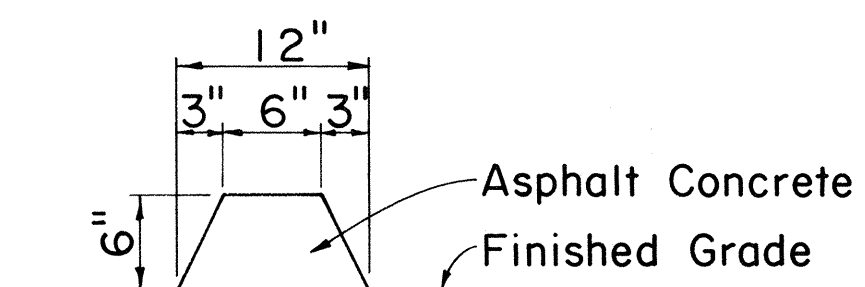
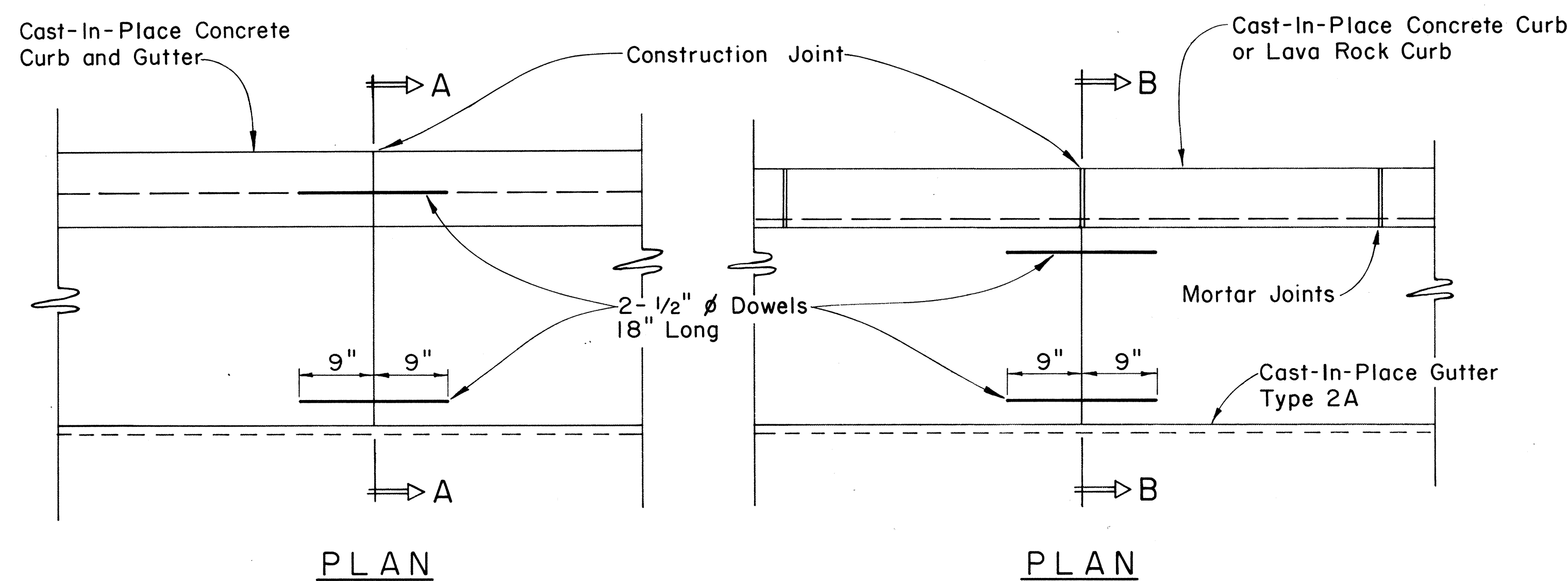
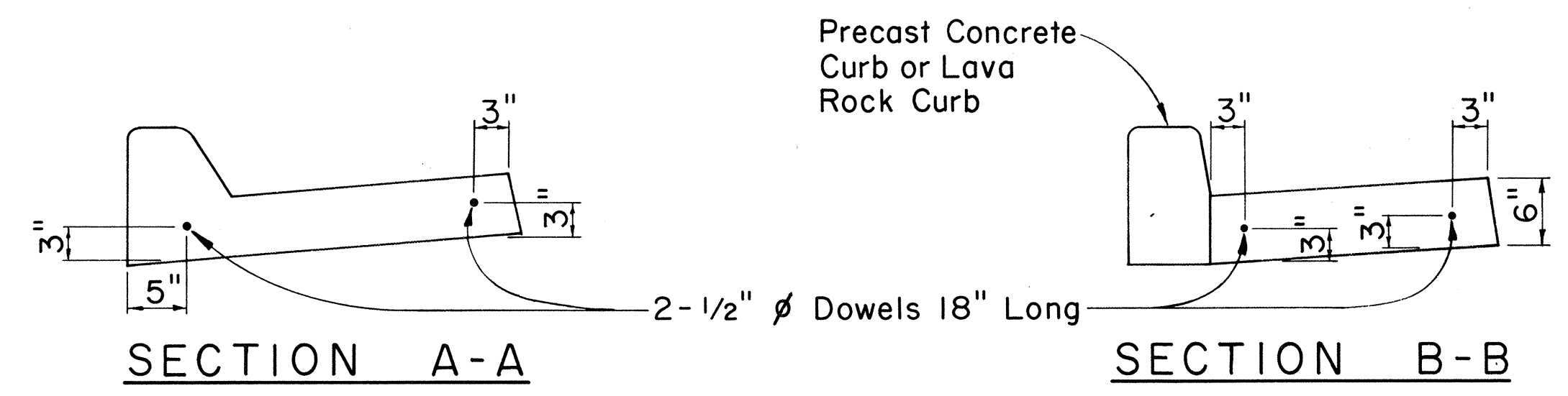
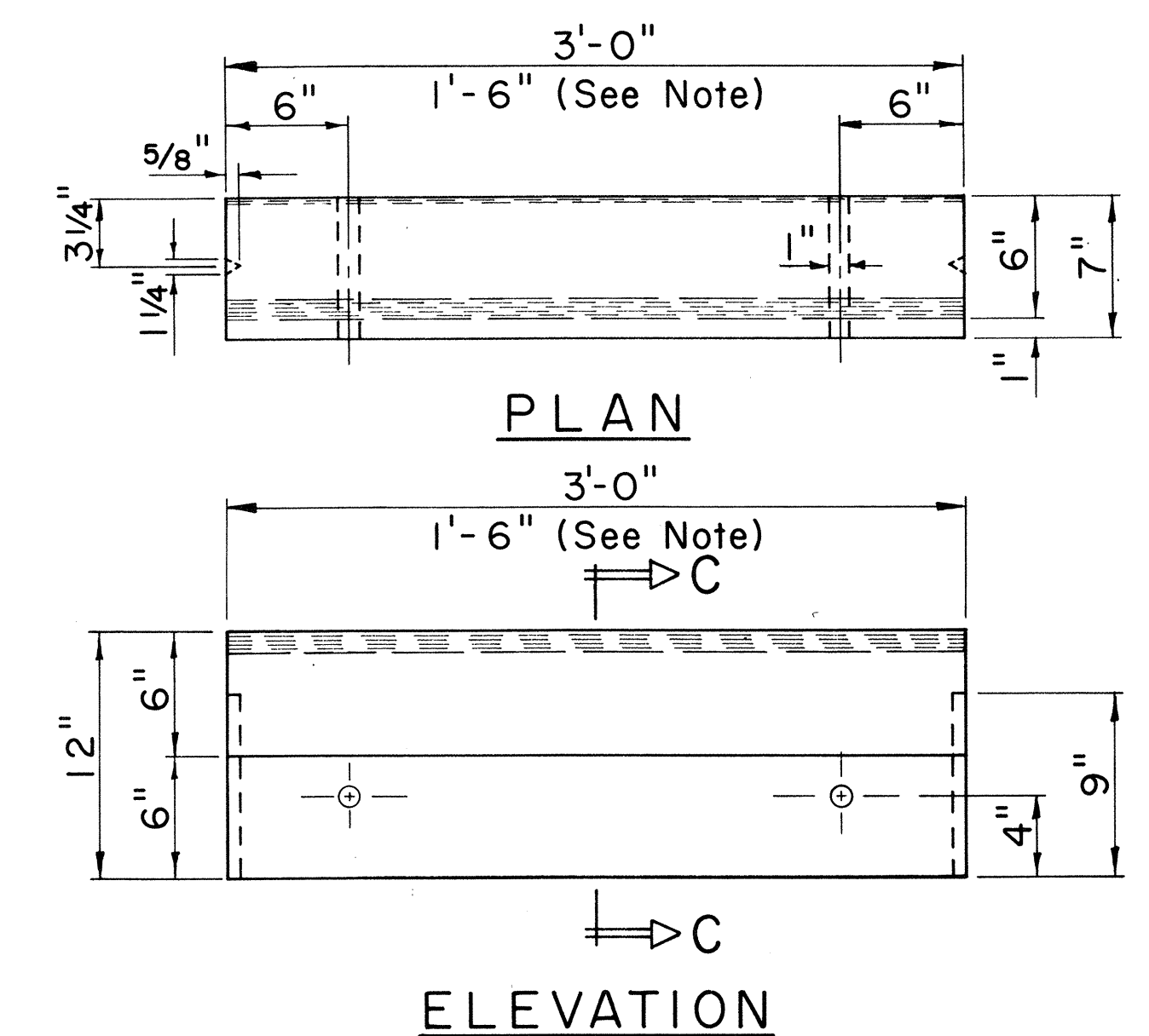


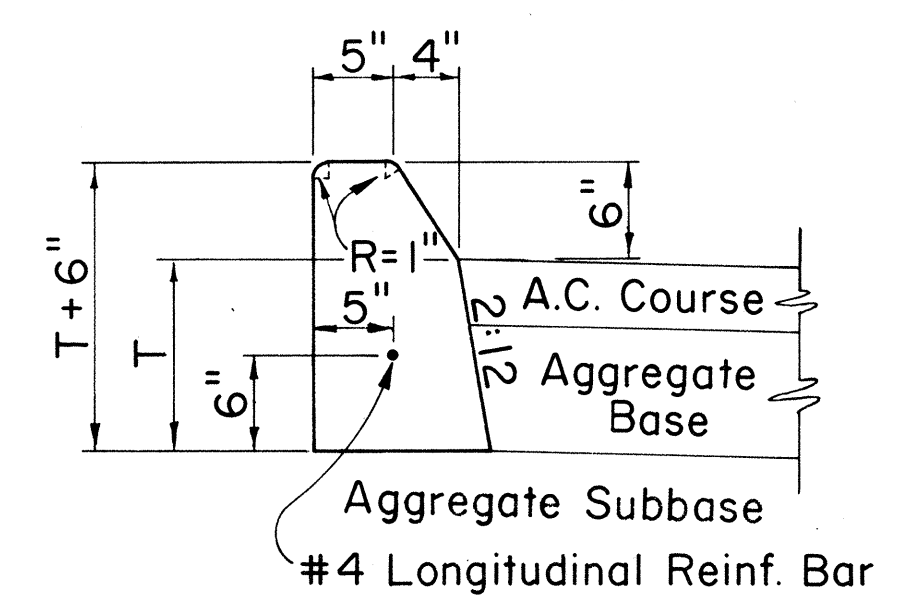
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-F-080-1(5)	1980	19	123



