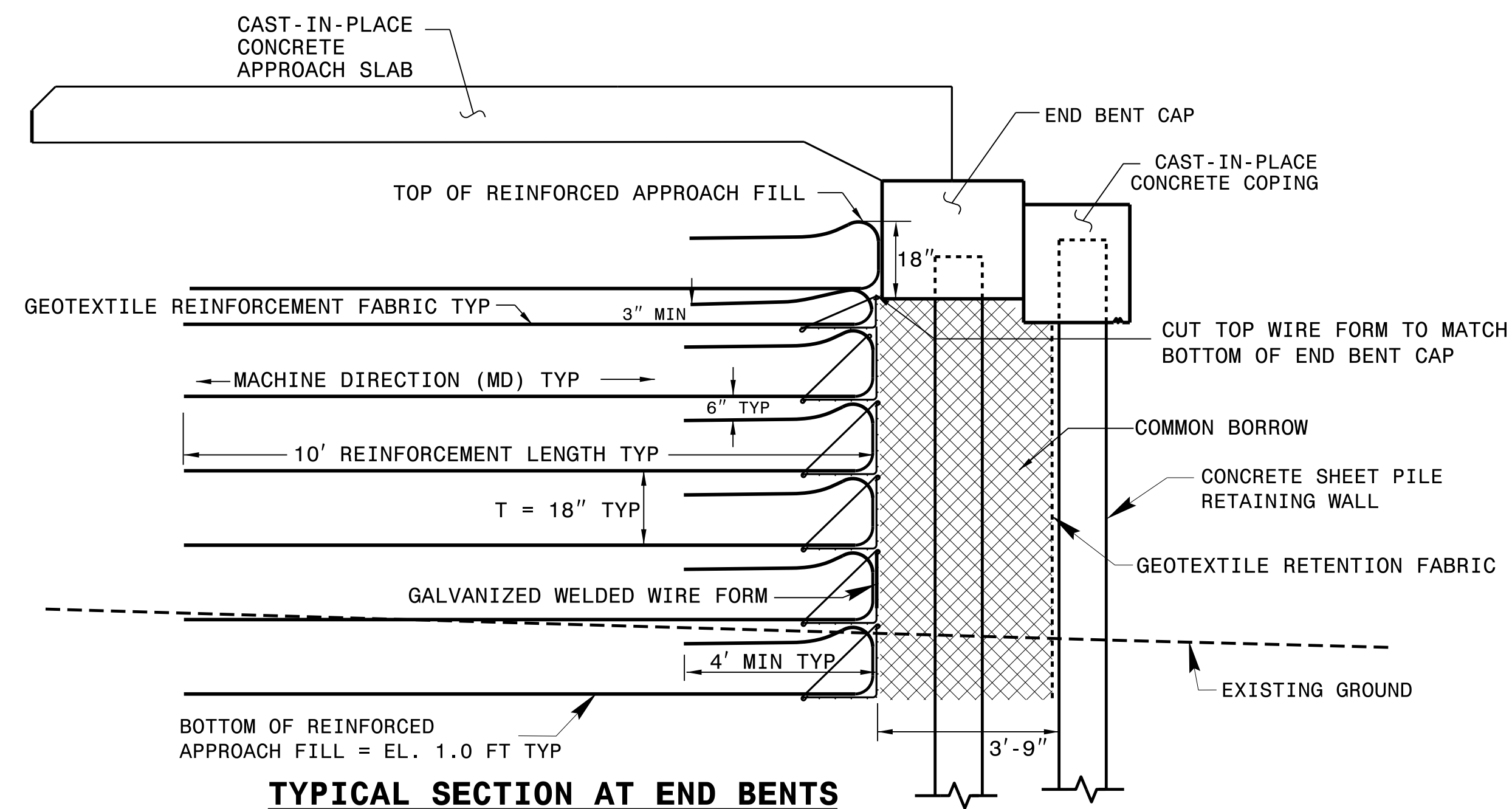
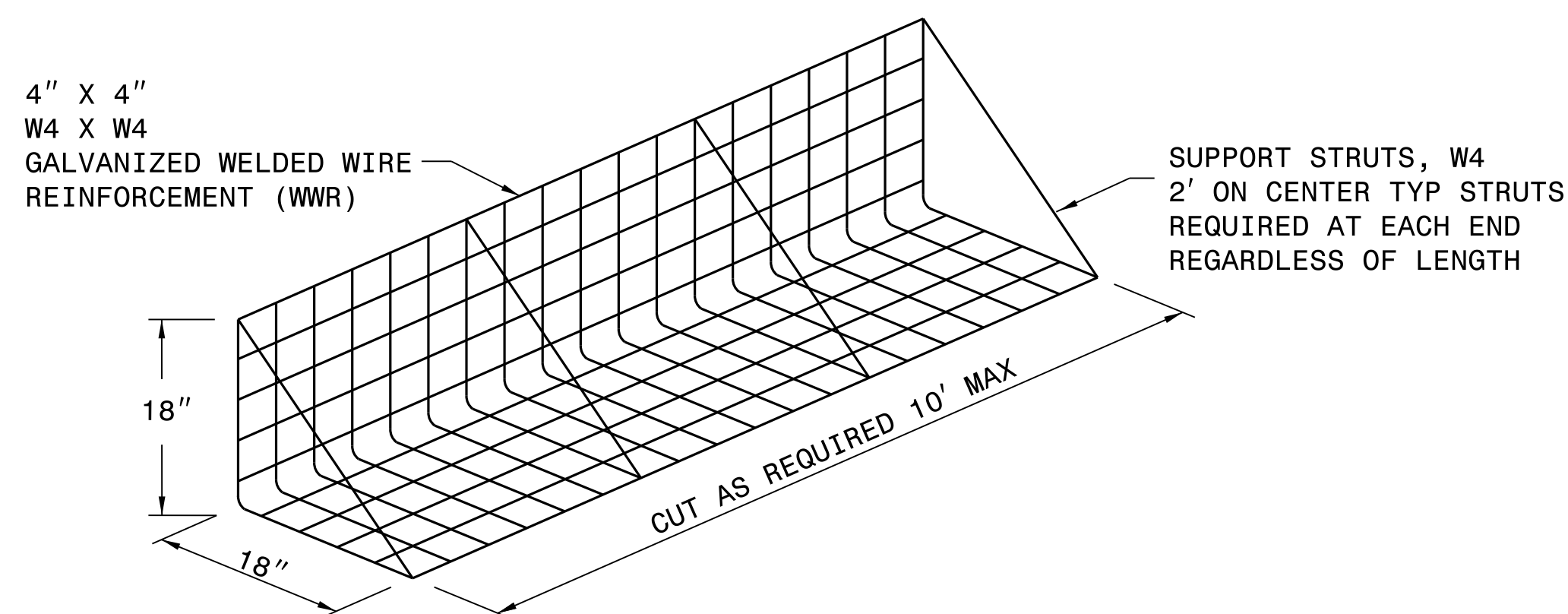


