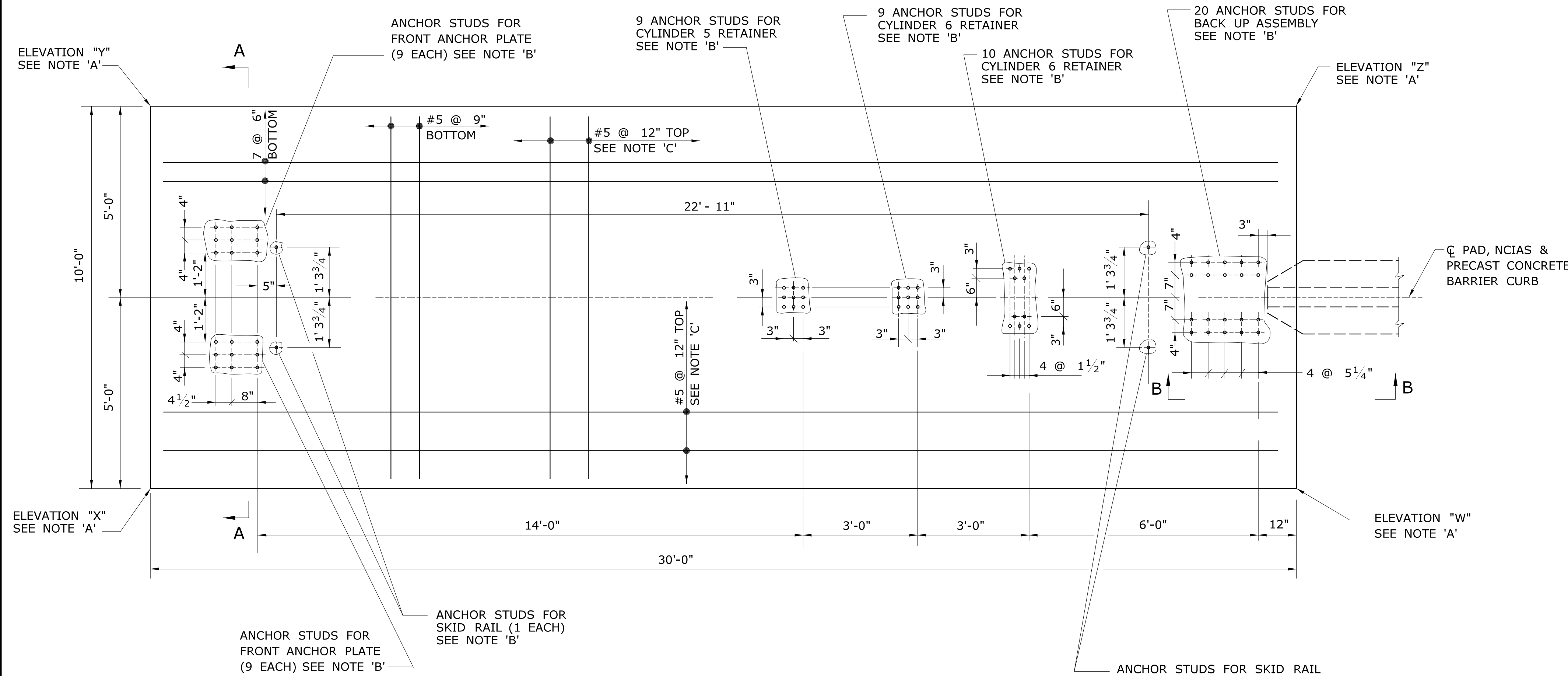


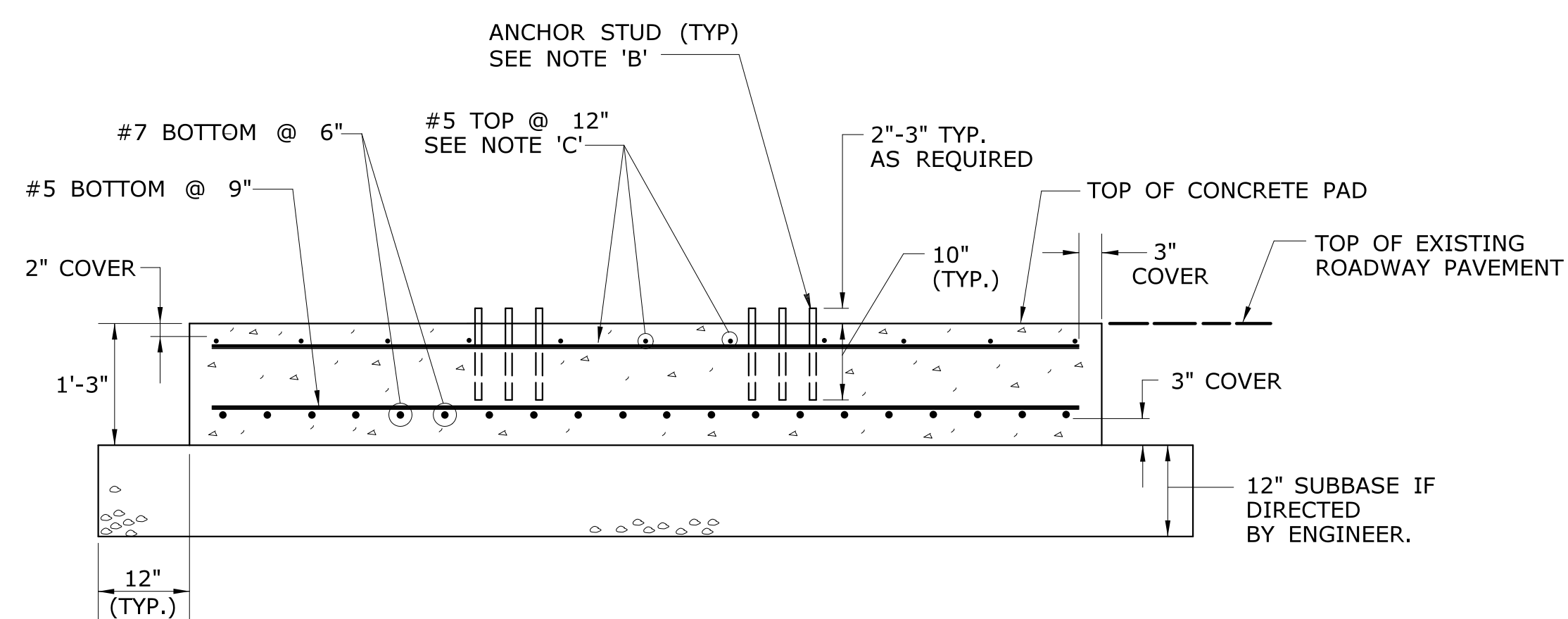
INSTALLATION OF NARROW CONNECTICUT IMPACT ATTENUATION SYSTEM (NCIAS)

GENERAL NOTES :