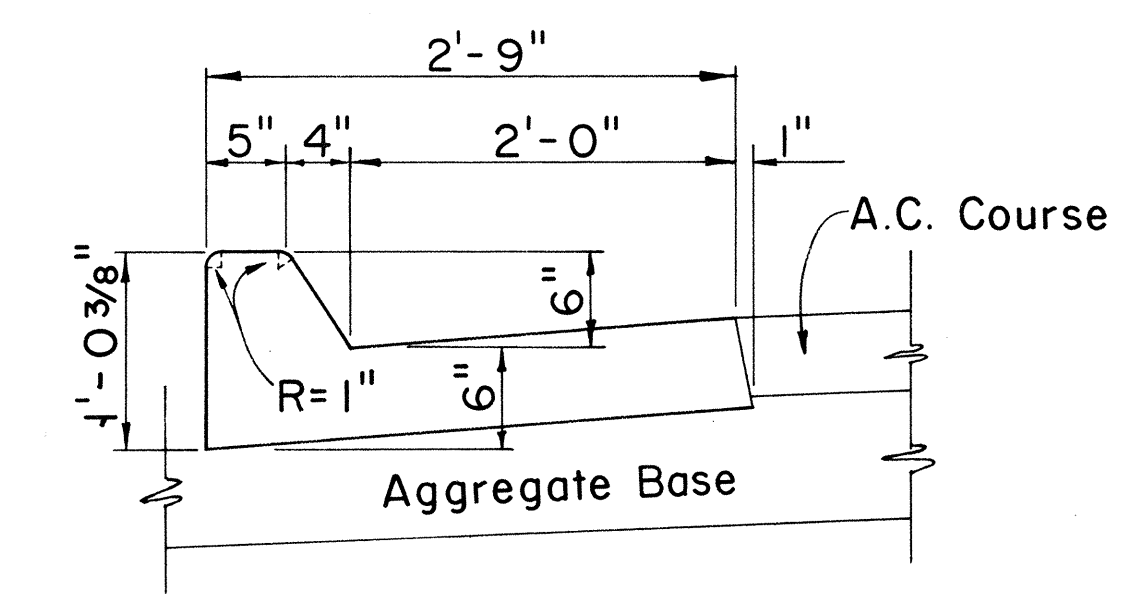
CURB, TYPE 6
BITUMINOUS CURB
 Scale: 1 1/2" = 1'-0"



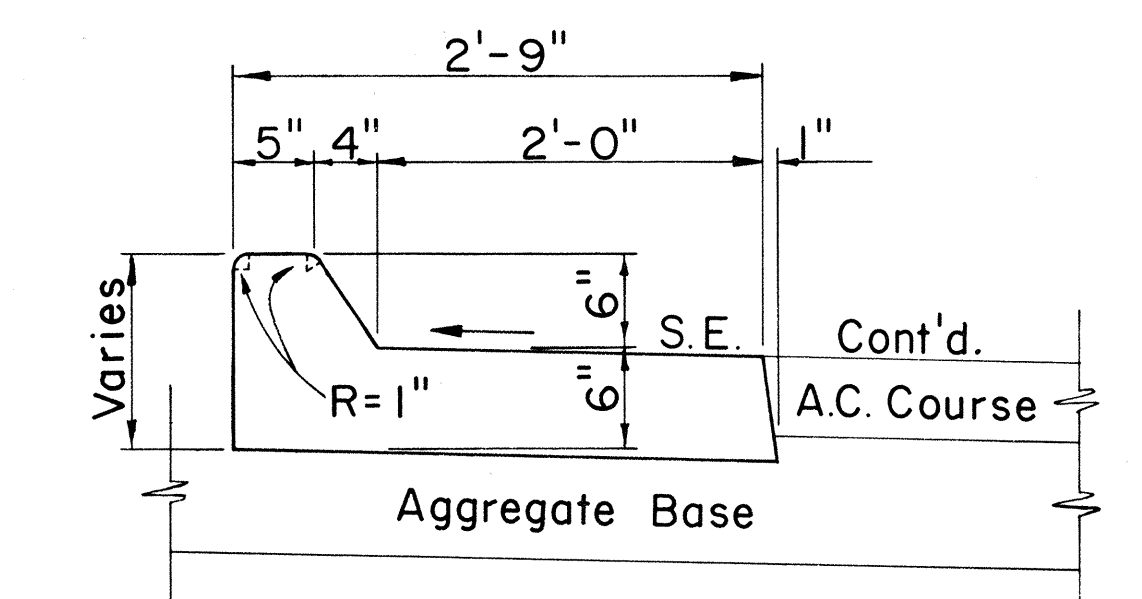
CAST-IN-PLACE CURB & GUTTER
CAST-IN-PLACE GUTTER
CONSTRUCTION JOINT DETAIL
 Scale: 1" = 1'-0"



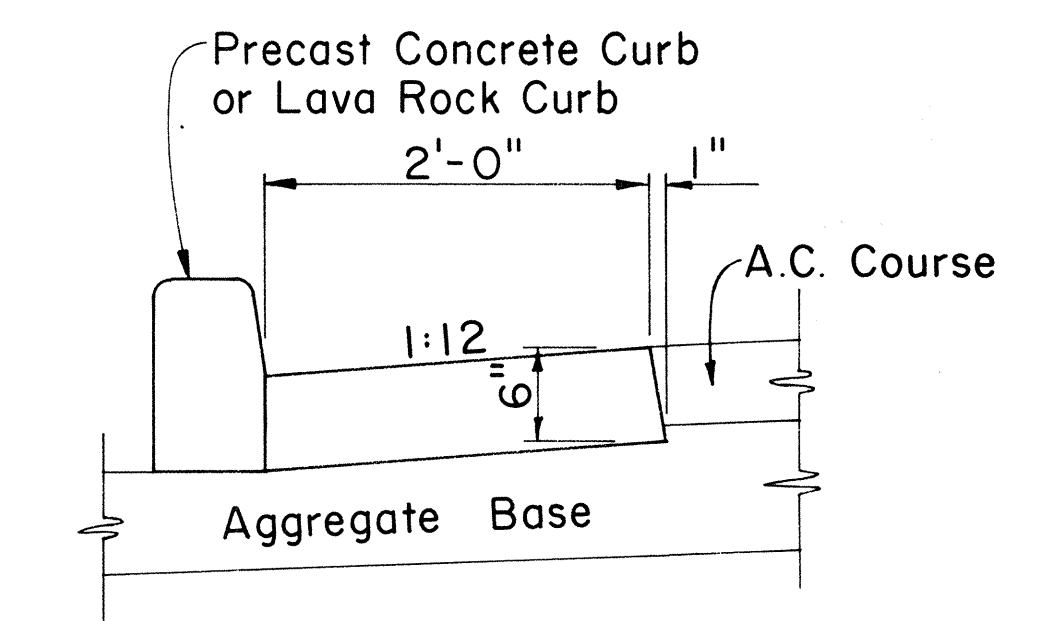
CURB, TYPE 2A



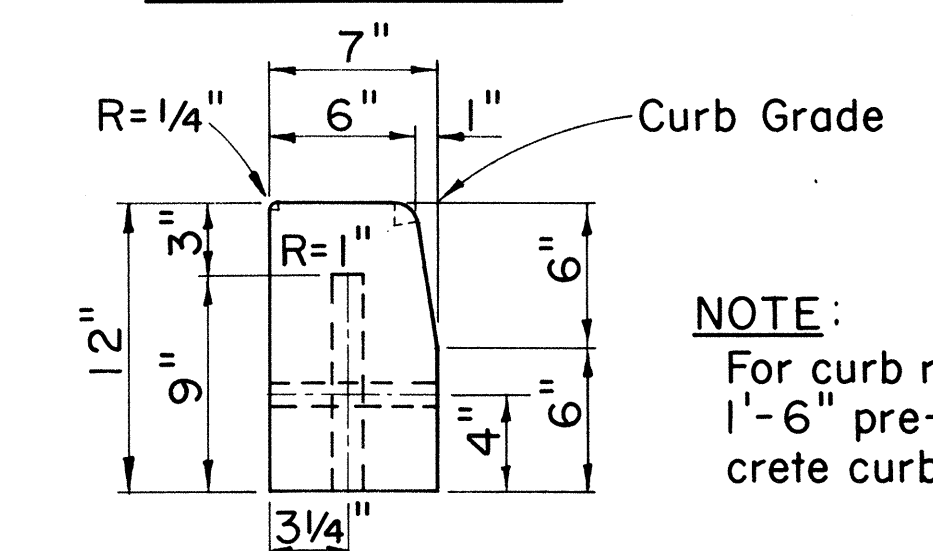
CURB & GUTTER, TYPE 2AG



CURB & GUTTER, TYPE 2AGM

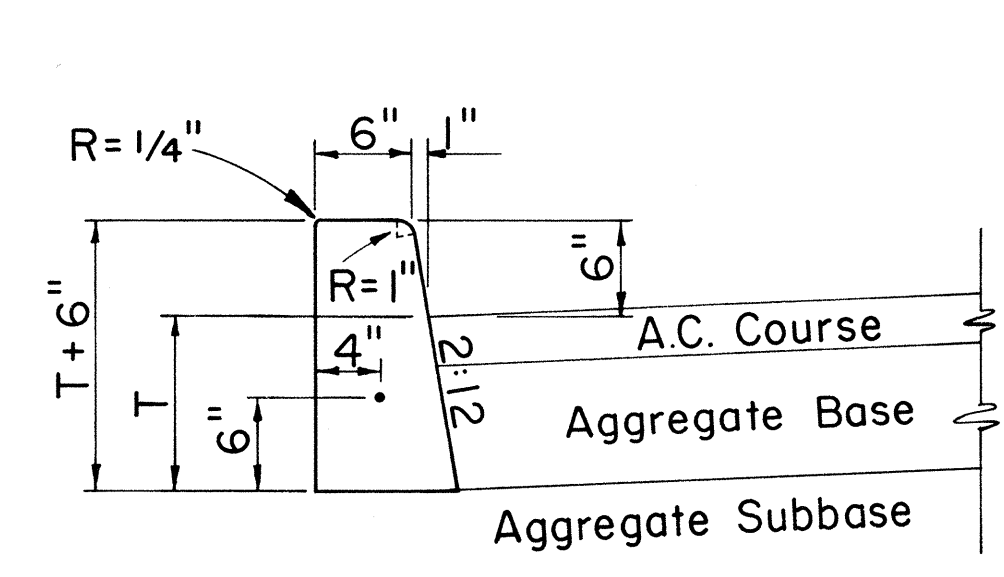


GUTTER, TYPE 2A

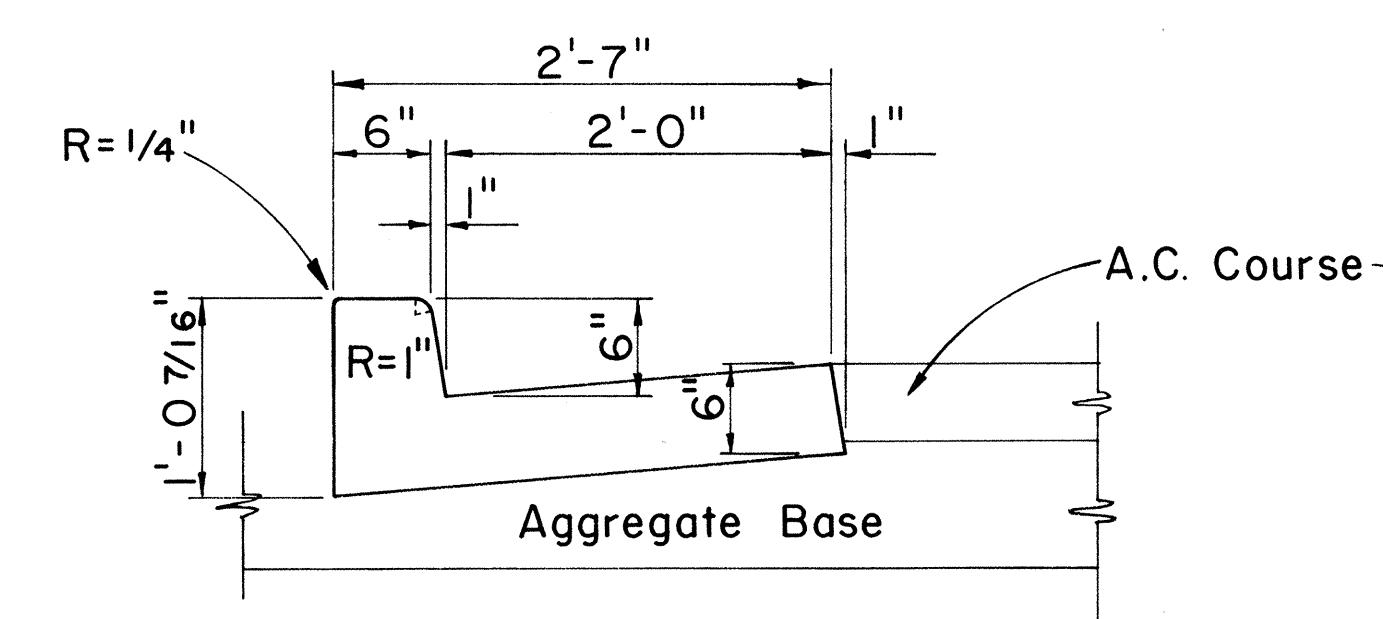


SECTION C-C
CURB, TYPE 3D
PRE-CAST CONC. CURB
 Scale: 1 1/2" = 1'-0"

