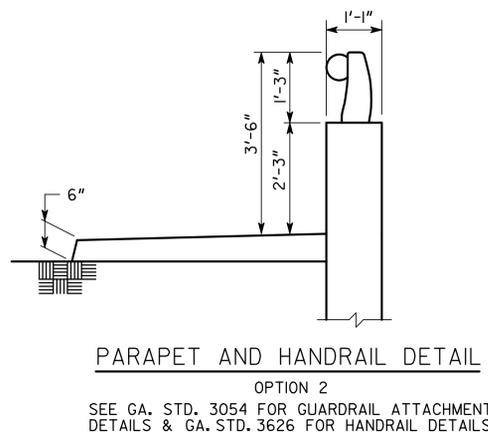
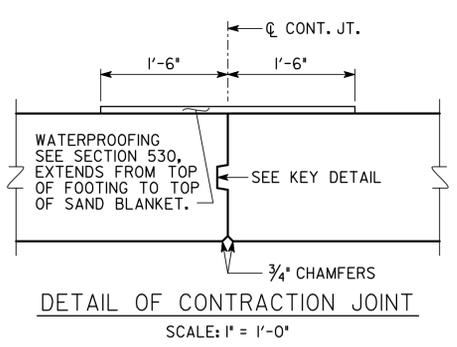
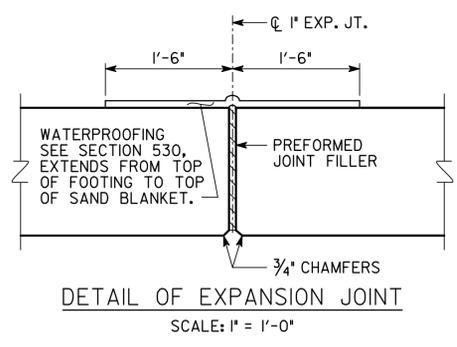
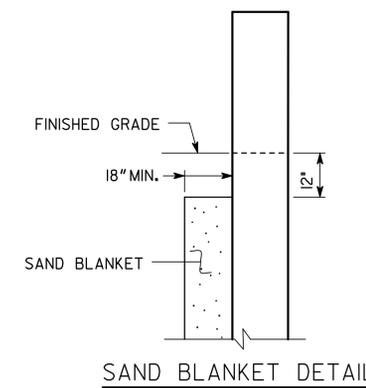


