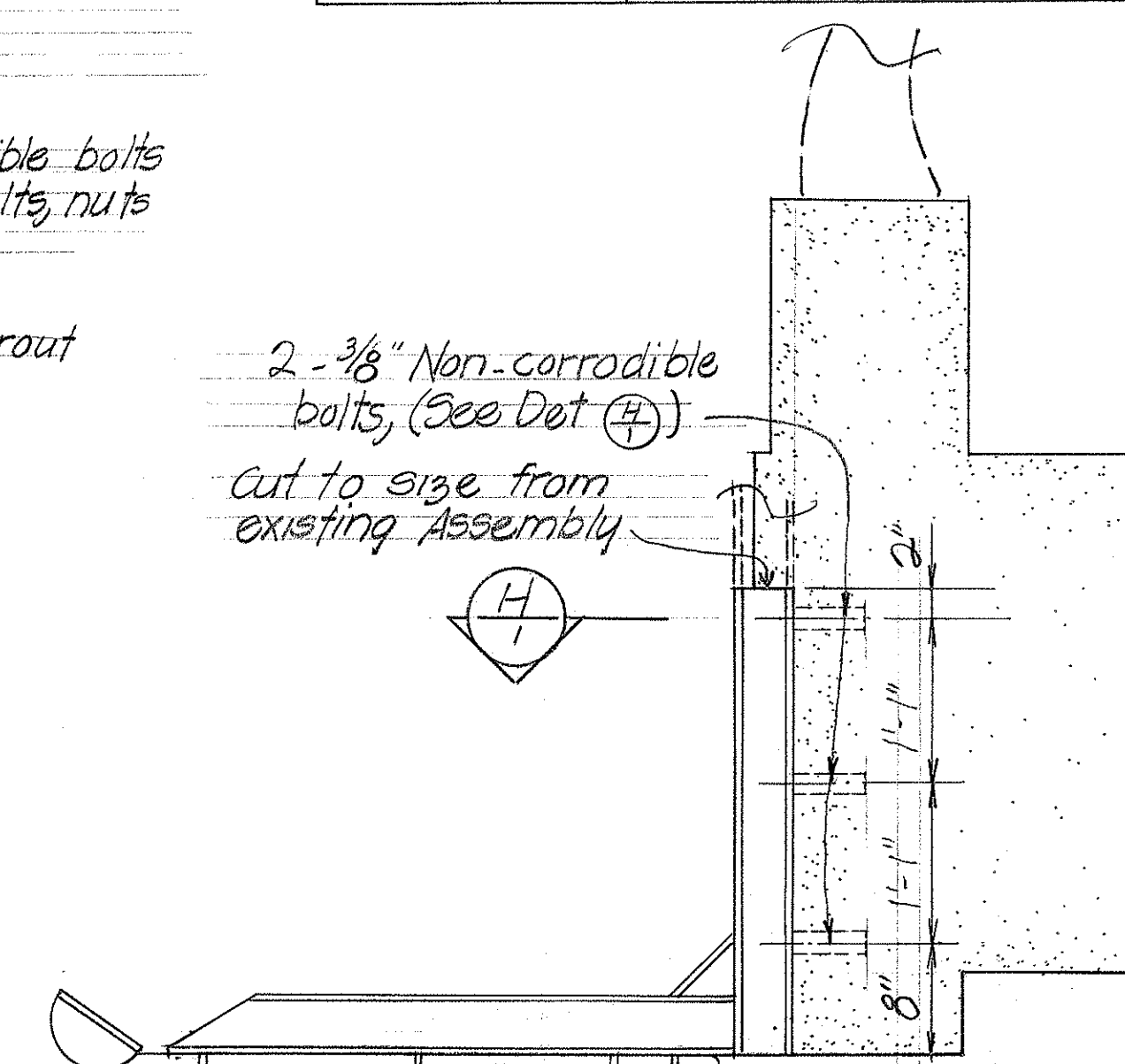


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
HAWAII	HAW.	EH-1(51)	1969	28	33

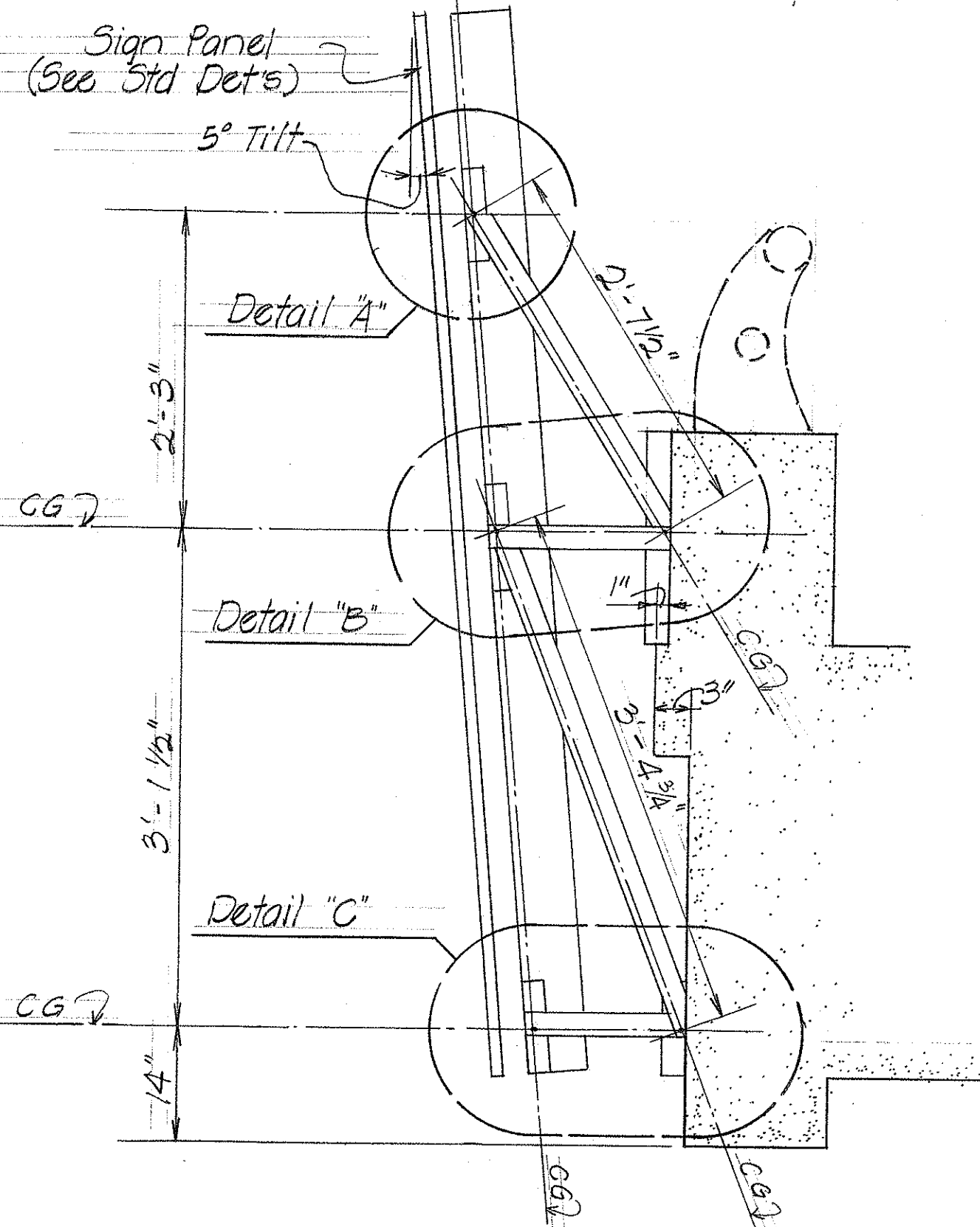


LUMINAIRE MOUNTING

Scale: 1" = 1'-0"

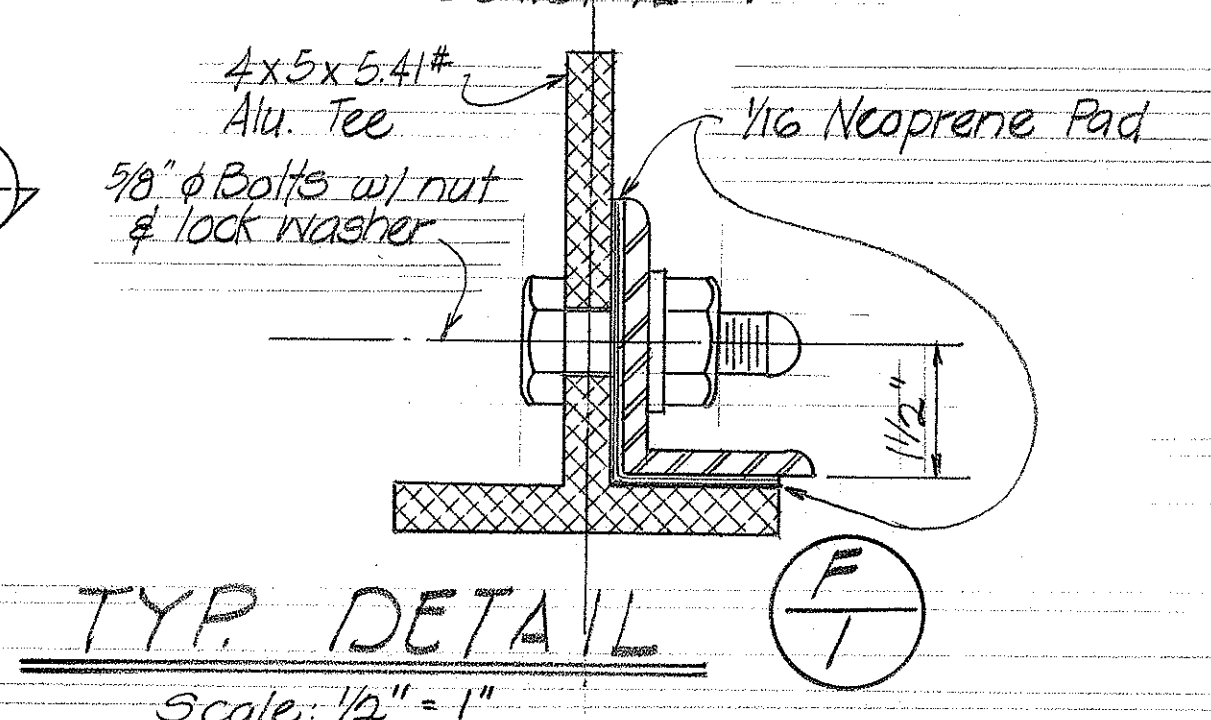
GENERAL NOTE

- 1) All structural steel assemblies shall be hot dip galvanized before erection.
- 2) All connection bolts ASTM-A-325-58T Galv.
- 3) 1/16" Thick Neoprene insulation pad between aluminum and structural angles.
- 4) All angles shall be ASTM-A-36
- 5) For additional information see Expressway Sign standard.



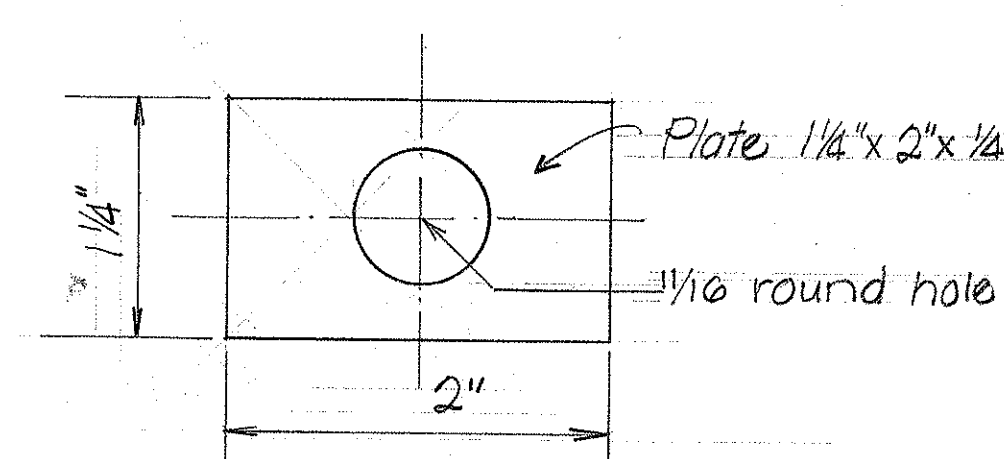
EXPRESSWAY SIGN MOUNTING BRACKET

Scale: 1" = 1'-0"