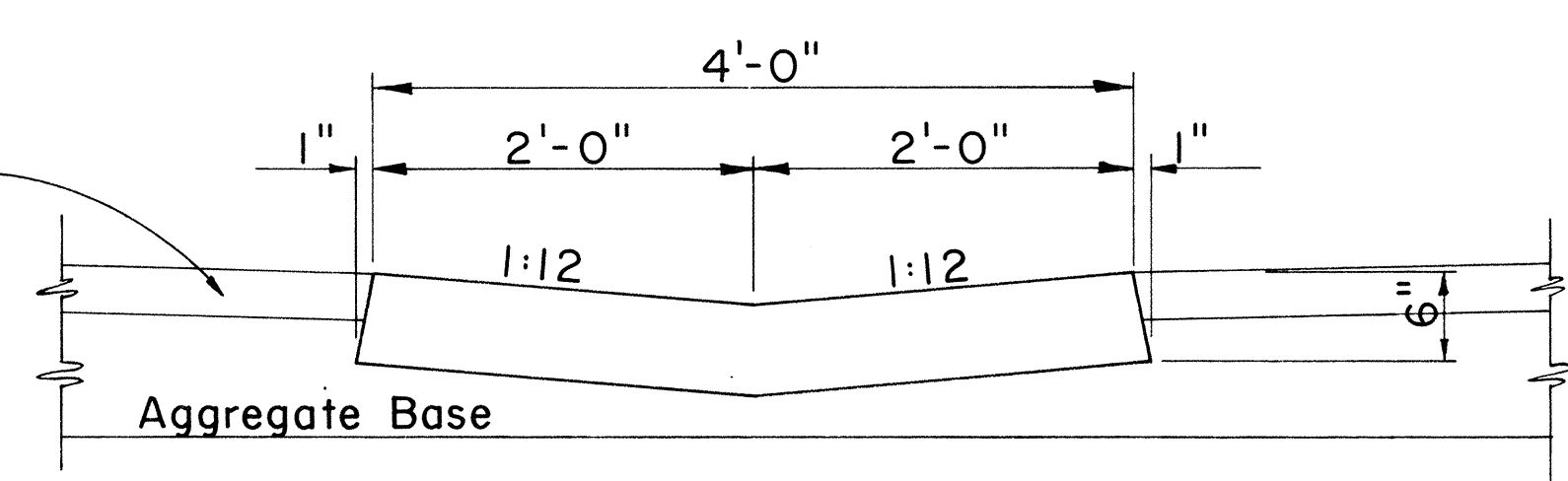
NOTE:
 For curb returns use 1'-6" pre-cast concrete curbs.



CURB, TYPE 2D



CURB & GUTTER, TYPE 2DG



GUTTER, TYPE 2G

CAST-IN-PLACE CONCRETE CURBS AND/OR GUTTERS
 Scale: 1" = 1'-0"

APPROVAL RECOMMENDED:
 Highway Design Engineer
 DATE 12-4-69

APPROVED:
 Assistant Chief, Engineering
 DATE 12-10-59

NO.	REVISION	APPROVED BY	DATE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

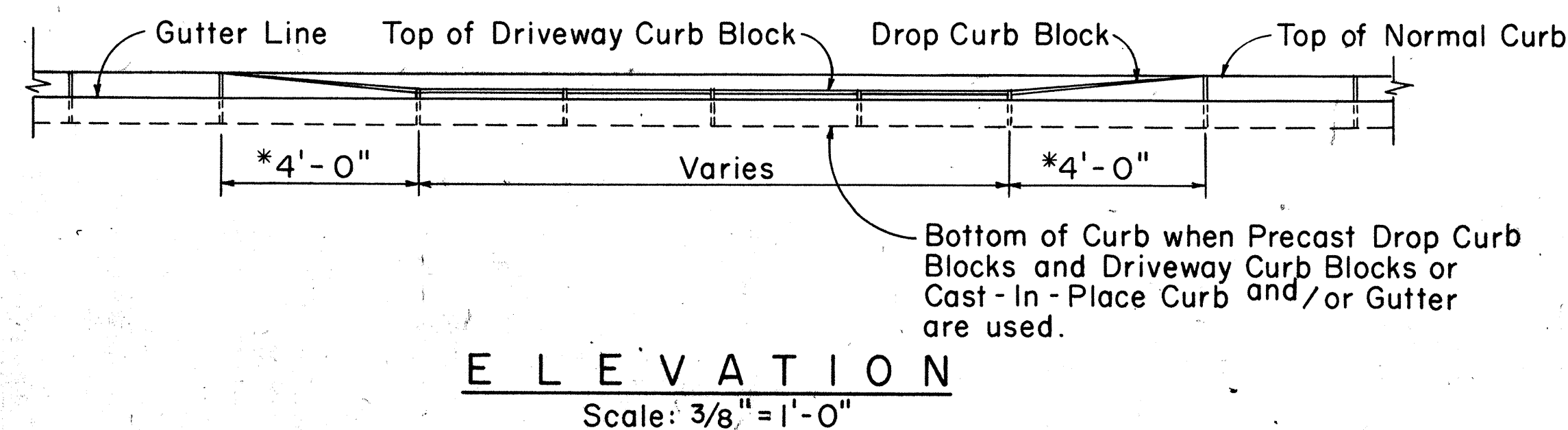
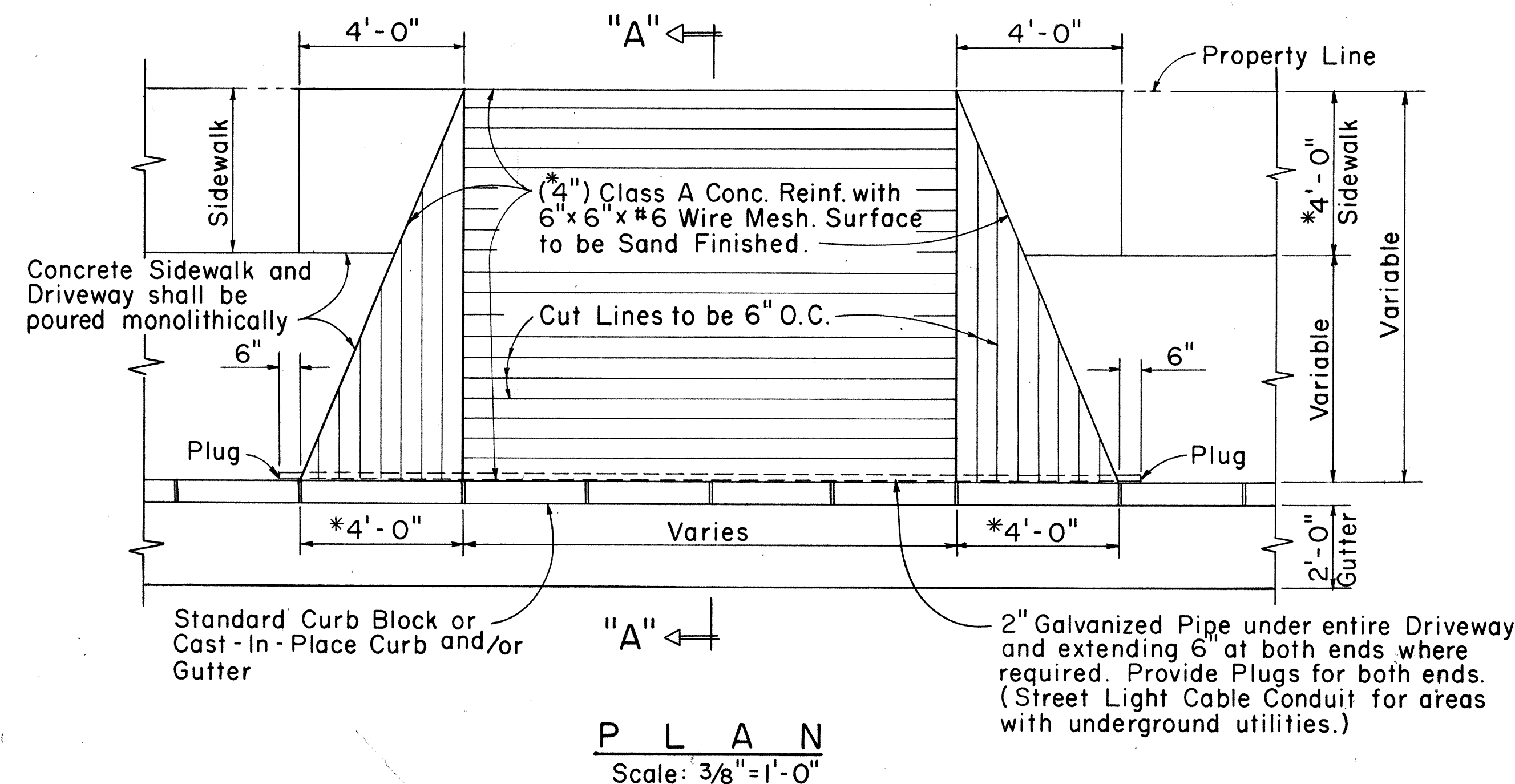
STANDARD DETAILS

TYPICAL DETAILS OF CURB

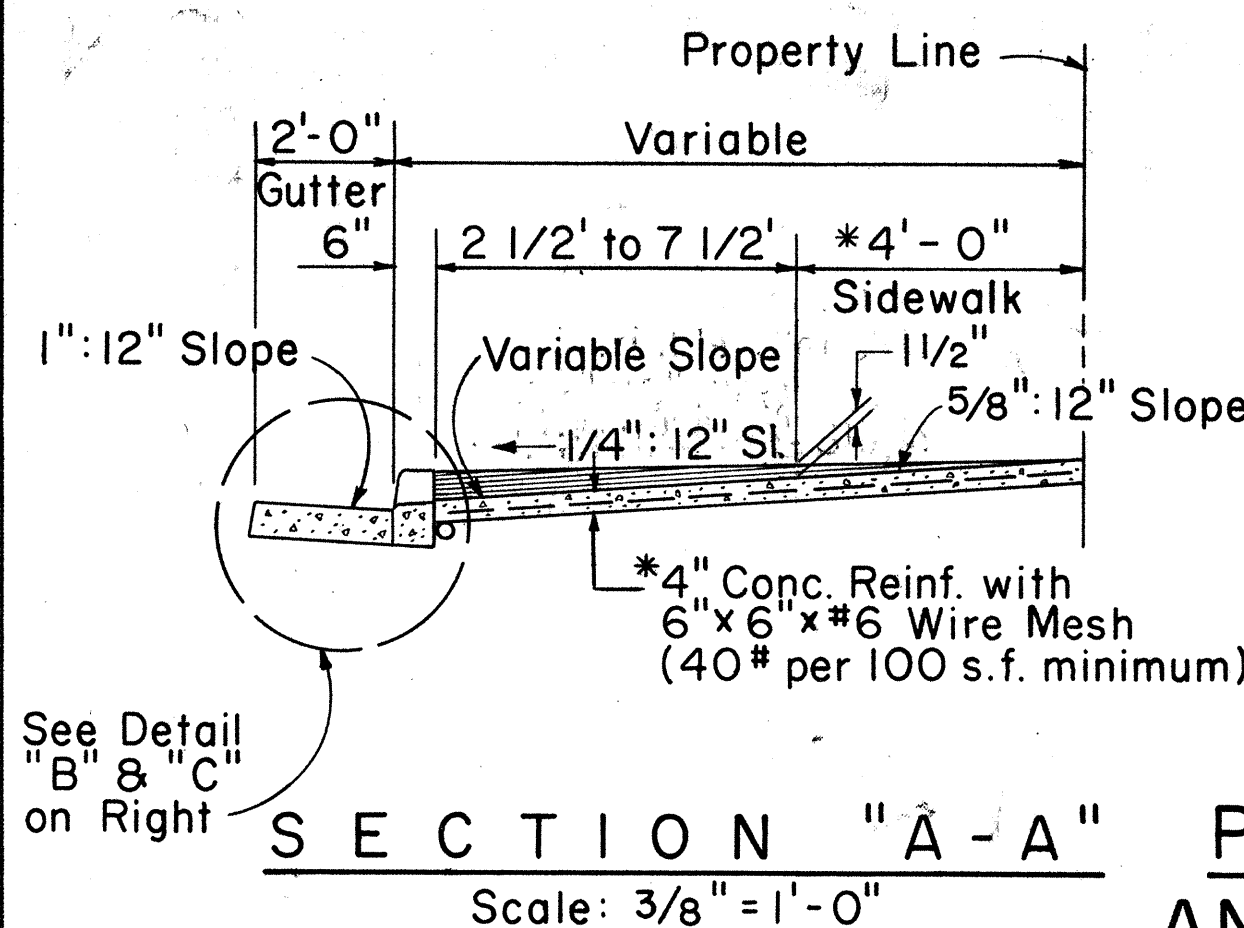
AND/OR GUTTERS

Scale: As Shown

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FF-080-15	1980	20	123



Dist. Curb Line to P	Slope
12'	5/8" to 12"
10'	3/4" to 12"
8'	1" to 12"
7'	7/8" to 12"
6'	1" to 12"
3'	1 3/4" to 12"