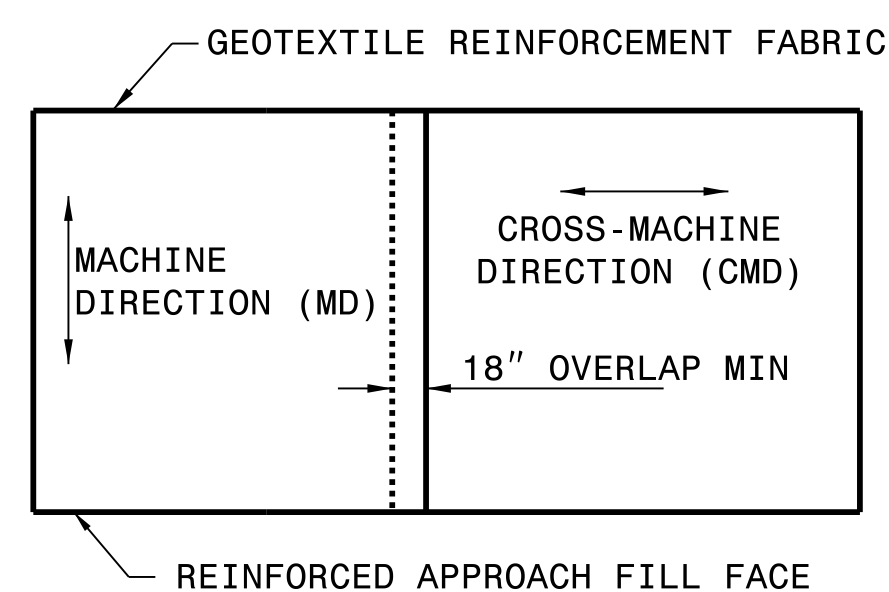
**TYPICAL SECTION AT RETAINING WALLS**



**TYPICAL SECTION AT END BENTS**



**WELDED WIRE FORM**



**PLAN VIEW OF REINFORCEMENT GEOTEXTILE OVERLAP**

**NOTES**

- FOR REINFORCED APPROACH FILLS, SEE REINFORCED APPROACH FILLS SPECIAL PROVISION.
- CONTROL DRAINAGE DURING CONSTRUCTION IN THE VICINITY OF REINFORCED APPROACH FILLS.
- COLLECT AND DIRECT RUNOFF AWAY FROM REINFORCED APPROACH BACKFILL.
- INSTALL CONCRETE SHEET PILES AND END BENT PILES PRIOR TO CONSTRUCTING REINFORCED APPROACH FILLS.
- EXCAVATE AS NECESSARY TO CONSTRUCT BOTTOM OF REINFORCED APPROACH FILLS TO THE ELEVATION SHOWN ON THE PLANS.
- INSTALL GEOTEXTILE RETENTION FABRIC UP BACK FACE OF CONCRETE SHEET PILES AS SHOWN ON TYPICAL SECTION. SUBMIT CONSTRUCTION ADHESIVE TO THE ENGINEER FOR REVIEW AND APPROVAL TO HOLD GEOTEXTILE RETENTION FABRIC IN PLACE UNTIL SPACE BETWEEN APPROACH FILL FACING AND CONCRETE SHEET PILE RETAINING WALLS HAS BEEN BACKFILLED.
- OVERLAP GEOTEXTILE RETENTION FABRIC A MINIMUM OF 18".
- GEOTEXTILE RETENTION FABRIC SHALL MEET THE REQUIREMENTS OF TYPE 1 GEOTEXTILE AS SHOWN IN TABLE 1056-1 OF THE STANDARD SPECIFICATIONS.
- PLACE GEOTEXTILE REINFORCEMENT FABRIC AT LOCATIONS AND ELEVATIONS SHOWN ON THIS PLAN SHEET AND IN SLIGHT TENSION FREE OF KINKS, FOLDS, WRINKLES OR CREASES.
- ERECT WELDED WIRE FORMS AS SHOWN ON THIS PLAN SHEET.
- STAGGER VERTICAL JOINTS OF WELDED WIRE FORMS TO CREATE A RUNNING BOND.
- PLACE WELDED WIRE FORMS AS NEAR TO VERTICAL AS POSSIBLE WITH NO NEGATIVE BATTER. CONSTRUCT REINFORCED APPROACH FILLS WITH A MAXIMUM VERTICAL AND HORIZONTAL TOLERANCE OF 3" WHEN MEASURED WITH A 10'-0" STRAIGHT EDGE AND AN OVERALL VERTICAL PLUMBNESS (BATTER) AND HORIZONTAL ALIGNMENT OF LESS THAN 6".
- DO NOT SPLICE OR OVERLAP GEOTEXTILE REINFORCEMENT FABRIC IN THE MACHINE DIRECTION (MD), i.e., PARALLEL TO THE REINFORCED APPROACH FILL FACE. OVERLAPS ONLY ARE ALLOWED IN THE CROSS-MACHINE DIRECTION (CMD).