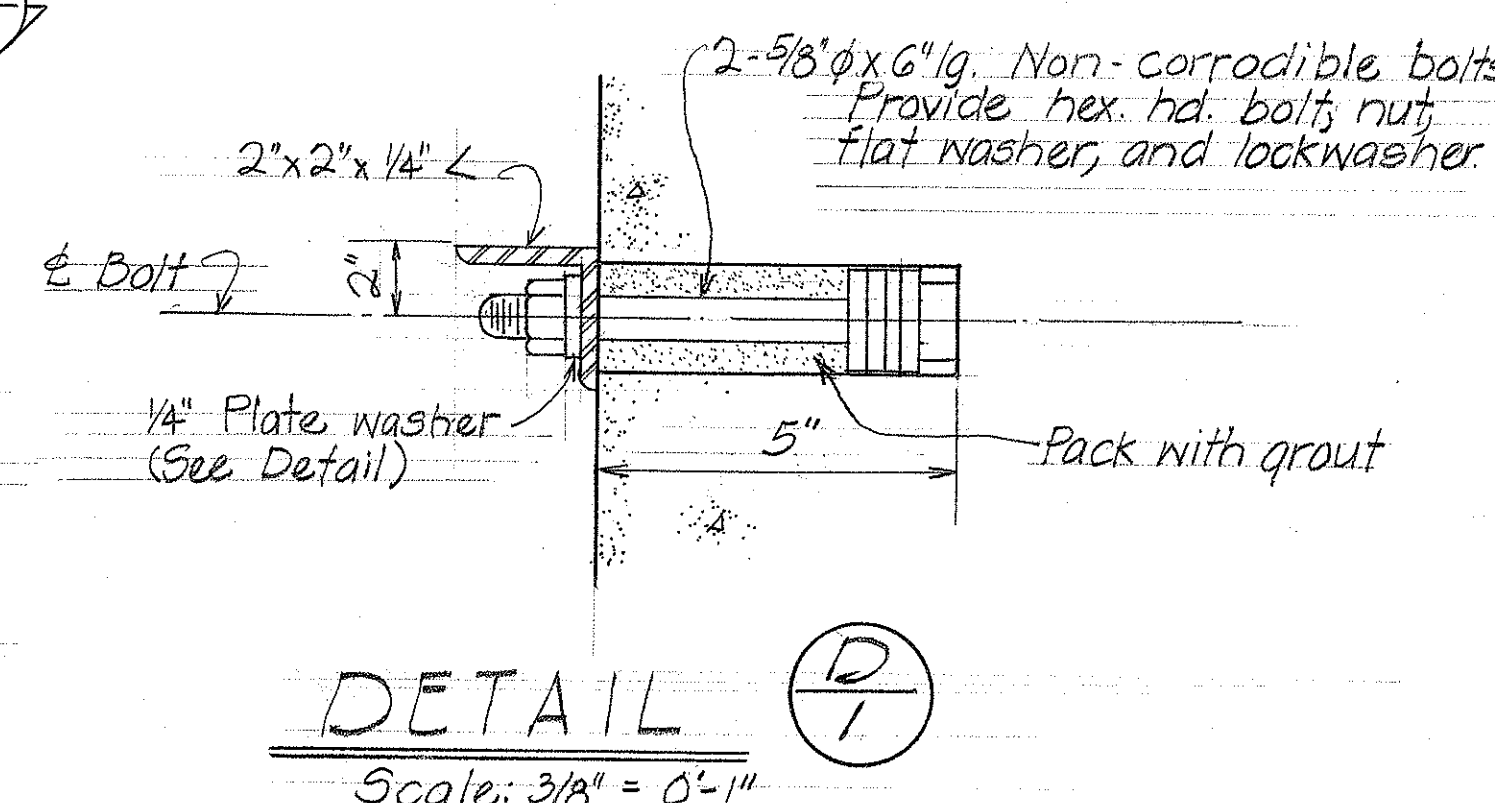
TYP. DETAIL

Scale: $\frac{1}{2}'' = 1'$



DETAIL - PLATE WASHER

Full Scale



DETAIL

Scale: $3/8" = 0'-1"$

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

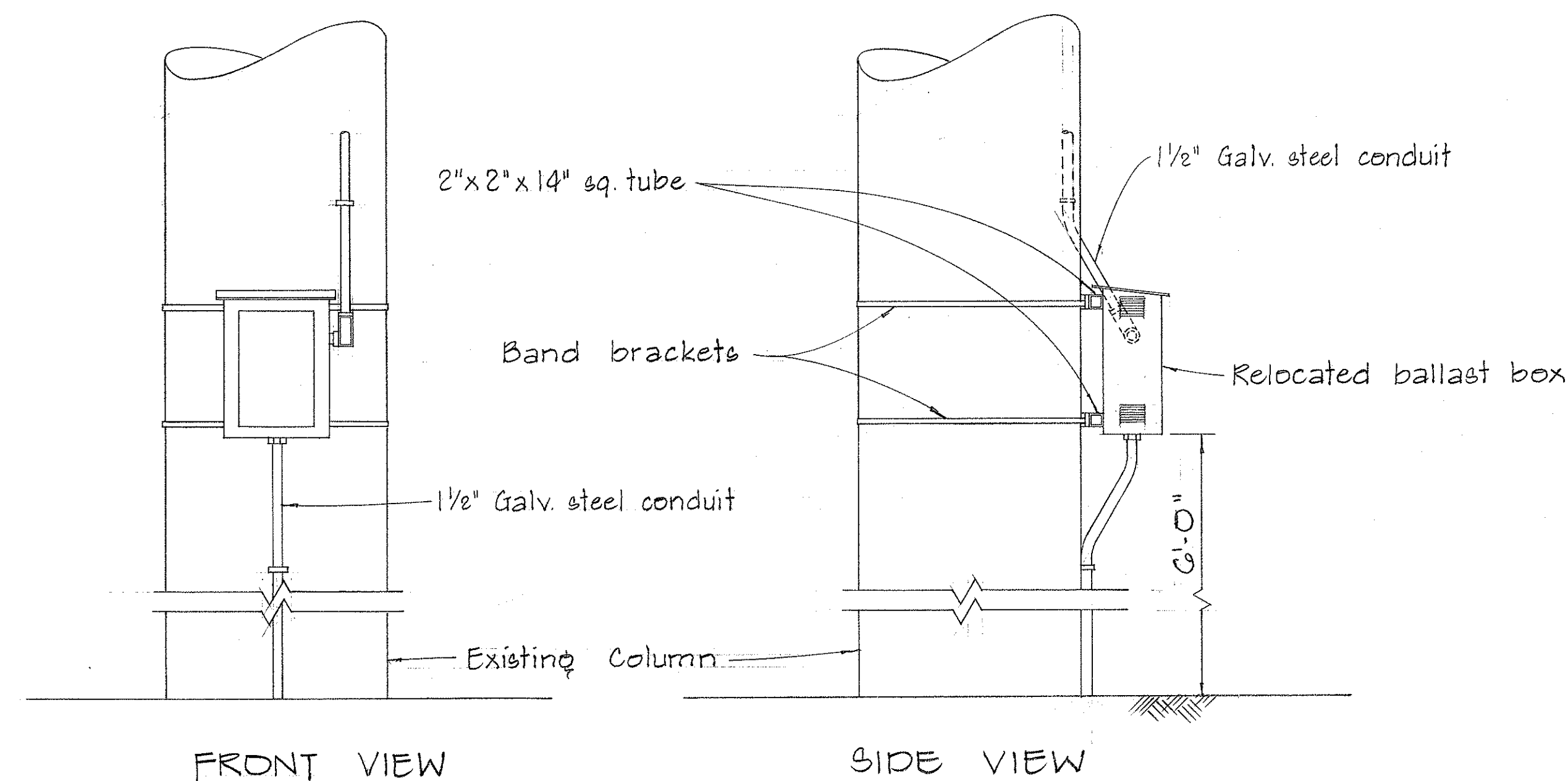
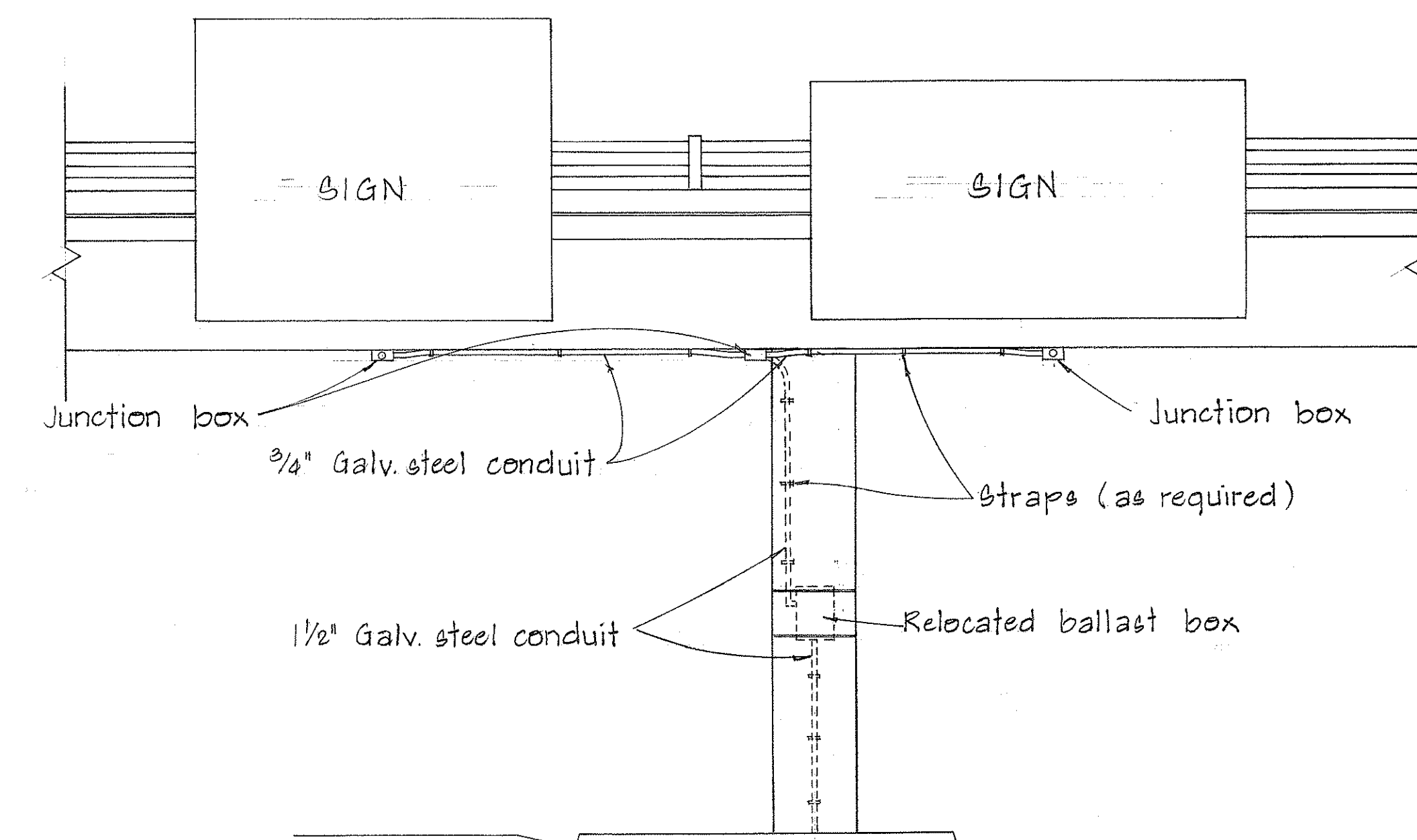
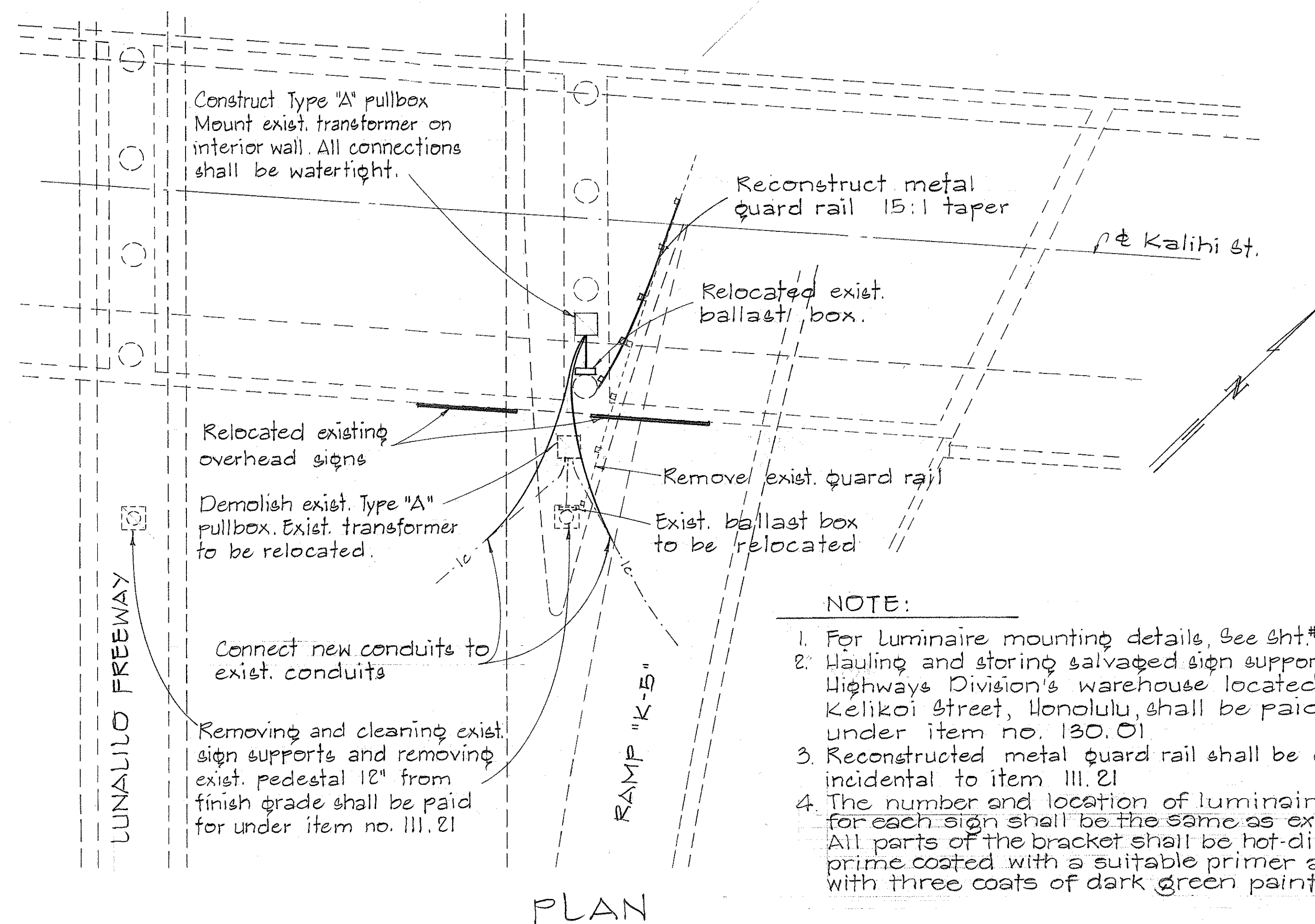
EXPRESSWAY SIGN SUPPORT
(STRUCTURE MOUNTED)