PRE-CAST DRIVEWAY CURB AND CAST-IN-PLACE GUTTER

DETAIL "B"

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

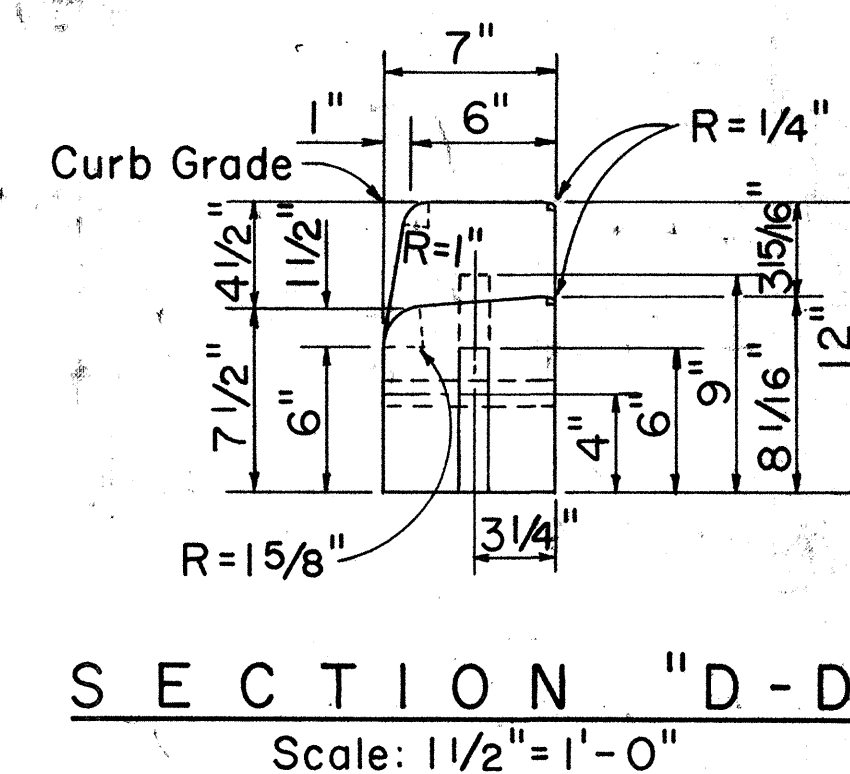
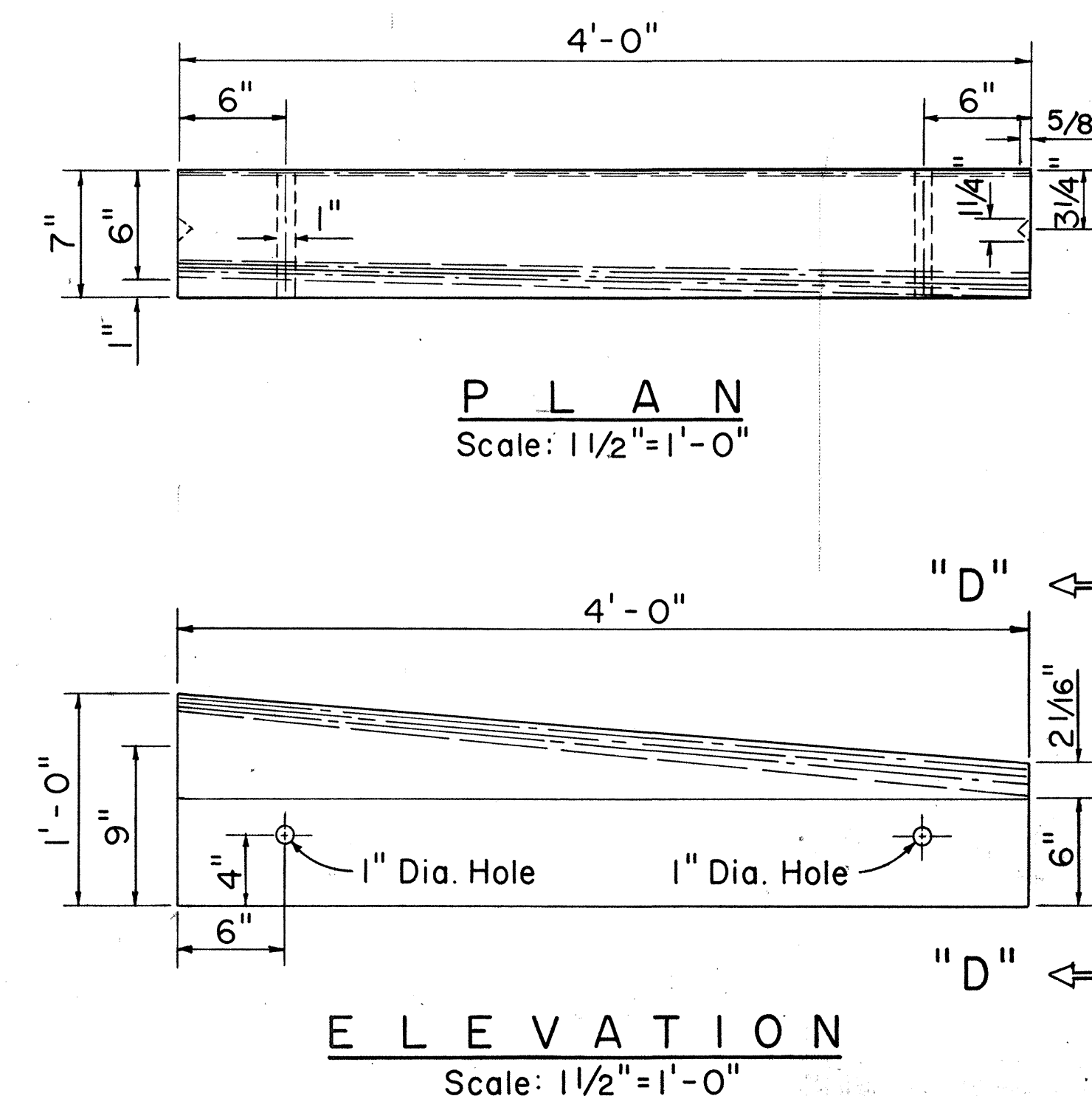
CAST-IN-PLACE INTEGRAL DRIVEWAY CURB AND GUTTER

DETAIL "C"

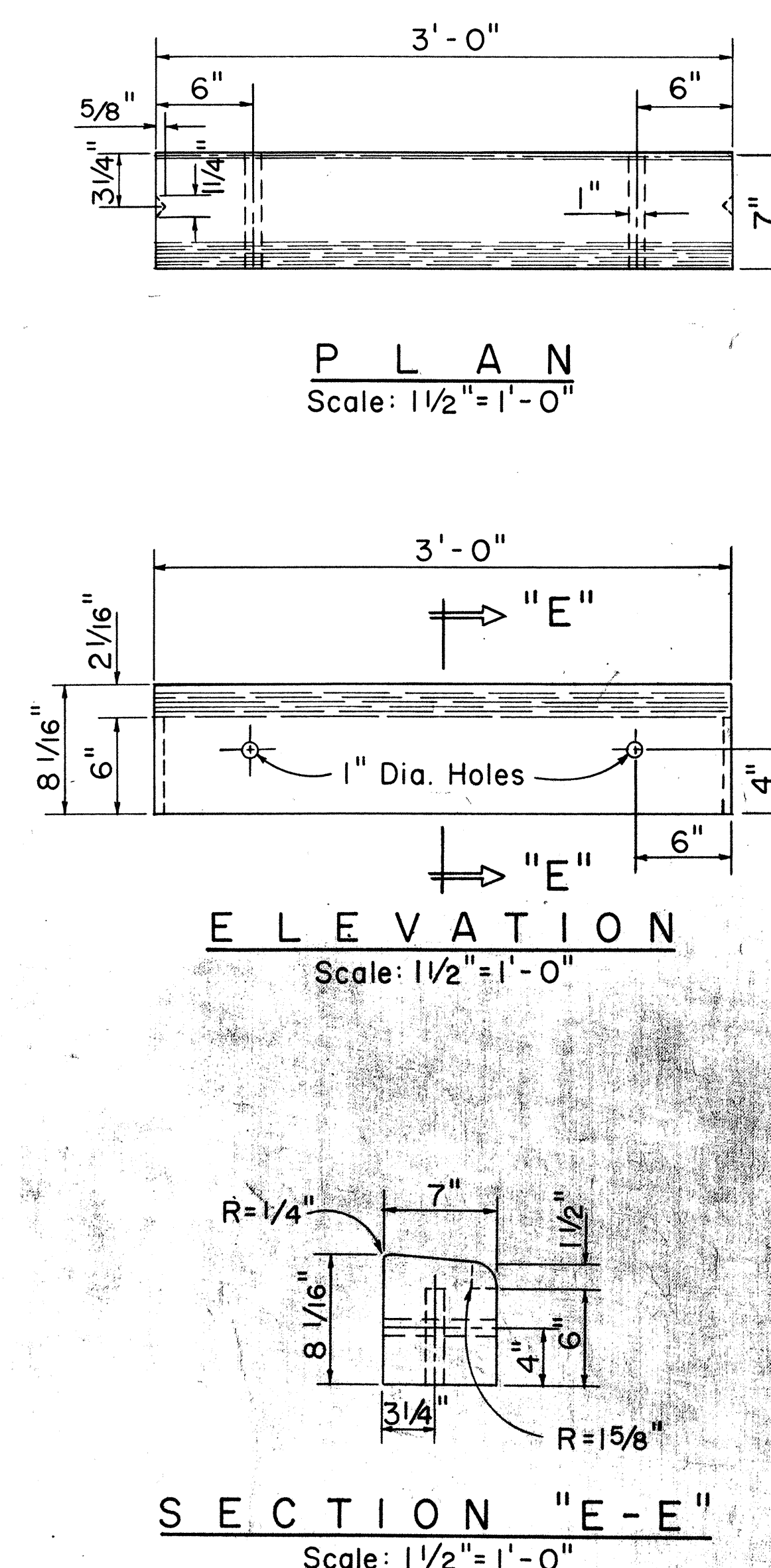
Scale: 3/4" = 1'-0"

TYPICAL DETAILS OF REINF. CONC. DROP DRIVEWAY

Scale: As Noted



PRE-CAST CONC. DROP CURB BLOCK



SECTION "E-E"

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

PRE-CAST CONC. DRIVEWAY CURB

APPROVAL RECOMMENDED:

12-4-69

DATE

APPROVED:

12-10-69

DATE

NO.	REVISION	APPROVED BY	DATE

STATE OF HAWAII

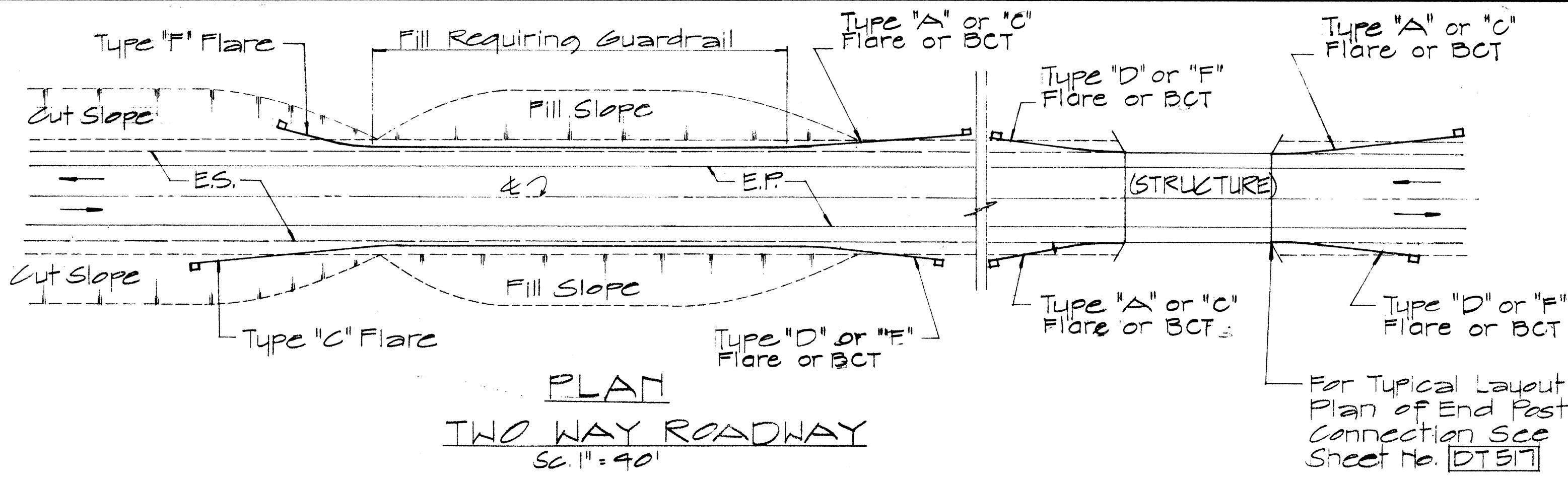
DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

