FED. ROAD	STATE	FED. AID	FISCAL	SHEET	TOTAL
DIST. NO.		PROJ. NO.	YEAR	NO.	SHEETS
HAWAII	HAW.	F-RF-031- 1(6)	1978	198	565

## ESTIMATED QUANTITIES FOR IRRIGATION SYSTEM AT KIHEI ROAD

Item No.	Item	Quantity	Uni
616.1130	1-14 Inch Copper Pipe	80	L.F.
616.1210	34-Inch PVC Pipe	2000	L.F.
616.1220	1-Inch PVC Pipe	160	L.F.
616.1230	1-14-Inch PVC Pipe	240	L.F
616.2210	5-10(Q, H and F) Sprinkler Head	52	EA
616.2301	P-21 (Q,H, 135°F, 34F, and F) Sprinkler Head	41	EA
616.3001	3/4 Inch Quick Coupler Valve with Concrete Protector	1	EA
616.3510	1-Inch Remote Control Valve with Valve Box	7	EA
616.3664	1-Inch Double Check Valve Backflow Preventer Unit	1	EA
616.3901	Type B Valve Box	2	EA
616.7008	Automatic Controller (8 Stations Minimum)		EA
616.7040	Automatic Controller Cabinet with Concrete Pad	1	EA
616.9050	Control Wiring (14 Ga.) from Controller to Remote Control Valves		Le
616.9400		40	L.F
616.9450	Rain Sensor and Appurtenances.	ı	EA
616.9451	Tensiometer with Plastic Housing	1	EA

ESTIMATED QUANTITIES FOR PFIZER GENETICS
IRRIGATION SYSTEM (AT & STA . 517+00±)
REHABILITATION

Item No.	Item.	Quantity	Unit
206.2041	Structure Exervation for Irrigation System	140	C.Y.
624.1696	Furnishing & Installing 3-Inch PVC Pipa Class 200, Including Fittings	420	EA
624.1703	Furnishing & Installing 8-Inch Ac Pipe, Class 3300	145	LF
624.7000	Removing and Returning Irrigation Pipes and Sprinkler Heads within State R.O.W. (To Pfizer Genetics Yard)	1	L.S.

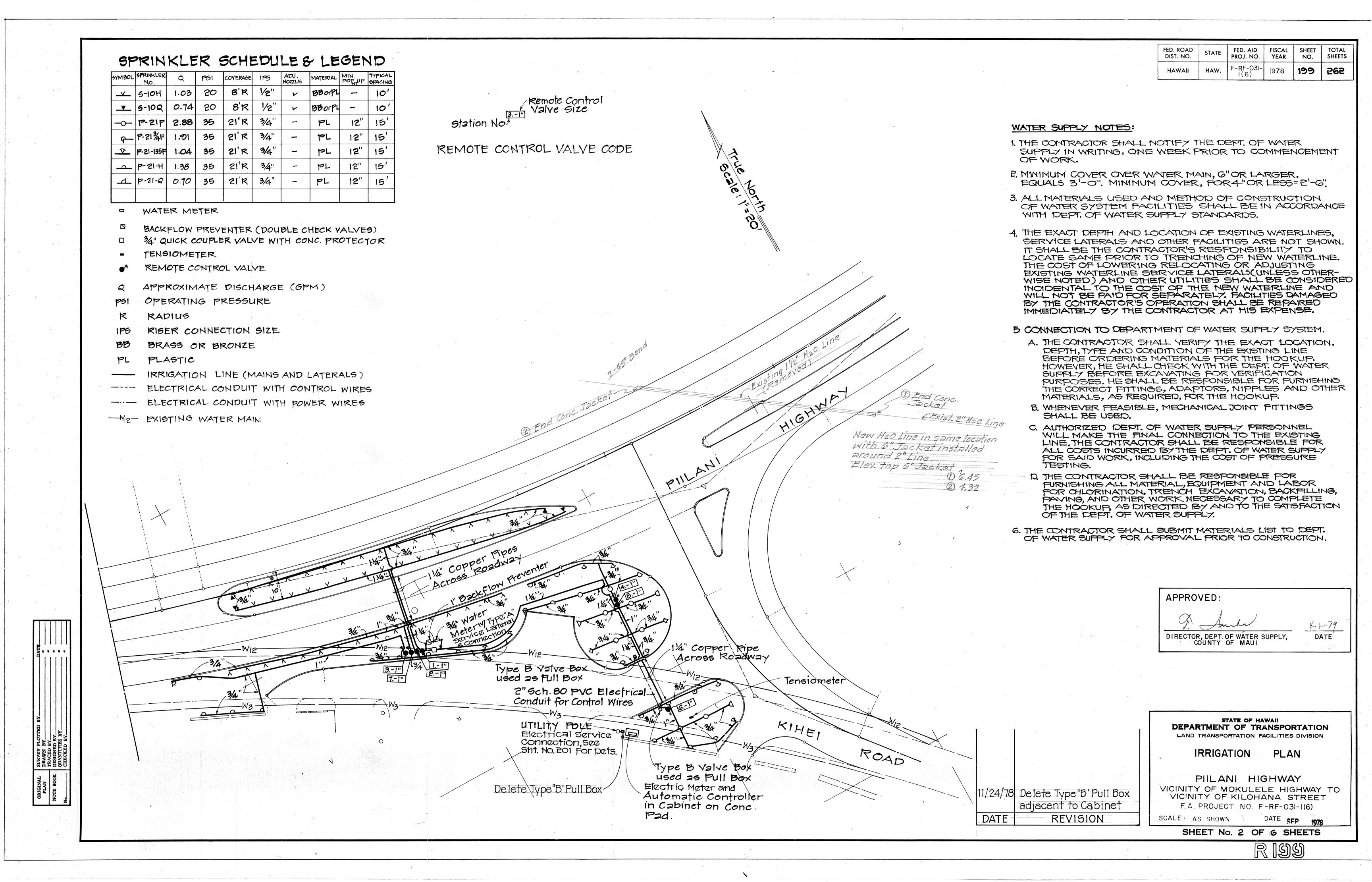
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

