

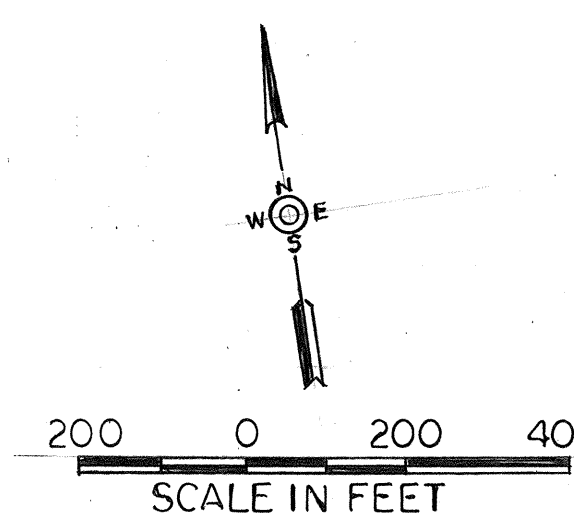
BEGIN:
RAMP NO. AW-1W
STA. 49+56

END:
RAMP NO. AW-1W
STA. 62+08

END:
RAMP NO. EA
STA. 74+56

BEGIN:
RAMP NO. EA
STA. 49+95

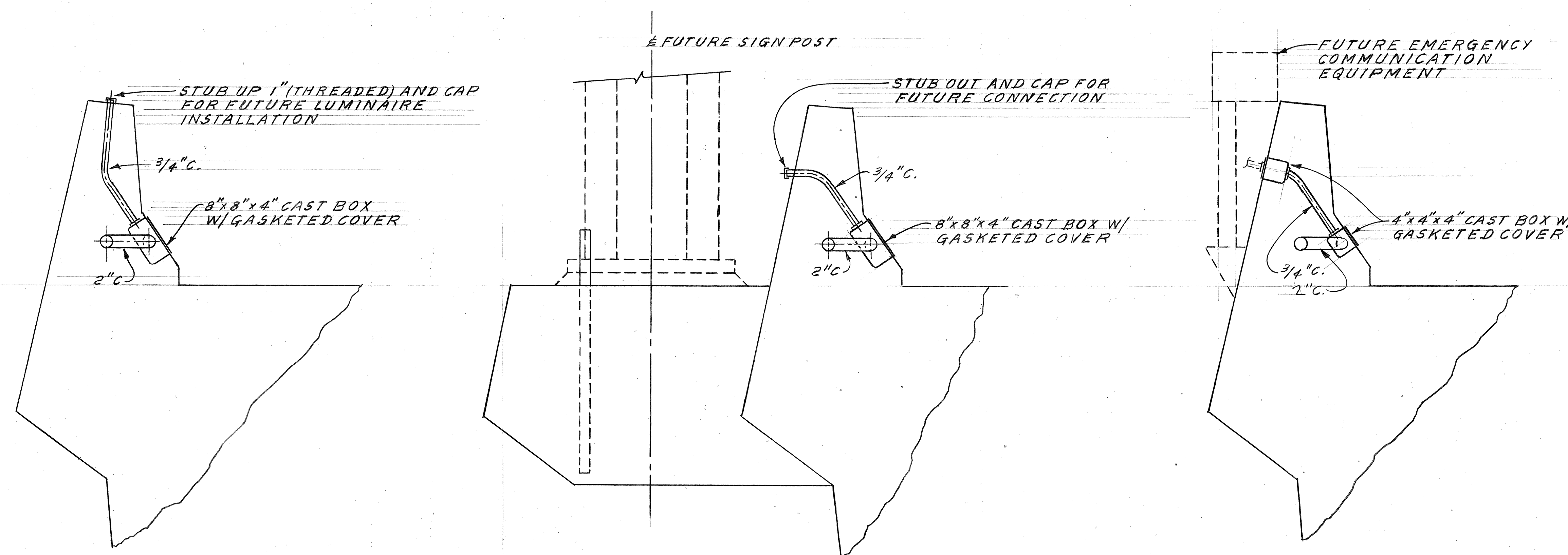
0 100 200
FEET



NOTES:

1. ALL CONDUITS EMBEDDED IN CONCRETE STRUCTURES AND PASSING THROUGH AN EXPANSION JOINT, SHALL BE INSTALLED WITH EXPANSION COUPLINGS. THE CROSSING OF EXPANSION JOINTS SHALL BE AT A RIGHT ANGLE TO THE JOINT.

