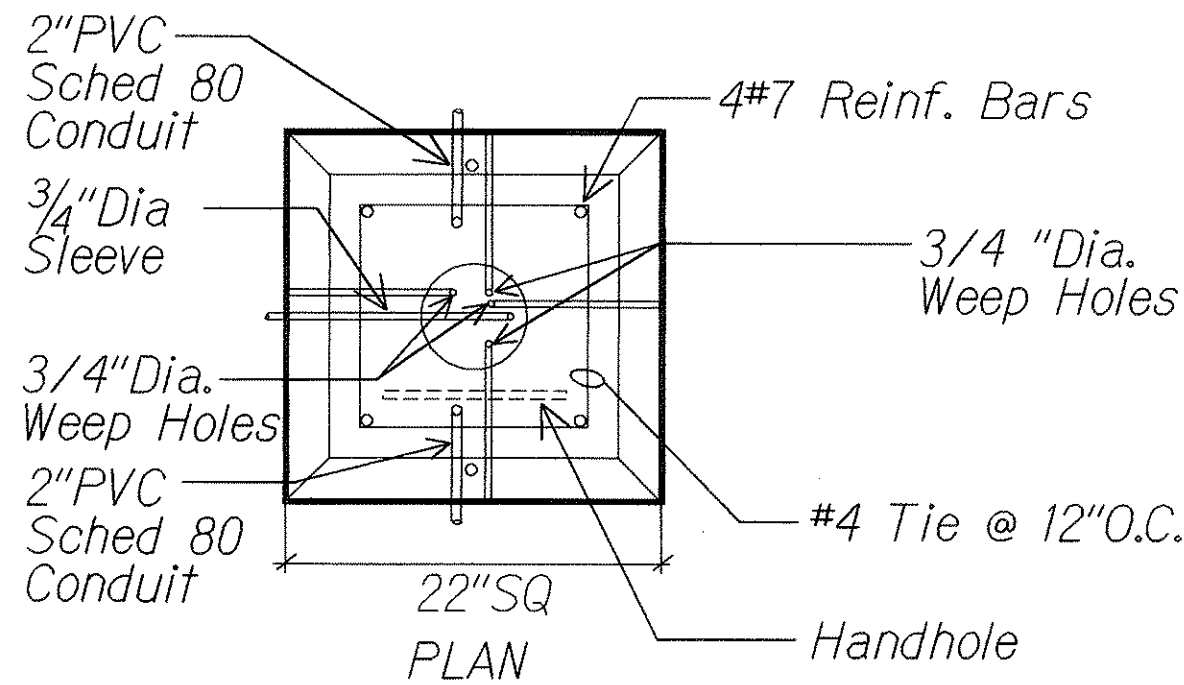
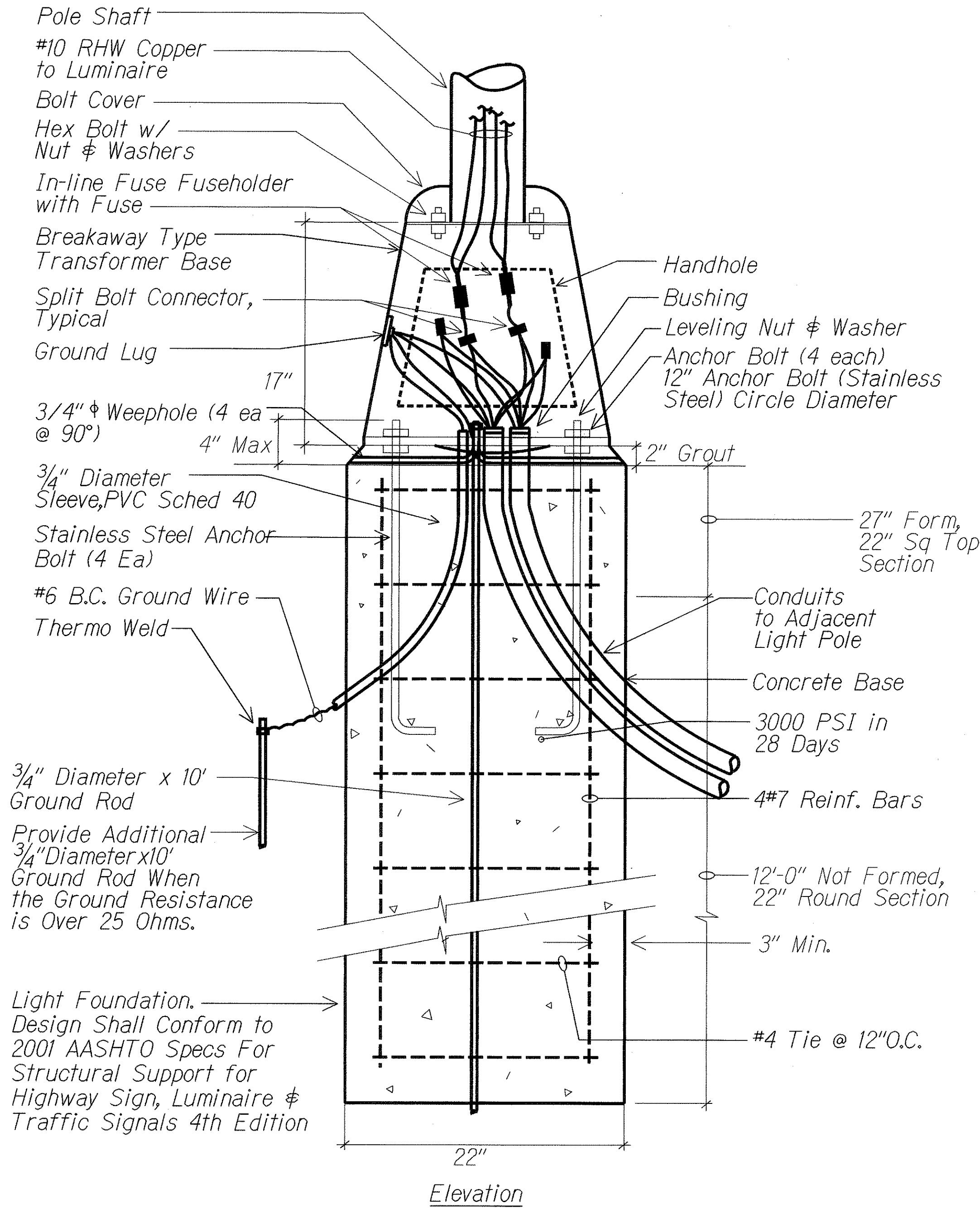