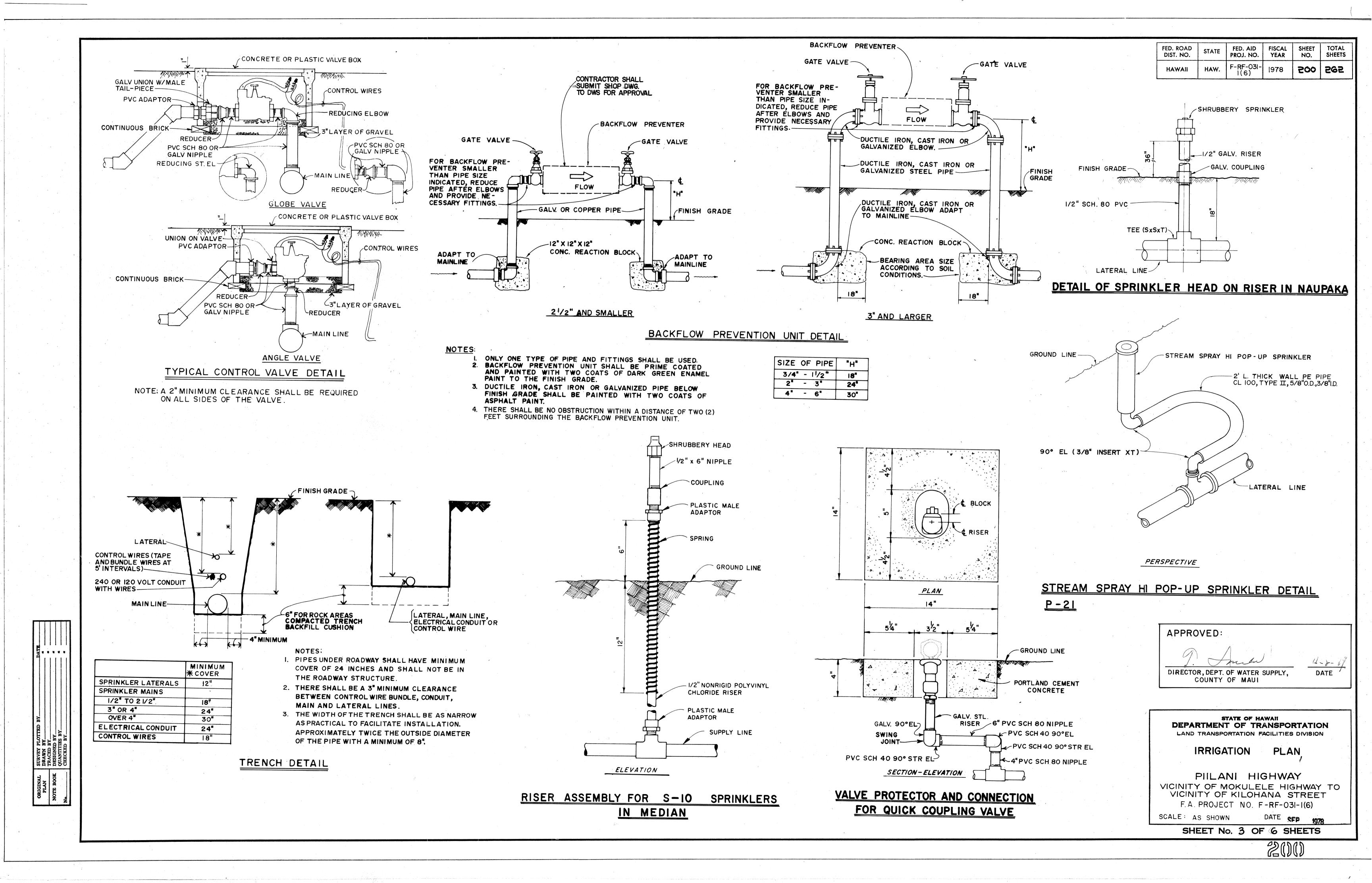
IRRIGATION PLAN

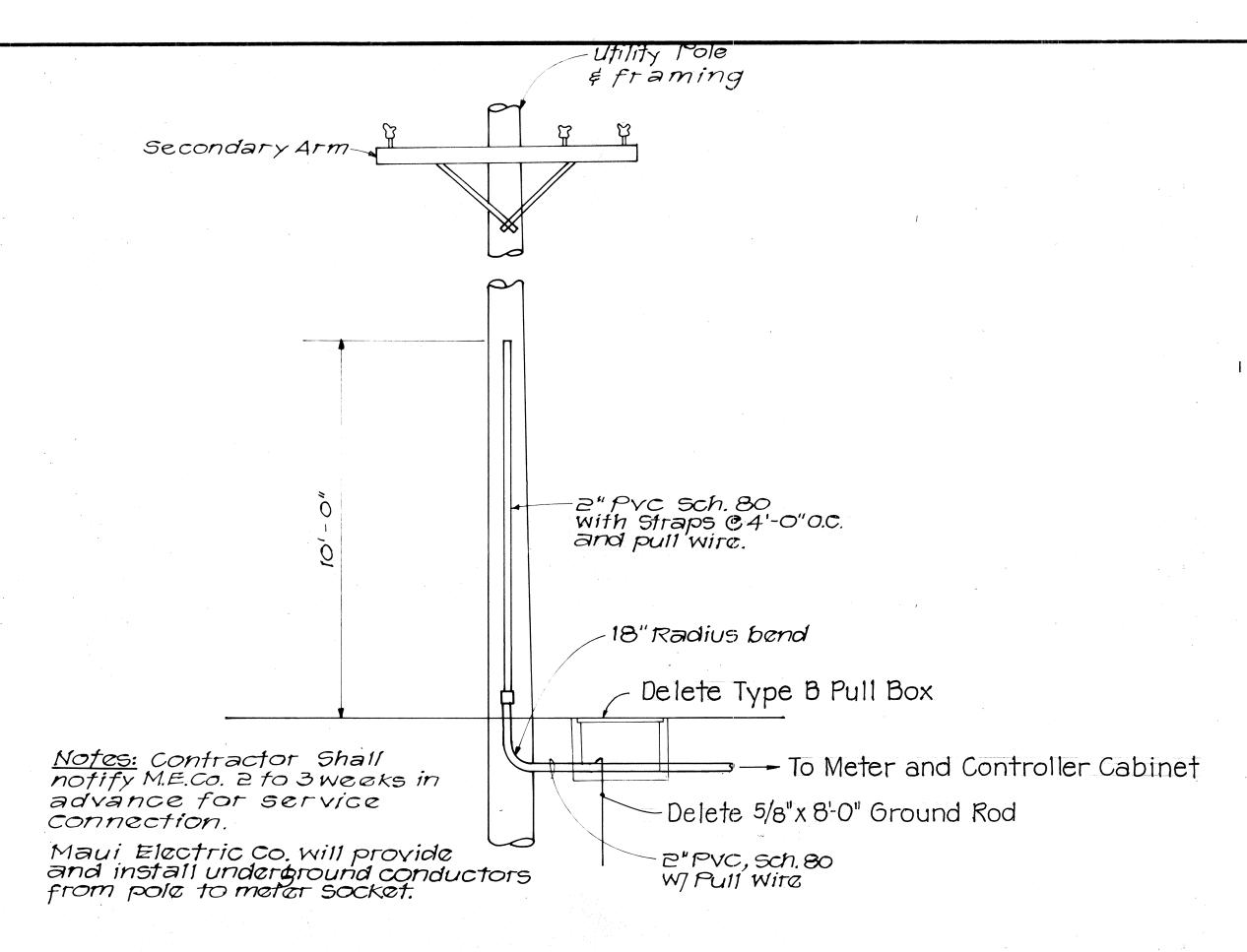
PILANI HIGHWAY
VICINITY OF MOKULELE HIGHWAY TO
VICINITY OF KILOHANA STREET
F.A. PROJECT NO. F-RF-031-1(6)