(SIGN E-1)
INTERSTATE ROUTE 4-1
Fed. Aid Interstate Proj. No. I-41-1(51)

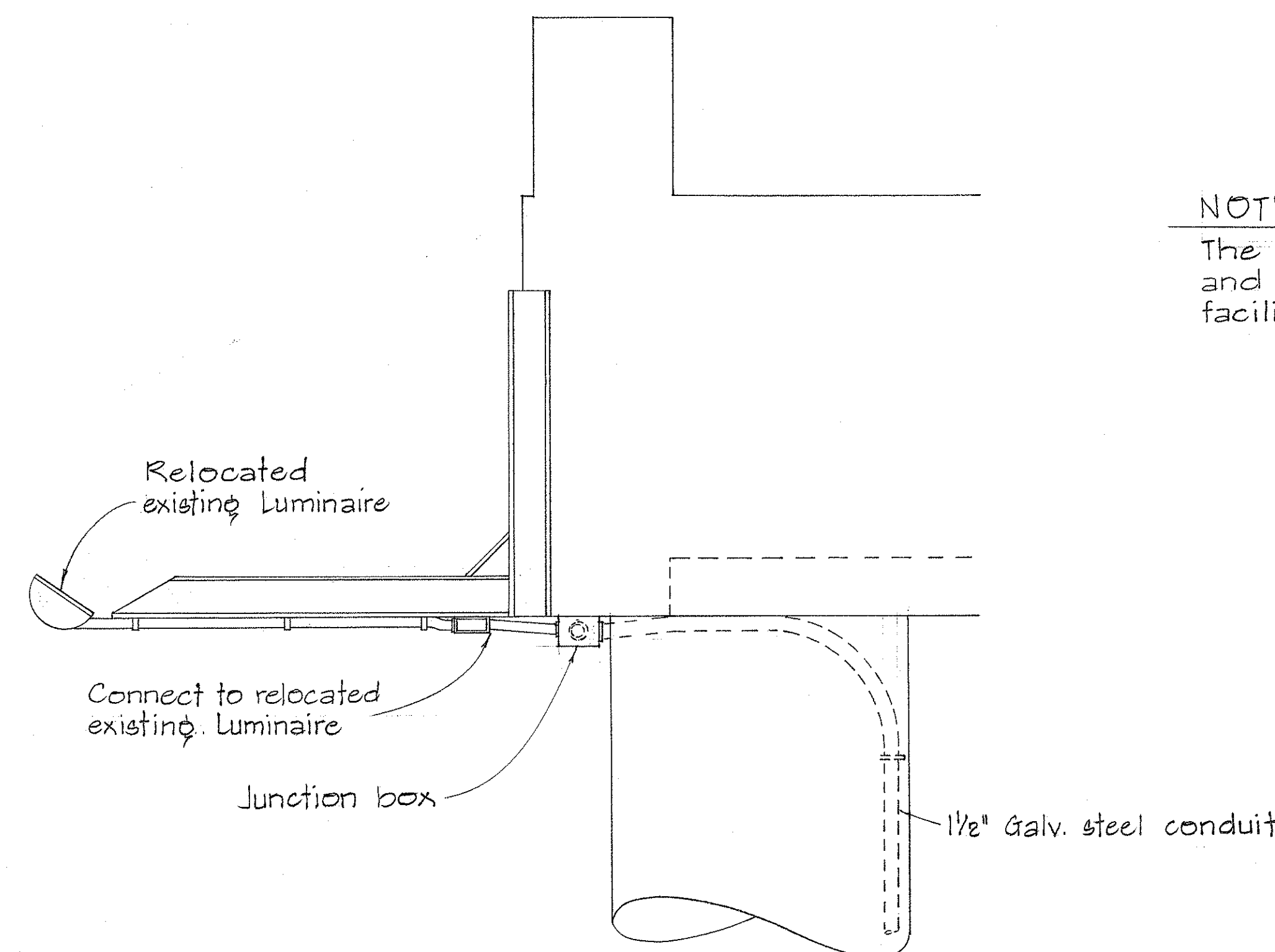
Scale: As Noted June, 1968

SHEET No. 1 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(51)	1968	20	33



WEATHER PROOF BALLAST MOUNTING DETAIL



NOTE:

The Contractor shall verify the dimensions and locations of existing equipment and facilities.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SIGN DETAILS
(SIGN E-1)

