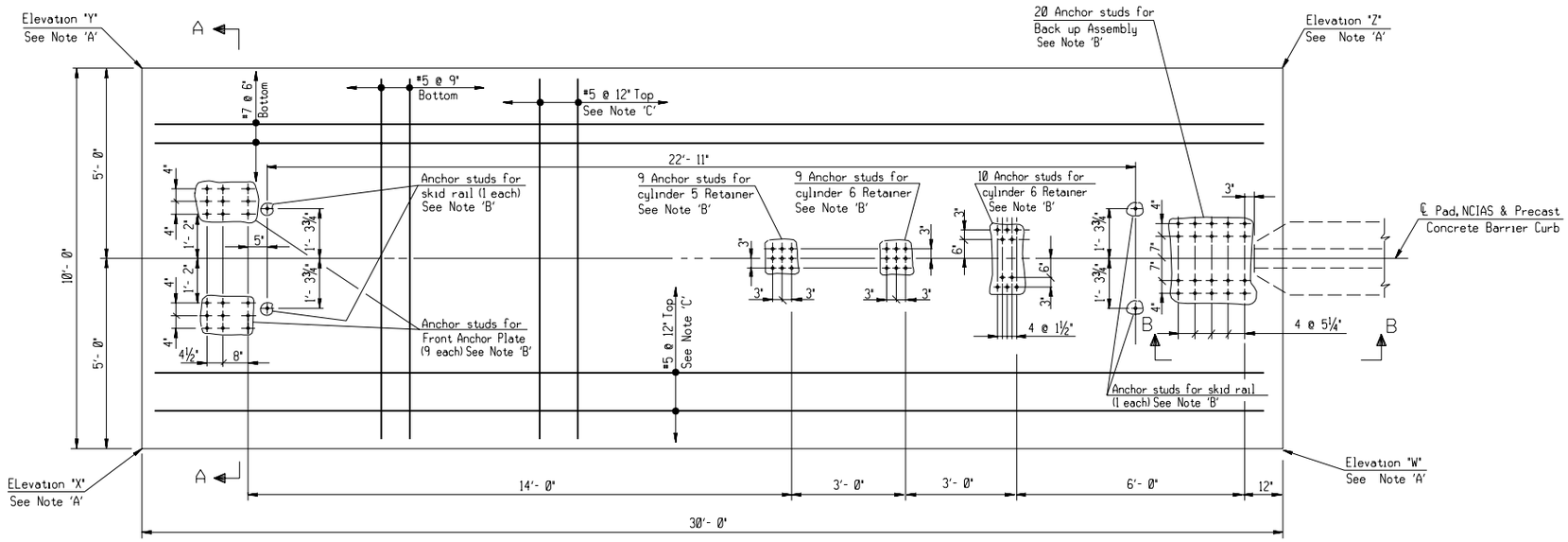
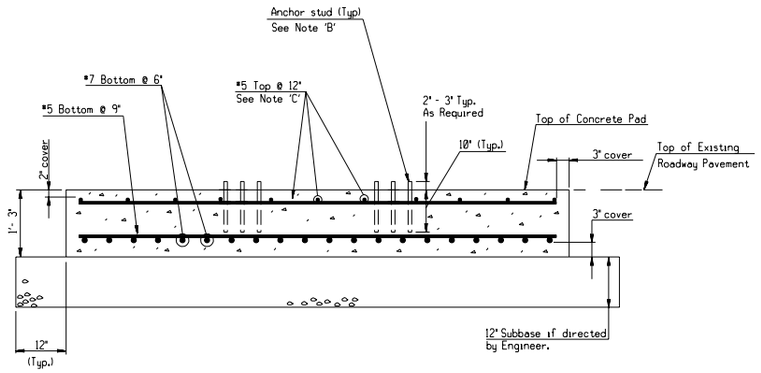
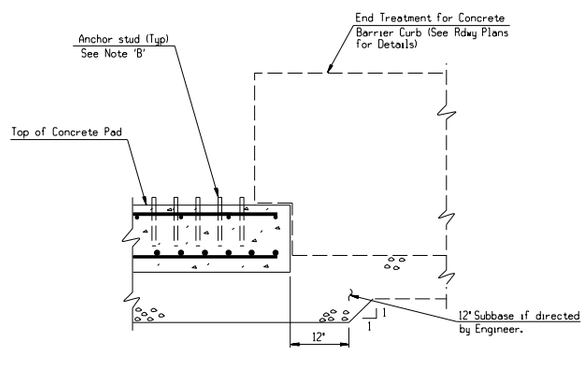
F.H.W.A. REGION NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONNECTICUT							



CONCRETE PAD PLAN
FOR NCIAS



SECTION A-A
Scale: ¾"= 1'- 0"



SECTION B-B
Scale: ¾"= 1'- 0"

INSTALLATION OF NARROW CONNECTICUT IMPACT ATTENUATION SYSTEM (NCIAS)

GENERAL NOTES

Specifications: Connecticut Department of Transportation Form 814 (1989) and Special Provisions.

Design Specifications: Standard Specifications for Highway Bridges (AASHTO 1989) as supplemented by the Connecticut Department of Transportation Bridge Manual (1985).

Allowable Design Stresses:

Class "F" Concrete based on f'c = 4000 psi
Reinforcement ASTM Grade A615 Grade 60, fs= 24000 psi

Class "F" Concrete: Class "F" Concrete shall be used for the Narrow Connecticut Impact Attenuation System (NCIAS) Pad.

Reinforcement: All new deformed reinforcing steel shall be ASTM A615 Grade 60 Epoxy Coated.

Chemical Anchors: Anchor studs and nuts shall conform to ASTM A325.

Washers for anchor rods shall conform to ASTM F436.
Anchor rods, nuts, and washers shall be galvanized after fabrication in accordance with ASTM A153.

Method of Payment: All equipment, labor and materials for installation of the concrete pad for NCIAS shown on this sheet shall be included for payment at the contract unit price each for "Narrow Connecticut Impact Attenuator System" (Rdwy Item).

Note 'A' - Top of Pad elevations W,X,Y, and Z shall match elevations of top of adjacent existing roadway pavement unless otherwise directed by the Engineer.

Note 'B' - All anchor studs shall be ⅞" diameter, chemically imbedded. Anchor stud height and spacing may be modified as necessary to match thickness and hole spacing of actual base plates to be installed.

Note 'C' - Location of top reinforcing steel may be adjusted to clear anticipated anchor bolt hole locations.

The concrete pad details shown on this sheet are specifically designed for the "Narrow Connecticut Impact Attenuator System" developed by John F. Carney, III, March 1986.

STANDARD SHEET
CONNECTICUT DEPARTMENT OF TRANSPORTATION
NARROW CONNECTICUT IMPACT ATTENUATION SYSTEM CONCRETE PAD DETAILS

REVISIONS		
NO.	DATE	DESCRIPTION

Designed by: TDF Date: 2/90
Drafted by: BWC Date: 2/90
Checked by: RPZ Date: 3/90
Approval Rec: Date:
Approved: Date:
F.H.W.A. Approval: Date:

Scale: NOT TO SCALE

STANDARD NUMBER
1804-B7