SCALE: AS SHOWN DATE SEP 1978

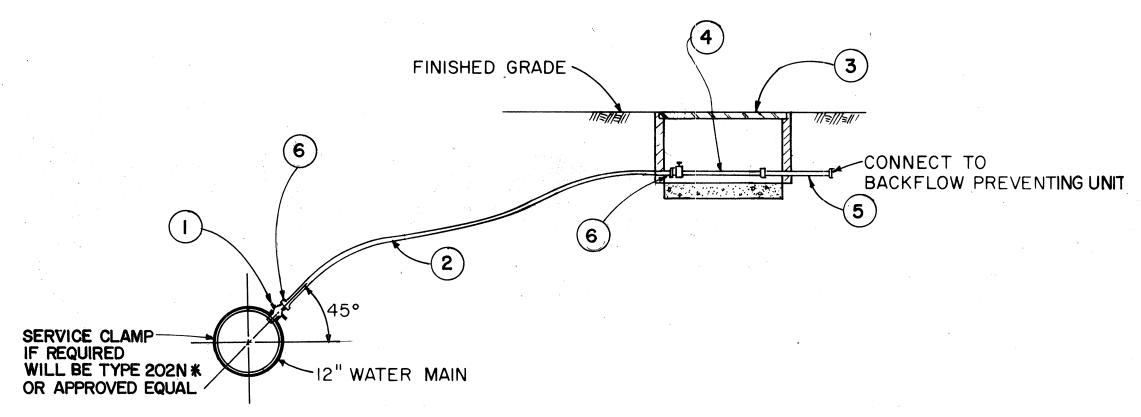
SHEET No. | OF 6 SHEETS







## 120 V.A.C. ELECTRIC SERVICE CONNECTION AT UTILITY POLE Not to Scale



# WATER SERVICE CONNECTION DETAIL

NOT TO SCALE

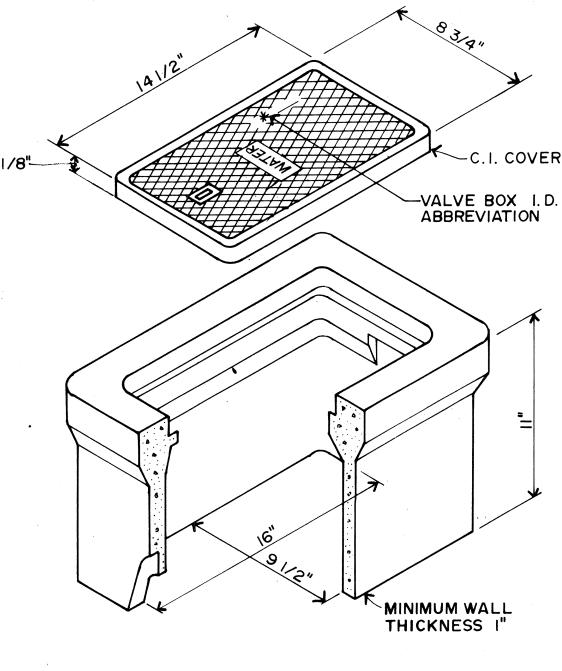
NOTES: I. MAUI DEPT. OF WATER SUPPLY SHALL FURNISH 3/4"
WATER METER. CONTRACTOR SHALL NOTIFY M.D.W.S. IN WRITING
ONE WEEK IN ADVANCE FOR SERVICE CONNECTION.