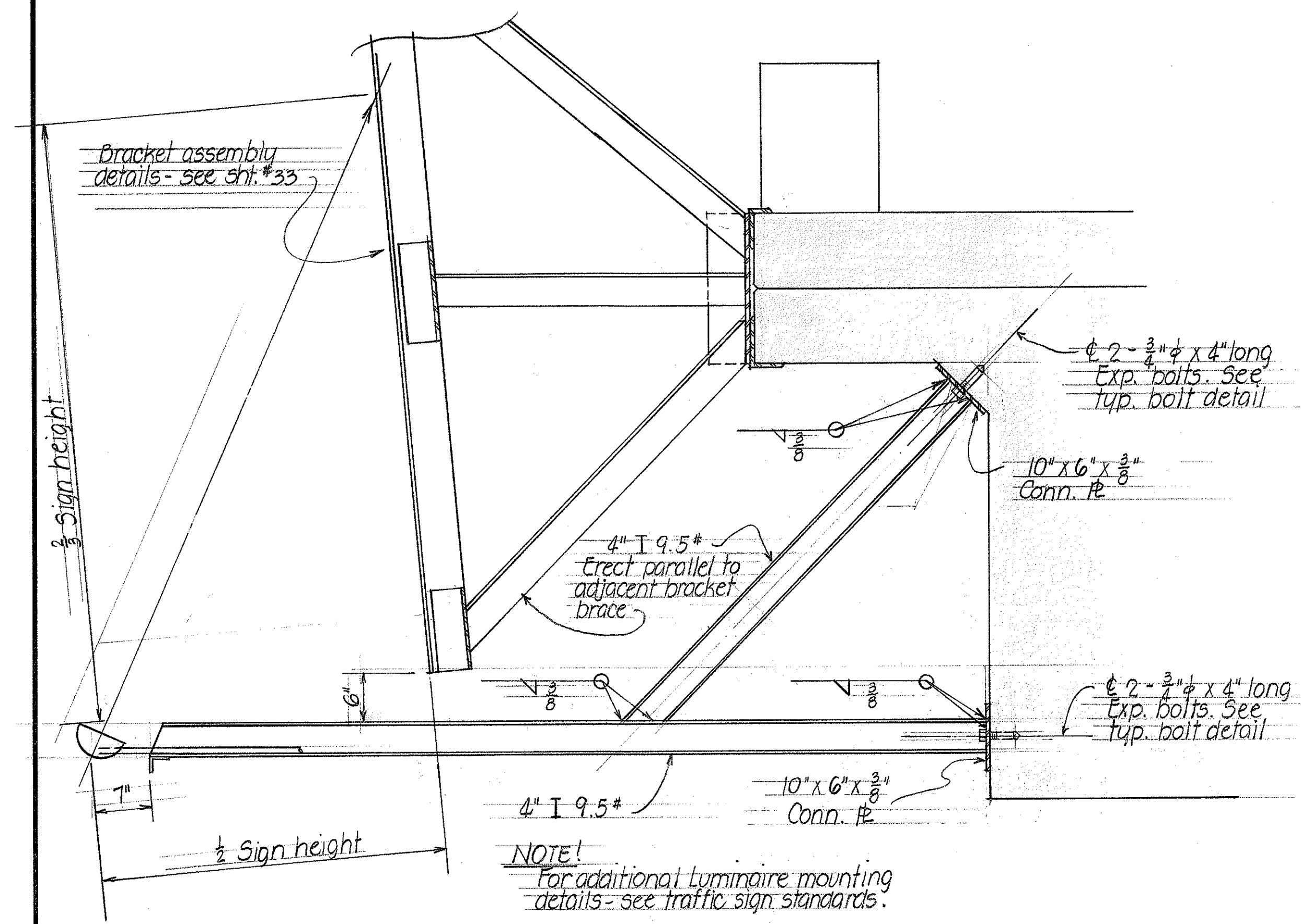
Not to Scale

June, 1968

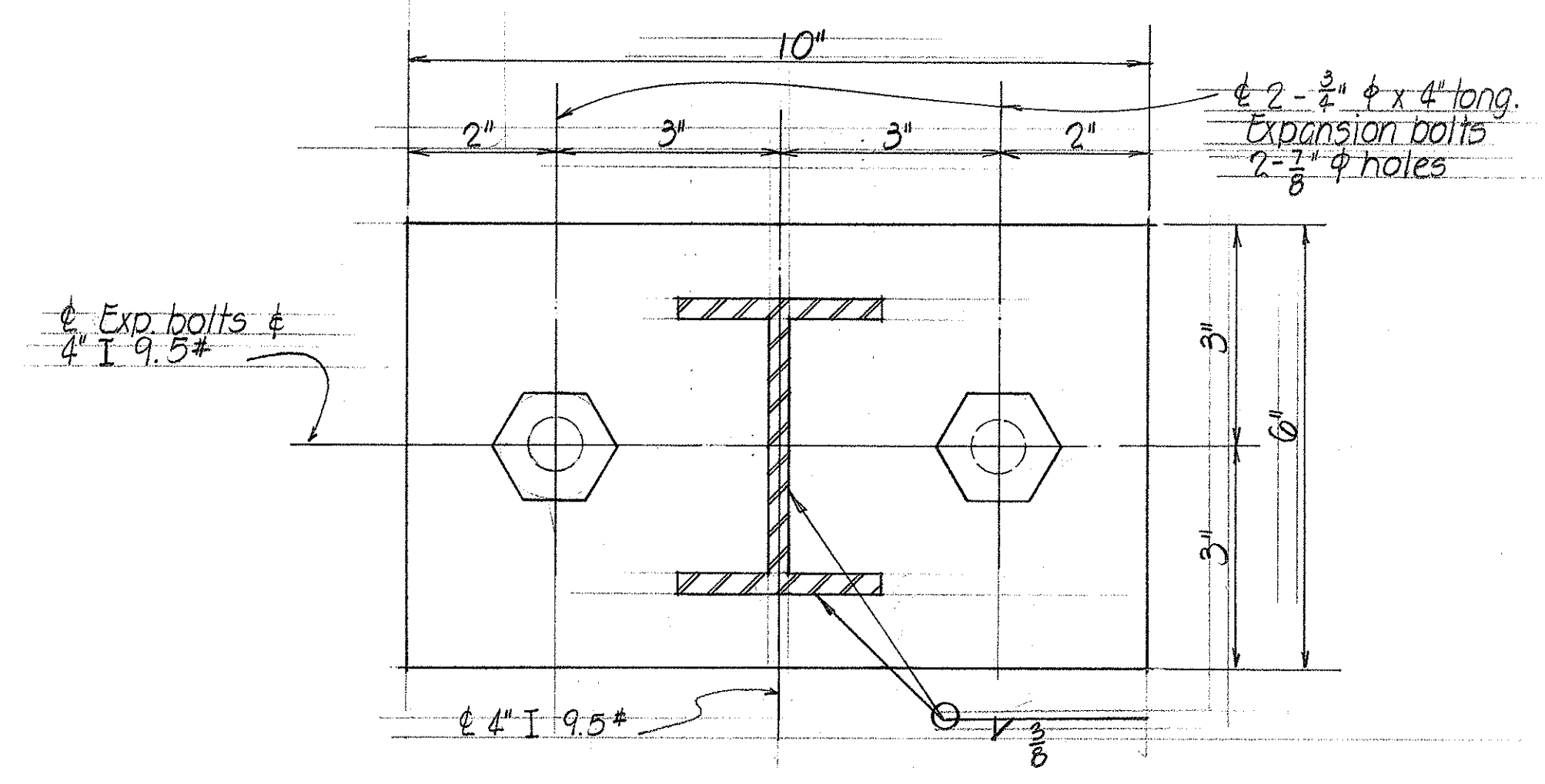
SHEET No. 2 OF 6 SHEETS

DATE	DESIGNED BY	CHECKED BY
PLAN	NOTED BY	REVISION
NOTE BOOK	QUANTITIES BY	
RE	CHECKED BY	

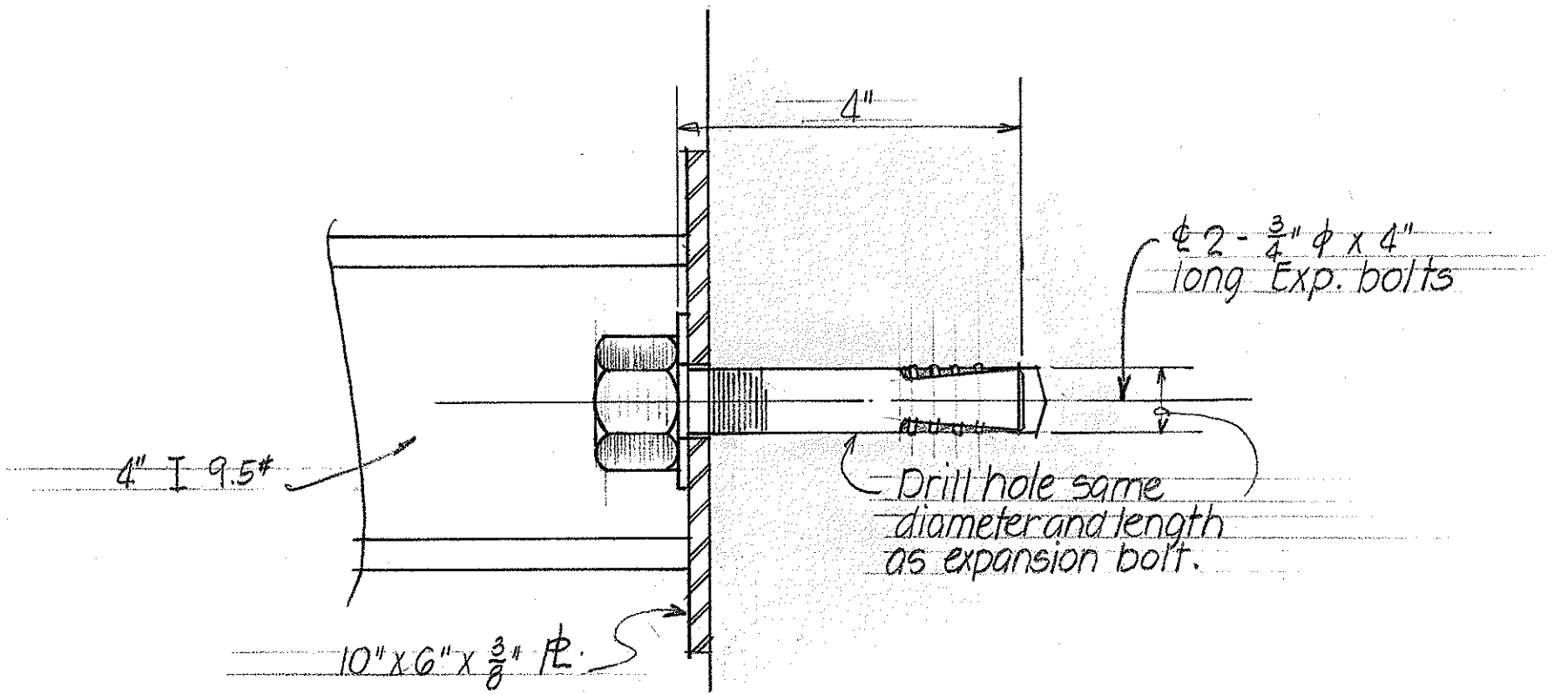
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(51)	1968	31	33



LUMINAIRE MOUNTING DETAIL
SCALE: 1" = 1'-0"



CONN. PL. DETAIL
SCALE: 1/2" = 1"



EXP. BOLT DETAIL
SCALE: 1/2" = 1"

DATE	____
SURVEY PLOTTED BY	____
DRAWN BY	____
TRACED BY	____
CHECKED BY	____
NOTED BY	____
QUANTITIES BY	____
CHECKED BY	____
ORIGINAL PLAN	____
NOTE BOOK	____
No.	____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EXPRESSWAY SIGN SUPPORTS
(STRUCTURE MOUNTED)
(SIGN E-2, E-3 & E-4)

INTERSTATE ROUTE H-1
F.A.I. PROJ. NO. I-HI-1(51)

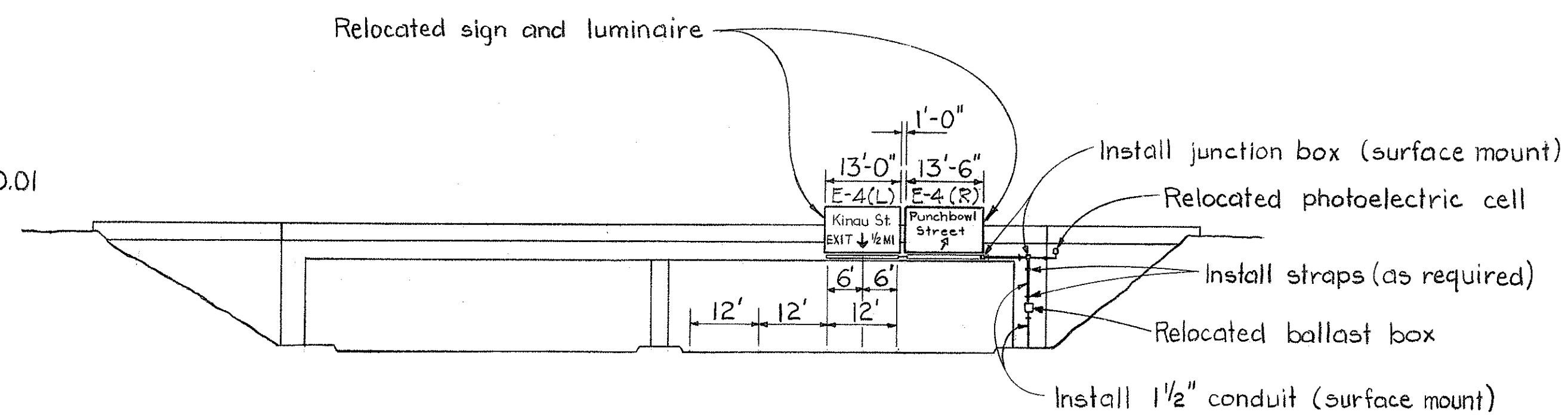
SCALE: AS NOTED DATE: SEPT. 1968

SHEET No. 4 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(51)	1969	32	33

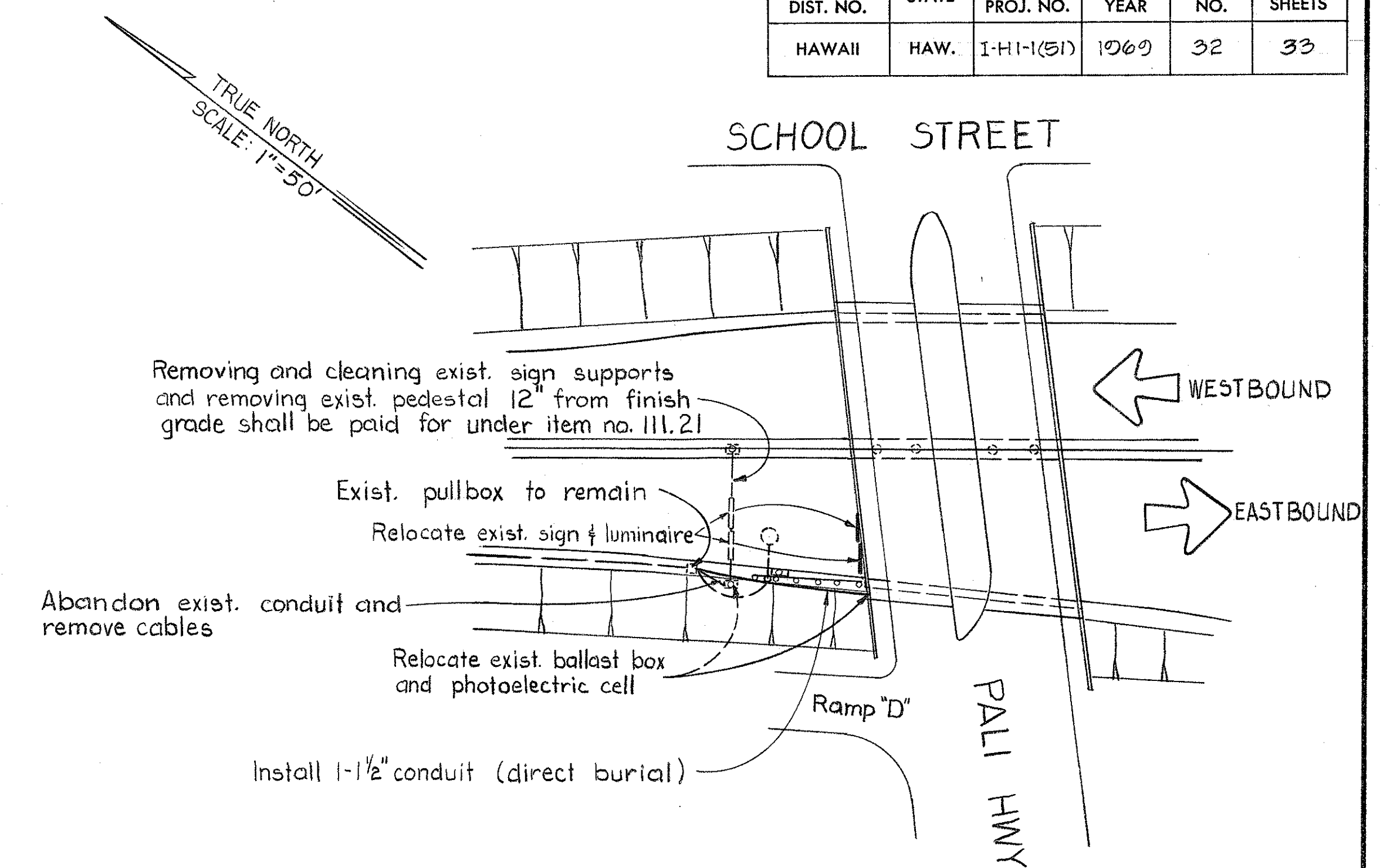
GENERAL NOTES:

- The contractor shall verify the dimensions and locations of existing equipment and facilities.
- Hauling and storing salvaged sign supports to the Highways Division's warehouse located at 721 Kelikoi Street, Honolulu, shall be paid for under item no. 130.01

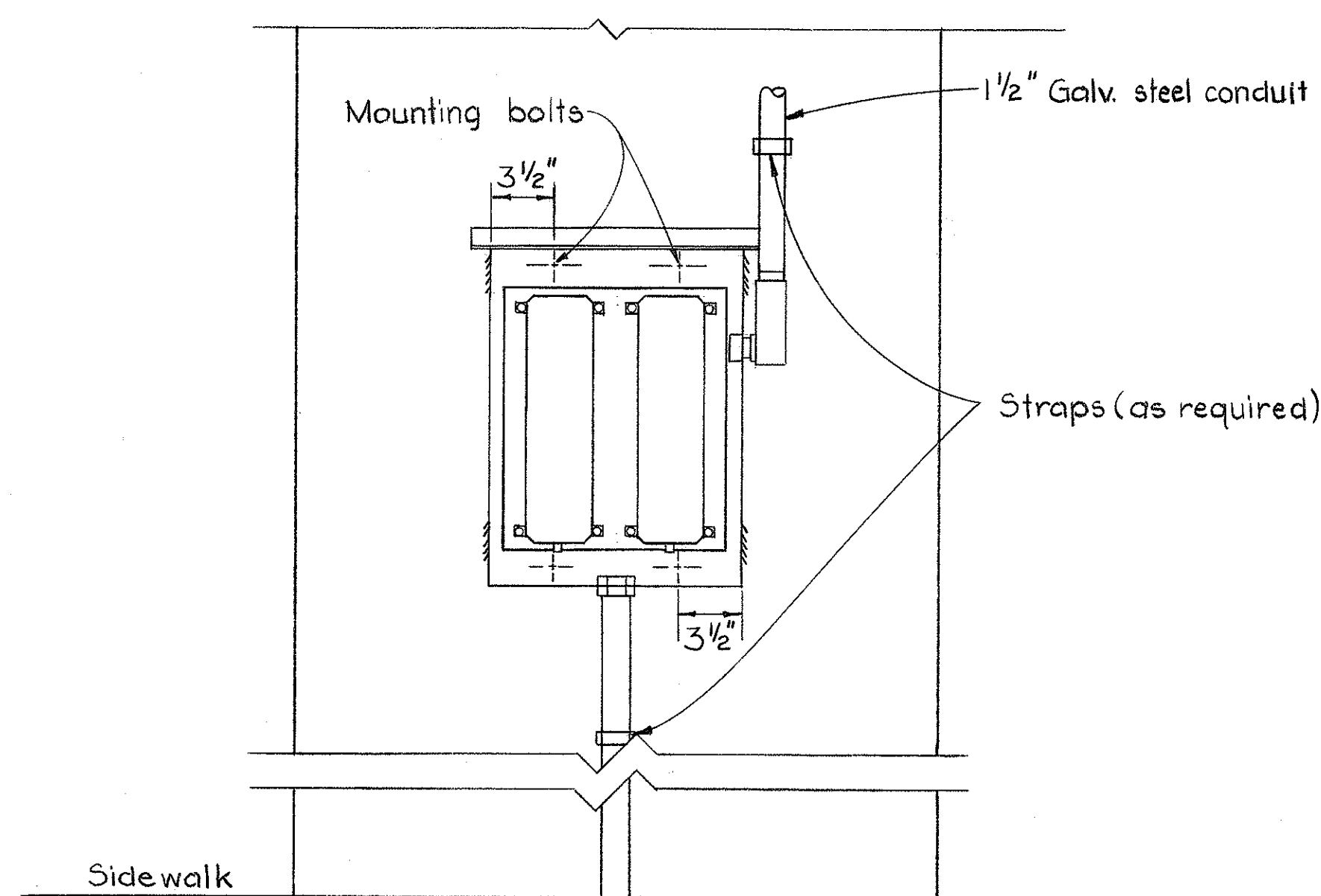


ELEVATION (EASTBOUND) SIGN E-4

SCALE: 1"=20'