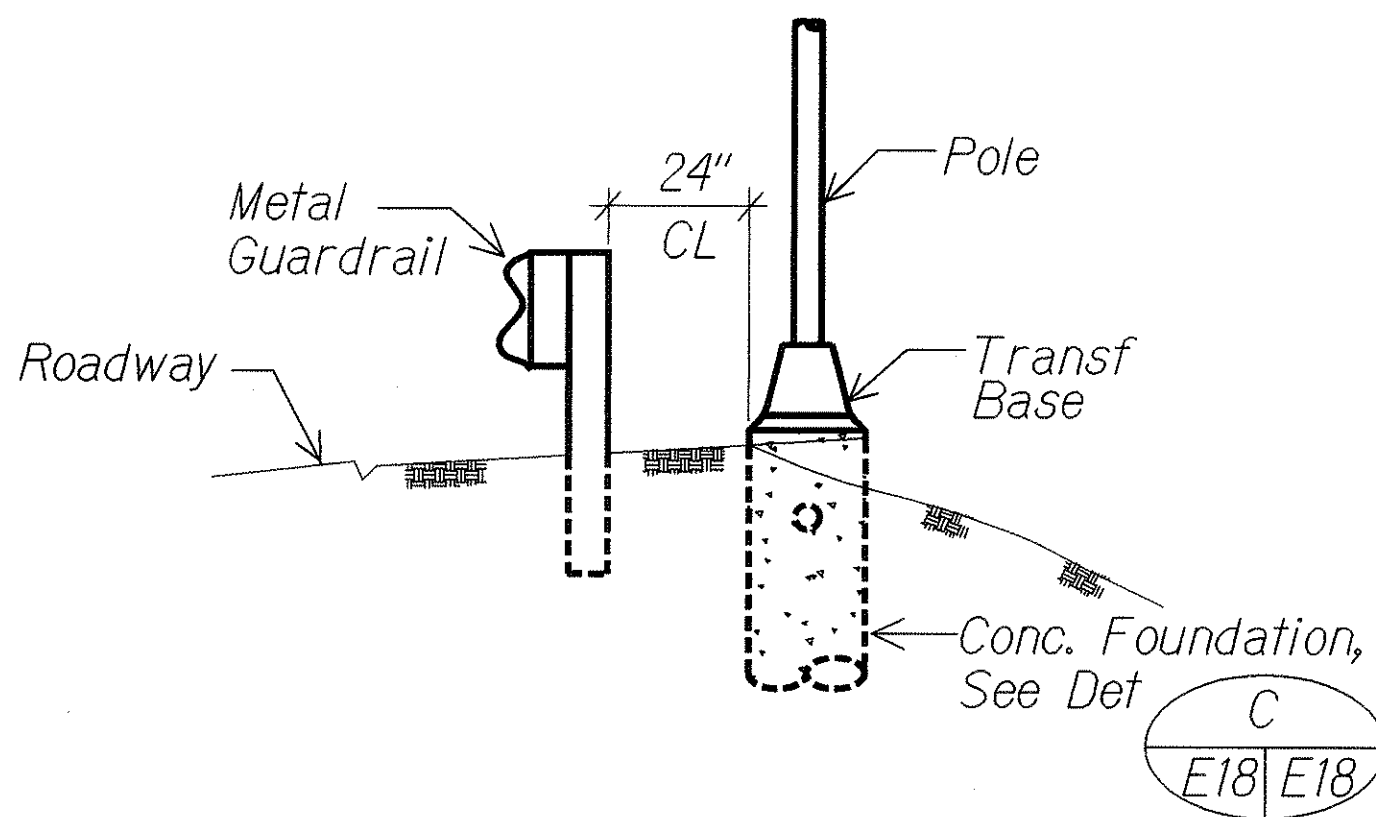


