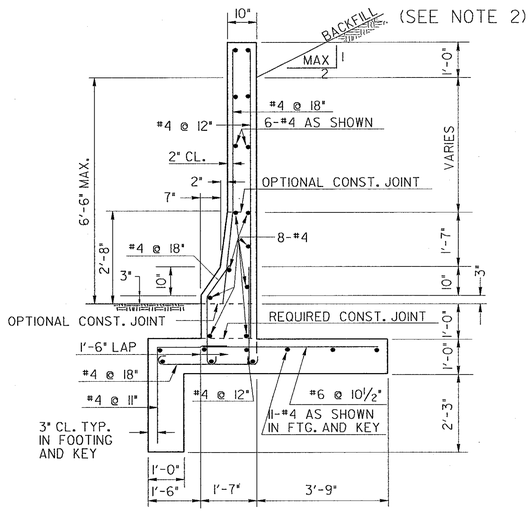
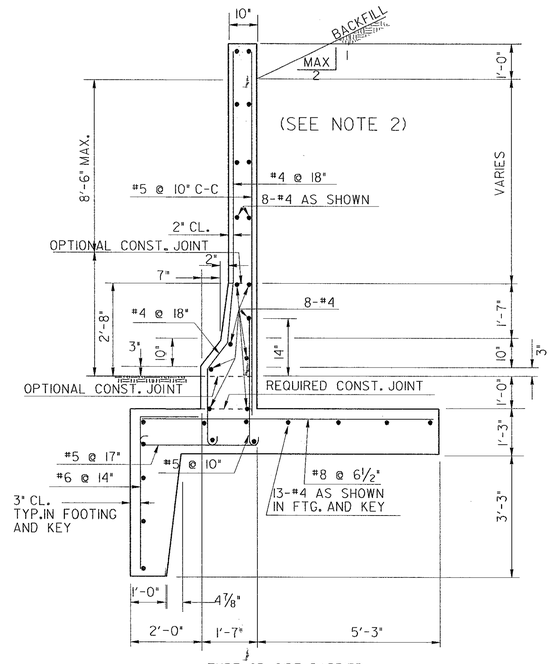
5/23/00 2:30:23 PM \\GDOT-DSN1\GOPLOT\OCF\go_8855_mylar. gcf darcyd M:\David\working\4948c.plt

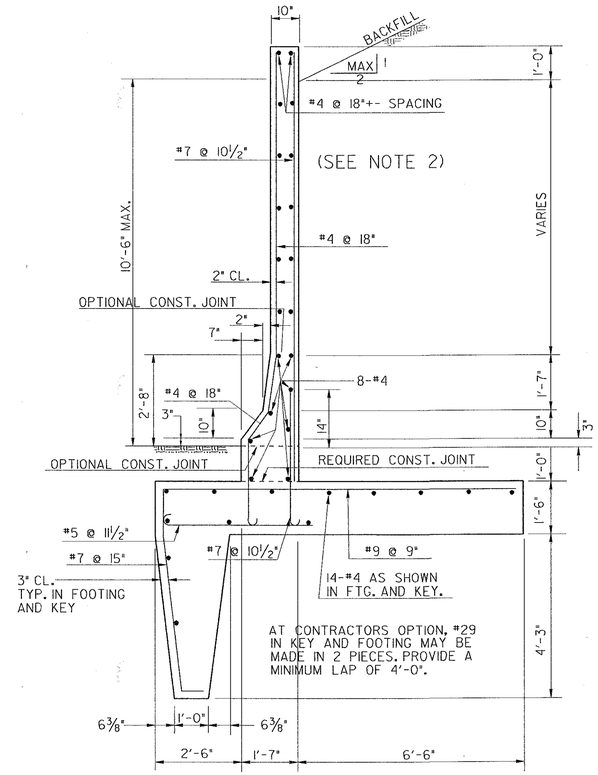
| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA. | | 794 | 995 |