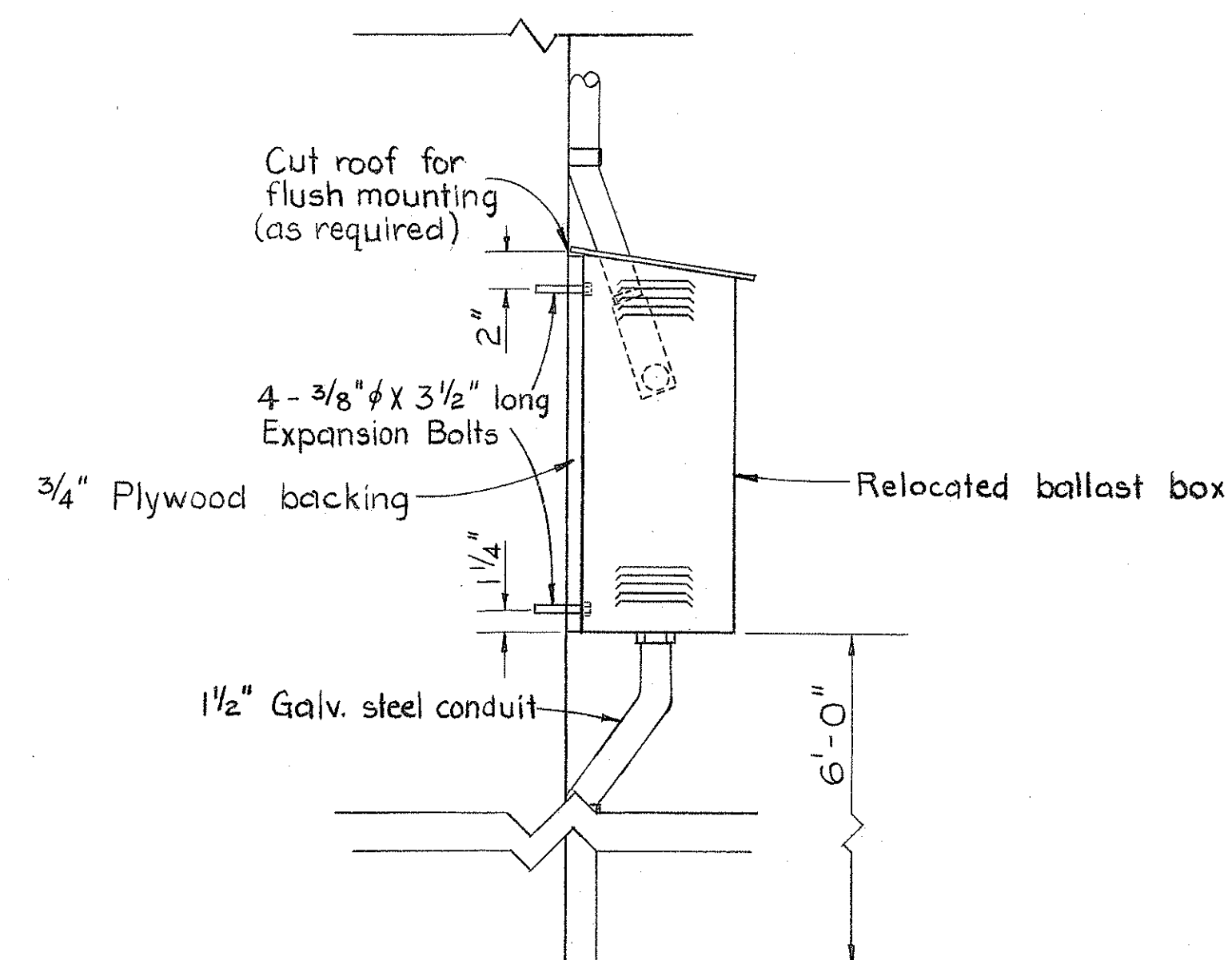
PLAN



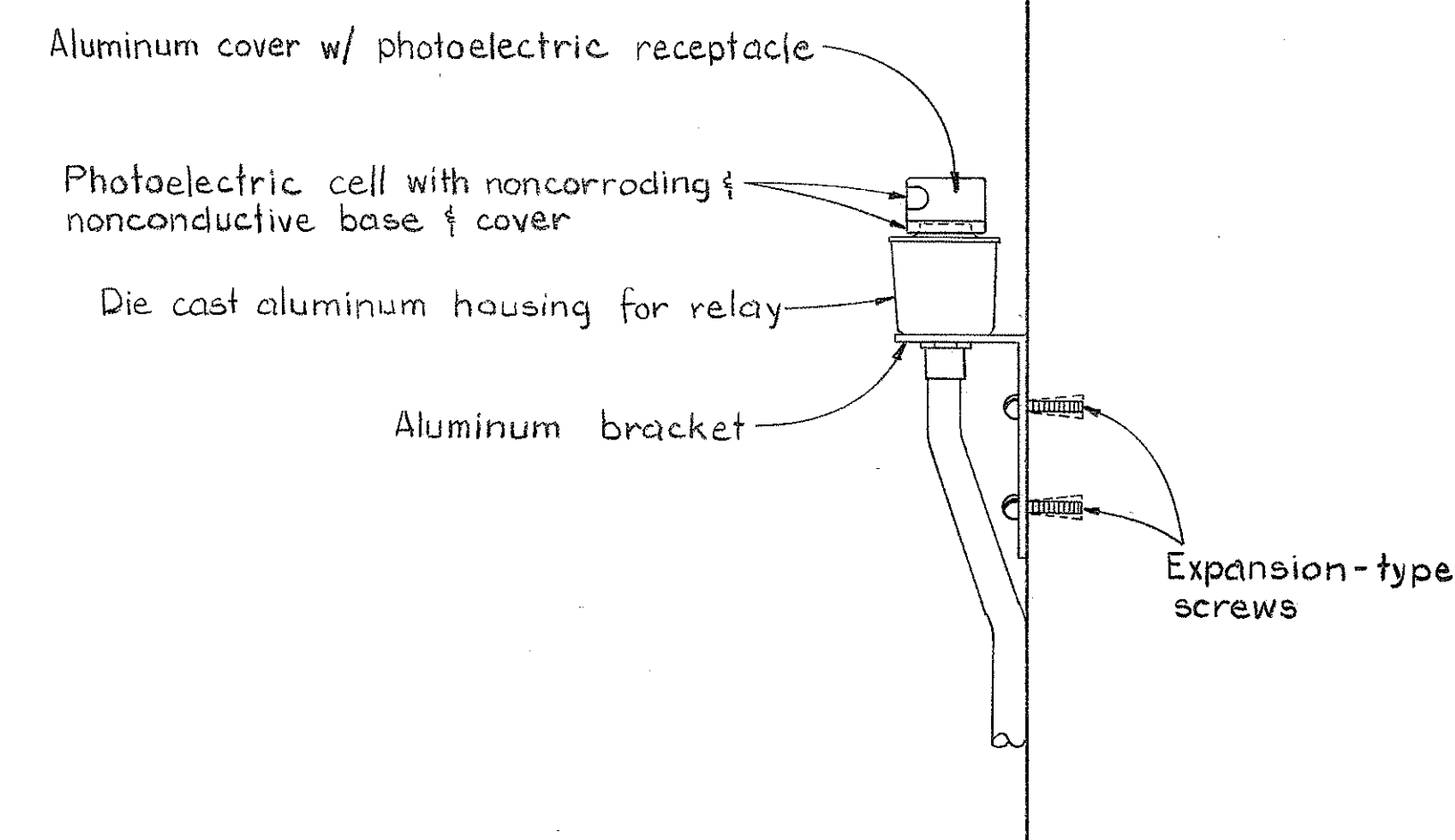
FRONT THRU VIEW

WEATHER PROOF BALLAST MOUNTING DETAIL

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

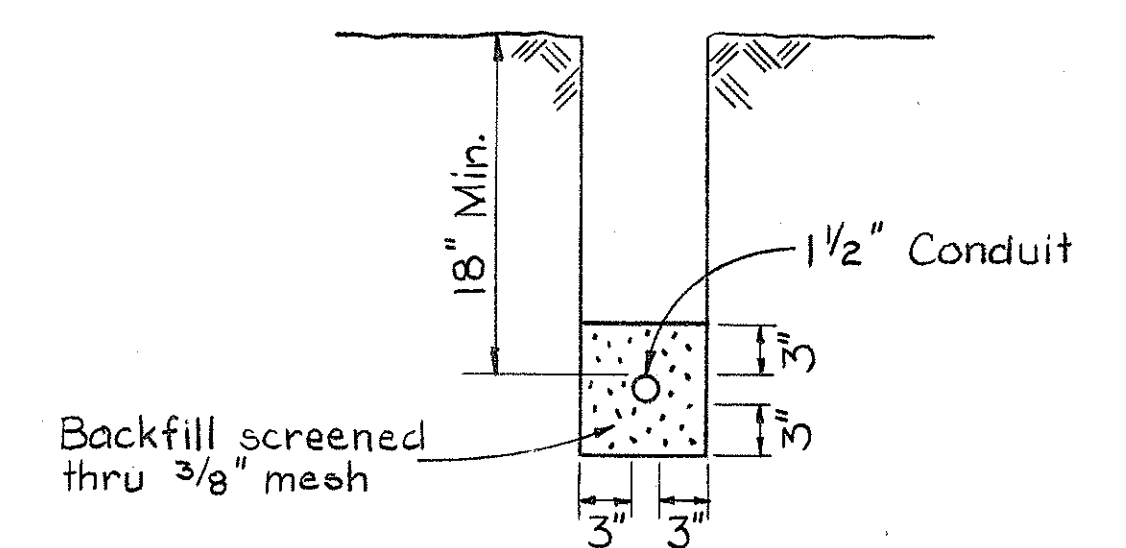


SIDE VIEW



BRACKET MOUNTED PHOTOELECTRIC CELL DETAIL

NOT TO SCALE



TYPICAL SECTION
DIRECT BURIED DUCT

NOT TO SCALE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

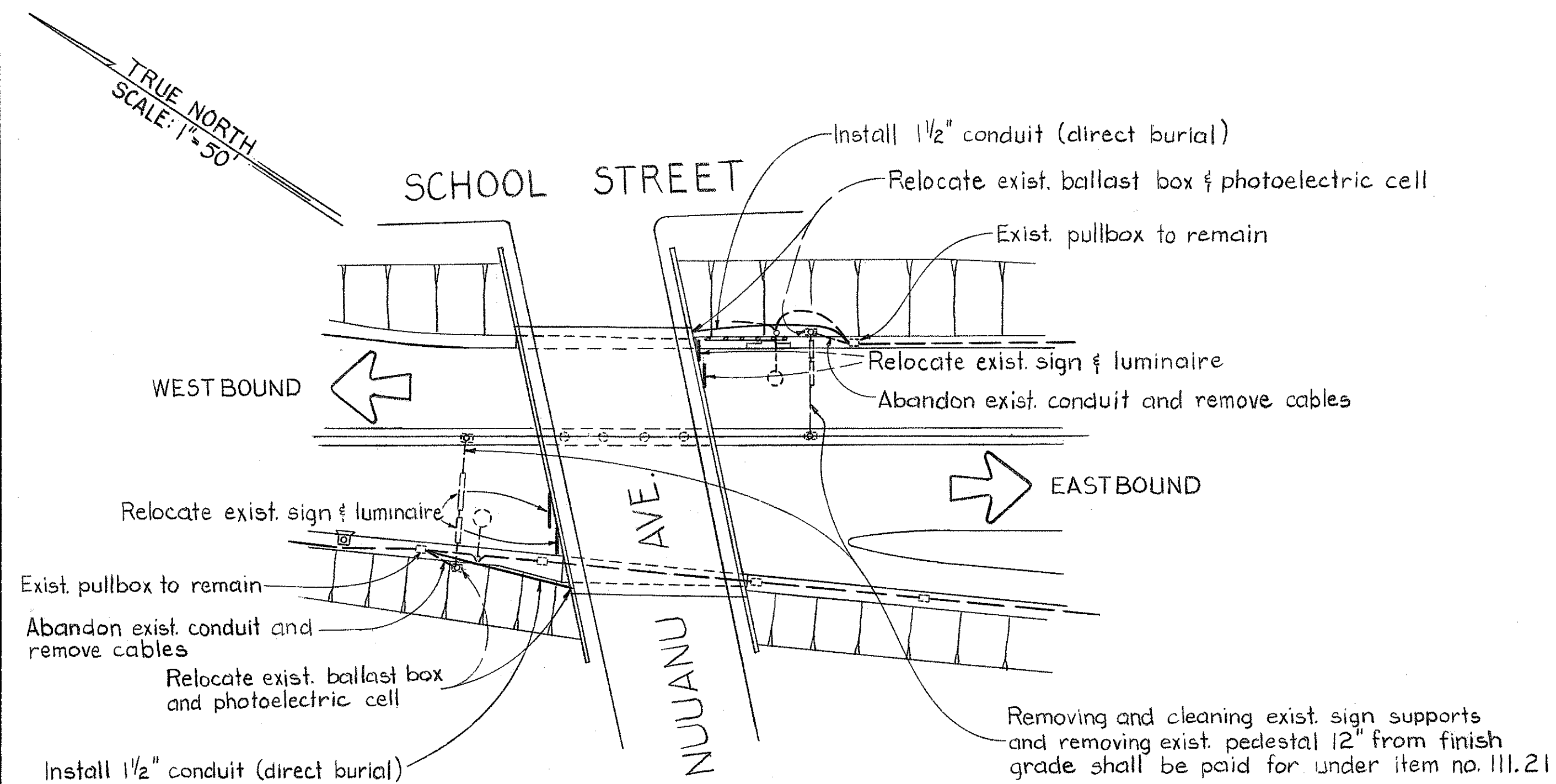
MISCELLANEOUS SIGN DETAILS
(SIGN E-2, E-3, & E-4)

INTERSTATE ROUTE H-1
F.A.I. PROJ. NO. I-H-1(51)