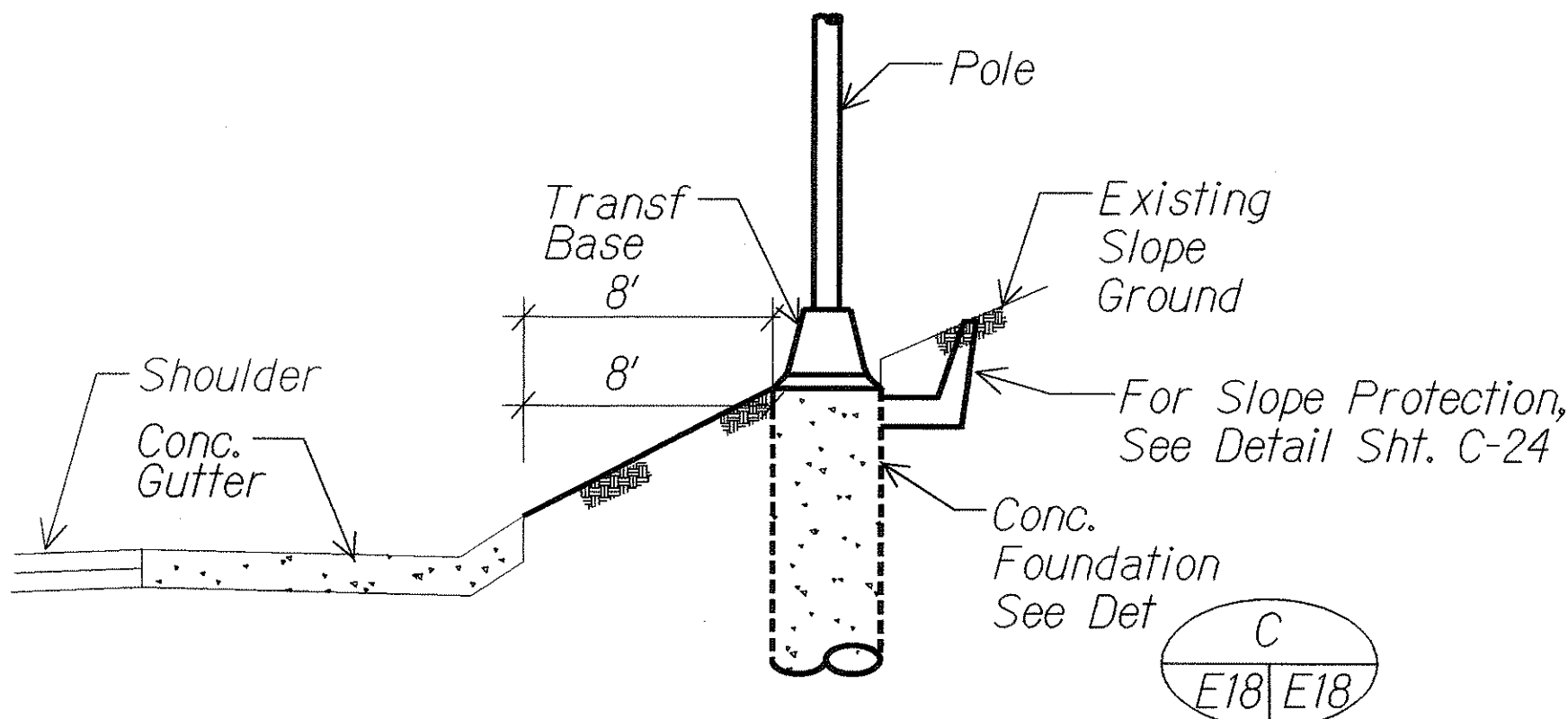
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(245)	2005	145	183