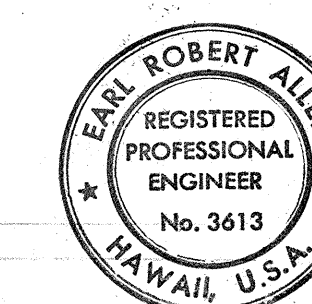
ELECTRICAL SYMBOL LIST	
	Conduit embedded in concrete viaduct structure
	Capped Conduit
	Emergency Communication Pull Box
	Detail Indicator: Top Half - Detail No. Bottom Half - Sht. No.



CONNECTION DETAIL (T)
SCALE: 1" = 1'-0" E-1

CONNECTION DETAIL (2)
SCALE: 1" = 1'-0" (E-1)

CONNECTION DETAIL (3)
SCALE: 1" = 1'-0" (E.I.)



**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION**

ROADWAY LIGHTING

KEY PLAN, NOTES AND DETAILS

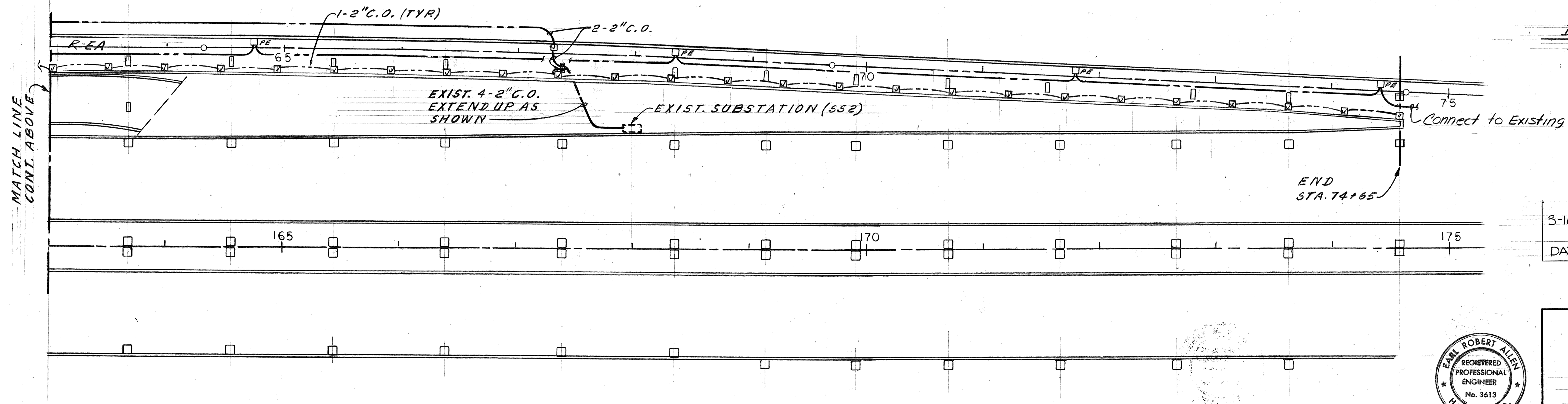
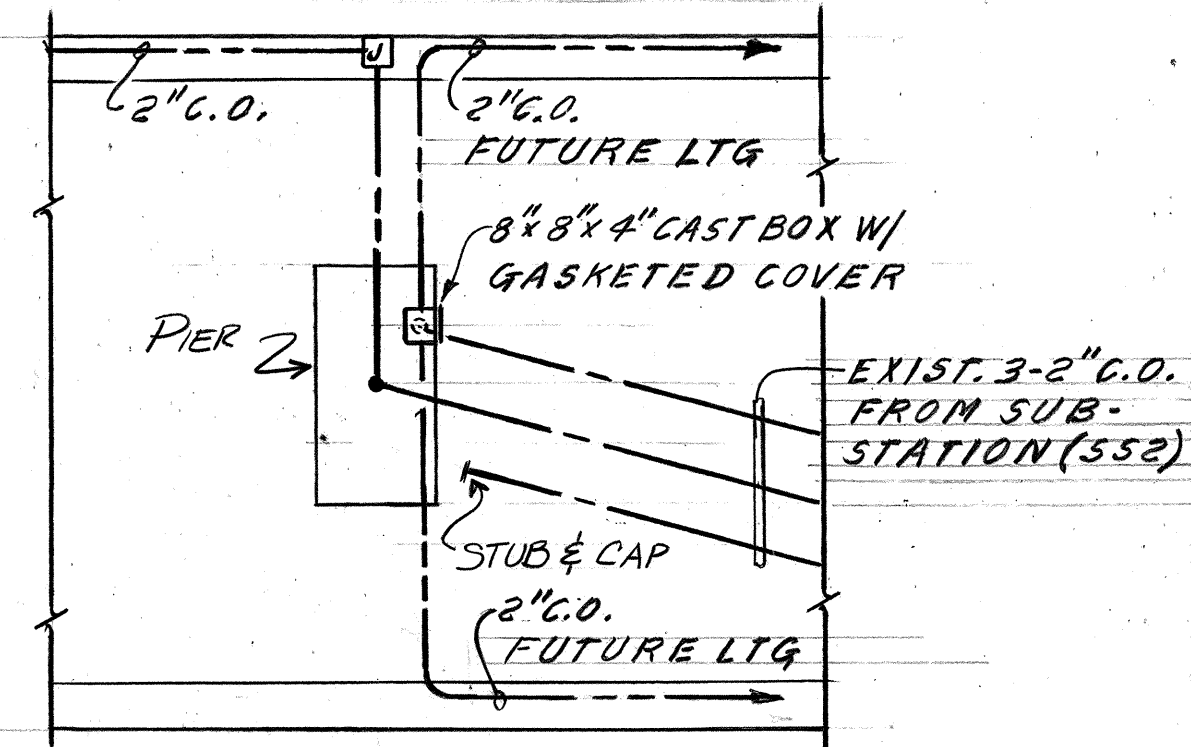
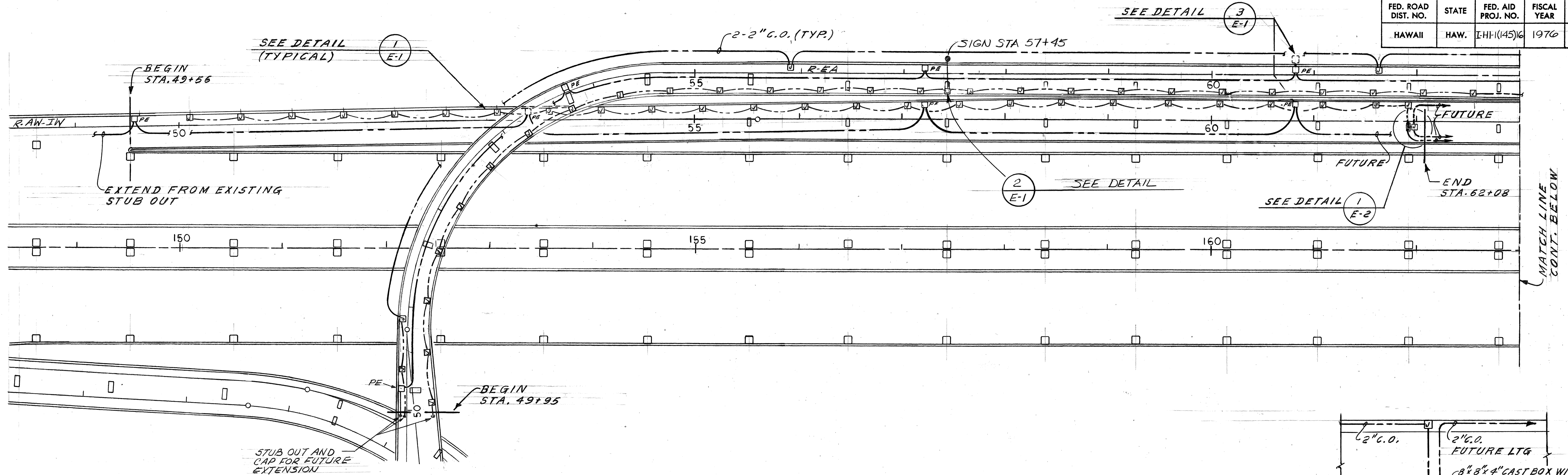
AIRPORT INTERCHANGE
FAI PROJ. NO. I-HI-1(145)16

