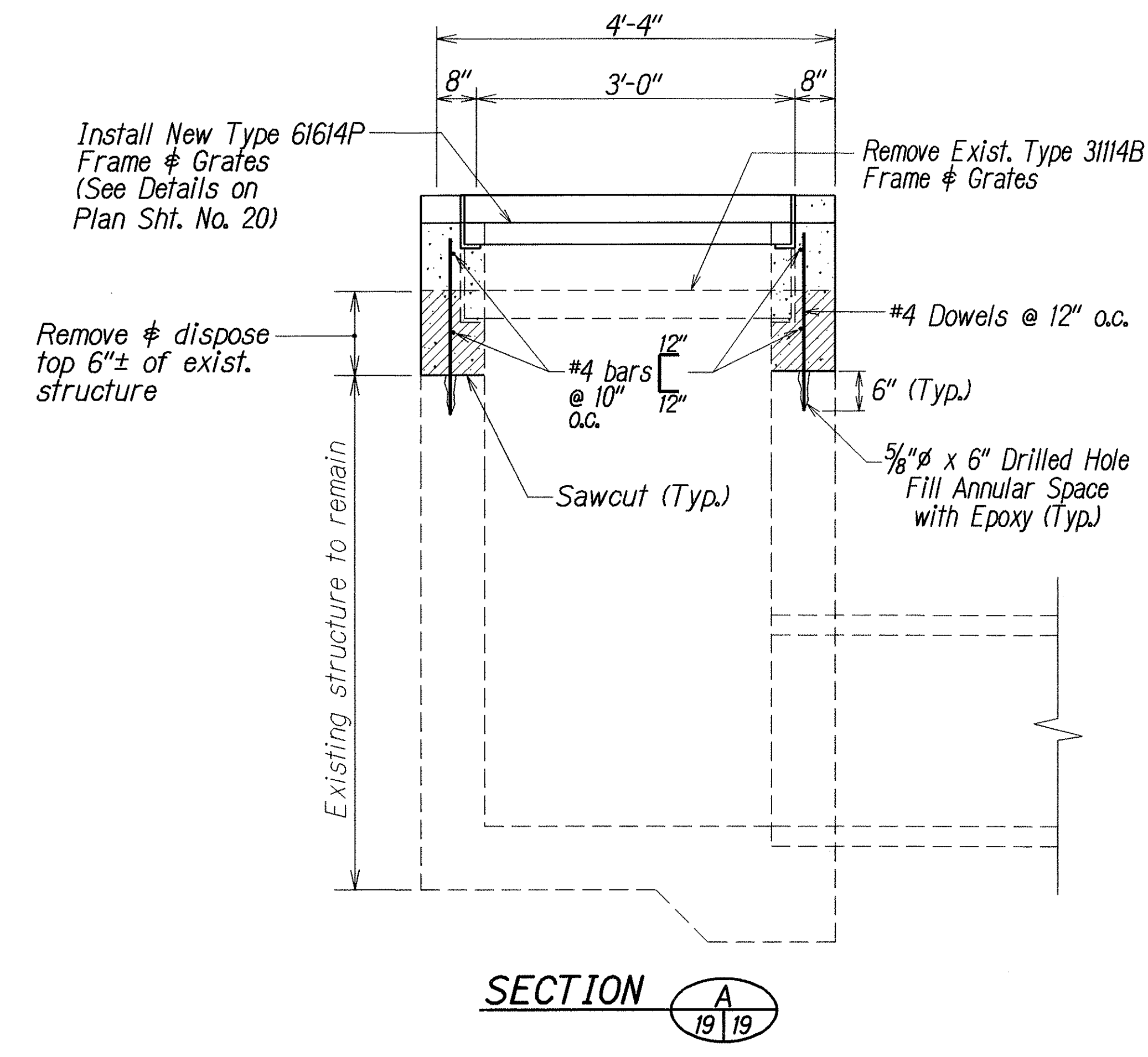
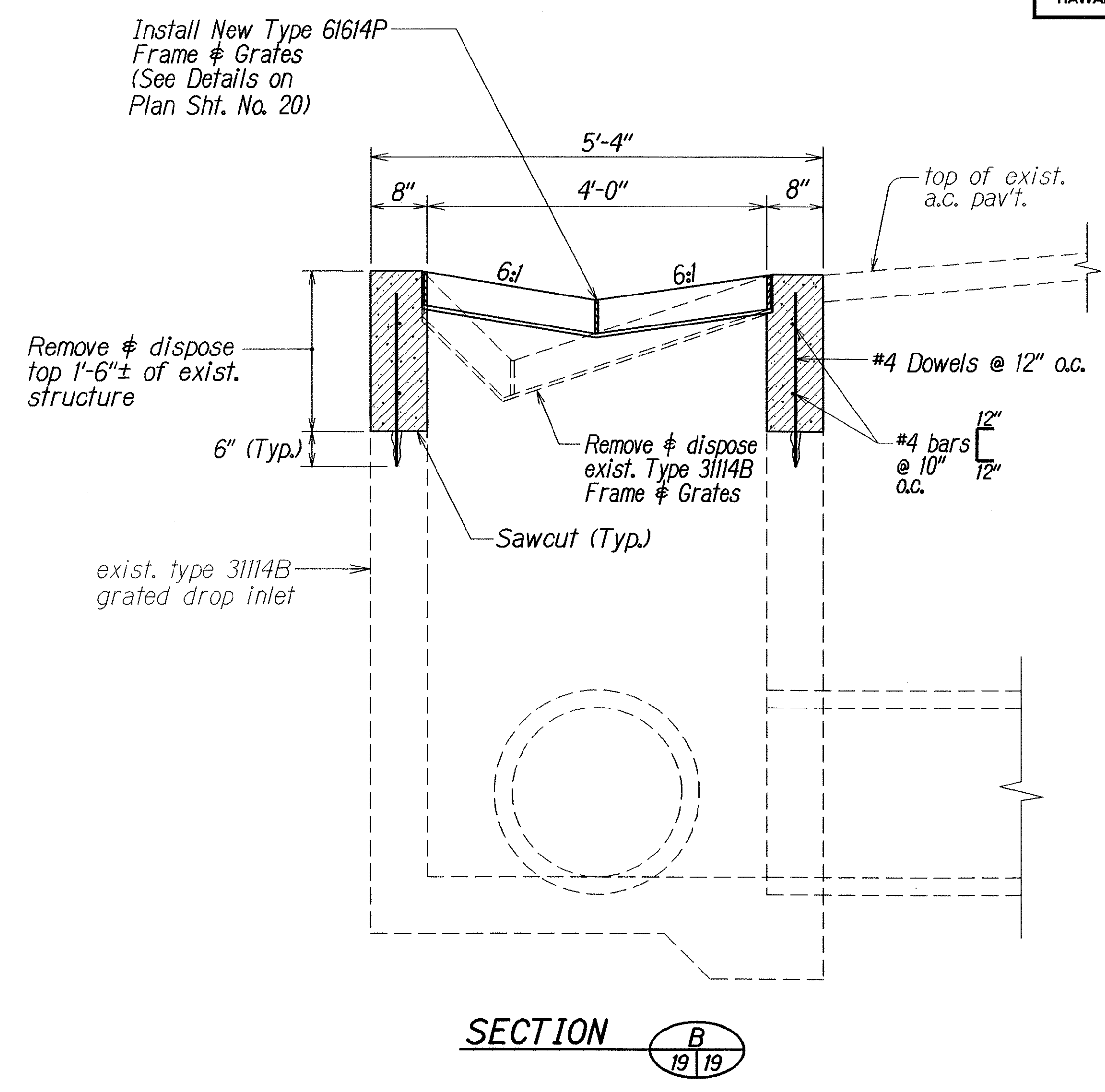