STANDARD DETAILS

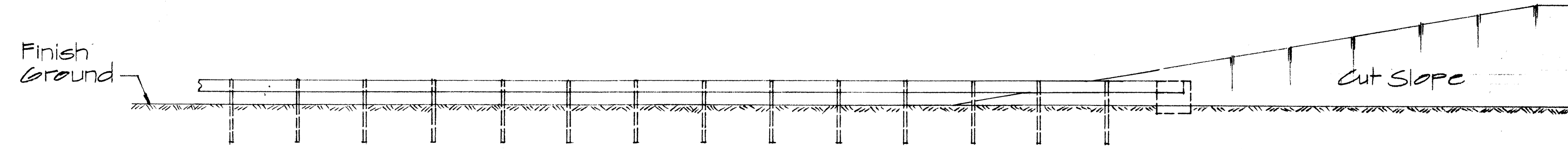
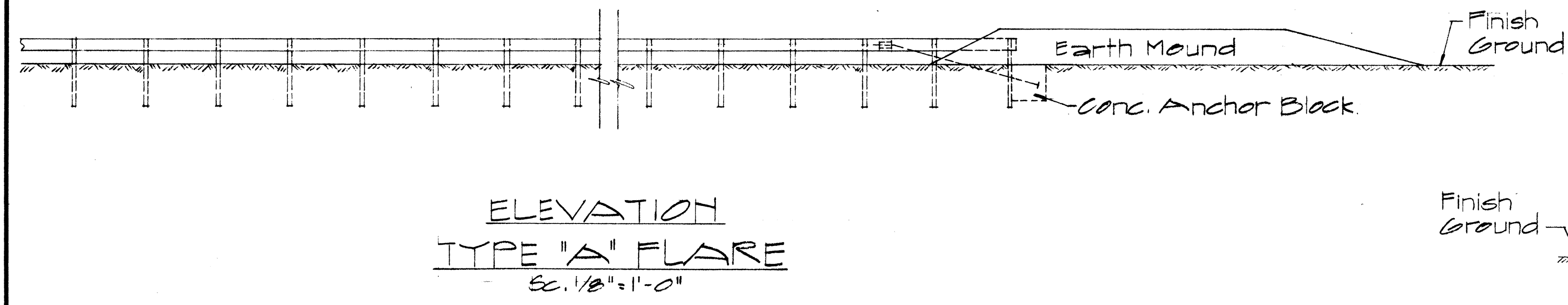
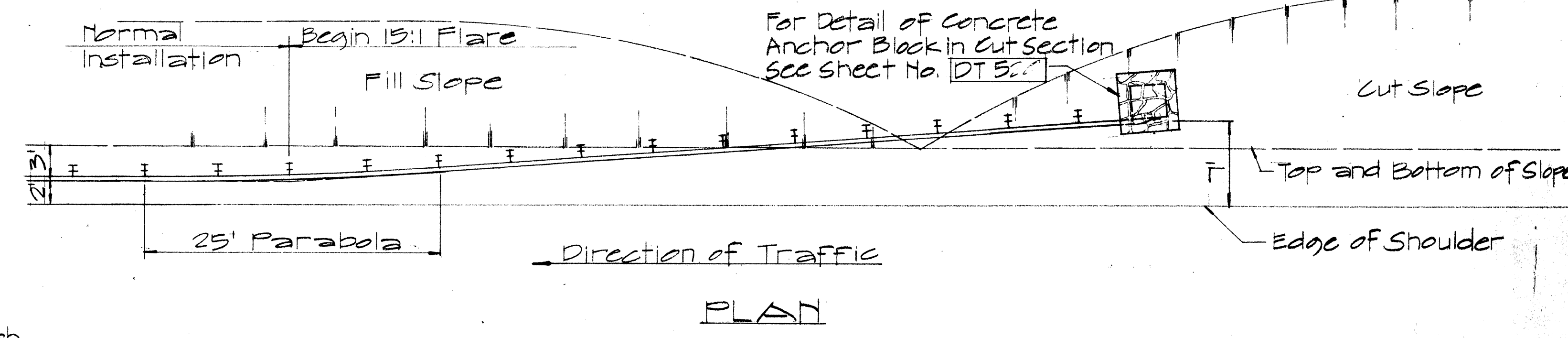
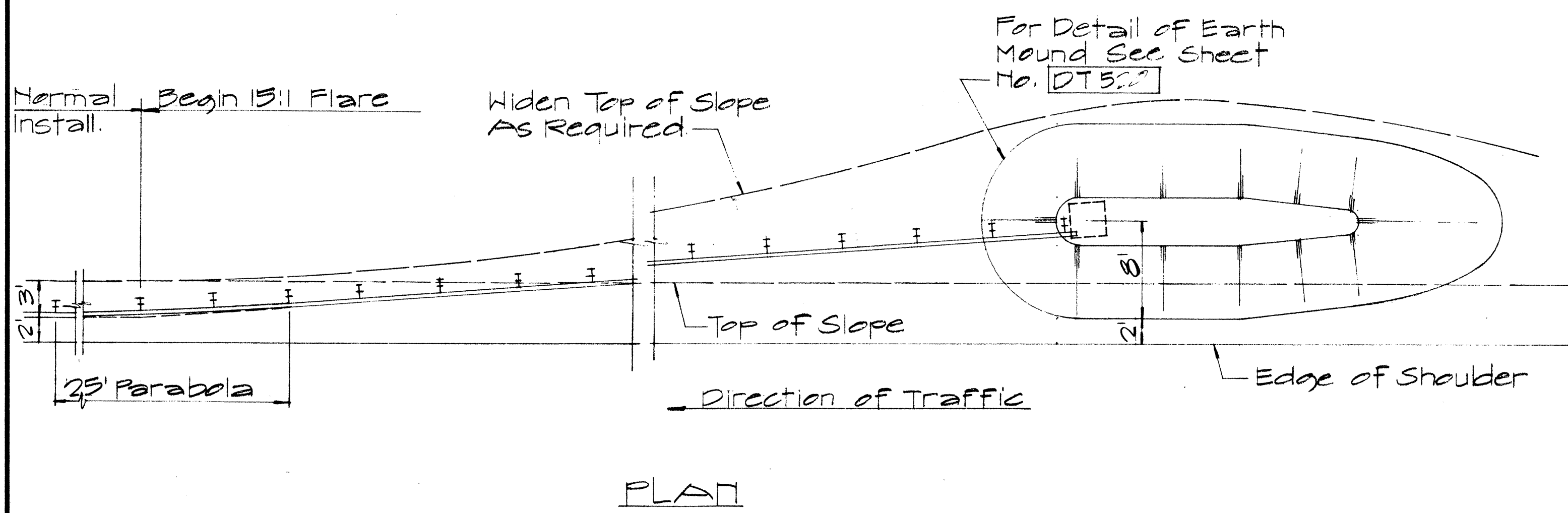
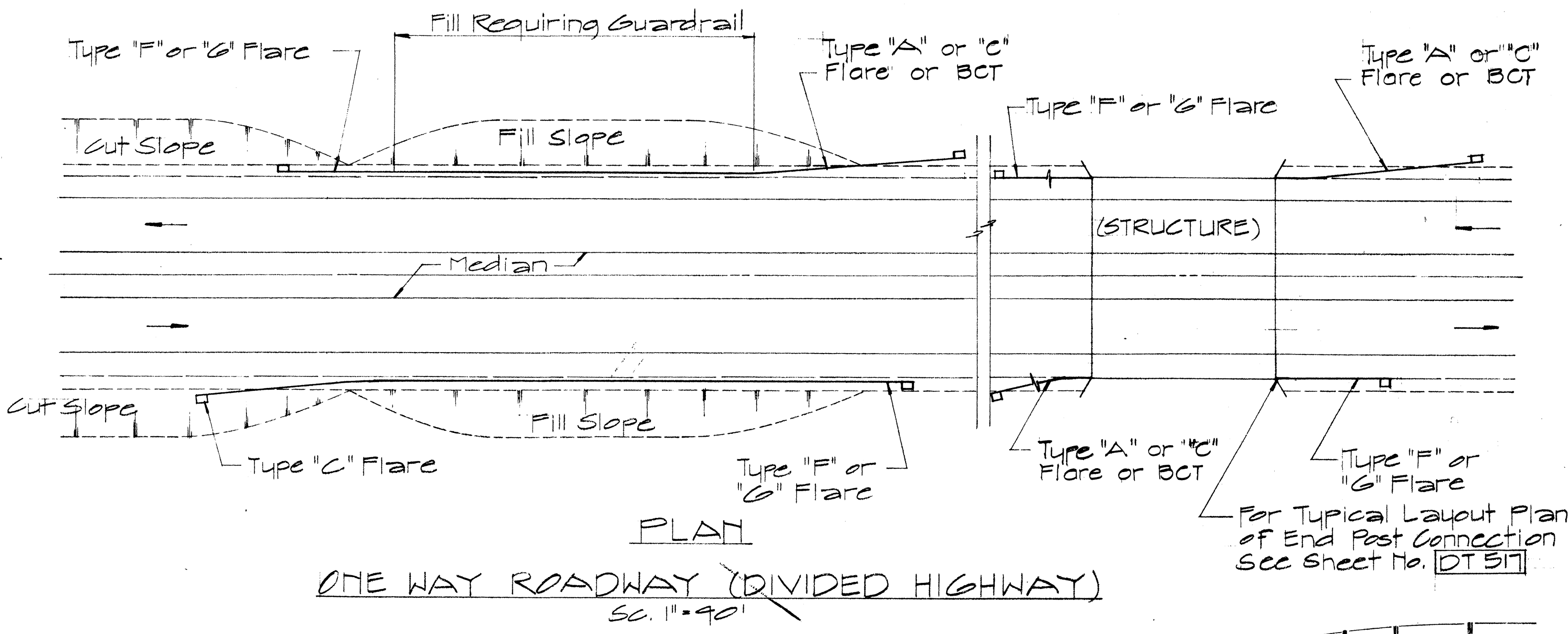
TYPICAL DETAILS OF REINF. CONC. DROP DRIVEWAY

Scale: As Shown



NOTE:
 1. Metal guard rail connection to structures requires End Post Connection. See structure plans.
 2. For detail of Breakaway Cable Terminal (BCT) See Sheet No. [DT 517]

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FF-080-1(5)	1980	22	123



ELEVATION
 TYPE "C" FLARE
 Sc. 1/8" = 1'-0"

APPROVAL RECOMMENDED:
Euchi Tanaka 12/29/62
 TRAFFIC ENGINEER DATE
 APPROVED:
W. S. S. S. 12-20-62
 ASSISTANT CHIEF, ENGINEERING DATE

NO.	REVISION	APPROVED BY	DATE
1	Delete Type "B" Flare and Type "E" Flare	H.T.	6/15/63