SCALE: AS SHOWN DATE

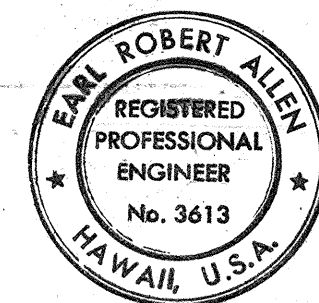
SHEET No. 1 OF 2 SHEETS

Ernest B. Allen
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(145)16	1970	4	136



3-16-77	Changed Sign Station to 57+45
DATE	REVISION



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY LIGHTING
RAMPS EA AND AW

AIRPORT INTERCHANGE
FA 1 PROJ NO I-H-1(145)16

SCALE: 1" = 50' DATE:
SHEET No. 2 OF 2 SHEETS

CO 4

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
NOTES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-HI-1(145)16	1976	4A	136

CONSTRUCTION NOTES

1. PRIOR TO EXCAVATING FOR THE EXISTING DUCT LINE, THE CONTRACTOR SHALL HAVE THE HAWAIIAN TELEPHONE COMPANY TONE THE EXISTING CABLE TO VERIFY ITS LOCATION.
2. CARE SHALL BE EXERCISED IN BREAKING THE EXISTING DUCT WITH THE CABLE.
3. THE EXISTING CABLE SHALL BE RELOCATED TO THE NEW LOCATION ENCASED IN A SPLIT 4-INCH DUCT ALONG SIDE A SPARE 4-INCH DUCT AS SHOWN BELOW.