- NOTES:**
- AT CONTRACTOR'S OPTION, SIDES OF KEY MAY BE VERTICAL. MAINTAIN WIDTH SHOWN AT TOP OF KEY.
 - PLACE WEEPHOLES AND SAND BLANKET AS SHOWN ON GA. STD. 4948B.
 - PROVIDE A TYPE III FINISH ON ALL EXPOSED CONCRETE SURFACES.
 - PROVIDE 1" EXPANSION JOINTS IN WALL STEM, FOOTING AND KEY AT A MAXIMUM SPACING OF 100'. SPACE EXPANSION JOINTS UNIFORMLY. STOP ALL LONGITUDINAL REINFORCING STEEL IN THE STEM, FOOTING AND KEY 3" CLEAR OF THE EXPANSION JOINTS.
 - SPACE CONTRACTION JOINTS IN WALL STEM AT 30' MAXIMUM AND 20' MINIMUM. STOP ALL LONGITUDINAL REINFORCING STEEL IN THE STEM 2" CLEAR OF THE CONTRACTION JOINTS.
 - WATERPROOF EXPANSION AND CONTRACTION JOINTS IN THE WALL STEM ON THE BACK SIDE. EXTENT OF WATERPROOFING SHALL BE FROM TOP OF SAND BLANKET TO THE TOP OF FOOTING FOR 1'-6" MINIMUM EACH SIDE OF JOINT. SEE SECTION 530 OF THE GEORGIA DOT SPECIFICATIONS.
 - RETAINING WALL DESIGN DATA:
 SOIL PROPERTIES ----- $\phi = 28^\circ$
 $\gamma = 110 \text{ pcf}$
 $M = 0.45$
 CONCRETE ----- CLASS A, $f'_c = 3000 \text{ PSI}$
 REINFORCEMENT STEEL ----- GRADE 60, $f_y = 60,000 \text{ PSI}$
 - A GEOCOMPOSITE WALL DRAIN SELECTED FROM THE DEPARTMENT'S QUALIFIED PRODUCTS LIST IS AN ACCEPTABLE SUBSTITUTE FOR THE SAND BLANKET SHOWN IN THE DRAINAGE DETAILS.
 - MAINTAIN 2" COVER ON ALL REINFORCING STEEL IN THE STEM AND 3" COVER IN THE FOOTING AND KEY.
 - THE WALL WILL BE MEASURED ALONG THE INSIDE FACE OF PARAPET.
 - BACKFILL - PLACE BACKFILL ON FRONT FACE SIDE OF WALL BEFORE BACKFILLING BACK FACE SIDE OF WALL.
 - RETAINING WALL WILL BE PAID FOR PER LINEAR FOOT PARAPET RETAINING WALL TYPE P1, P2 OR P3. INCLUDE COSTS FOR HANDRAIL, WATERPROOFING, EXCAVATION, BACKFILLING, DRAINAGE BLANKET, CONCRETE, REINFORCING STEEL AND ALL INCIDENTALS IN PRICE BID. PAYMENT WILL BE MADE UNDER ITEM NO. 500, PARAPET RETAINING WALL - TYPE P1, P2 OR P3.

NOTE:
 PARAPET RETAINING WALL SHALL BE USED ONLY ADJACENT TO ROADWAY TYPICAL SECTIONS WITH CURB AND GUTTER AND SIDEWALKS. NOT TO BE USED ADJACENT TO ROADWAY SHOULDERS OR FILL SLOPES.

HEIGHT	WALL DIMENSIONS									REINFORCEMENT				Δ (INCHES)	DESIGN SOIL PRESSURE	TYPE
	B	C	D	E	F	H	T	K	S	X	Y	Z				
4'	0	0	1'-0"	2'-0"	5'-10"	3'-9"	1'-0"	0	#5 AT 12"	#5 AT 12"	#5 AT 13"	#4 AT 12"	0	2.0 KSF	P1	
6'	0	0	1'-0"	2'-0"	6'-7"	4'-3"	1'-3"	0	#5 AT 11"	#5 AT 11"	#5 AT 12"	#4 AT 12"	1/8"	2.0 KSF	P1	
8'	0	0	1'-0"	2'-9"	7'-4"	4'-9"	1'-6"	0	#6 AT 11"	#6 AT 11"	#5 AT 8"	#4 AT 12"	1/4"	2.0 KSF	P2	
10'	0	0	1'-3"	3'-9"	7'-10"	5'-0"	1'-9"	0	#7 AT 10"	#7 AT 10"	#6 AT 10"	#4 AT 12"	3/8"	2.5 KSF	P2	
12'	6"	4"	1'-3"	3'-9"	8'-4"	5'-3"	2'-0"	6"	#7 AT 11"	#7 AT 11"	#6 AT 8"	#4 AT 8"	1/2"	3.0 KSF	P3	
14'	6"	6"	1'-3"	6'-3"	9'-7"	5'-9"	2'-9"	12"	#9 AT 12"	#9 AT 12"	#8 AT 11"	#5 AT 9"	11/16"	3.0 KSF	P3	



DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA

CONSTRUCTION DETAIL
 PARAPET RETAINING WALL
 TYPE P1, P2 AND P3

NO SCALE

JULY 2003

NUMBER
 PW-1

DESIGNED	SWW	DESIGN GROUP	SWW
DRAWN	KHM/WMC	REVIEWED	JPT/MCD
CHECKED	SWW	APPROVED	PVL