CONST. NO.

| PROJECT NO. | YEAR | SHEET NO. |
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| | 2010 | |

REVISIONS

| NO. | DATE | BY | BRIEF DESCRIPTION |
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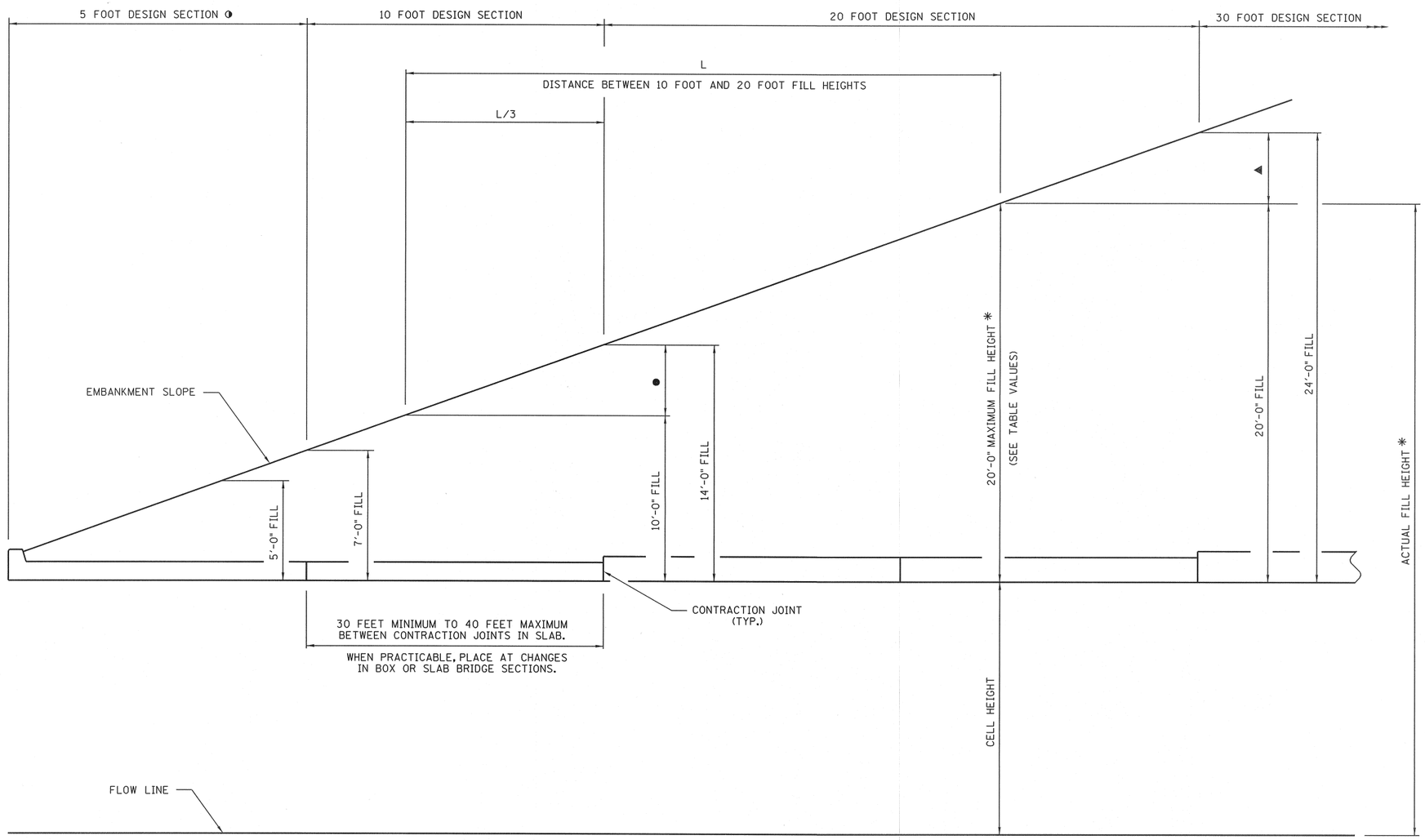


## NOTES

CHANGES IN DESIGN SECTION: WITHIN THE LIMITS OF FILL SLOPES, CHANGES IN BOX OR SLAB DESIGN SECTIONS SHALL GENERALLY OCCUR AT ABOUT THE ONE-THIRD POINT BETWEEN THE FILL HEIGHTS SHOWN IN THE DESIGN TABLES. IN THE DETAIL ON THIS DRAWING, THE 10 FOOT DESIGN SECTION CAN BE SPECIFIED FOR UP TO 14 FOOT OF ACTUAL FILL. HOWEVER, THE 30 FOOT TO 40 FOOT MAXIMUM SPACING REQUIREMENT FOR CONTRACTION JOINTS MAY MAKE IT MORE ADVANTAGEOUS TO LOCATE THE CHANGE IN DESIGN SECTIONS AT A DISTANCE LESS THAN THE ONE-THIRD POINT.

MINIMUM DESIGN SECTION: THE 10 FOOT DESIGN SECTION WILL BE THE MINIMUM DESIGN SECTION WHEN THE FILL ON THE BOX OR SLAB BRIDGE IS 7 FOOT OR GREATER. WHEN THE MAXIMUM FILL IS LESS THAN 7 FEET, USE THE APPROPRIATE DESIGN SECTION IN THE TABLES (5 FOOT, 3 FOOT OR NO FILL).

◑ WHEN THE FILL HEIGHT ON A SIDE SLOPE IS LESS THAN 7 FEET, THE DESIGN SECTION FOR 5 FEET OF FILL MAY BE USED TO THE END OF THE BOX OR SLAB BRIDGE.

* NOTE: WHEN SELECTING THE CROSS-SECTION TO BE USED IN THE CONSTRUCTION OF A BOX OR SLAB TYPE BRIDGE, ENTER THE TABLE COLUMN "MAXIMUM FILL HEIGHT" (FAR LEFT COLUMN) AT THE VALUE OF THE FILL HEIGHT MEASURED FROM THE BOTTOM OF THE TOP SLAB TO THE TOP OF THE FILL.

● DENOTES 1/3 × (20-10) IS APPROXIMATELY 4 FEET

▲ DENOTES 1/3 × (30-20) IS APPROXIMATELY 4 FEET

## DESIGN SECTION LIMITS DETAIL

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

# DESIGN SECTION LIMITS

## STANDARD REINFORCED CONCRETE BRIDGE BOX AND SLAB TYPE

2010

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

| | | | |
|---|---|---|---|
| DESIGNED BY | CMH / MAH | DATE | 12-09 |
| DRAWN BY | DIANE BUSH | DATE | 04-10 |
| SUPERVISED BY | RLH / JWP / MAH | DATE | 12-09 |
| CHECKED BY | | DATE | |

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