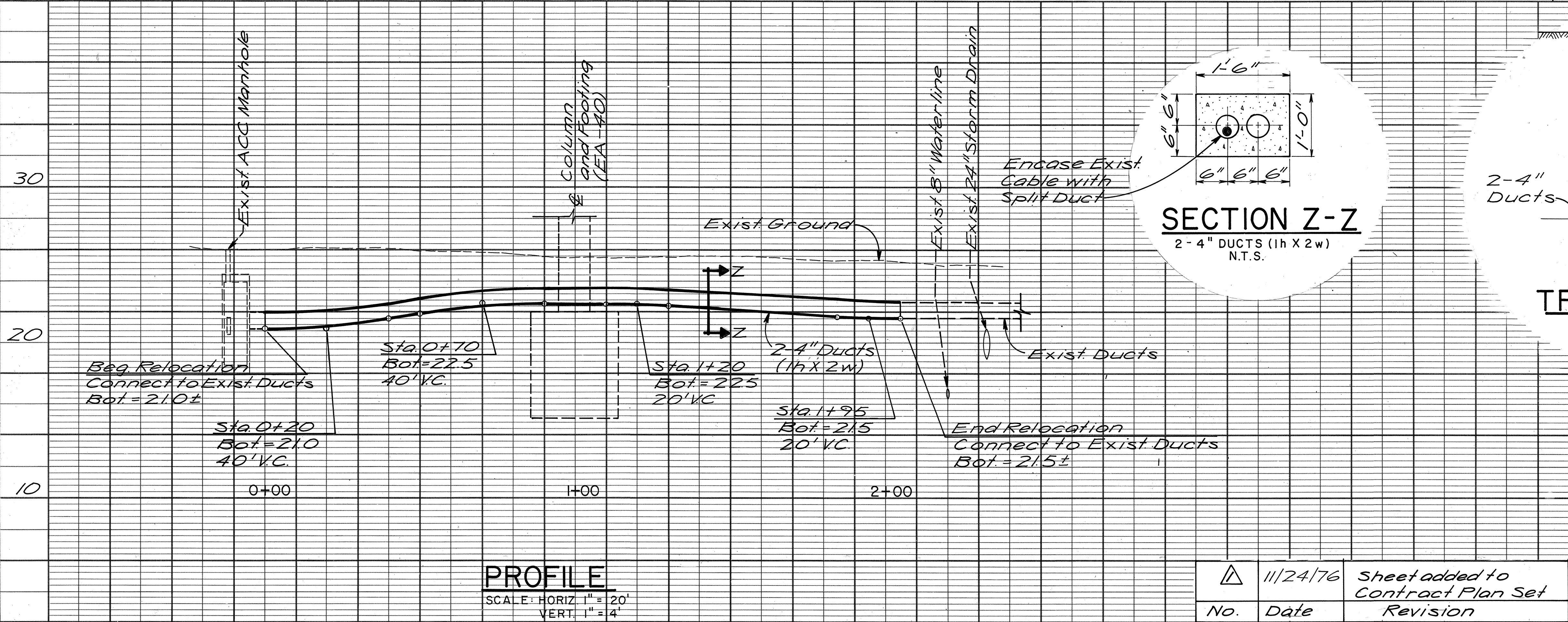
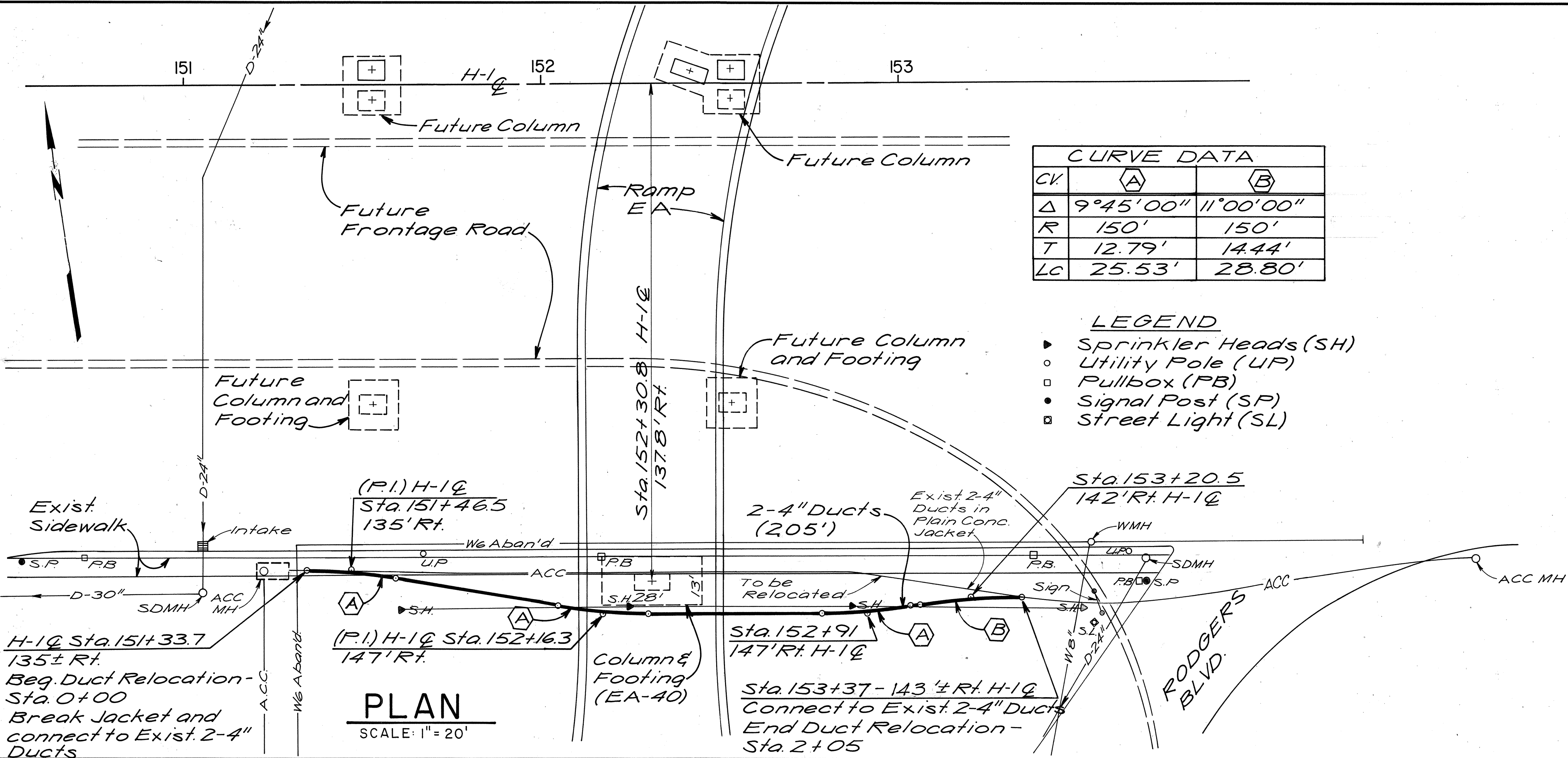
GENERAL NOTES

