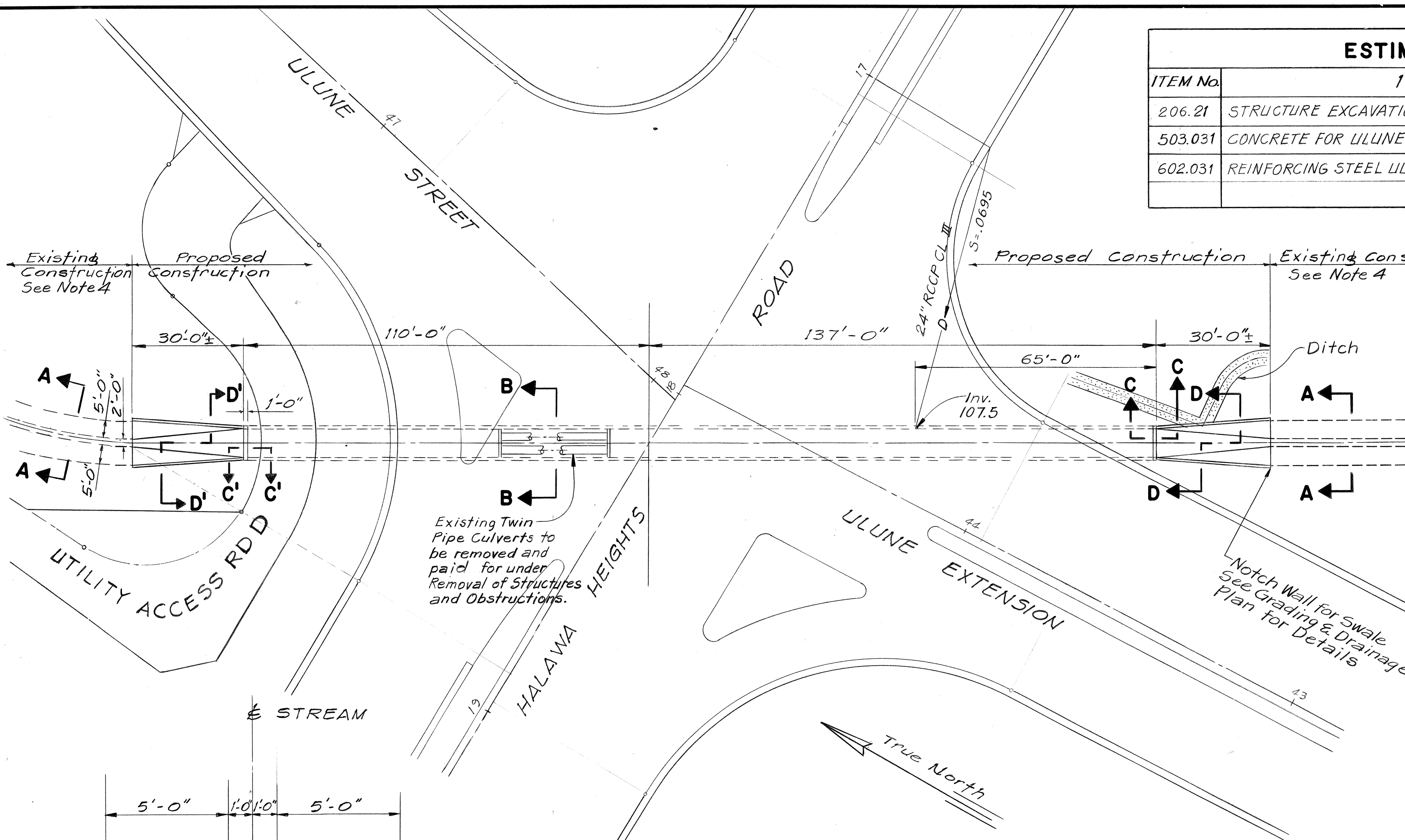


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(87):13	1970	161	244

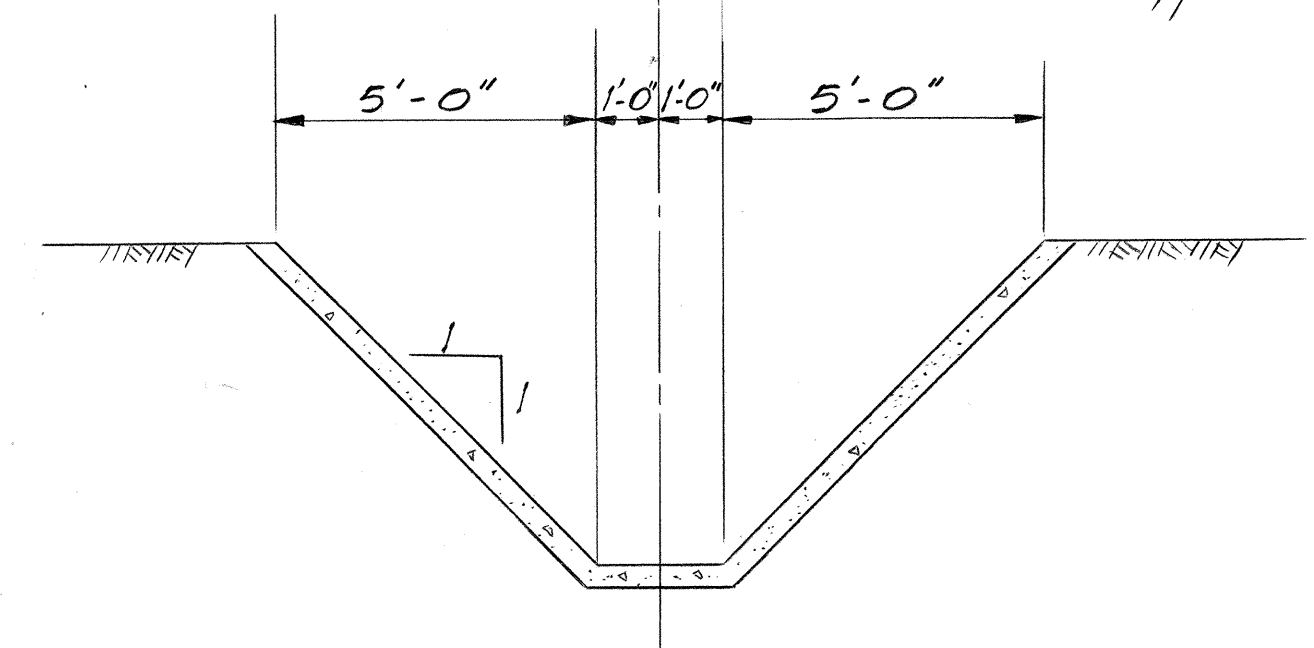
ESTIMATED QUANTITIES			
ITEM No.	ITEM	UNIT	QUANTITY
206.21	STRUCTURE EXCAVATION FOR ULUNE ST. BOX CULVERT	C.Y.	370