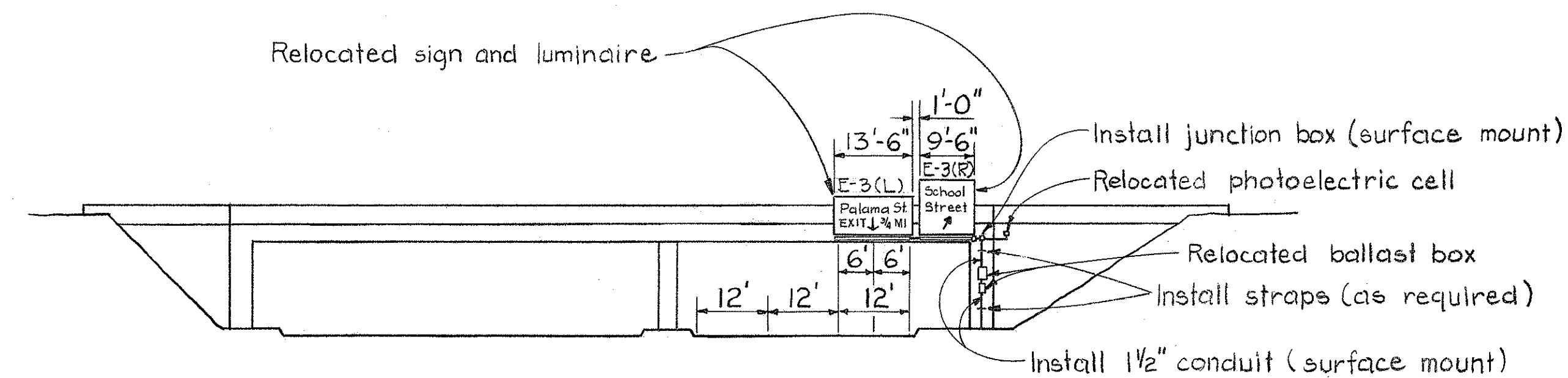
SCALE: AS NOTED DATE: SEPT. 1968

SHEET No. 5 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(51)	1968	33	33



PLAN

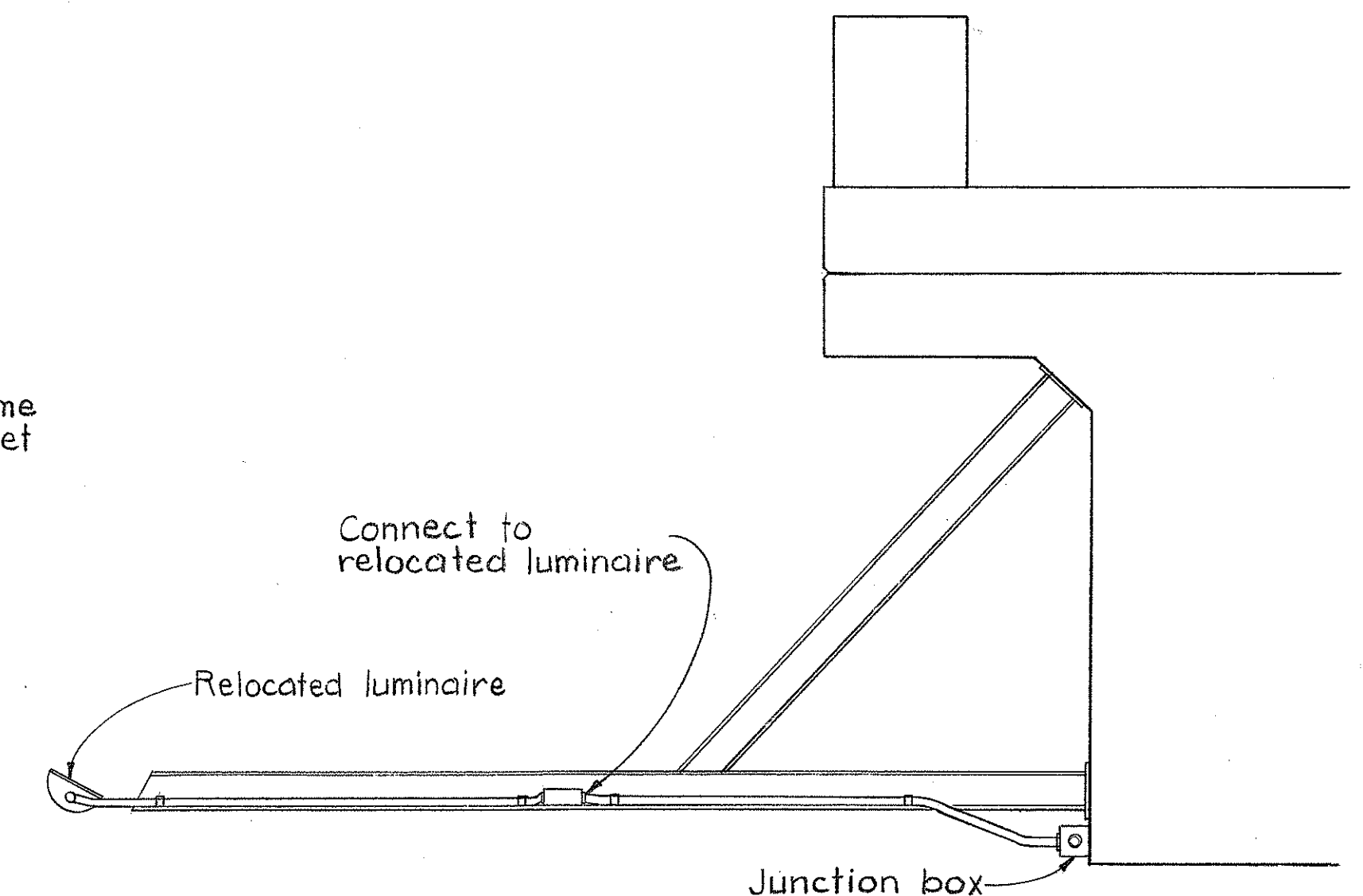


ELEVATION (WESTBOUND) SIGN E-3

SCALE: 1" = 20'

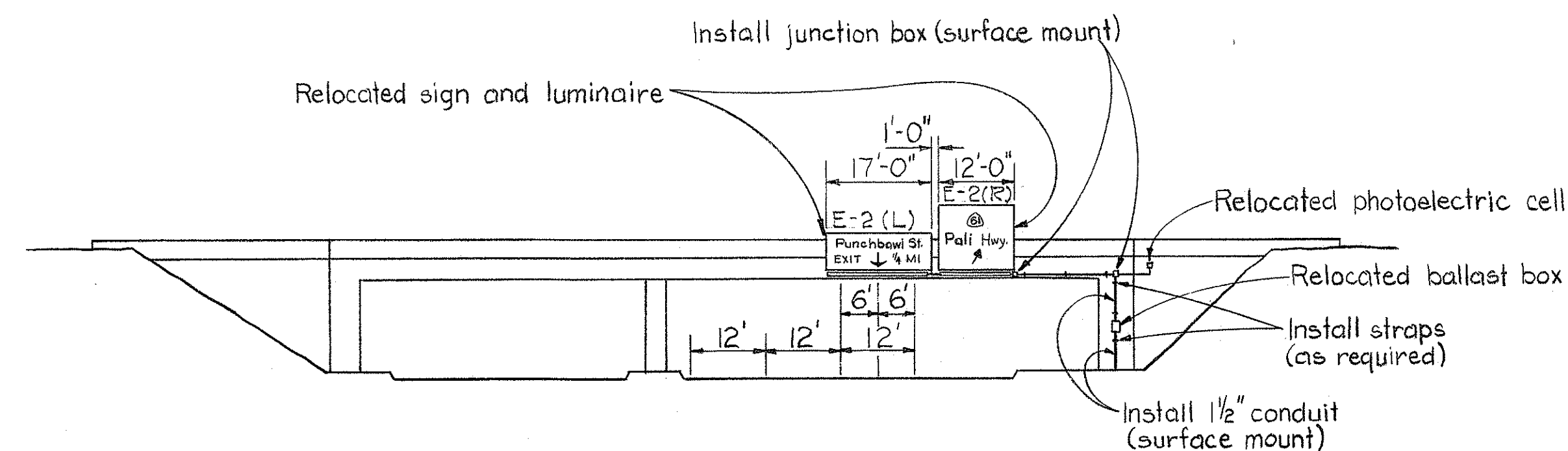
NOTE:

The number and location of luminaire brackets for each sign shall be the same as existing. All parts of the bracket shall be hot-dip galvanized, prime coated with a suitable primer and painted with three coats of dark green paint.



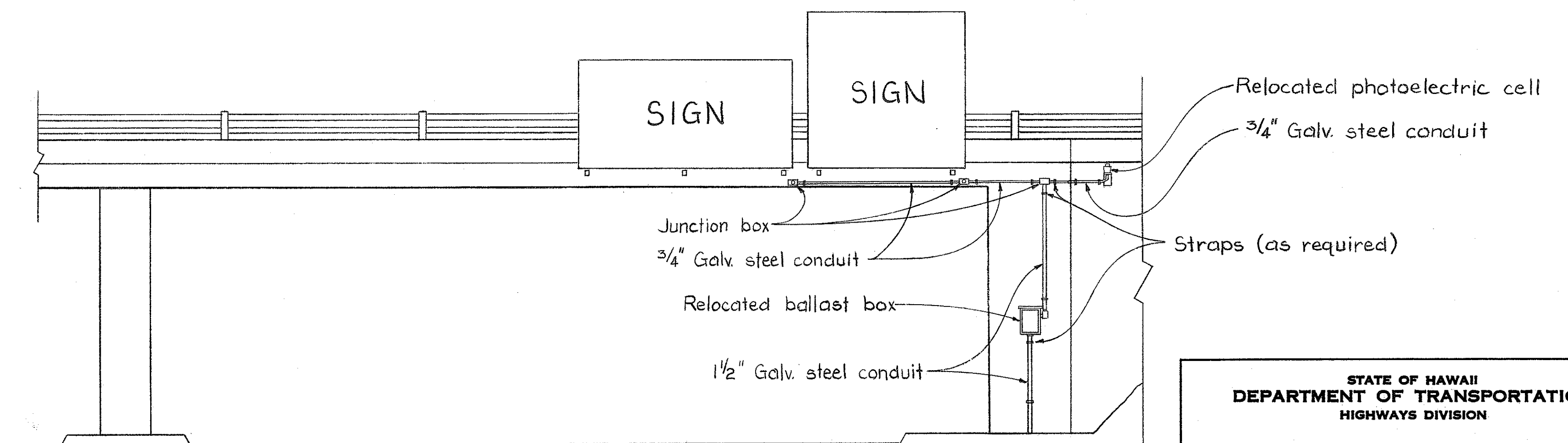
TYPICAL LUMINAIRE CONNECTION

NOT TO SCALE



ELEVATION (EASTBOUND) SIGN E-2

SCALE: 1" = 20'



TYPICAL CONDUIT INSTALLATION FOR LUMINAIRE & PHOTOELECTRIC CELL

NOT TO SCALE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SIGN DETAILS
(SIGN E-2, E-3 & E-4)