1. WHERE REQUIRED, RESTORATION OF EXISTING IMPROVEMENTS DEMOLISHED BY THE RELOCATION WORK SHALL BE INCIDENTAL TO THE VARIOUS CONTRACT ITEMS. RESTORATION SHALL BE TO ORIGINAL OR BETTER CONDITION.
2. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES, APPURTENANCES AND STRUCTURES AS SHOWN ON THE PLANS ARE BASED ON EXISTING RECORDS OF VARYING DEGREES OF ACCURACY AND COMPLETENESS VERIFIED WHENEVER POSSIBLE BY FIELD SURVEYS. THE CONTRACTOR SHALL VERIFY LOCATION AND INVERTS OF EXISTING LINES AND SHALL BE REQUIRED TO MAKE ADJUSTMENTS TO ANY NEW OR EXISTING SYSTEMS AS NECESSARY WITH THE APPROVAL OF THE ENGINEER OR WHENEVER DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL NOT ASSUME THAT WHERE NO EXISTING UTILITIES ARE SHOWN, THAT NONE EXIST.

CURVE DATA		
CV	(A)	(B)
Δ	9°45'00"	11°00'00"
R	150'	150'
T	12.79'	14.44'
Lc	25.53'	28.80'

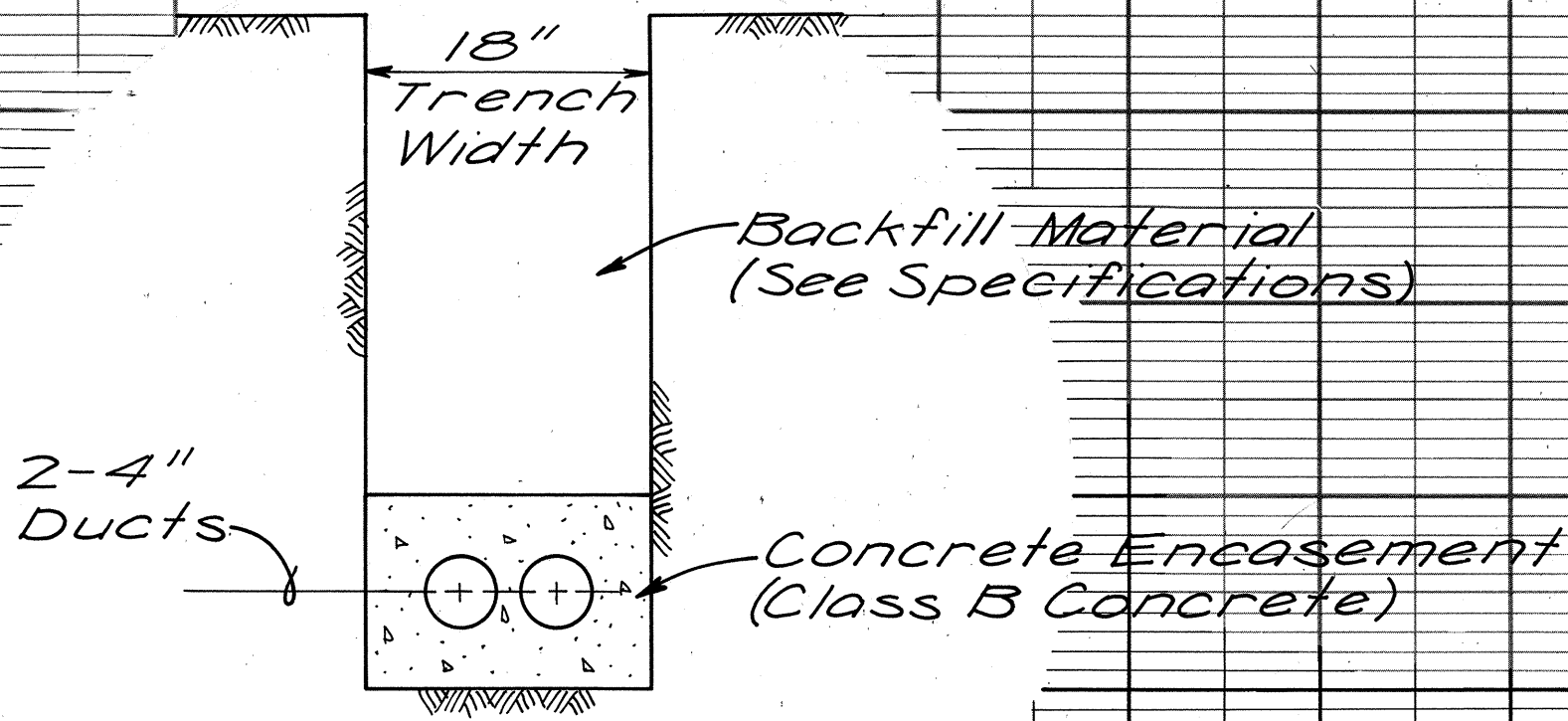
LEGEND

- Sprinkler Heads (SH)
- Utility Pole (UP)
- Pullbox (PB)
- Signal Post (SP)
- Street Light (SL)

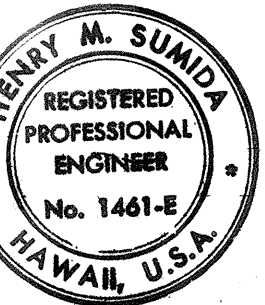


SECTION Z-Z

2-4" DUCTS (1h X 2w)
N.T.S.