503.031	CONCRETE FOR ULUNE STREET BOX CULVERT	L.S.	246 C.Y.
602.031	REINFORCING STEEL ULUNE STREET BOX CULVERT	L.S.	32,200 Lb.



PLAN

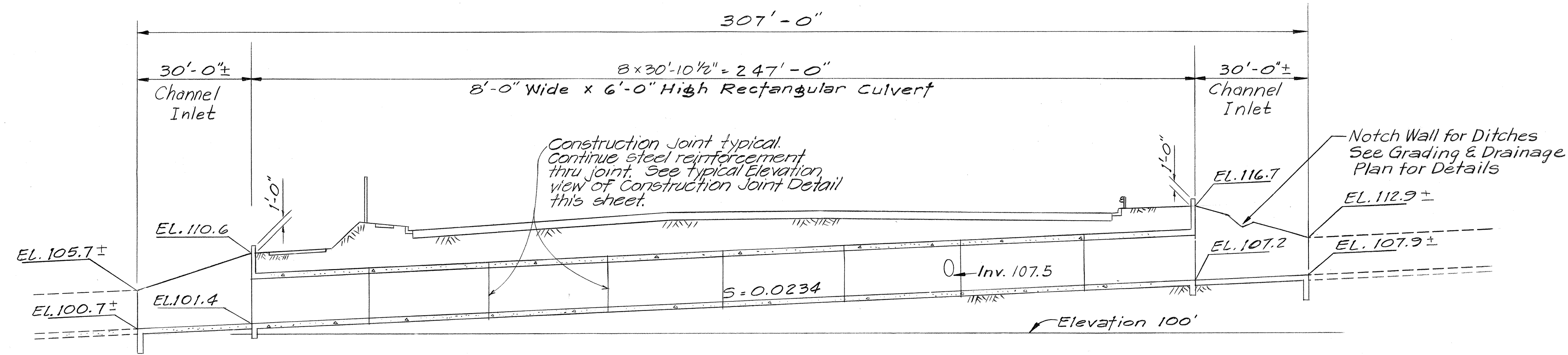
8'x6' CONCRETE CULVERT AT ULUNE ST. & HALAWA HEIGHTS RD.