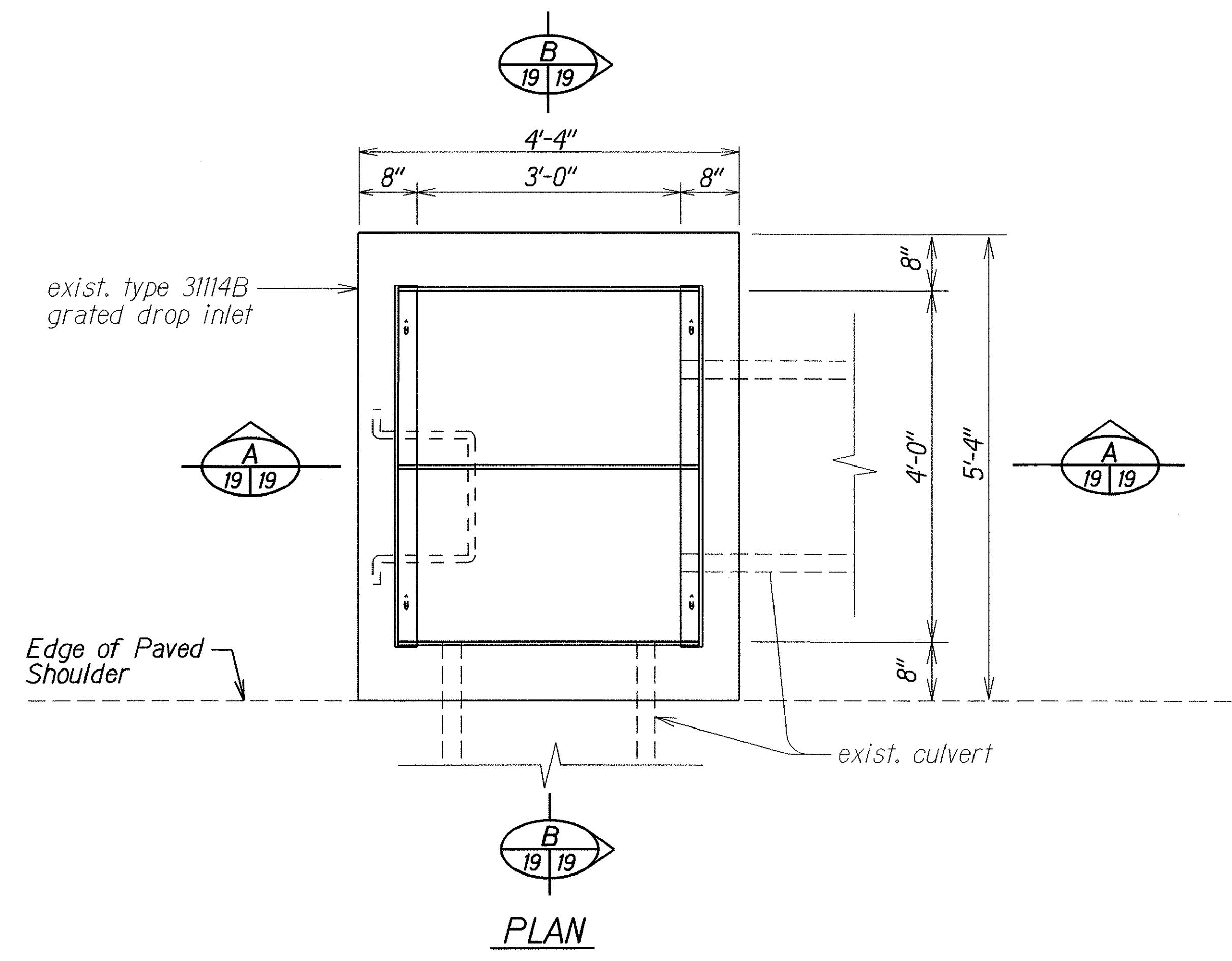


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(58)	2006	19	32



NOTE:
Existing ground/swale shall be graded to drain.