C **TYPICAL TRANSFORMER BASE DETAIL**
E18 E18 NTS 03102-d3

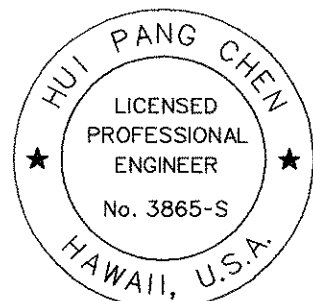


A **POLE LOCATION BEHIND METAL GUARDRAIL**
E1 E18 NTS 03102-d3



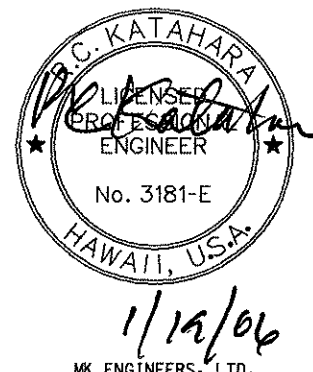
B **POLE LOCATION BEHIND CONC. GUTTER**
E1 E18 NTS 03102-d3

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

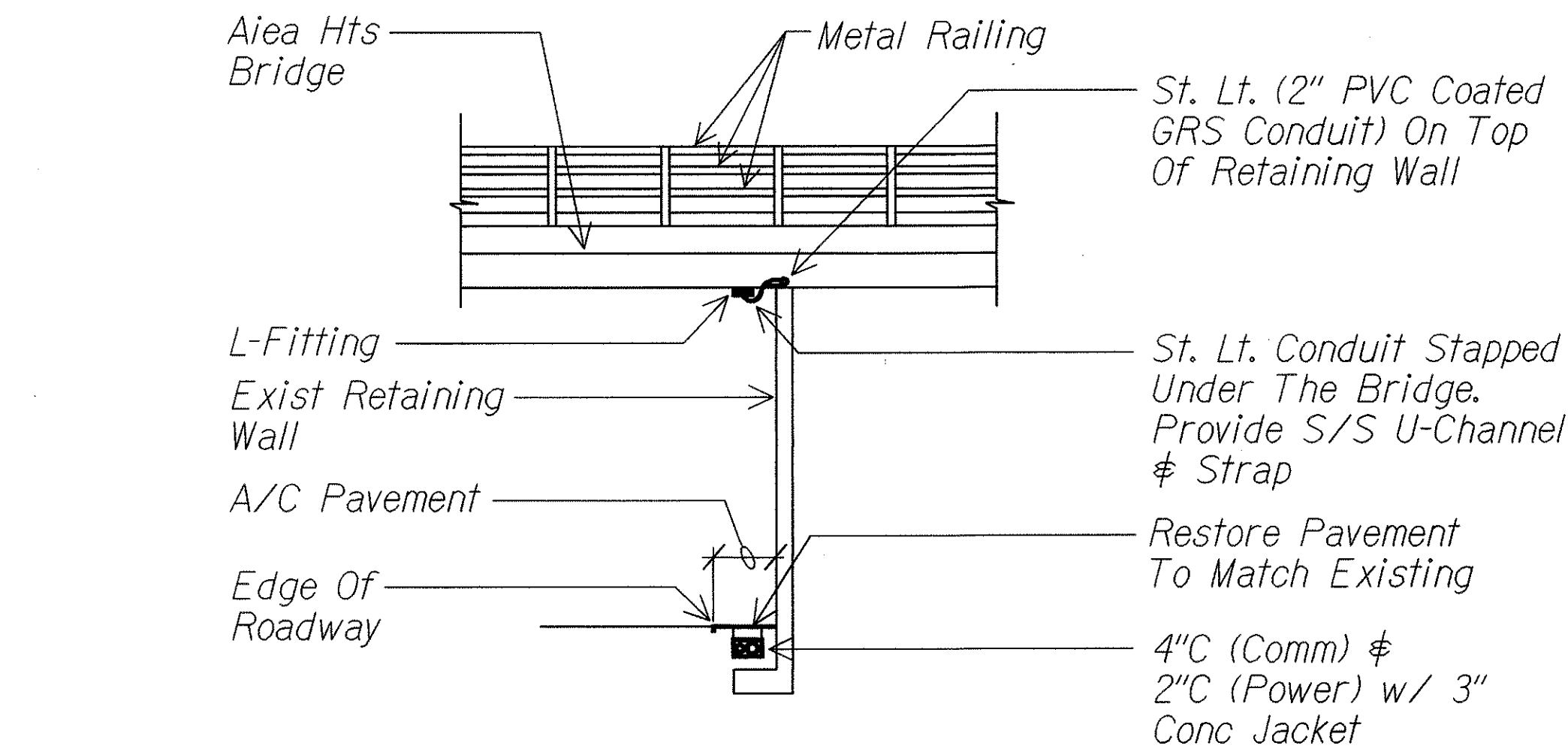
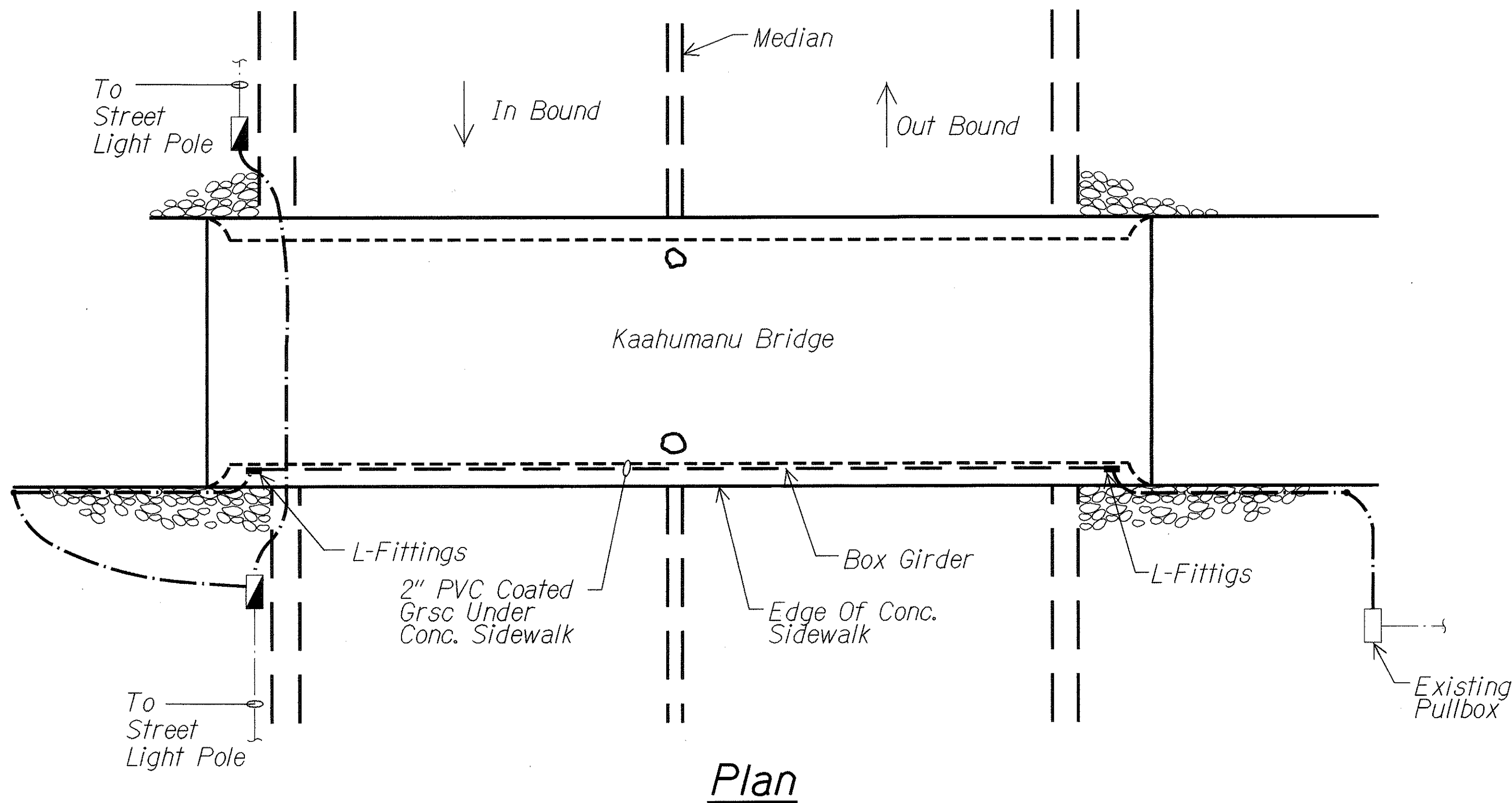
Hui Pang Chen