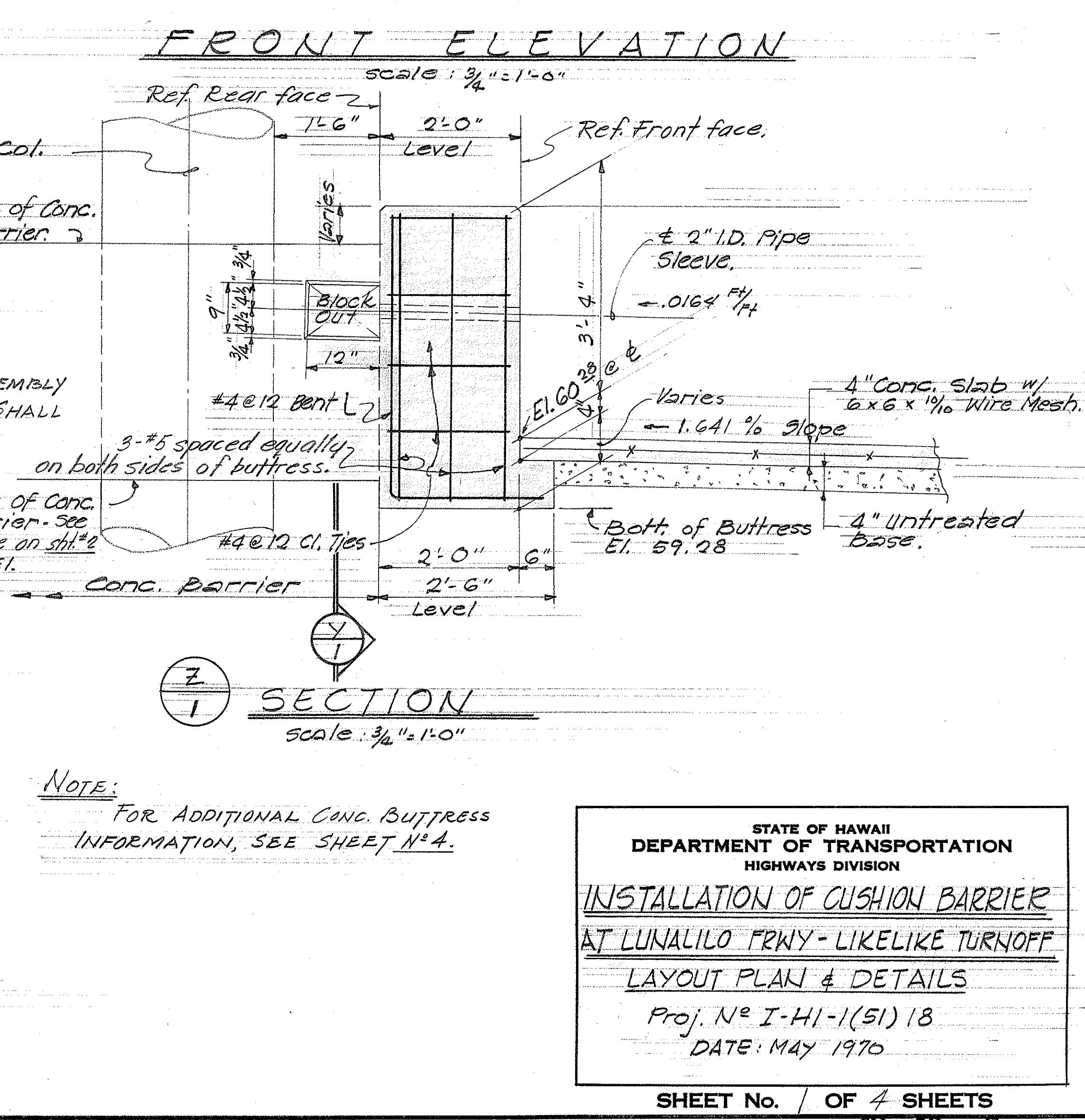
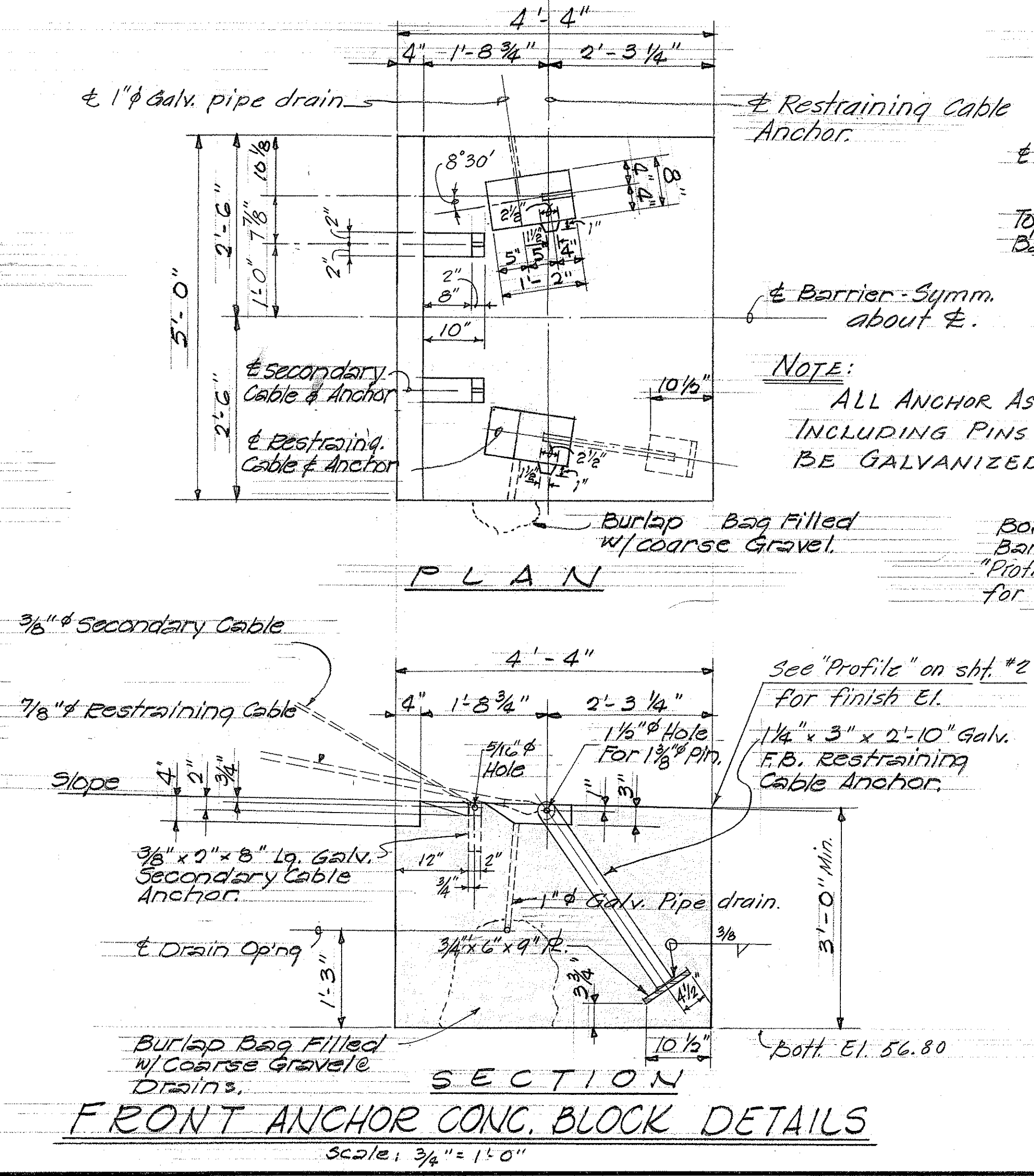
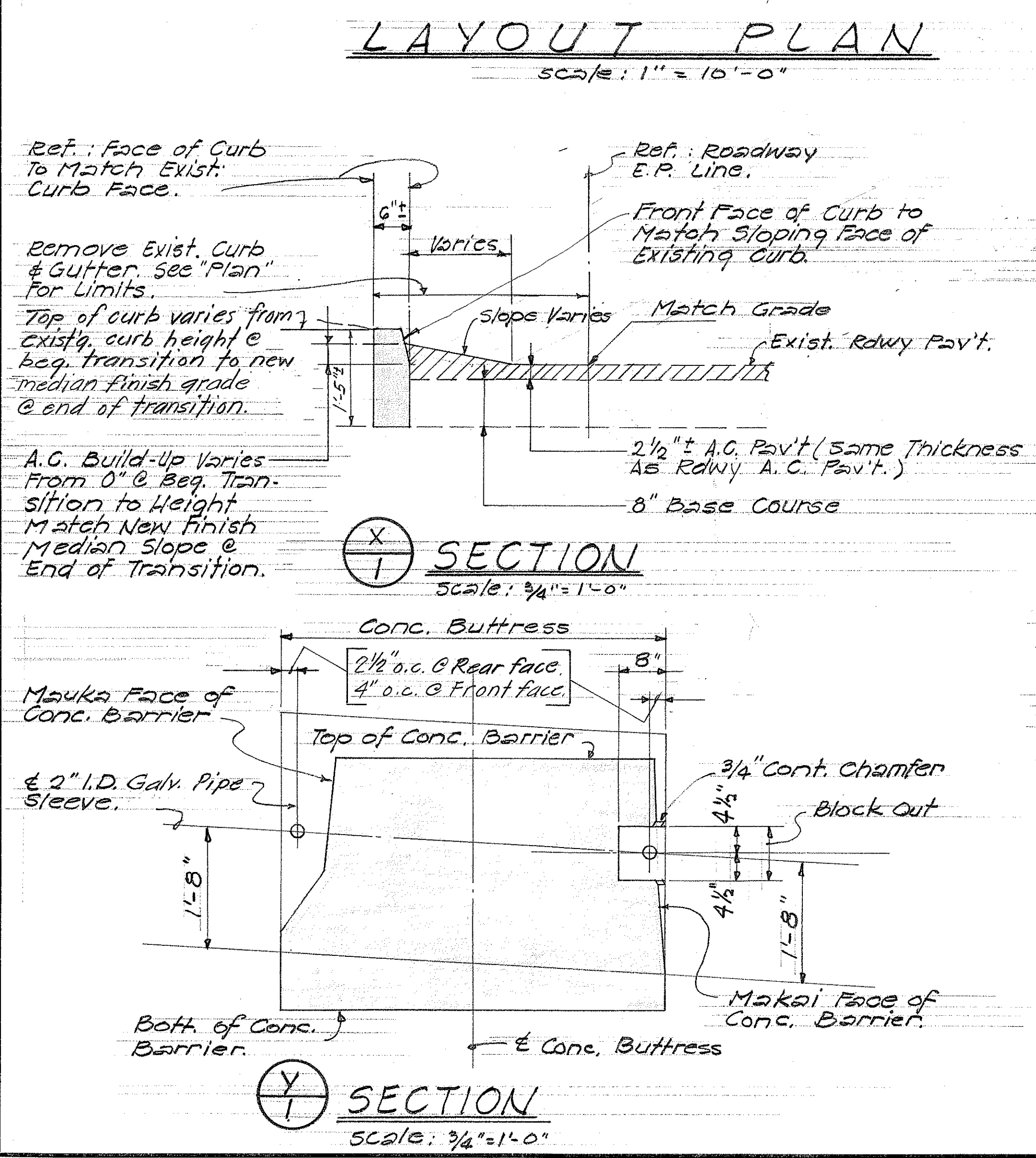
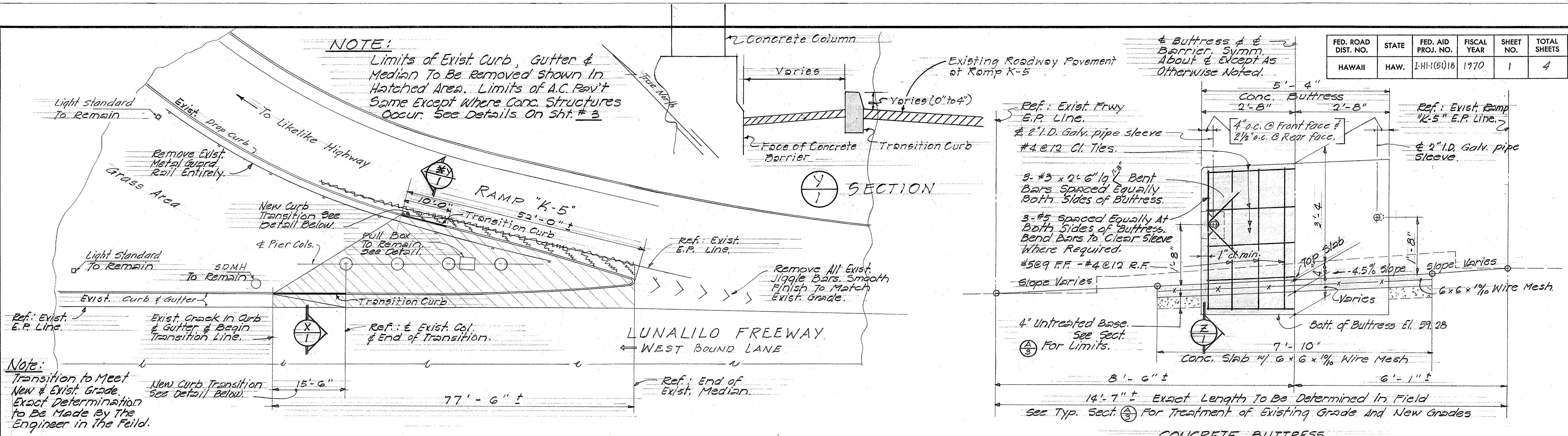
INTERSTATE ROUTE H-1
F.A.I. PROJ. NO. I-HI-1(51)

SCALE: AS NOTED DATE: SEPT. 1968

SHEET No. 6 OF 6 SHEETS

DATE	DESIGNED BY	CHECKED BY
PLAN	NOTE BOOK	No.
ORIGINAL	SURVEY PLOTTED BY	
DESIGNED BY		
CHECKED BY		
NOTE BOOK		
No.		

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(51)18	1970	1	4



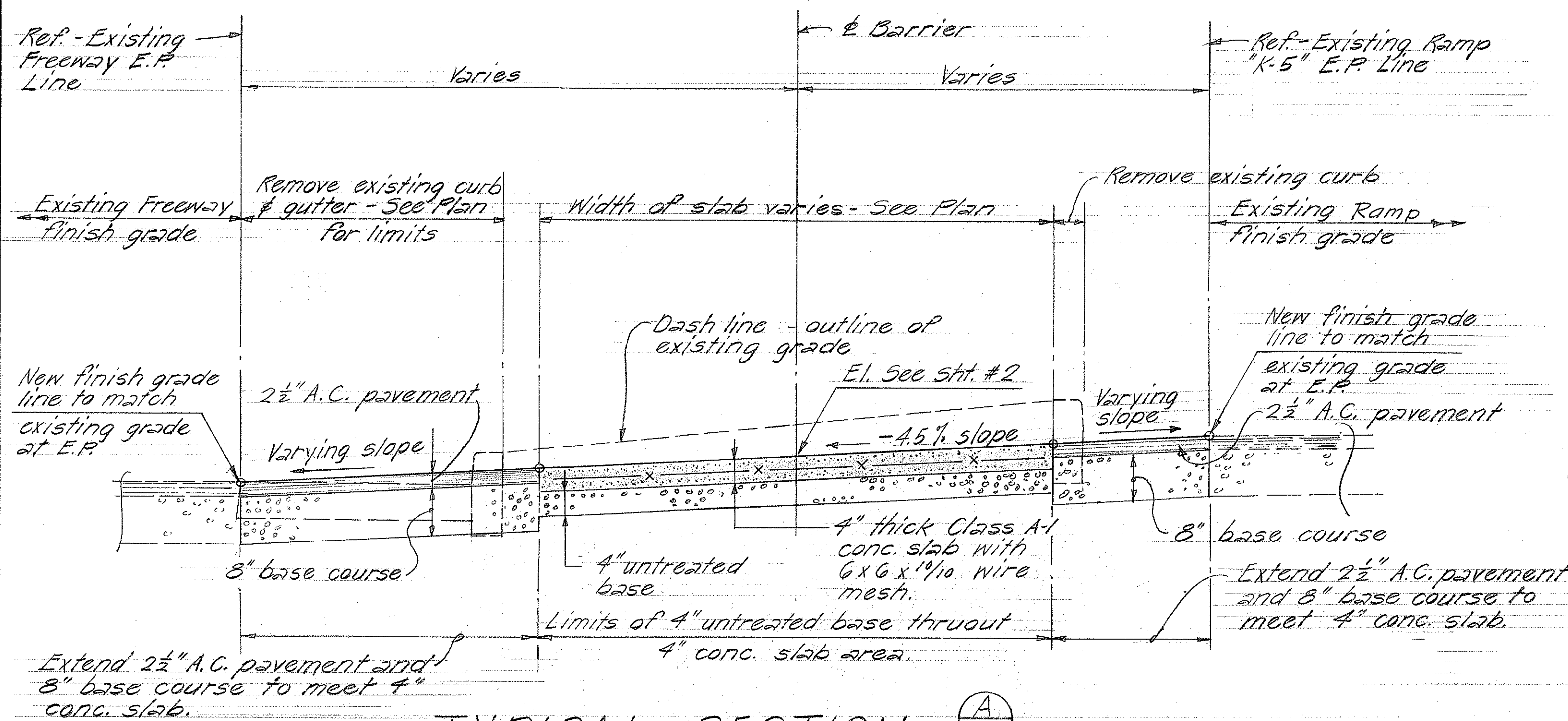
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**INSTALLATION OF CUSHION BARRIER
AT LUNALILO FRWY - LIKELIKE TURNOFF**