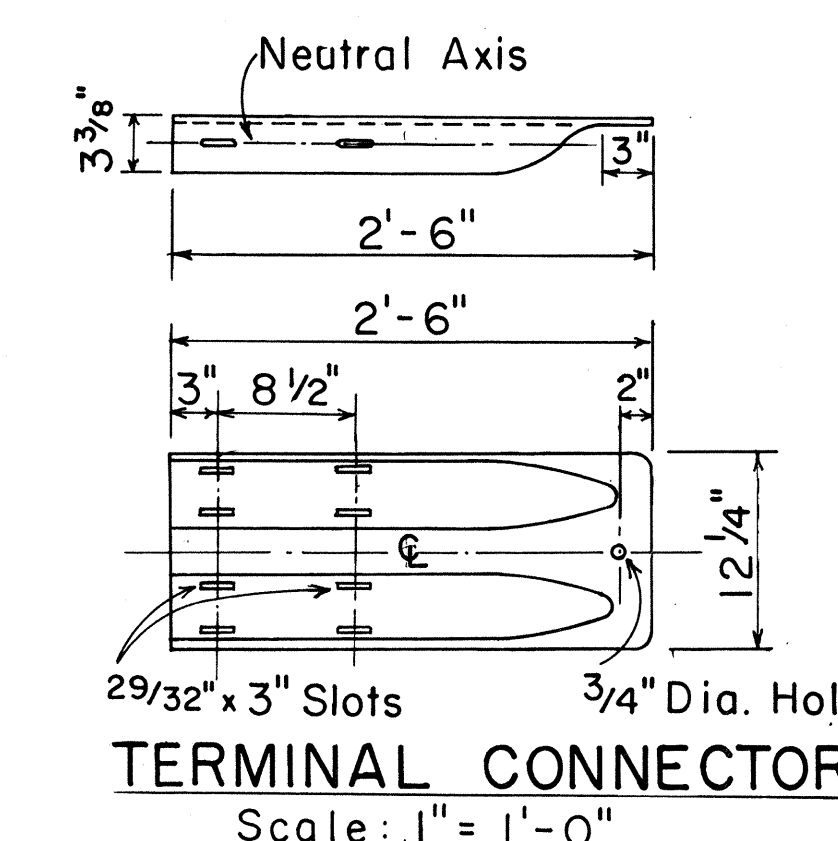
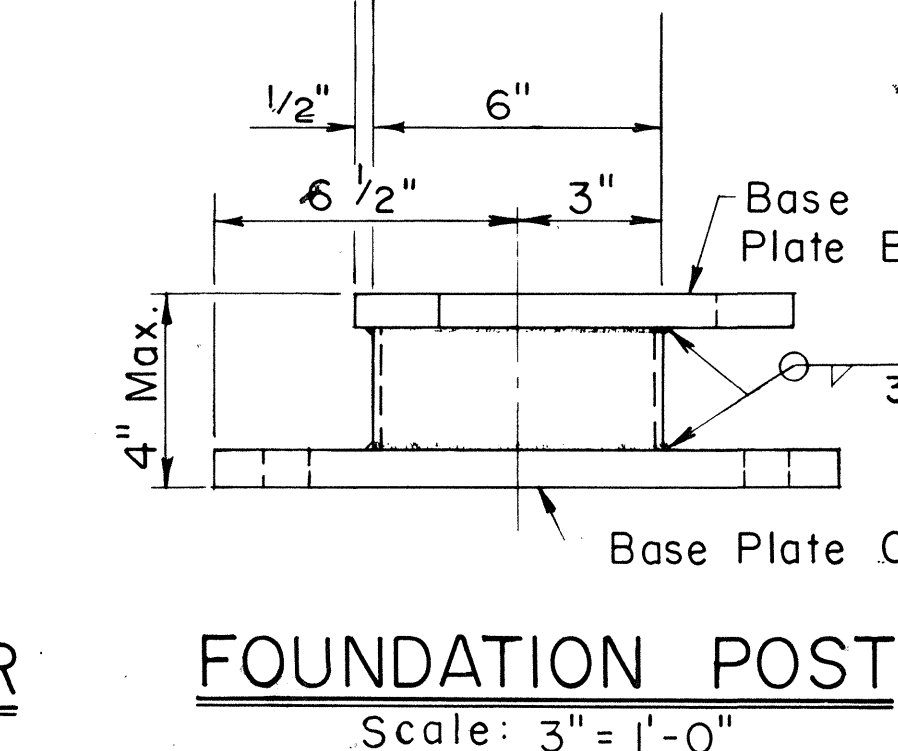
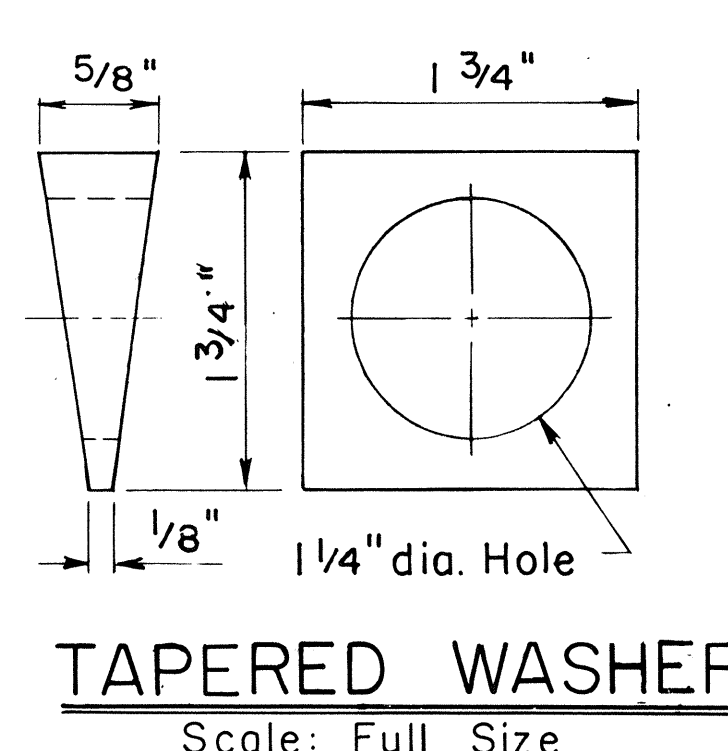
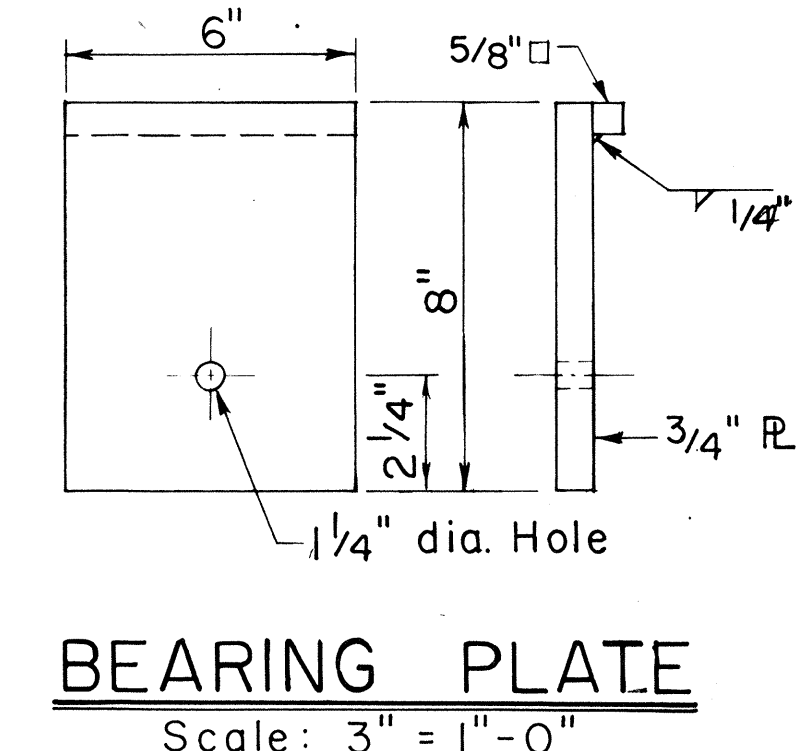
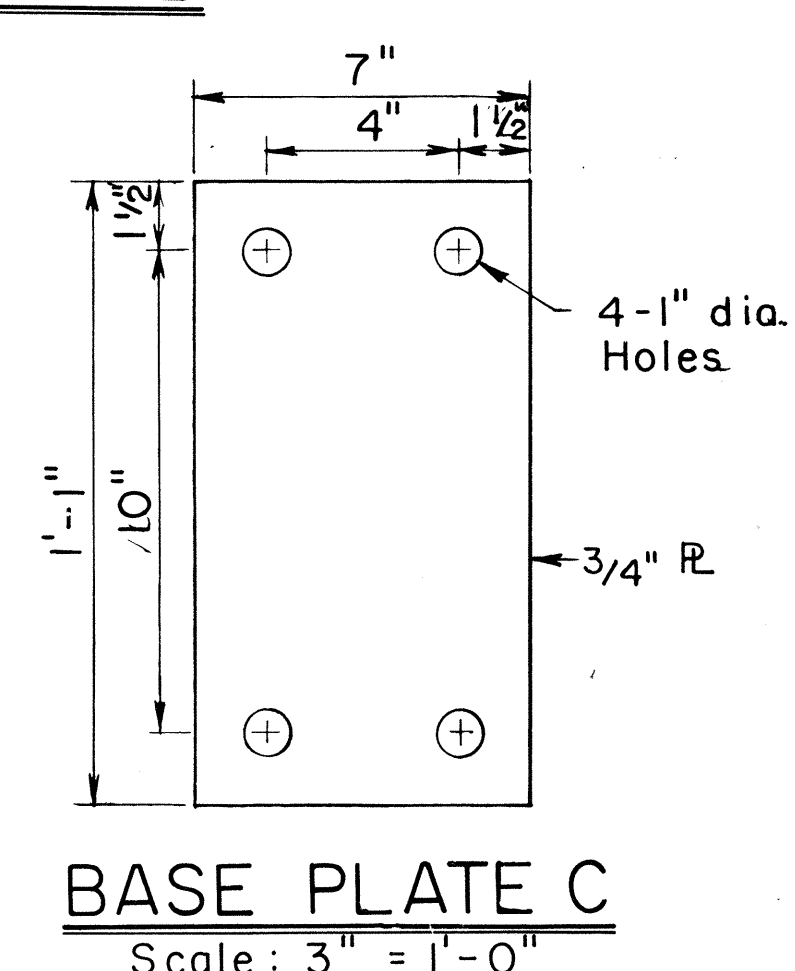
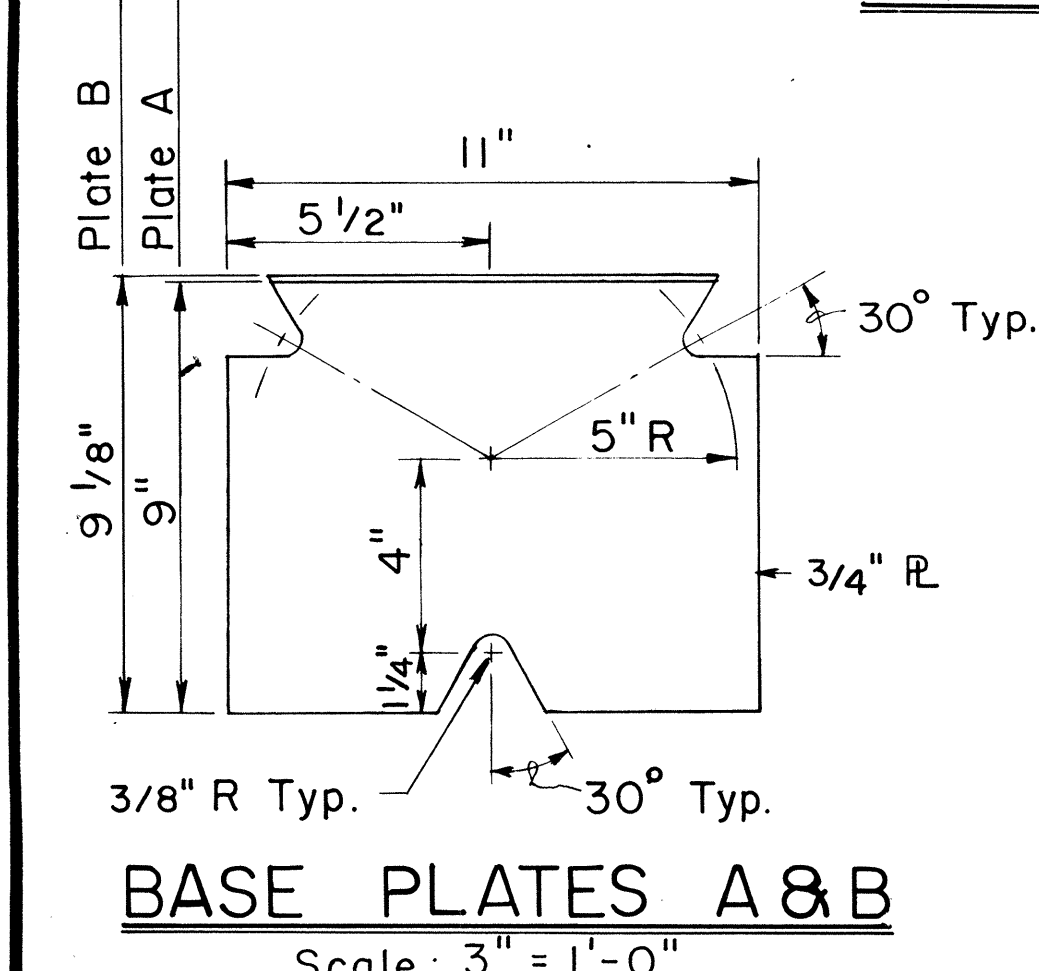
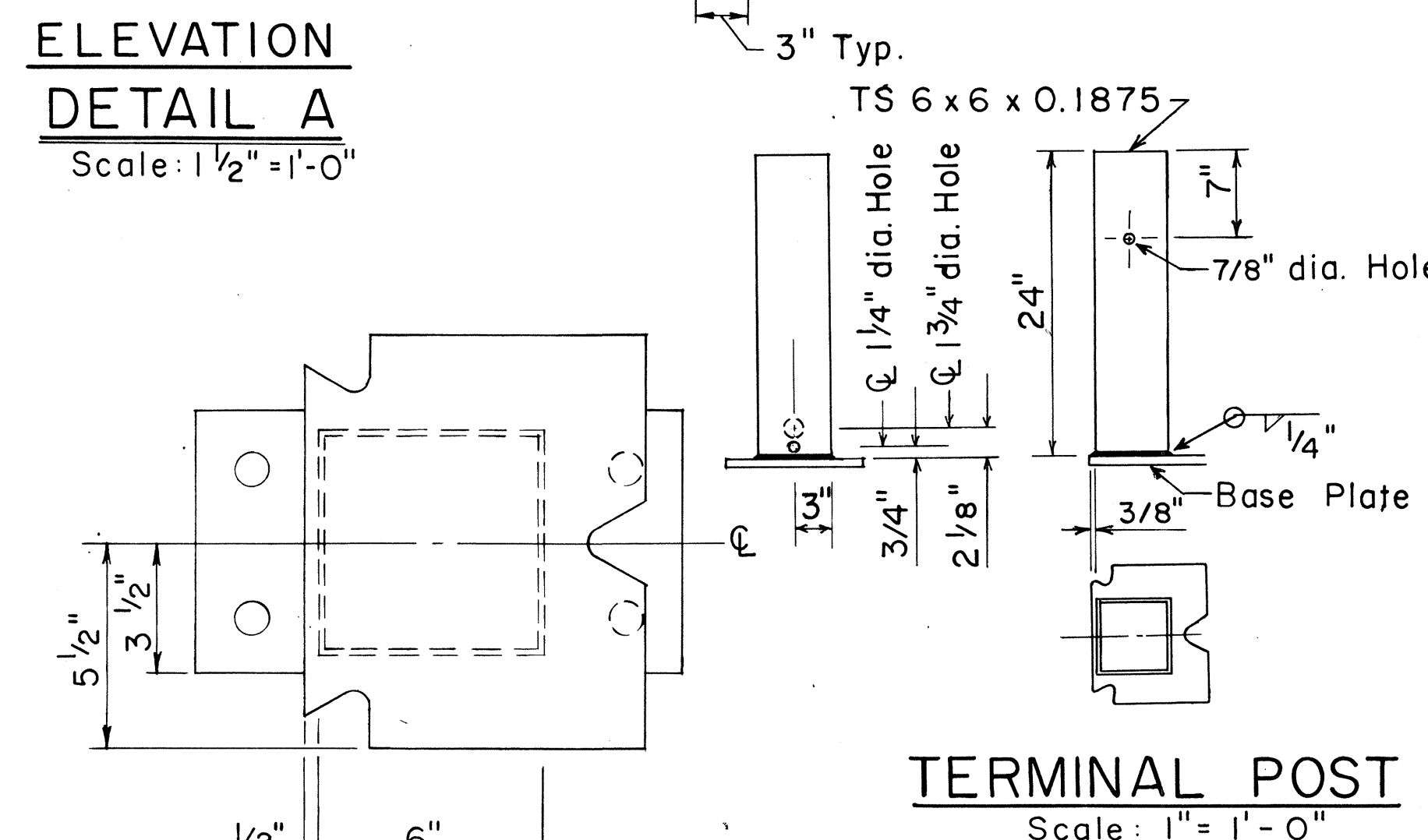
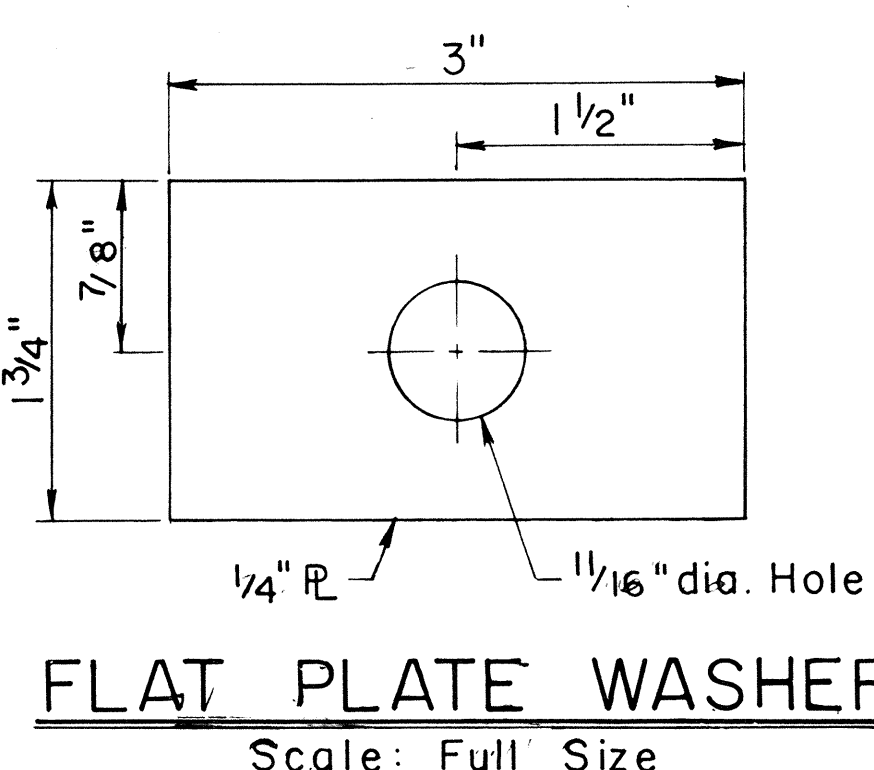
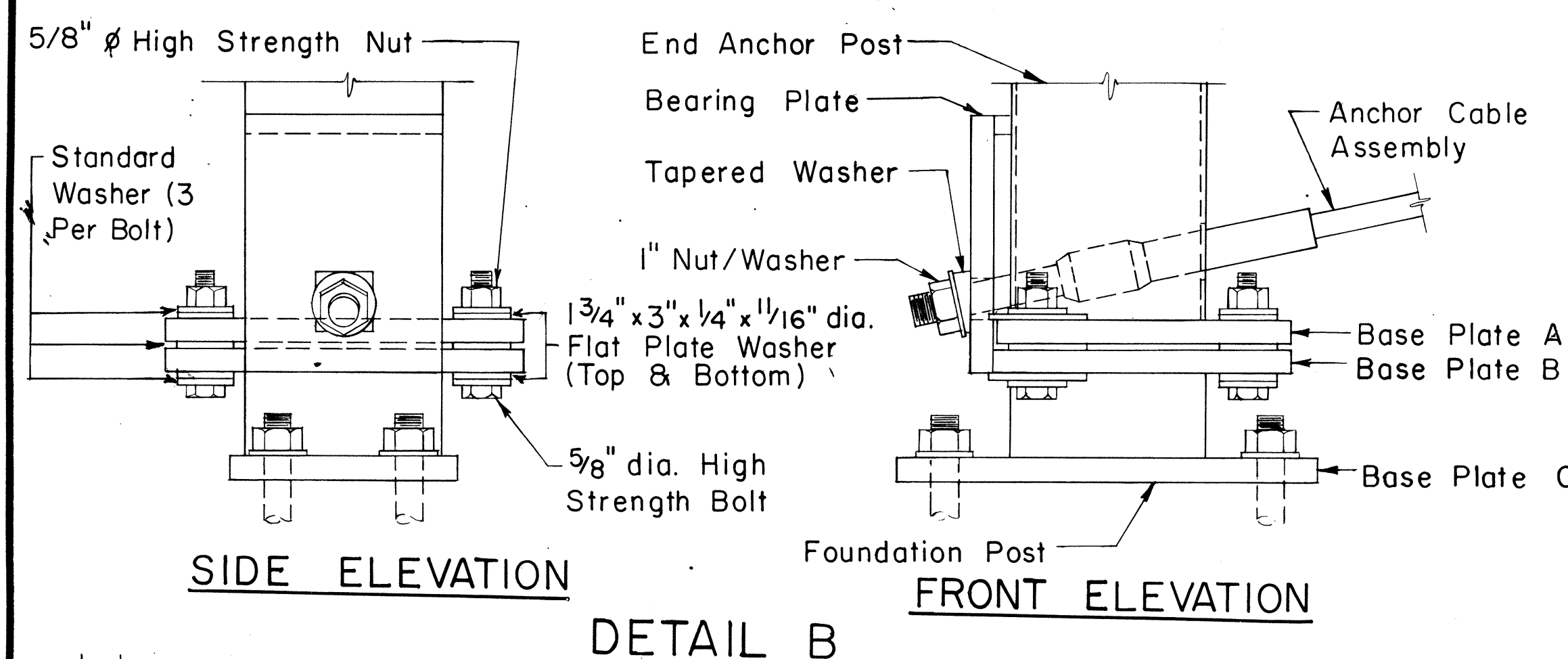
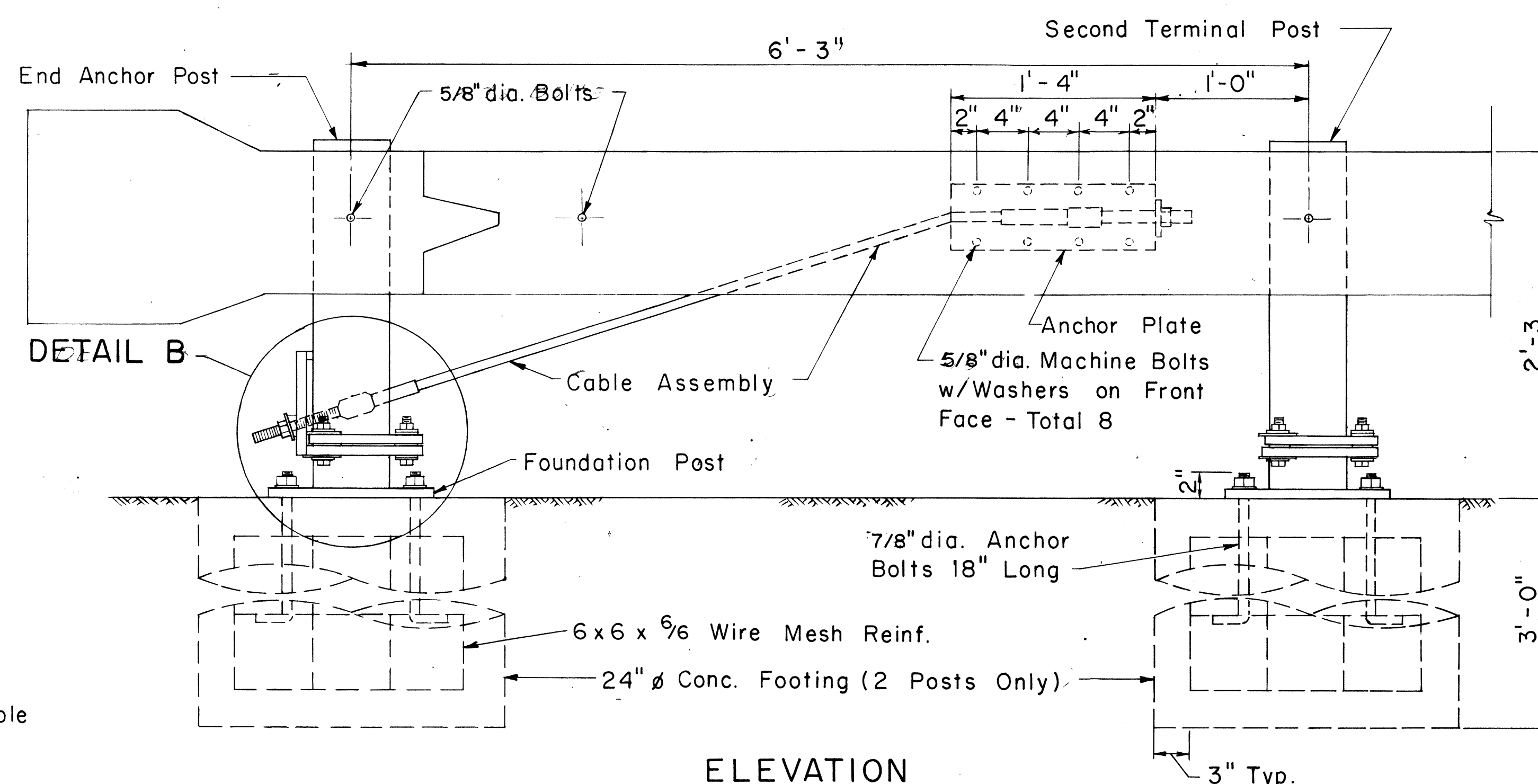
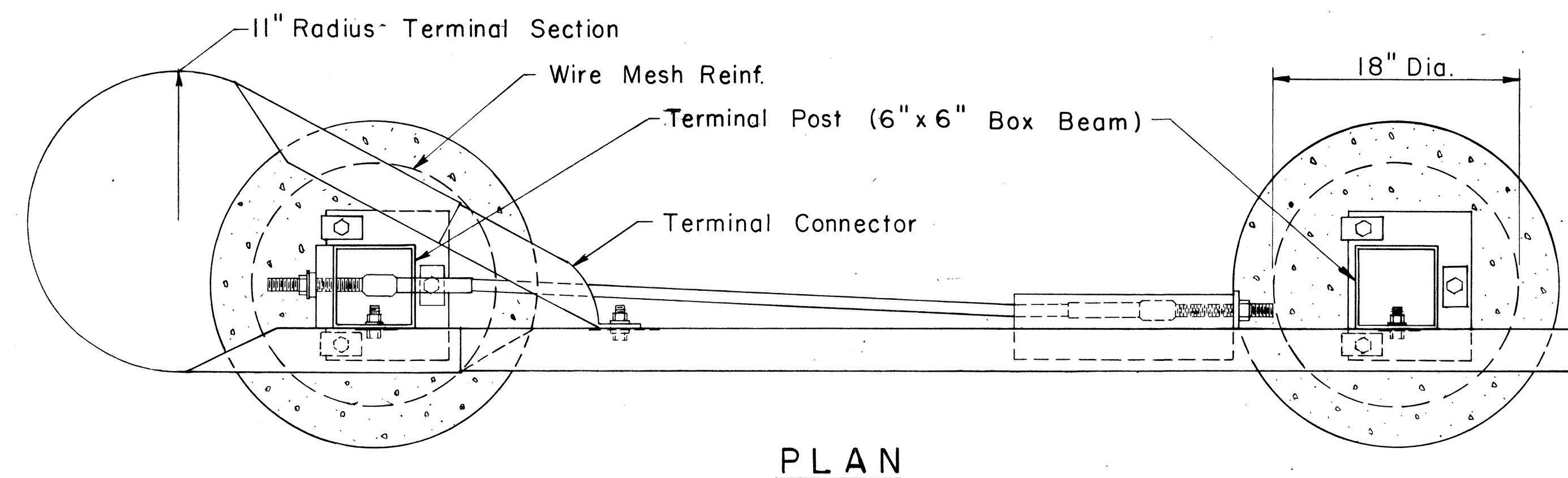
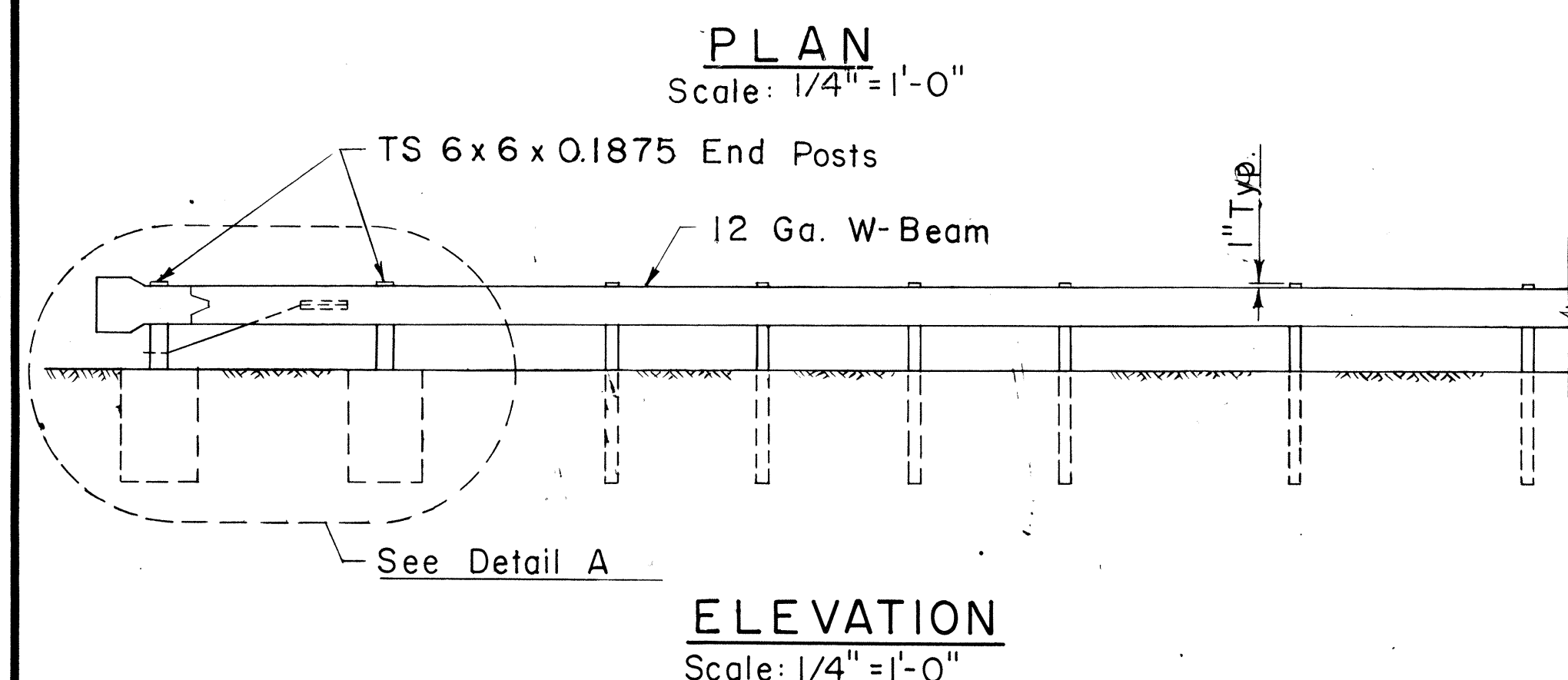
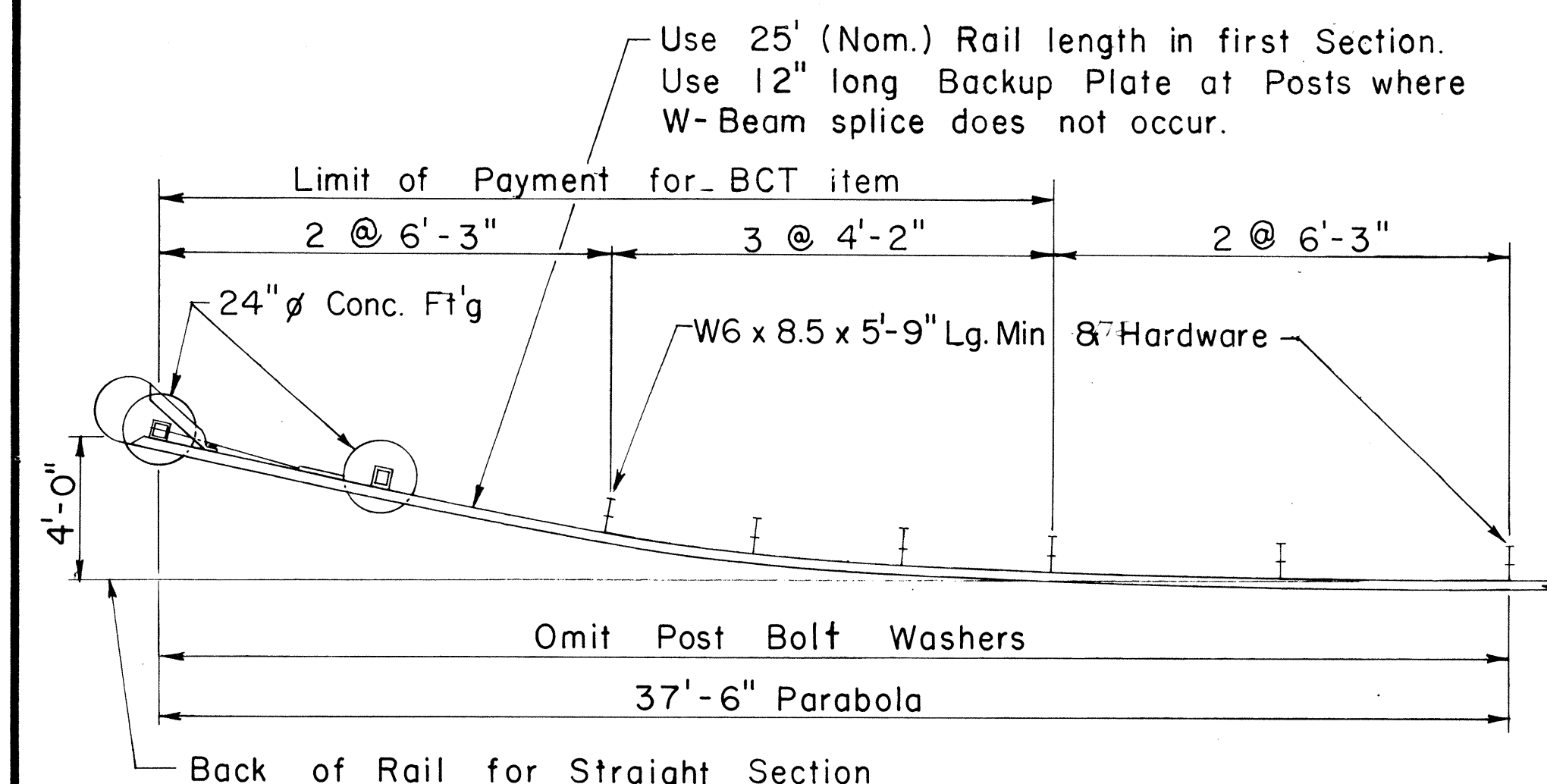