TRENCH DETAIL



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
Henry M. Sumida

APPROVED:
B. Updegraff
HAWAIIAN TELEPHONE CO. 11-26-76
DATE

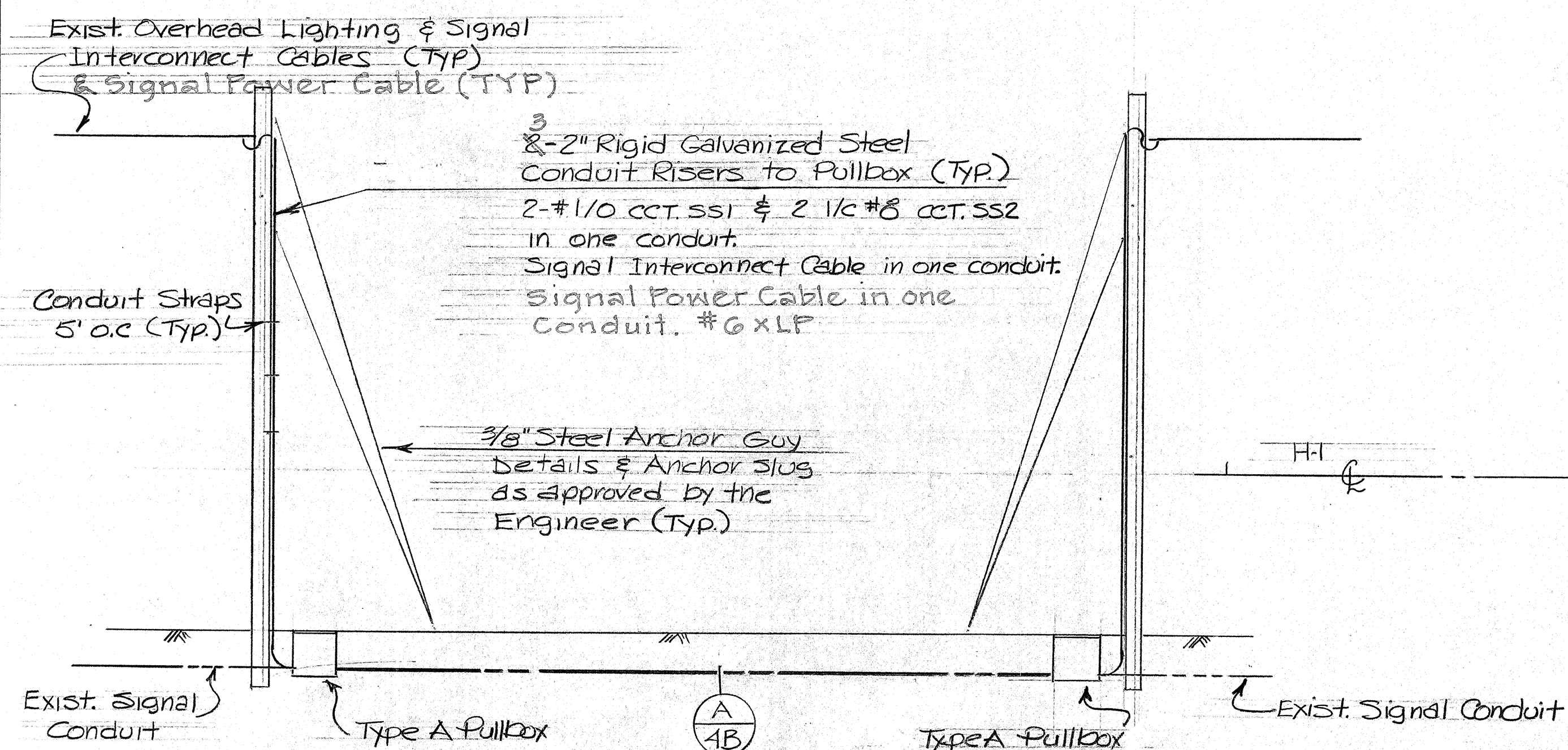
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**ARMY COMM. CABLE
RELOCATION**
AIRPORT INTERCHANGE
F.A.I. PROJ. NO. I-HI-1(145)16
SCALE: AS SHOWN DATE: NOV. 24, 1976
SHEET No. 1 OF 1 SHEETS