- PLACE BACKFILL WITHIN REINFORCED APPROACH FILLS IN 8" TO 10" THICK LIFTS AND COMPACT IN ACCORDANCE WITH SUBARTICLE 235-3(C) OF THE STANDARD SPECIFICATIONS. USE ONLY HAND OPERATED COMPACTION EQUIPMENT WITHIN 3'-0" OF THE REINFORCED APPROACH FILL FACE.
- WRAP GEOTEXTILE REINFORCEMENT FABRIC AT VERTICAL CORNERS AS DIRECTED BY THE ENGINEER.
- DO NOT DAMAGE GEOTEXTILE REINFORCEMENT FABRIC OR WELDED WIRE FORMS WHEN PLACING AND COMPACTING BACKFILL. DO NOT OPERATE HEAVY EQUIPMENT ON GEOTEXTILE REINFORCEMENT FABRIC UNTIL IT IS COVERED WITH AT LEAST 8" OF BACKFILL. DO NOT USE SHEEPSFOOT, GRID ROLLERS OR OTHER TYPES OF COMPACTION EQUIPMENT WITH FEET.
- CONSTRUCT REINFORCED APPROACH FILLS TO BOTTOM OF COPING AND BOTTOM OF END BENT CAP ELEVATIONS PRIOR TO FILLING SPACE BETWEEN FACE OF REINFORCED APPROACH FILL AND BACK OF CONCRETE SHEET PILING WITH COMMON BORROW.
- BACKFILL SPACE WITH COMMON BORROW BETWEEN FACE OF REINFORCED APPROACH FILL AND BACK OF CONCRETE SHEET PILING PRIOR TO PLACING FINAL FABRIC LIFT AS SHOWN IN DETAILS. ADD LIMITED AMOUNTS OF WATER AS DIRECTED BY THE ENGINEER TO AIDE COMMON BORROW PLACEMENT.
- COMPACT TOP OF COMMON BORROW PLACED BETWEEN FACE OF REINFORCED APPROACH FILL AND BACK OF CONCRETE SHEET PILING PRIOR TO PLACING FINAL FABRIC LIFT USING HAND OPERATED COMPACTION EQUIPMENT TO THE SATISFACTION OF THE ENGINEER.
- CONSTRUCT RETAINING WALL COPINGS AND END BENT CAPS PRIOR TO PLACING FINAL GEOTEXTILE REINFORCING FABRIC LIFT. PLACE FINAL GEOTEXTILE REINFORCING FABRIC LIFT DIRECTLY AGAINST IN PLACE RETAINING WALL COPINGS AND END BENT CAPS WITHOUT USING WELDED WIRE FORMS.

PROJECT NO.: B-2500AB  
DARE COUNTY  
STATION: 3170+75.00 -L-  
SHEET 2 OF 2

**GEOTECHNICAL ENGINEERING UNIT**

EASTERN REGIONAL OFFICE  
 WESTERN REGIONAL OFFICE  
 CONTRACT OFFICE

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	W-13
1			3			TOTAL SHEETS
2			4			13

**REINFORCED APPROACH FILLS**