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
**STANDARD DETAILS
 OF APPROACH END
 FLARE - ONE & TWO
 WAY ROADWAY**
 Sc. As Noted April 1967
 SHEET No. 4 OF 6 SHEETS [DT 516]

DATE	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FF-080-1(5)	1980	24	123

NOTES:

1. Anchor Plate and Anchor Cable Assembly (Standard Swaged Fitting and Stud). See Standard Detail Sheet No. DT 520.
2. Other Anchor Cable Assemblies may be used. Minimum breaking strength of assembly should be 40,000 lbs.
3. Second Terminal Post does not require holes to accommodate Anchor Cable.
4. Slip Base Load shall be controlled with a Calibrated Torque Wrench - Torque 155 - 170 ft. lbs.
5. Concrete shall be Class A.



APPROVAL RECOMMENDED:
Eishi Tanaka
TRAFFIC ENGINEER 6/14/78 DATE

APPROVED:
Shunichi Sakai
ASSISTANT CHIEF, ENGINEERING 6/15/78 DATE

NO.	REVISION	APPROVED BY	DATE
	Supersedes Sht. DT 519 Approved 12/30/69	H.I.	6/15/78

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAIL

BREAKAWAY CABLE TERMINAL (BCT)

Scale: As Shown Date: June 1978
SHEET No. 6 OF 6 SHEETS DT 519