TYPE 6A SIDE BARRIER




TYPE 6B SIDE BARRIER

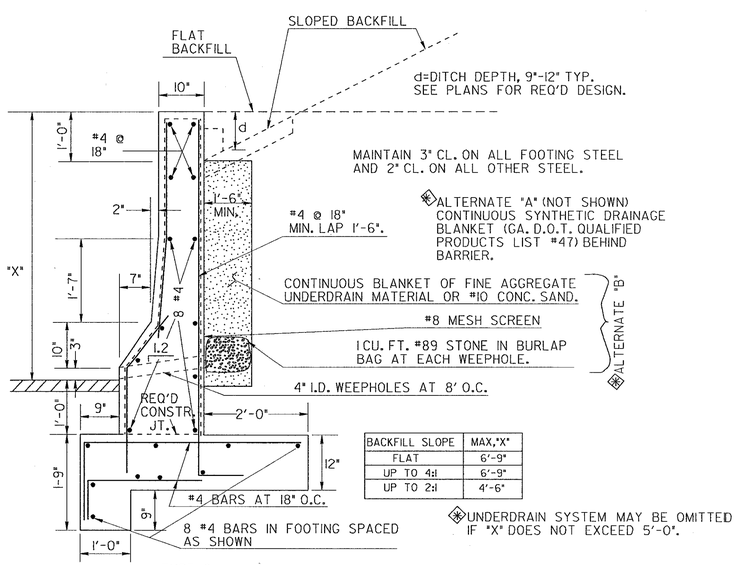



TYPE 6C SIDE BARRIER

NOTES:

1. AT CONTRACTORS' OPTION SIDES OF FOOTING KEY MAY BE VERTICAL. MAINTAIN WIDTH SHOWN AT TOP OF KEY. BACKFILL FRONT FACE OF WALL FIRST.
2. WEEPHOLES, SAND BLANKET, AND DRAINAGE ITEMS SHOWN FOR TYPE 6 BARRIER, SHALL ALSO BE REQUIRED FOR TYPES 6-A, 6-B, AND 6-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 6, 6-A, 6-B, AND 6-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 6, 6-A, 6-B, AND 6-C SIDE BARRIER SHALL BE PAID FOR PER LIN. FT. AS CONCRETE SIDE BARRIER, TYPE 6, 6-A, 6-B, AND 6-C PRICE BID TO INCLUDE COST OF WATERPROOFING AND ALL INCIDENTALS AS SPECIFIED IN SECTION 621 OF THE STD. SPECIFICATIONS.
8. SIDE BARRIER DESIGNED FOR THE FOLLOWING SOIL PROPERTIES:

   $\phi$ = ANGLE OF INTERNAL FRICTION = 28°
   $\gamma$ = UNIT WEIGHT = 110 PCF
   $\mu$ = 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 DRAINAGE DETAILS.




| BACKFILL SLOPE | MAX."X" |
|---|---|
| FLAT | 6'-9" |
| UP TO 4:1 | 6'-9" |
| UP TO 2:1 | 4'-6" |

UNDERDRAIN SYSTEM MAY BE OMITTED IF "X" DOES NOT EXCEED 5'-0".

TYPE 6

| REQ'D. SOIL BEARING CAPACITY | |
|---|---|
| TYPE | CAPACITY |
| 6 OR 6-A | 1 TON/SF |
| 6-B | 1.25 TON/SF |
| 6-C | 1.5 TON/SF |

| DATE | REVISION | BY |
|---|---|---|
| | | |

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD

CONCRETE SIDE BARRIER
TYPES 6, 6A, 6B & 6C

JAN., 2000

DES. ____ (SUBMITTED) Ramesh Kanuri
DRW. ____ STATE ROADWAY AIRPORT DESIGN ENGR.
TRA. ____ (APPROVED)
CHK. ____ CHIEF ENGINEER

NUMBER 4948C

5/23/00 2:30:23 PM \\GDOT-DSN1\GOPLOT\OCF\go_8855_mylar. gcf darcyd M:\David\working\4948c.plt GO-RDB