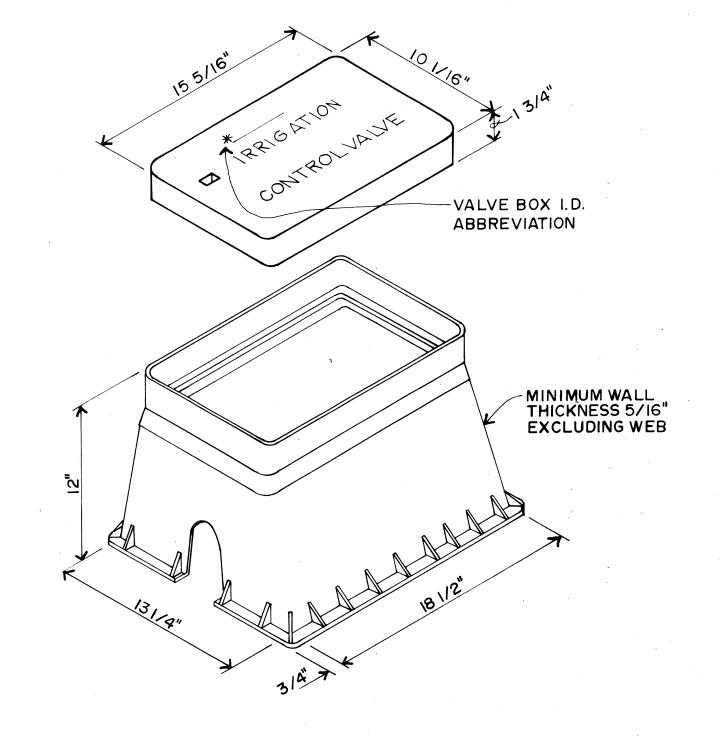
2. FOR COPPER TUBE INSTALLATION, DELETE INSERTS (6).

3. ALL FITTINGS AND MATERIALS LISTED BY BRAND NAMES OR APPROVED EQUAL.

\* FORD METER BOX MANUFACTURING CO'S NO.

¥	TYPE	METER SIZE	CORP. STOP	② SERVICE TUBING	3 C.1. METER BOX	METER IDLER	⑤ BRASS I.P.T. NIPPLE	© PLASTIC STIFFENER
· · · · · · · · · · · · · · · · · · ·	A	3/4"x3/4"	3/4" x 1" AWWA THREAD XPJ (F-1000)*	I"COPPER OR PE CLASS I60	I"x 3/4" P.J. INLET (NO.3 YOKEBOX)	⊹l"x 9"	11/4" x 8"	I"STAINLESS STL.INSERT (52) *





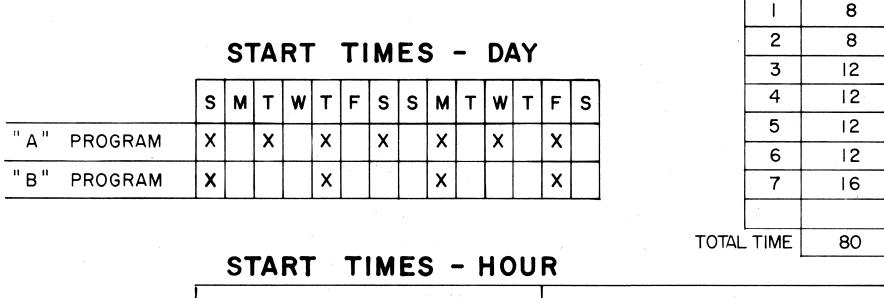
CONCRETE VALVE BOX

PLASTIC VALVE BOX

STA. TIMING

NO. MINUTES

#### TYPE "B" VALVE BOX NOT TO SCALE



	-		_							•			-														
		A.M.													Ρ.	<b>M</b> .											
	12	ı	2	3	4	5	6	7	8	9	10	11	12	ì	2	3	4	5	6	7	8	9	10	11			
"A" & "B" PROGRAM			X		X					· · ·																	
				1	·	,														,							

### IRRIGATION PROGRAM

NOTE: I. "A" PROGRAM SHALL BE FOR BEACH MORNING GLORY.

2. "B" PROGRAM SHALL BE FOR NAUPAKA.

3. OPERATOR SHALL ADJUST PROGRAM TO SUIT FIELD CONDITIONS.

APPROVED: 11/24/78 Delete Type "B" Pull Box adjacent to Utility Pole DATE DIRECTOR, DEPT. OF WATER SUPPLY, COUNTY OF MAUI DATE REVISION

100 Amp Meter Socket 4 Jaw, 14, 3 Wire, 120/240 With Manual Circuit -Circuit Breaker (1) 20A, 1P Auto-Controller 2 POA, 1P Spare closing Device. Automatic Controller From Utility P01e #8 B.C. to 5/8"x8" Grd. Rod **PuctLine** By Contractor Work to be bone by Contractor Conductors By MECO.

SERVICE CONNECTION ONE-LINE DIAGRAM

Not to Scale

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION LAND TRANSPORTATION FACILITIES DIVISION

FED. AID FISCAL SHEET PROJ. NO. YEAR NO.

F-RF-03|- 1978 201

TOTAL SHEETS

IRRIGATION

PIILANI HIGHWAY VICINITY OF MOKULELE HIGHWAY TO VICINITY OF KILOHANA STREET F.A. PROJECT NO. F-RF-031-1(6)

DATE SEP 1978 SCALE: AS SHOWN

SHEET No. 4 OF 6 SHEETS

R 201

PLAN

