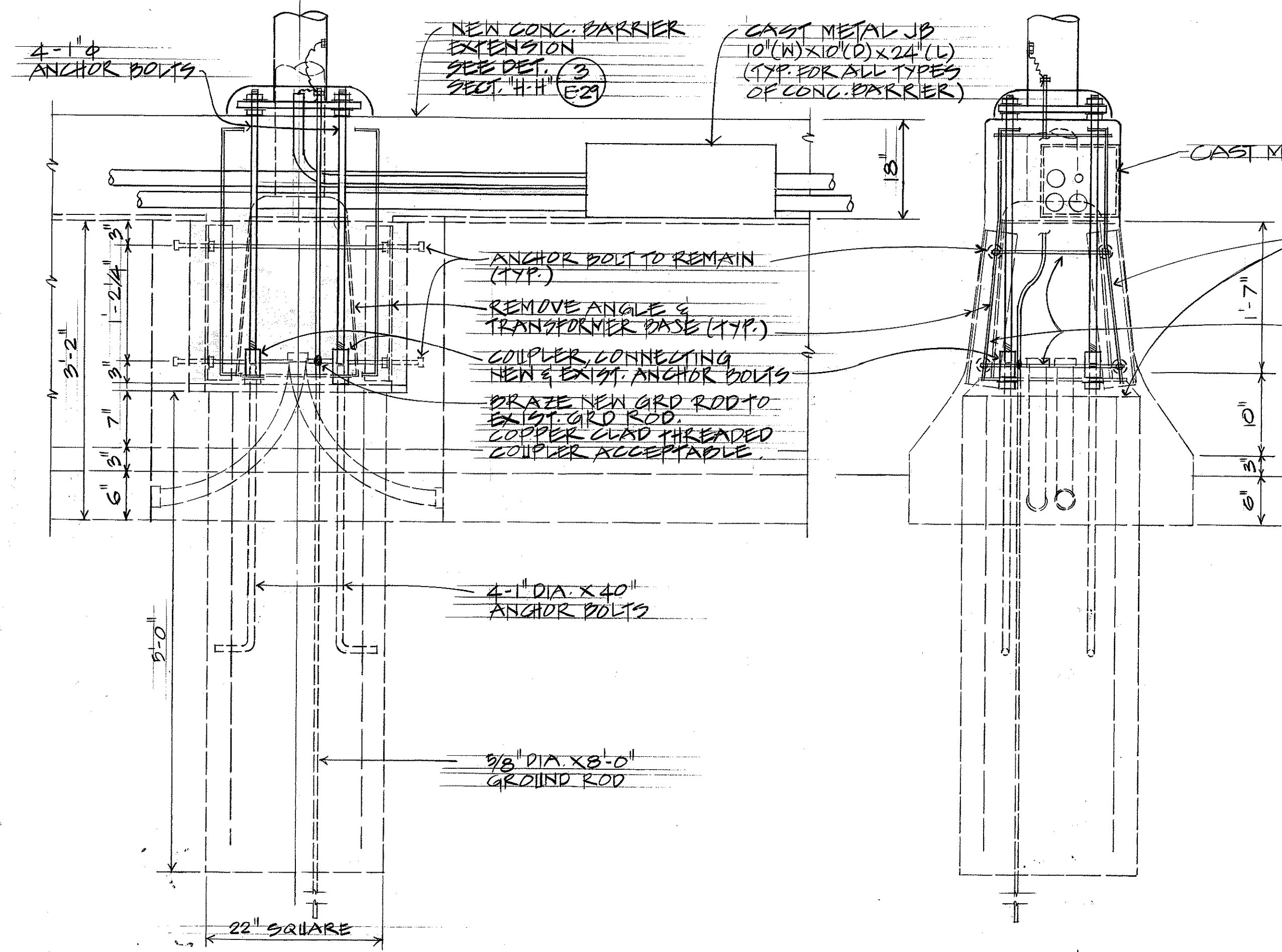


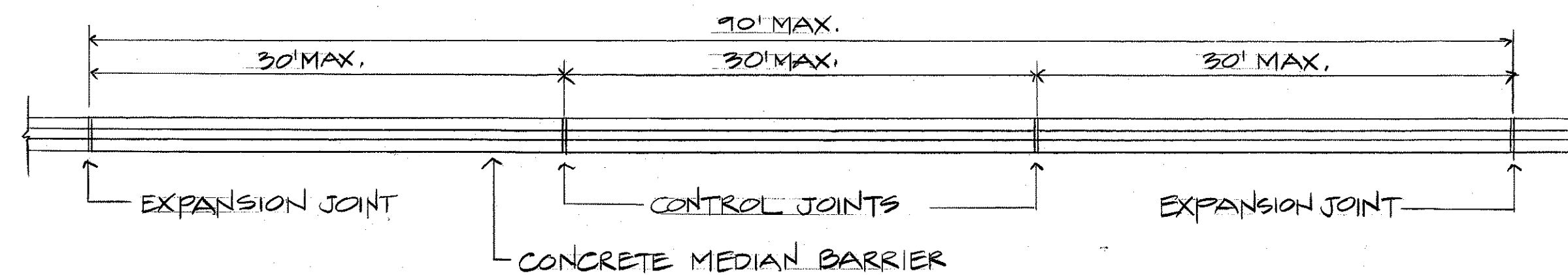
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(186)	1987	88	97



ELEVATION

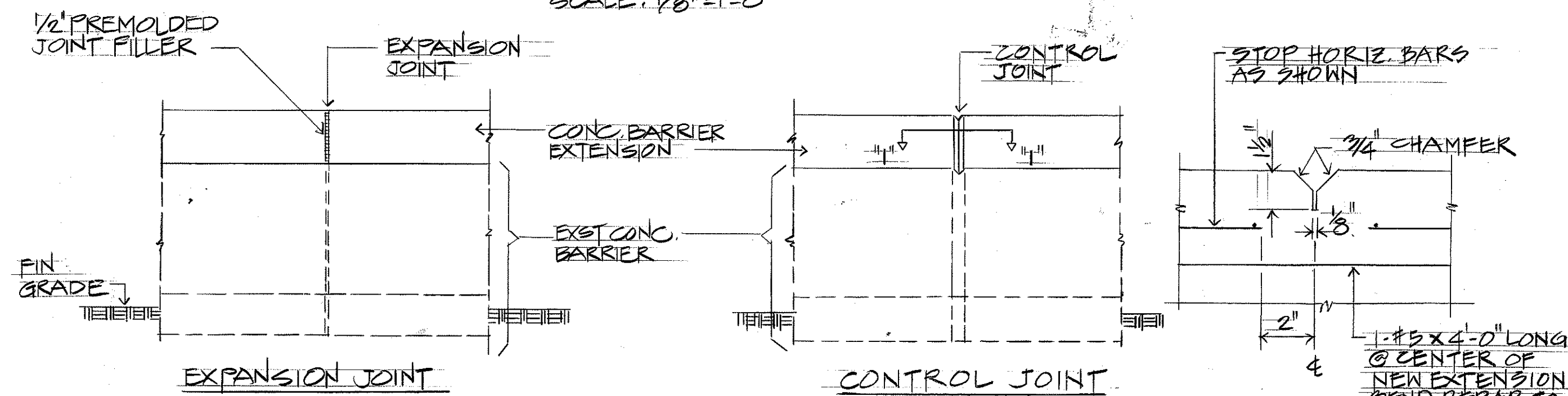
HIGHWAY LIGHTING STANDARD MOUNTING
DETAIL ON TYPE "A" CONCRETE BARRIER

SCALE: 1" = 1'-0"



PLAN

SCALE: 1/8" = 1'-0"



ELEVATION

SCALE: 1/2" = 1'-0"

SECTION "A-A"

SCALE: 3/4" = 1'-0"

A CONC. BARRIER JOINT DET.

