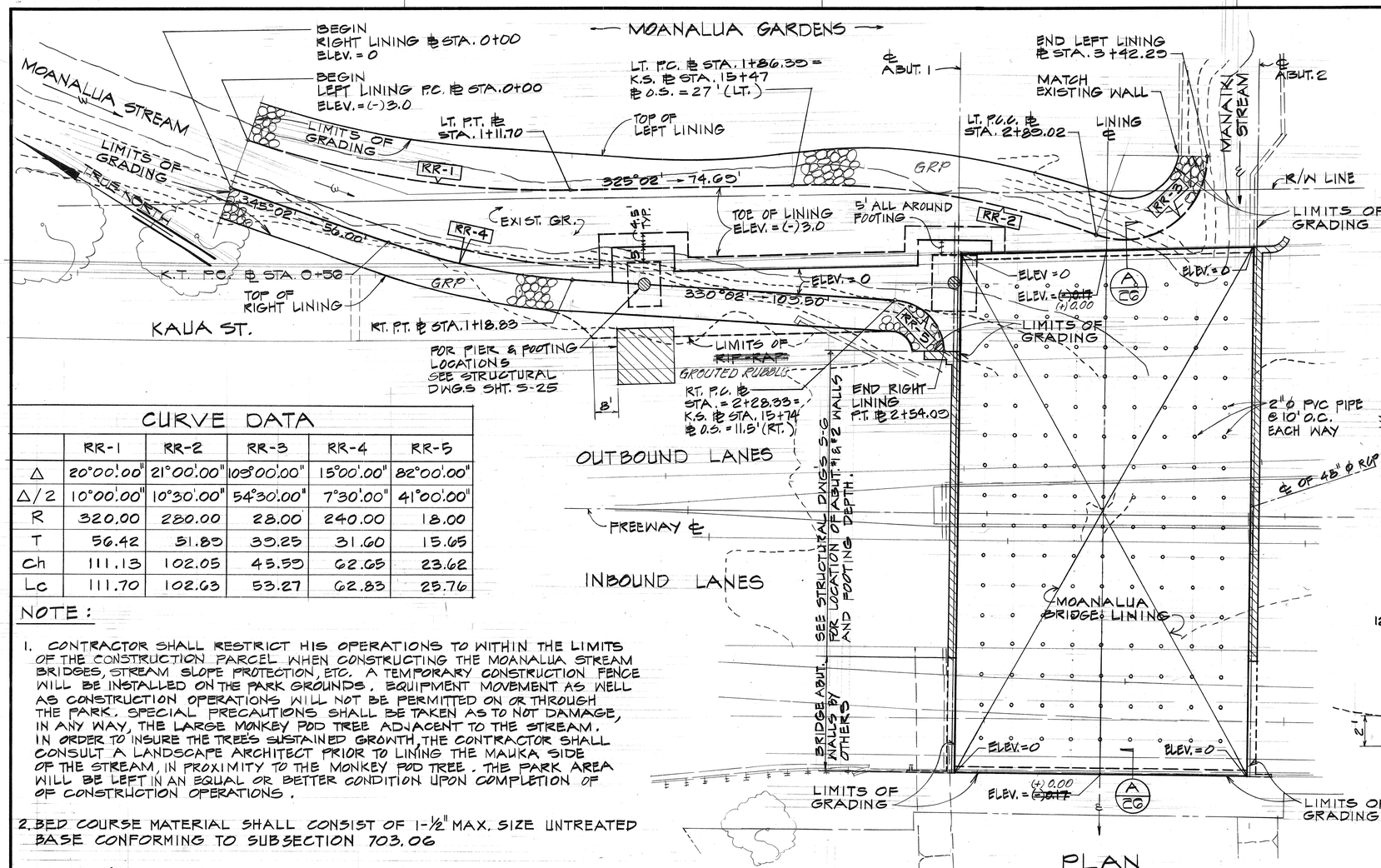
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	TQ-F-078-1(18)	1978	26	266



PLAN

SCALE : 1" = 20'

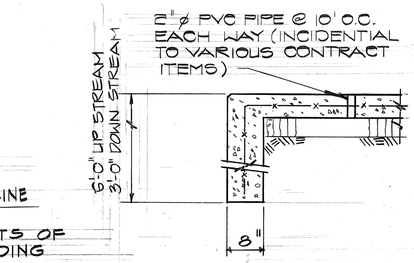
CURVE DATA

	RR-1	RR-2	RR-3	RR-4	RR-5
Δ	20°00'.00"	21°00'.00"	105°00'.00"	15°00'.00"	82°00'.00"
Δ/2	10°00'.00"	10°30'.00"	54°30'.00"	7°30'.00"	41°00'.00"
R	320.00	280.00	28.00	240.00	18.00
T	56.42	51.89	33.25	31.60	15.65
Ch	111.13	102.05	45.59	62.65	23.62
Lc	111.70	102.63	53.27	62.83	25.76

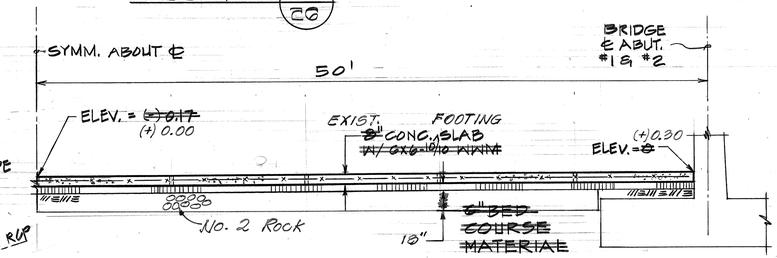
NOTE :