No.	Date	Revision
1	11/24/76	Sheet added to Contract Plan Set

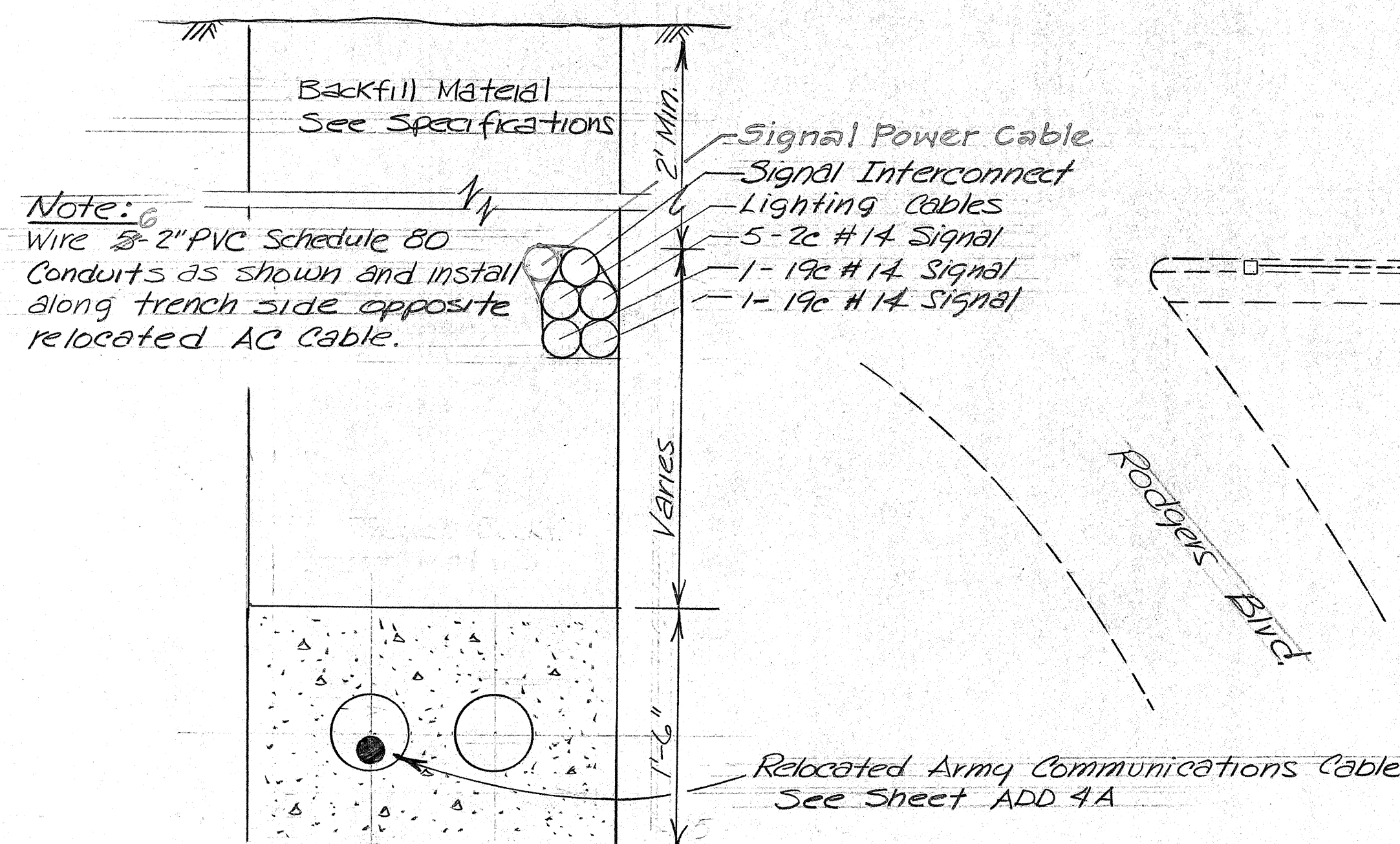
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(45)16	1976	4B	136

Legend

- Existing Pullbox
- New Pullbox
- Existing Light Pole
- Relocated Light Pole
- Existing Conduit
- New Conduit
- Army Communications Duct



ELEVATION
No Scale



TRENCH SECTION
4B

No Scale

Type A Pullbox @ 133' Rt
H-I Sta 151+80

Type A Pullbox @ 133' Rt
H-I Sta 153+37

Relocate 50' Detour Lighting Pole to 133' Rt. H-I Sta 153+40

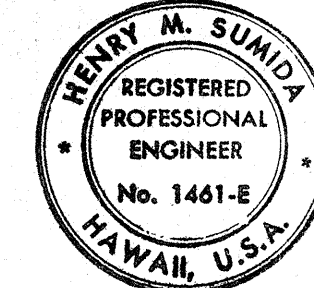
Army Communications Duct. See Sht 4A

Note: Use Common Trench with the relocated Army Communications Duct.

PLAN
Scale: 1"=20'

CONTRACT CHANGE ORDER NO. 4

Rodgers Blvd.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Henry M. Sumida

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LIGHTING & SIGNAL CABLE RELOCATION

AIRPORT INTERCHANGE
FAI PROJ. NO. I-HI-1(45)16
SCALE: AS SHOWN DATE: 3-16-77
SHEET NO. OF SHEETS

4-5-77	Changed Detail A-4B
3-16-77	Added Sheet
DATE	REVISION

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