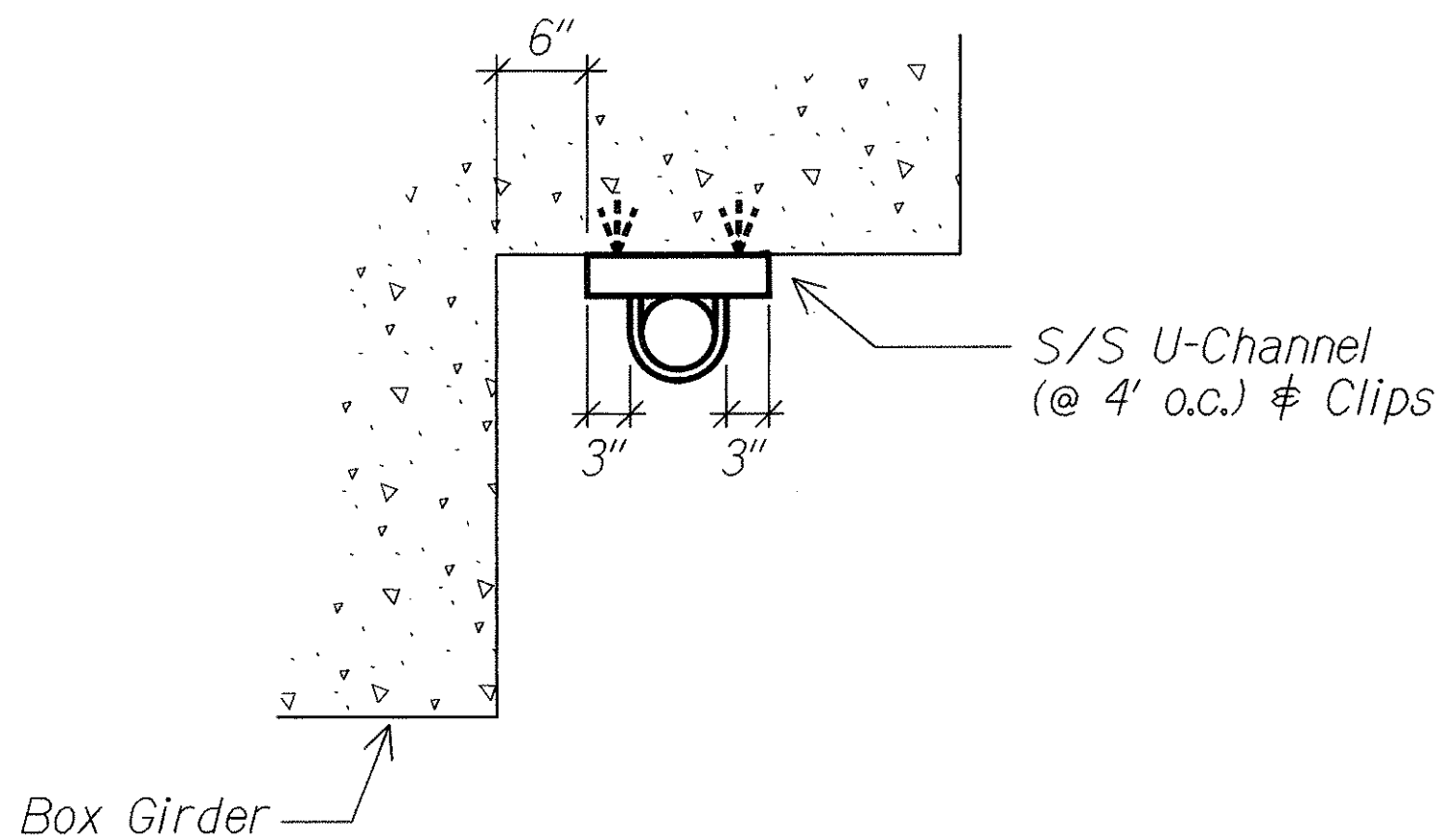
1/15/06
HUI PANG CHEN, LTD.
LICENSE EXPIRATION DATE: 4/30/08
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY LIGHT
MISCELLANEOUS DETAILS
INTERSTATE ROUTE H-1 REHABILITATION
EASTBOUND LANES
WAI'AU INTERCHANGE TO KAI'MAKANI STREET
Scale: Date: Jan. 24, 2006
SHEET No. E-18 OF 21 SHEETS