E-23

HIGHWAY LIGHTING STANDARD MOUNTING
DETAIL ON TYPE "B" CONCRETE BARRIER

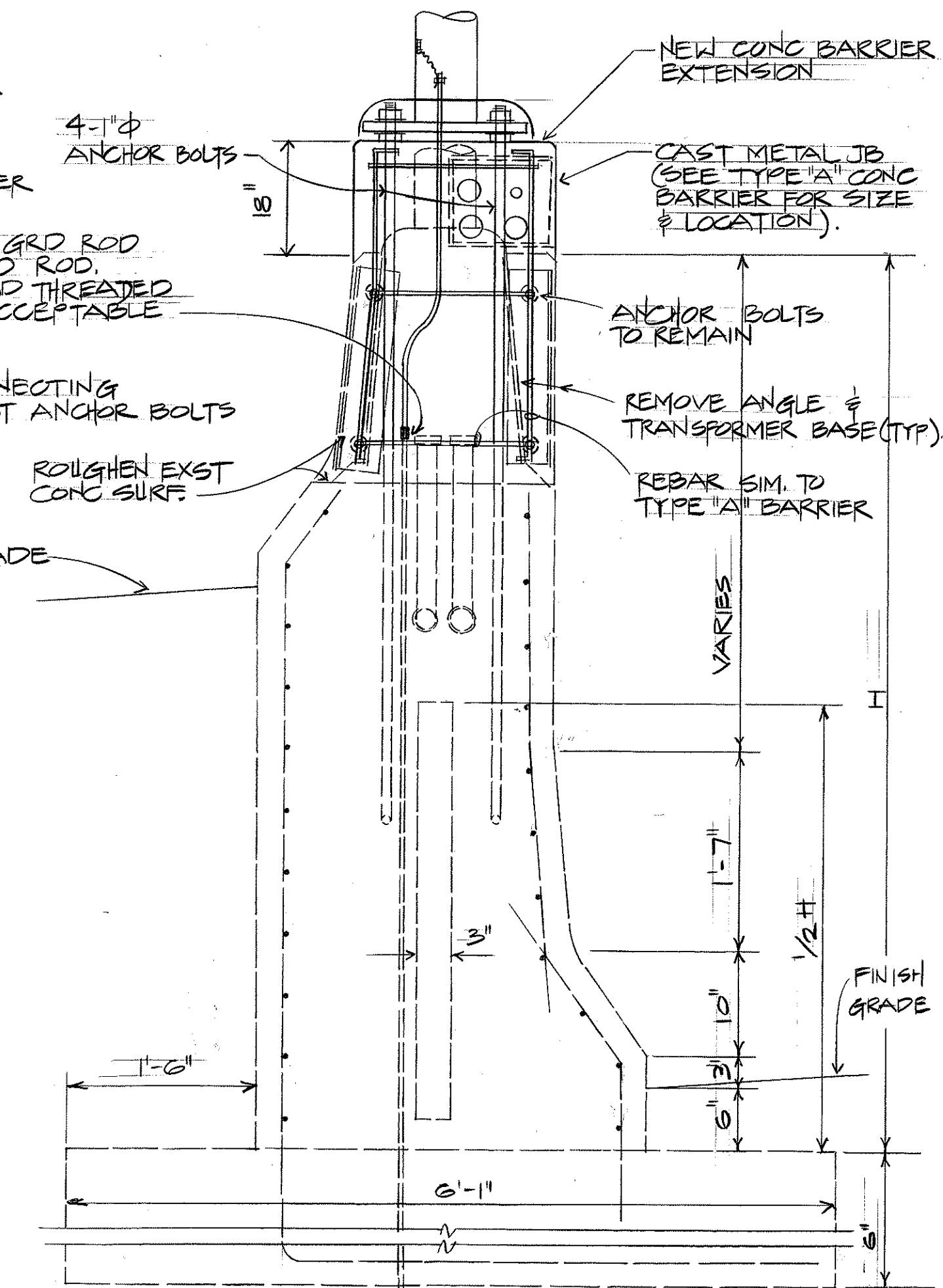
SCALE: 1" = 1'-0"

NOTES:

1. EXPANSION JOINTS SHALL BE CONSTRUCTED AT NINETY-FOOT (90 FT) MAXIMUM INTERVALS AND AT EXISTING EXPANSION JOINTS OF STRUCTURES (USE 1/2" PREMOULDED JOINT FILLER). CONTROL JOINTS SHALL BE PLACED BETWEEN EXPANSION JOINTS AT 30 FT. MAXIMUM.