SCALE: 1"=20'



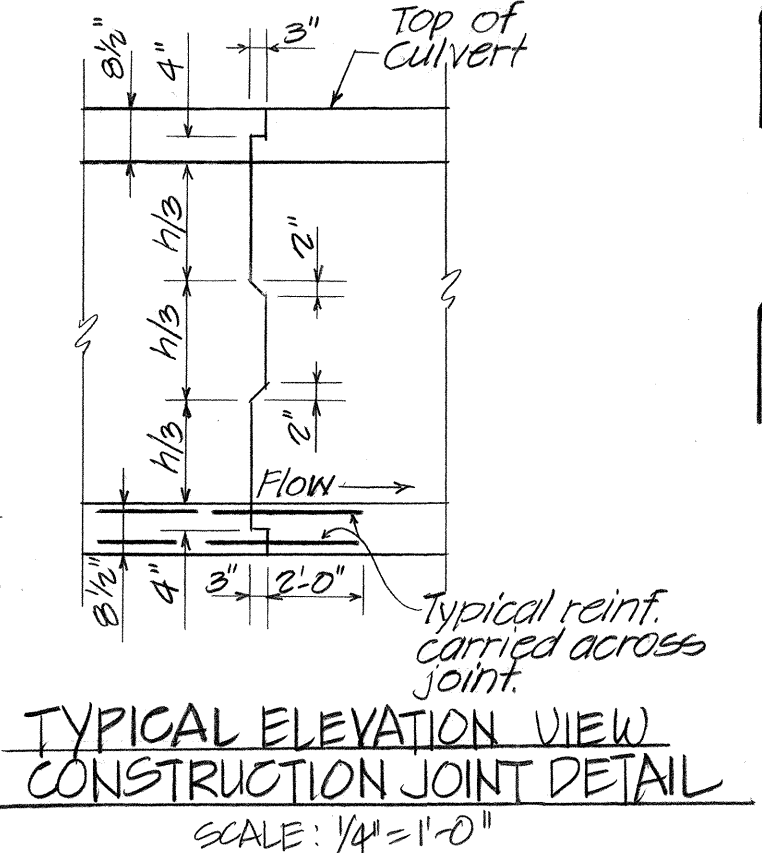
SECTION A-A

EXISTING CHANNEL