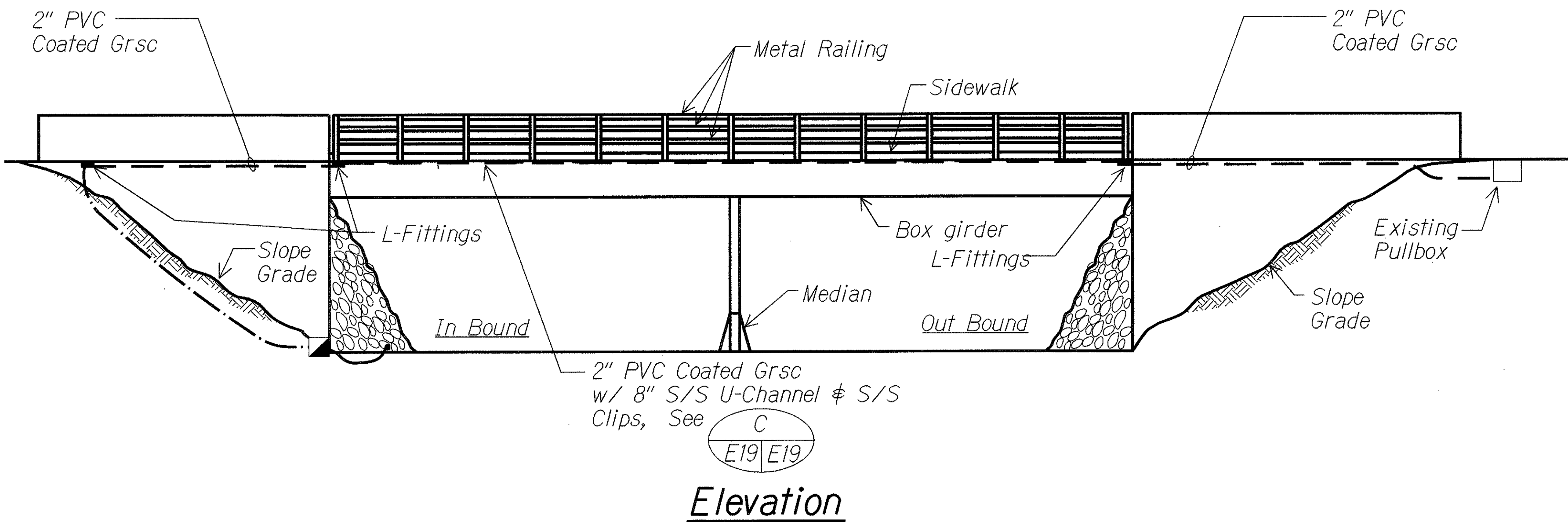
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(245)	2005	146	183



B CONDUIT INSTALLATION UNDER THE BRIDGE
E12 E19 NTS 03102-d4



C CONDUIT INSTALLATION AT EXISTING GIRDER
E19 E19 NTS 03102-d4



A CONDUIT INSTALLATION AT BRIDGE STRUCTURE
E4 E19 NTS 03102-d4

SURVEY PLOTTED BY	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
CHECKED BY	

1/19/06
ME ENGINEERS, LTD.
LICENSE EXPIRATION DATE: 4/30/06
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY LIGHT
MISCELLANEOUS DETAILS
INTERSTATE ROUTE H-1 REHABILITATION
EASTBOUND LANES
WAI'AU INTERCHANGE TO KAIMAKANI STREET
Scale: Not to Scale Date: Jan. 24, 2006
SHEET No. E-19 OF 21 SHEETS