This work shall be considered incidental to contract
Item No. 604.5420 - Reconstructed Type 1 Drain Inlet,
1.00 Ft. to 1.99 Ft.

DETAIL OF RECONSTRUCTED TYPE 1 DRAIN INLET Not to Scale

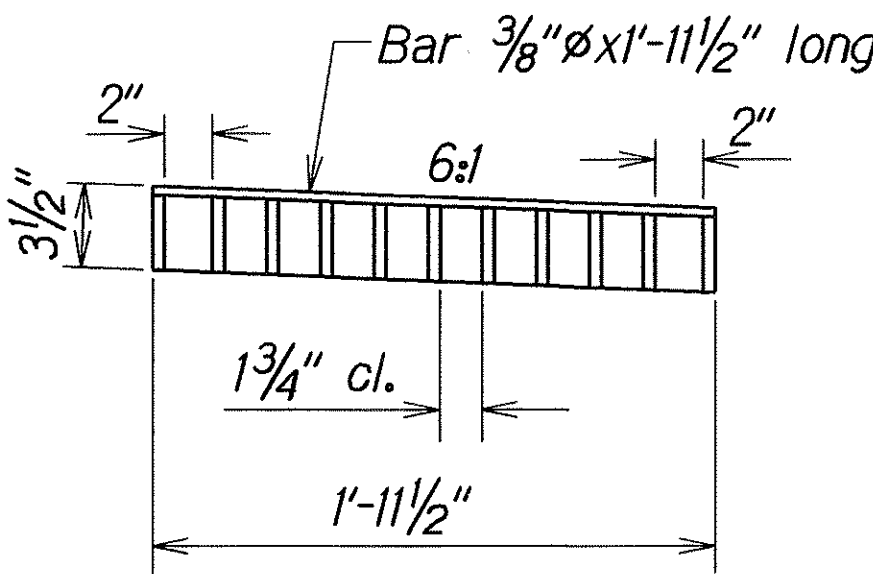
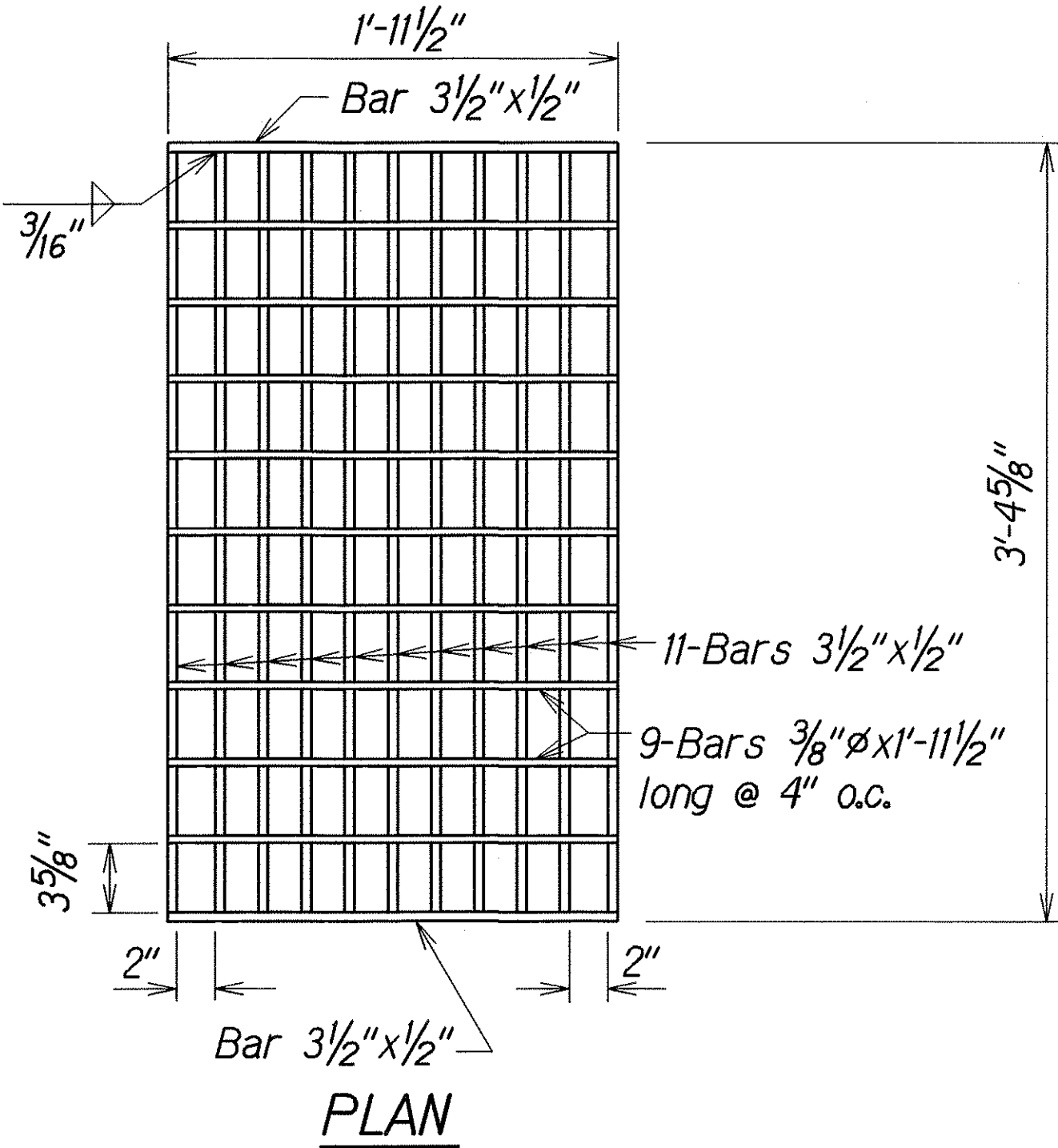