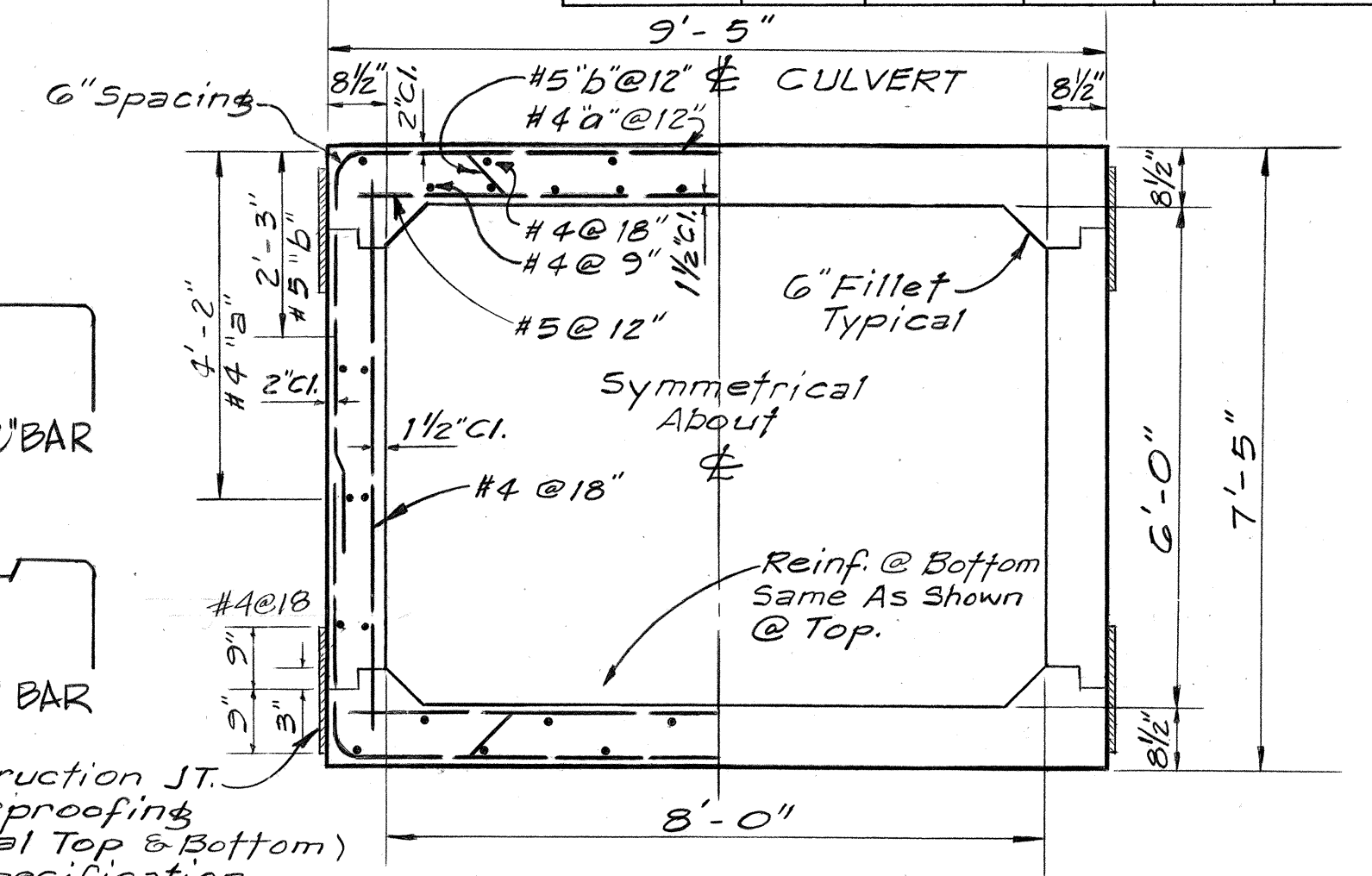
ELEVATION

SCALE: Horiz. 1"=20'
Vert. 1"=10'