1. CONTRACTOR SHALL RESTRICT HIS OPERATIONS TO WITHIN THE LIMITS OF THE CONSTRUCTION PARCEL WHEN CONSTRUCTING THE MOANALUA STREAM BRIDGES, STREAM SLOPE PROTECTION, ETC. A TEMPORARY CONSTRUCTION FENCE WILL BE INSTALLED ON THE PARK GROUNDS. EQUIPMENT MOVEMENT AS WELL AS CONSTRUCTION OPERATIONS WILL NOT BE PERMITTED ON OR THROUGH THE PARK. SPECIAL PRECAUTIONS SHALL BE TAKEN AS TO NOT DAMAGE, IN ANY WAY, THE LARGE MONKEY POD TREE ADJACENT TO THE STREAM. IN ORDER TO INSURE THE TREE'S SUSTAINED GROWTH, THE CONTRACTOR SHALL CONSULT A LANDSCAPE ARCHITECT PRIOR TO LINING THE MAUKA SIDE OF THE STREAM, IN PROXIMITY TO THE MONKEY POD TREE. THE PARK AREA WILL BE LEFT IN AN EQUAL OR BETTER CONDITION UPON COMPLETION OF OF CONSTRUCTION OPERATIONS.

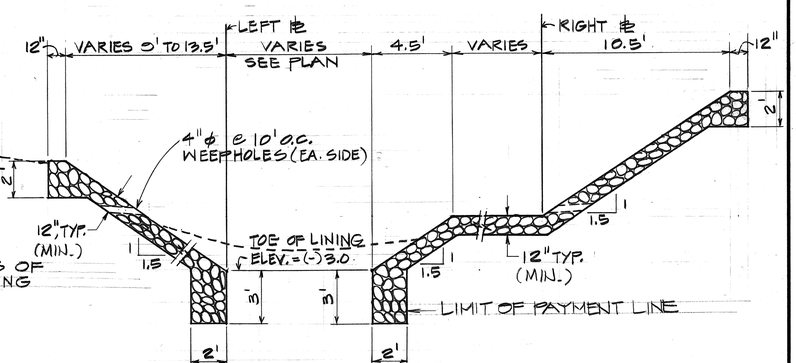
2. BED COURSE MATERIAL SHALL CONSIST OF 1-½" MAX. SIZE UNTREATED BASE CONFORMING TO SUBSECTION 703.06



SECTION A/CG



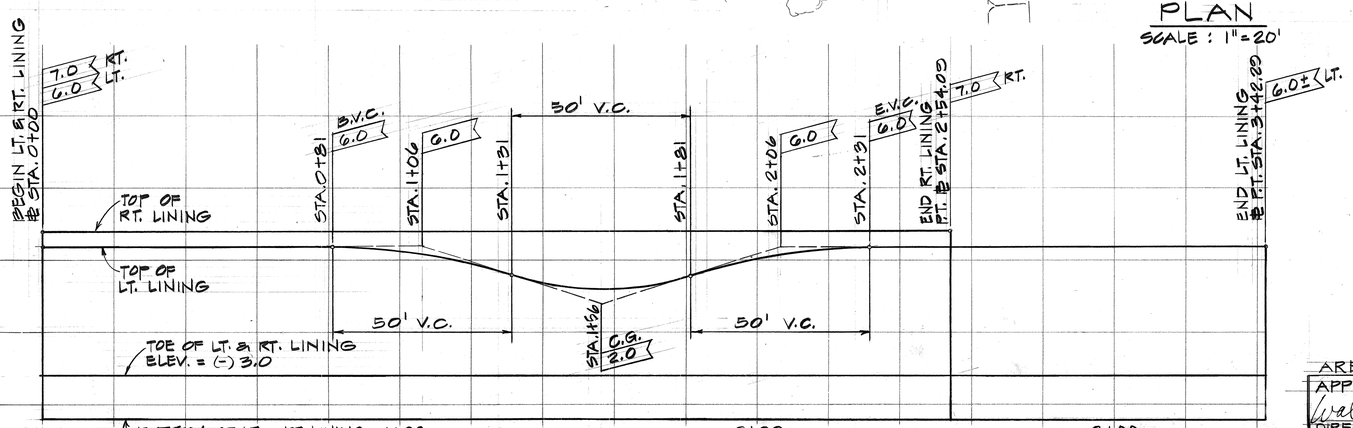
TYP. HALF-SECTION ~ THRU BRIDGE LINING



TYP. SECTION ~ THRU STREAM LINING

NO SCALE

(GROUTED RUBBLE PAVING)



PROFILE ~ MOANALUA STREAM LINING

SCALES : HORIZ. : 1" = 20', VERT. : 1" = 3'

AREA TO BE GRADED = 0.77 ACRES

APPROVED FOR GRADING ONLY:

Wallace Miyashiro 8/10/78
DIRECTOR & CHIEF ENGINEER DATE
DEPT. OF PUBLIC WORKS

8/9/78
CHIEF, DIVISION OF ENGINEERING DATE

GARY T. YAMAMOTO REGISTERED PROFESSIONAL ENGINEER No. 7997 HAWAII, U.S.A.

WILBERT T. TAKAMIYA REGISTERED PROFESSIONAL ENGINEER No. 1684 HAWAII, U.S.A.

Wilbert T. Takamiya
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MOANALUA STREAM LINING

MOANALUA ROAD
PUULOA I.C. TO MIDDLE ST. - UNIT-3A
F.A. Proj. No. TQ-F-078-1(18)

SCALE : AS SHOWN DATE : NOV. 15, 1978

SHEET NO. 1 OF 1 SHEETS

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