ORIGINAL PLAN	DATE
DESIGNED BY	10/05
TRACED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS
KUHIO HIGHWAY, KUAMOO ROAD & KOKEE ROAD
Guardrail and Shoulder Improvements
at Various Locations
Federal-Aid Project No. STP-0700(58)
Not to Scale
Date: July 2006

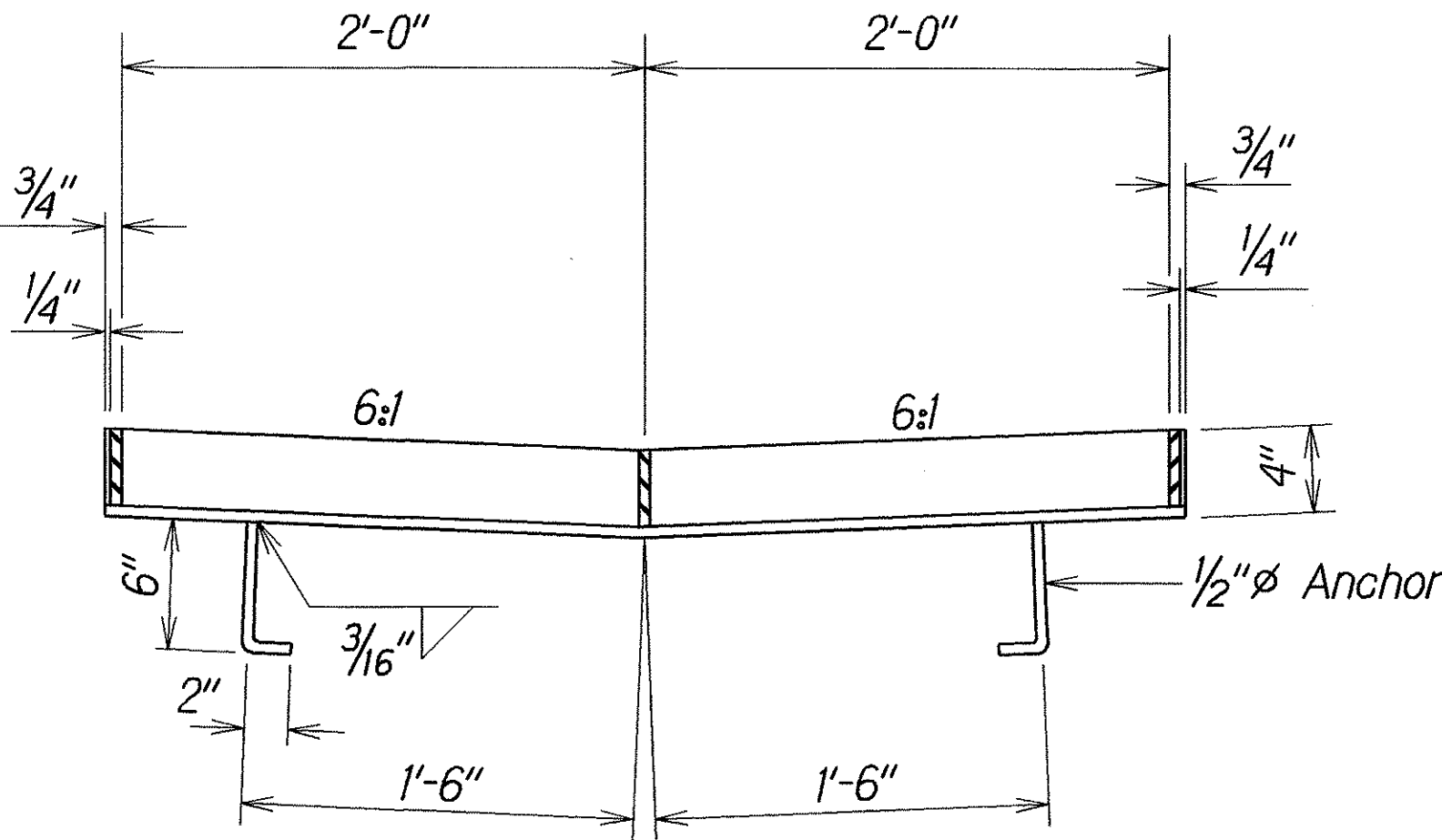
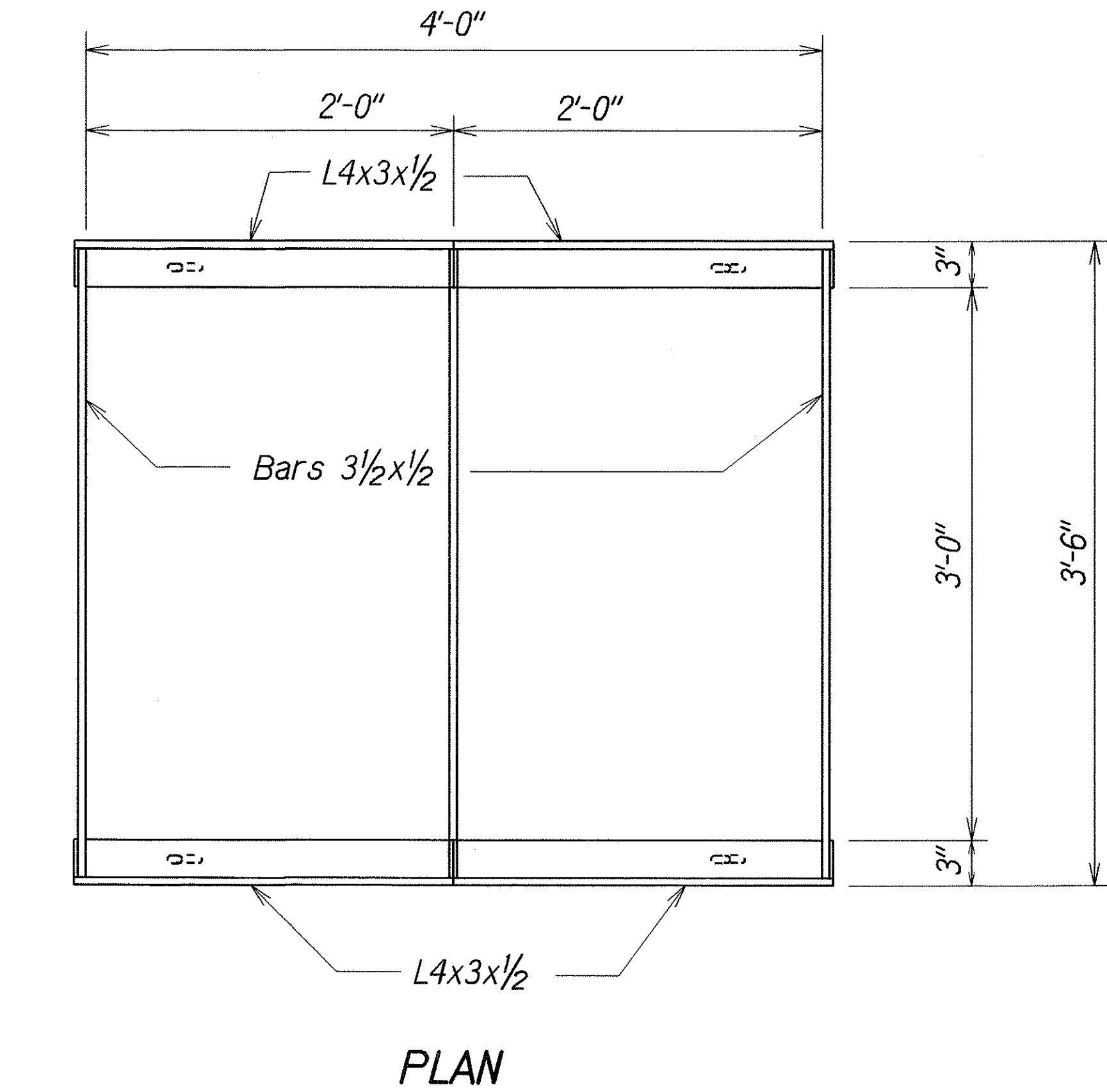
SHEET No. 1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(58)	2006	20	32



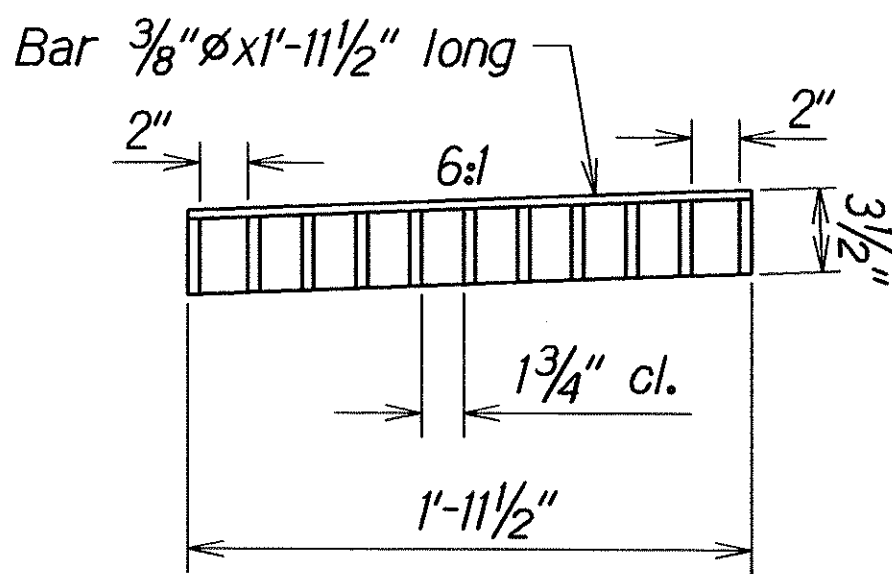
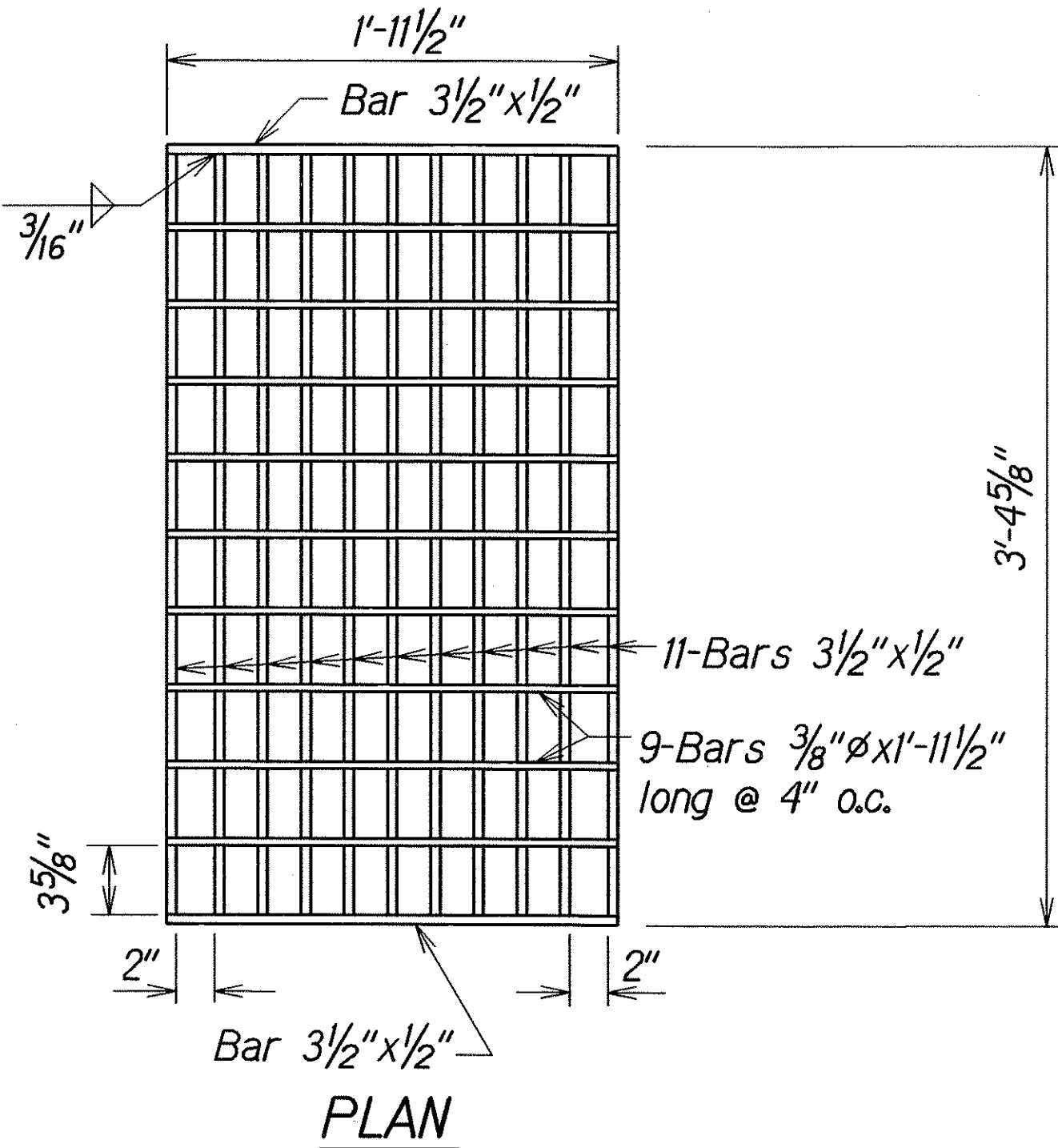
GRATE