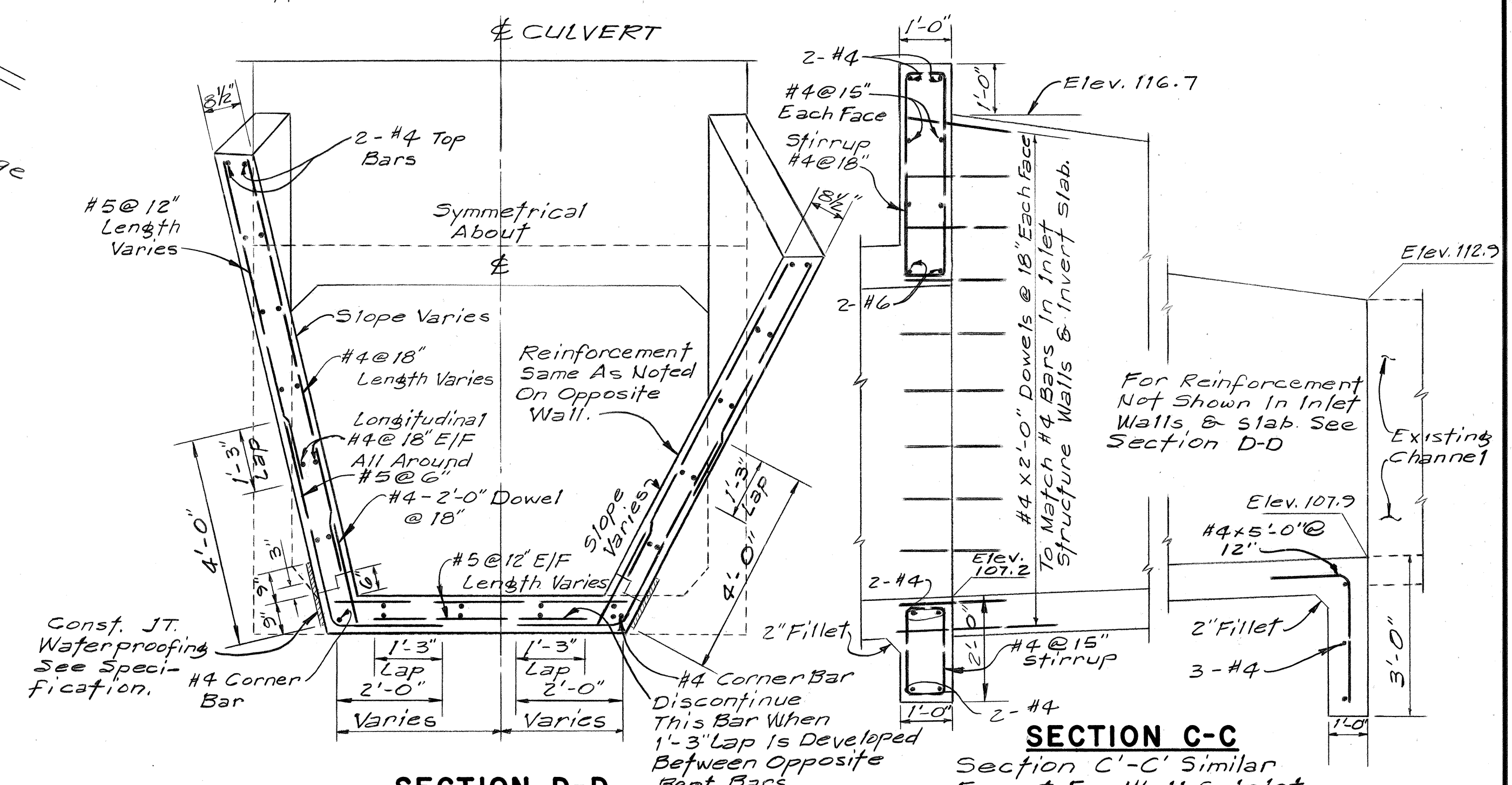
TYPE 'W' BAR
TYPE 'D' BAR

Construction JT. Waterproofing (Typical Top & Bottom) See Specification.



SECTION B-B

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



SECTION D-D

Section D-D Similar Except For Wall & Inlet Elevations.
SCALE: 1/2"=1'-0"

SECTION C-C

Section C-C Similar Except For Wall & Inlet Elevations.
SCALE: 1/2"=1'-0"

General Notes:

- The Lateral Limits For Payment of Structural Excavation For Box Culvert Shall Be The Vertical Surface One Foot Outside The Exterior Face of Walls.
- The Lateral Limits For Payment of Structural Excavation For Channel Inlet Shall Be The Sloped Surface At The Exterior Face of Wall.
- All Concrete will be Class A Concrete.
- Proposed alignment to conform to meet existing.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Martin Rubin



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ULUNE STREET BOX CULVERT

HALAWA INTERCHANGE
PROJECT NO. I-H-1(87):13

SCALE: AS SHOWN DATE: 6/8/70
SHEET No. 1 OF 1 SHEETS