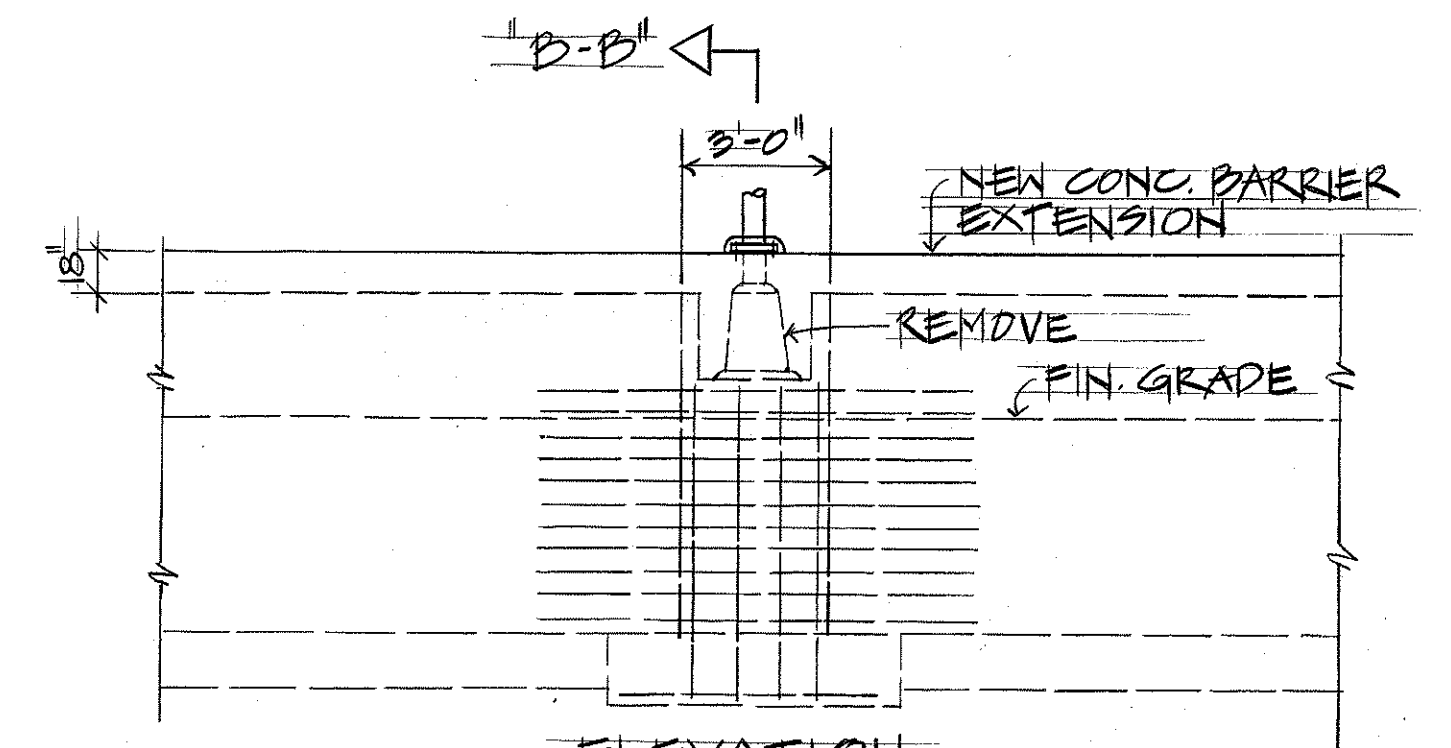
2. THE EXTERIOR SURFACE AND VERTICAL ALIGNMENT OF THE CONCRETE BARRIER SHALL BE CONSTRUCTED TO GIVE A UNIFORM AND PRESENTABLE APPEARANCE. VARIATION OF MORE THAN 1/4" IN 20 FT MAXIMUM AND 1/2" IN 40 FT OR MORE WILL BE CONSIDERED OBJECTIONABLE. THE ENGINEER SHALL DETERMINE THE ACCEPTABILITY OF THE WORK.

DURING THE COURSE OF THE WORK, SAMPLES MAY BE TESTED AND MEASUREMENTS MADE TO ESTABLISH WHETHER OR NOT THE SPECIFIED VALUES OR DIMENSIONS ARE BEING MET. THE ENGINEER SHALL DETERMINE THE DEGREE OF THE NON-CONFORMANCE, THE EFFECT ON THE SERVICEABILITY OF THE PROJECT, WHETHER THE WORK BE ACCEPTED AND REMAIN IN PLACE AND, IF SO, THE AMOUNT TO BE PAID FOR SUCH WORK, OR WHETHER THE WORK SHALL BE REMOVED AND REPLACED OR OTHERWISE CORRECTED AT THE CONTRACTOR'S EXPENSE.



SECTION "B-B"

SCALE: 1" = 1'-0"



ELEVATION

SCALE: 1/2" = 1'-0"

HIGHWAY LIGHTING STANDARD MOUNTING
DETAIL ON TYPE "C" & "D" CONCRETE BARRIER

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING STANDARD
ON NEW CONCRETE BARRIER
INTERSTATE ROUTE #1
HIGHWAY LIGHTING IMPROVEMENTS
AALA STREET TO PINCHBOWL STREET
KEEAMUKU STREET TO OLD WAIALAE ROAD
PROJECT NO. IR-HI-1(186)

SCALE: AS NOTED

DATE: 30 JAN 87

SHEET NO. E-23 OF 32 SHEETS



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

Wynn M. Nakamura