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



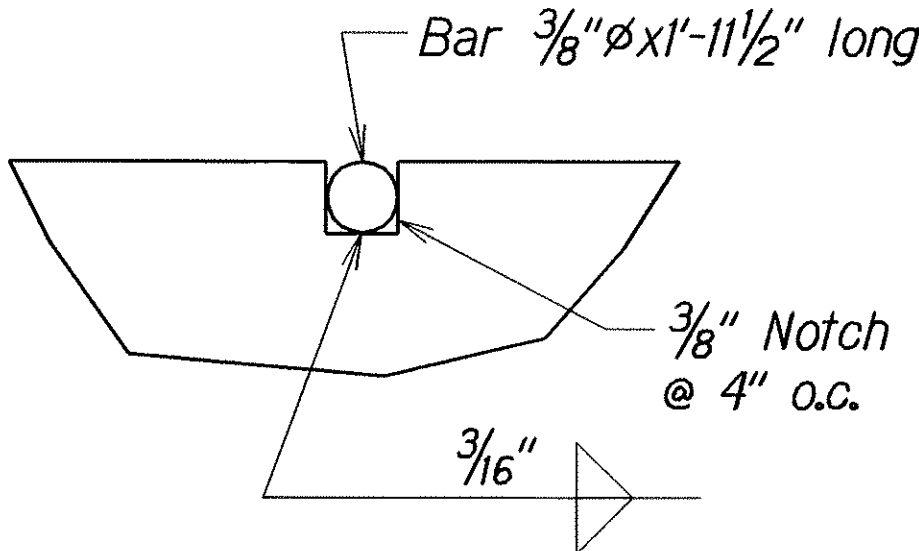
FRAME

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



GRATE

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



Full Size

NOTE:
All welds 3/8" unless otherwise noted.

TYPICAL DETAILS OF TYPE 61614P STEEL FRAME AND GRATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS
KUHIO HIGHWAY, KUAMOO ROAD & KOKEE ROAD
Guardrail and Shoulder Improvements
at Various Locations
Federal-Aid Project No. STP-0700(58)
Scale: As Shown Date: July 2006