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 ericward AT US\_12.260

5/14/99

STATE OF NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR  
**CABLE GUIDERAIL**  
 ANCHOR DETAILS

SHEET 9 OF 11  
**865D01**

**ANCHOR UNIT DETAIL TOP VIEW LEFT HAND**  
 (REINFORCEMENT NOT SHOWN)  
 TWO PIECE

**ANCHOR UNIT DETAIL TOP VIEW RIGHT HAND**  
 (REINFORCEMENT NOT SHOWN)  
 TWO PIECE

**ANCHOR UNIT & RE-BAR INSTALLATION DETAIL**  
 TWO PIECE

**ANCHOR UNIT DETAIL LEFT HAND**  
 (REINFORCEMENT NOT SHOWN)

NOTE: SET THE CONCRETE ANCHOR INTO THE EXCAVATION AS DETAILED. THE BOTTOM OF THE ANCHOR MUST HAVE A FULL AND EVEN BEARING ON THE SURFACE UNDER IT SO THAT IF THE CONTRACTOR ELECTS TO PLACE THE ANCHOR IN TWO SECTIONS, THERE WILL BE LITTLE OR NO DIFFERENTIAL SETTLEMENT. IF THE CONTRACTOR ELECTS TO PLACE THE ANCHOR IN TWO SECTIONS, PLACE THE TOPS OF BOTH SECTIONS ON THE SAME PLANE. AFTER THE ANCHOR IS IN PLACE, BACKFILL THE EXCAVATION.

NOTE: USE ONE OR TWO PIECE ANCHOR. DIMENSIONS OF TWO PIECE ANCHOR ARE SHOWN ON DRAWING. DIMENSIONS OF ONE PIECE ANCHOR ARE 5'-0" LONG BY 3'-0" WIDE BY 3'-4" HIGH.

NOTE: BOLT PATTERN & CONTRACTOR MAY CAST ANCHOR AS ONE UNIT OR TWO UNITS AS SHOWN.

ANCHOR RODS  
 8 3/4" DIA. ASTM A 568M CLASS 4.6 RODS OR 8 NO. 6 BARS 25" LONG W/ ACI HOOK AND THE TOP 2" THREADED FOR A 3/4" NUT.

ANCHOR ANGLES  
 8-3/4" NUTS W/ FLAT WASHERS (GALV.)

SLIP IMPACT BASE  
 LIMITS OF EXCAVATION FOR CONCRETE ANCHOR  
 ALL SIDES

POST Ø

CONCRETE ANCHOR  
 3" TYPICAL

SHOULDER

ANCHOR POST

SLOPED TOP 1:6  
 SIDE SLOPE

IN EACH FACE, THREE HORIZONTAL & TWO VERTICAL #5 BARS

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**SPRING CABLE END ASSEMBLY (COMPENSATING DEVICE)**

**TURNBUCKLE CABLE END ASSEMBLY**

**CABLE WEDGE**  
 TYPICAL WEDGE FOR ALL SPLICES AND CABLE FITTINGS

**CABLE SPLICE**  
 NOTE: USE WITH WEDGE

WASHER SERIES	WASHER THICKNESS	A INSIDE DIA.	B OUTSIDE DIA.	C THICKNESS
3/4"	REGULAR	7/8"	2"	5/32"
1/2"	WIDE	7/8"	2 5/8"	3/8"
1/2"	NARROW	1 7/8"	1"	3/32"

NOTE: USE WITH WEDGE

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SHEET 10 OF 11  
**865D01**

DESIGN SERVICES UNIT  
 STANDARDS AND SPECIAL DESIGN  
 Office 919-250-4128 FAX 919-250-4119

**SEE PLATE FOR TITLE**

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