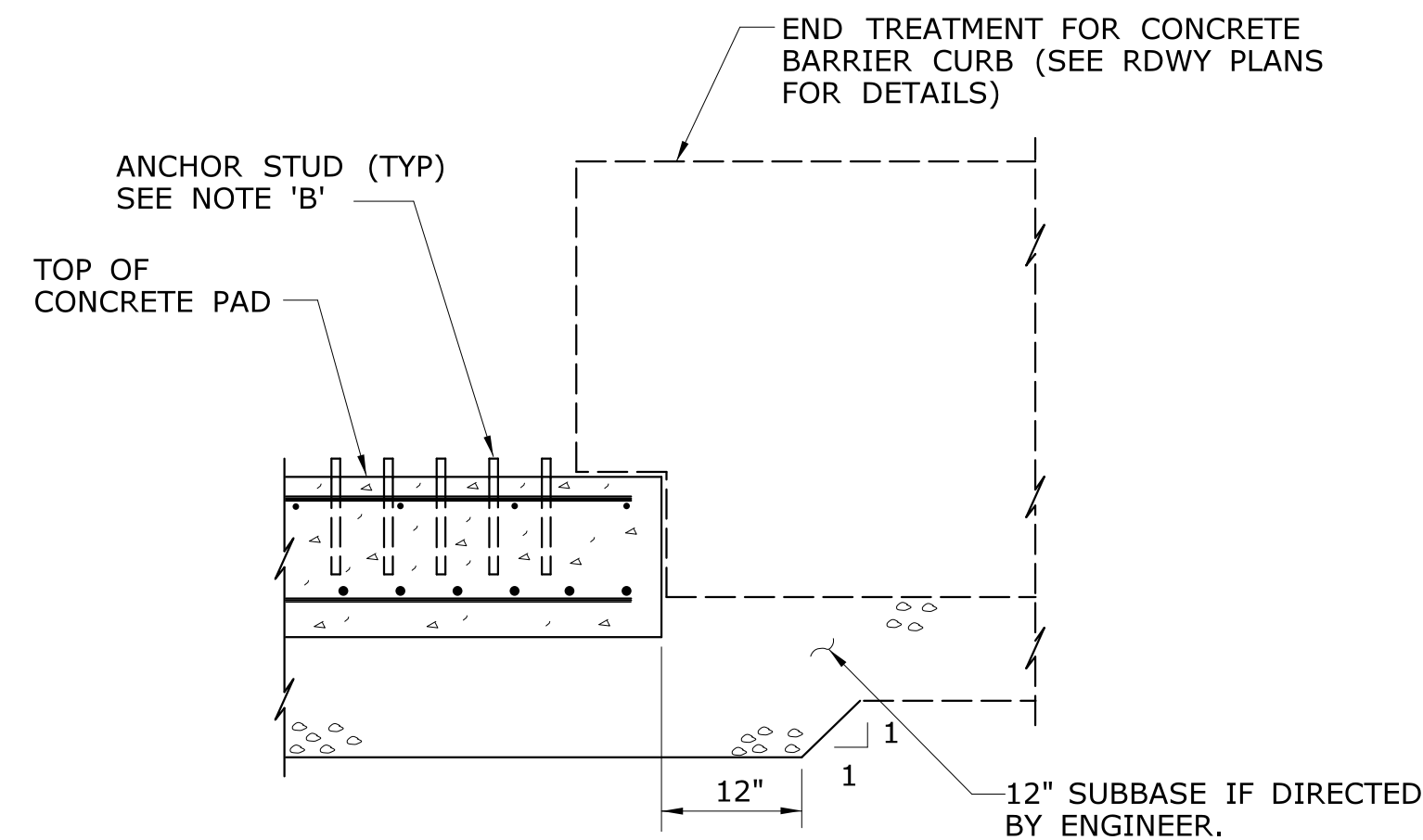
- SPECIFICATIONS : CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 814 (1989) AND SPECIAL PROVISIONS.
- DESIGN SPECIFICATIONS : STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES (AASHTO 1989) AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE MANUAL (1985).
- ALLOWABLE DESIGN STRESSES : CLASS "F" CONCRETE BASED ON $f'c = 4000$ psi REINFORCEMENT ASTM GRADE A615 GRADE 60, $f_s + 24000$ 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 EPOXY COATED.
- CHEMICAL ANCHORS : ANCHOR STUDS AND NUTS SHALL CONFORM TO ASTM A325. WASHERS FOR ANCHOR RODS 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 $\frac{7}{8}$ " 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.



CONCRETE PAD PLAN FOR NCIAS



SECTION A-A



SECTION B-B

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.

Revised 5/14/08

REV. DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 7/17/2013	DESIGNER/DRAFTER:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/BLOCK:	PROJECT TITLE:	TOWN:	PROJECT NO.:
				CHECKED BY:		OFFICE OF ENGINEERING		DRAWING TITLE:	DRAWING NO.:
				SCALE AS NOTED	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	APPROVED BY:	DATE:	MISCELLANEOUS CONNECTICUT DETAIL NCIAS CONCRETE PAD DETAILS	1804-B7 SHEET NO. \$\$\$