OF FOOTING KEY MAY BE VERTICAL. MAINTAIN WIDTH SHOWN AT TOP OF KEY. BACKFILL FRONT FACE OF WALL FIRST.
- UNDERDRAIN SYSTEM PER DETAILS AT BOTTOM LEFT AND/OR NOTE 9 IS REQUIRED FOR TYPES 2-A, 2-B, AND 2-C.
- EXPOSED CONCRETE SURFACES SHALL RECEIVE A TYPE III FINISH.
- 1" EXPANSION JOINTS SHALL BE PROVIDED IN WALL, FOOTING AND KEY AT A MAXIMUM SPACING OF 100 FT. EXPANSION JOINTS SHALL BE SPACED UNIFORMLY.
- CONTRACTION JOINTS SHALL BE AS SPECIFIED FOR SIDE BARRIER, GA. STD. 4948A.
- 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.
- 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.
- SIDE BARRIER DESIGNED FOR THE FOLLOWING SOIL PROPERTIES:
 θ = ANGLE OF INTERNAL FRICTION 28°
 γ = UNIT WEIGHT = 110 PCF
 μ = COEFF. OF SLIDING FRICTION = .45
- 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.

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ADDED BAR LAP NOTE AND WALL BATTER DETAIL.	DATE	REVISION	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
			STANDARD
			CONCRETE SIDE BARRIER TYPES 2, 2A, 2B & 2C
			NO SCALE
			DEC., 1999
DES. (SUBMITTED)			NUMBER
DRW. STATE ROAD & AIRPORT DESIGN ENGINEER			4948B
TRA. (APPROVED)			
CHK. CHIEF ENGINEER			