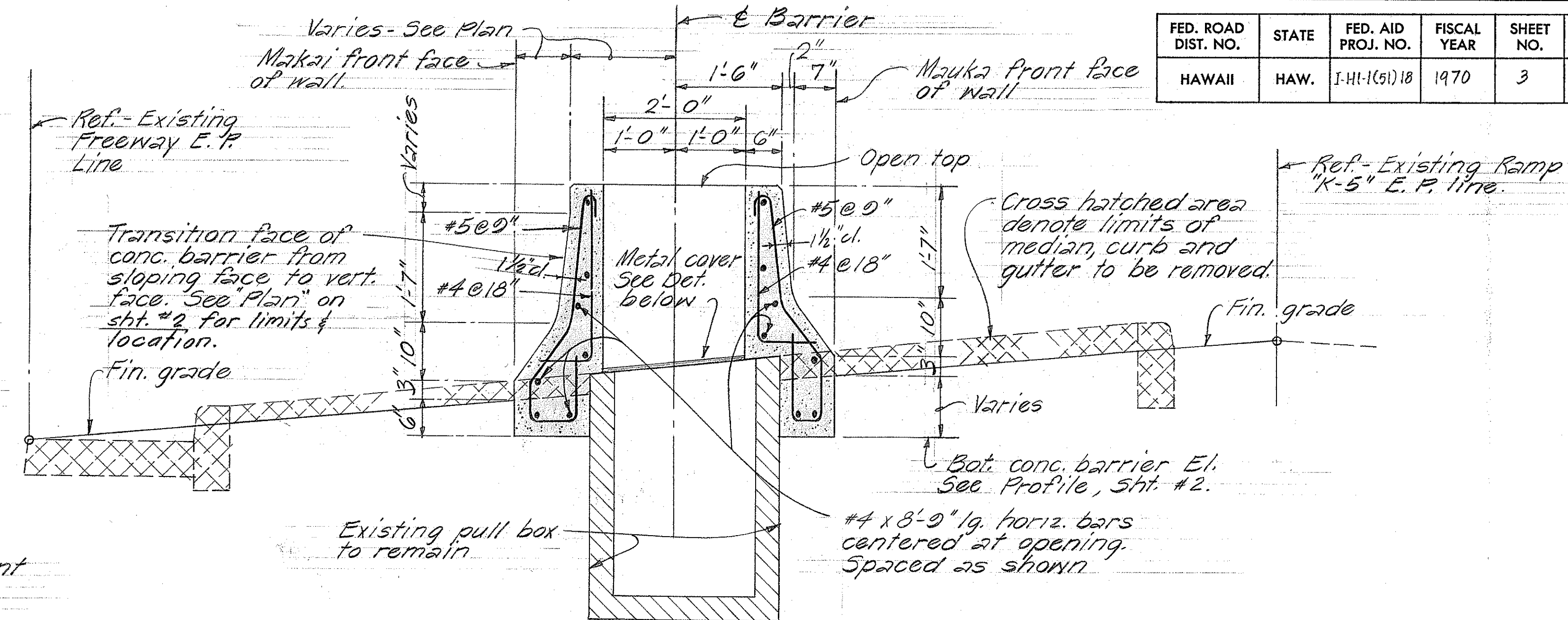
LAYOUT PLAN & DETAILS

Proj. No. I-H-1(51)18
DATE: MAY 1970

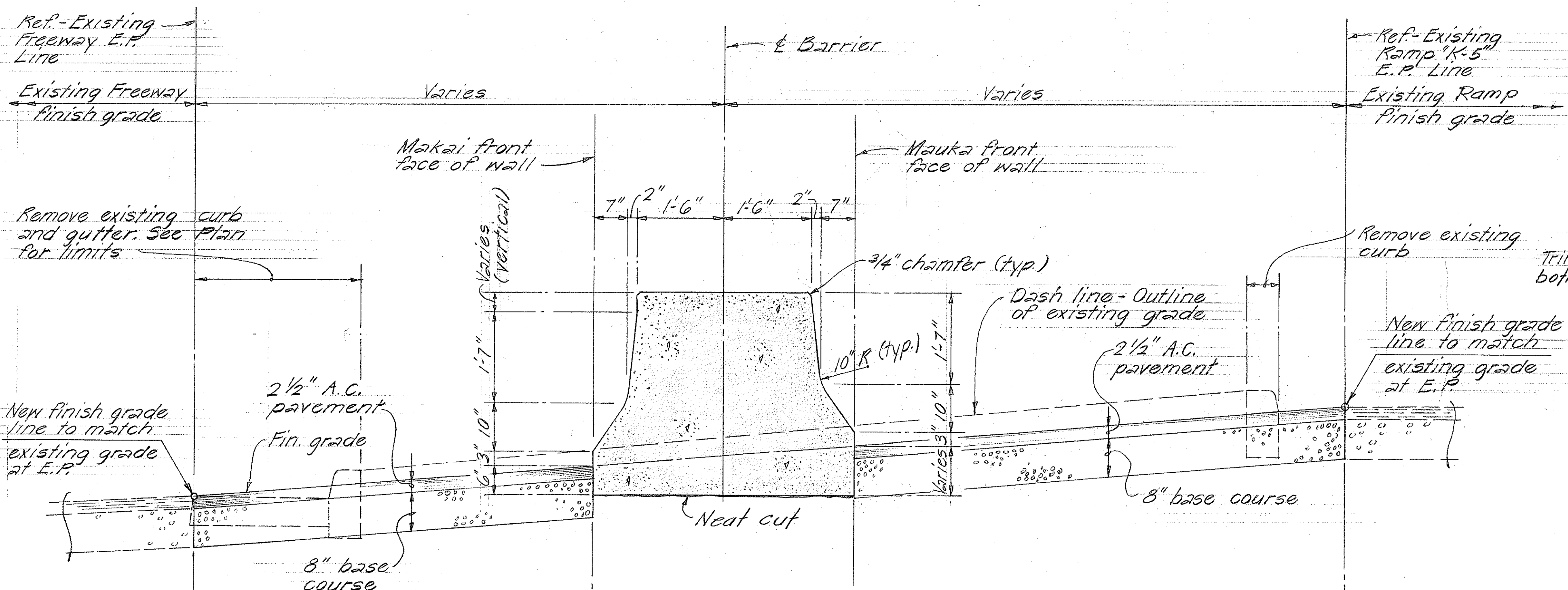
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(51)18	1970	3	4



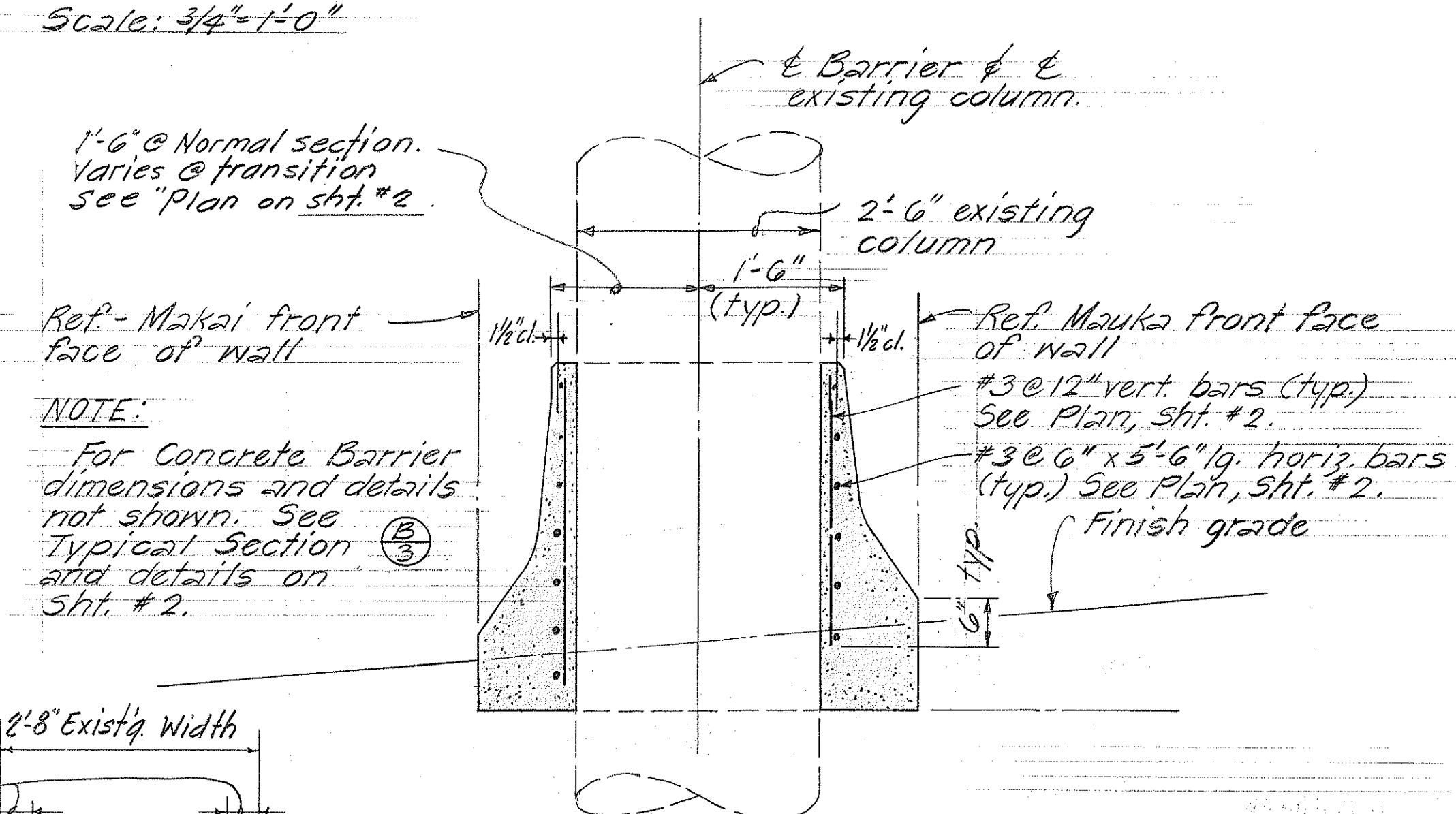
TYPICAL SECTION A-3 Scale: 3/4" = 1'-0"



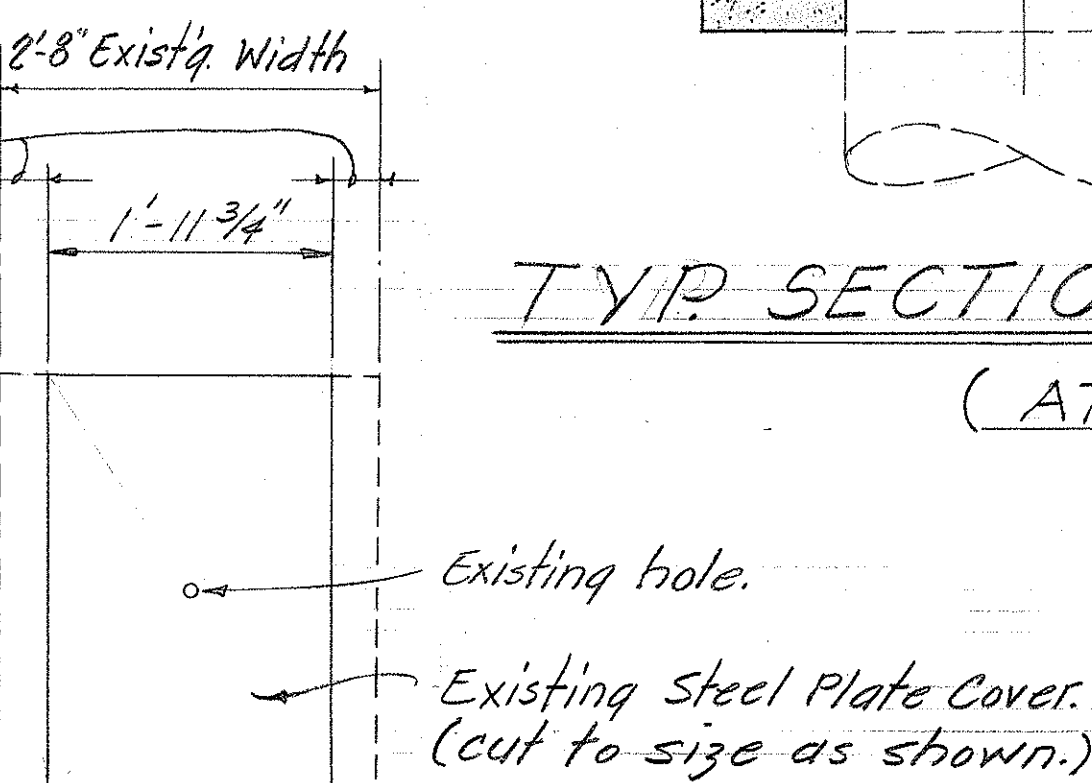
SECTION C-3 Scale: 3/4" = 1'-0"



TYPICAL SECTION B-3 Scale: 3/4" = 1'-0"



TYP. SECTION D-3 Scale: 3/4" = 1'-0"
(AT COLUMNS)



PLAN Scale: 3/4" = 1'-0"
(STEEL PLATE COVER)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BARRIER DETAILS

LUNALILO FREEWAY-LIKELIKE TURN-OFF

PROJ. N^o I-HI-1(51)18

DATE: MAY, 1970

SHEET No. 3 OF 4 SHEETS

33 C