

- 2. If necessary, Contractor shall request that the Engineer set up a field meeting with the Oahu District plumber/staff and Panasonic Building manager/staff to identify, clarify, expedite and simplify removal/installation operations.
- 3. Contractor shall notify Engineer of removal start date. Engineer shall notify Oahu District plumber and Panasonic Building manager; if they desire, the Oahu District plumber or Associated Panasonic Building personnel may salvage components before removal date.
- 4. Remove existing systems and components as shown on plans.
- 5. Make reasonable preparations for expediting and simplifying installation, especially related to:
 - a. Water source/mains.
 - b. Controller/control wiring/electric remote control valves.

ORIGINAL	DATE
PLAN	DRAWN BY <u>A. Nomura</u> . 4/ /2/ 34
NOTE BOOK	DESIGNED BY R. Kapololu .
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New Elect. *✿ System* Satellite -Station No. Controller ----D228.0 11/2" (Up to \2 33.0 GPM) ¹² RCV Size Flow (GPM) -— Manu REMOTE CONTROL VALVE CODE In Type w/ Cove marked Control -Limits of Grading (Excavation for *Ret*. Wall) R/Wand Planting retaining wall, up to Manual Angle Valve. Exist. 12" Sleeve under roadway tspb w/ 6" PVC Irrig. Main ∉ 2" PVC Wiring Conduit . topb Lapb , ----------Approx. location of exist. Irrig. Satt. Controller-'D2' for exist. mauka stations / Remote Control Valves (RCV's) 3,4,5 ¢ 6. Control Wiring thru 2" PVC Conduit in 12" ACP Sleeve under roadway. ADDI Valv Exist. 21/2" PVC Irrig. Main ----IRRIGATION NOTES Eleci c. Points-of-connection P.O.C. Salvage and ide d. Excavate for n d. Pipe sleeves through retaining wall and drainage Connect new 2 channel. run 2 1/2" PV e. Lateral piping over drainage pipe. over retaining 6. Mark location and placement of sleeves, conduits, mains and wall, up to mai laterals under pavements and through walls, before these are INSTALLATION constructed. 7. Notify Engineer immediately, for corrective action when error 11. Irrigation system show or omission in the contract documents are discovered. subject to appropriate conditions. 8. Obtain and pay for necessary permits and certificates required 12. Request approval from for this work. of-connection, main line. 9. During removal and installation period, shut off water and deactivate controller programs for stations/areas affected. 13. Install irrigation system on plans and details. 10. Suggested procedure checklist of Main Point-of-Connection, at outbound roadside, Station 40+85, as follows: 14. Insure that installation performance conforms a. Shut existing gate value to main; deactivate controller program for existing RCV's D2/3, 4, 5 \$ 6. where specifications ex shall govern. b. Cut, cap and mark location.

			FED. AID			
Remote Control Valve	FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO,	TOTAL SHEETS
emove existing)	HAWAII	HAW.	STP-0300(39)	1996	36	70
Angle Valve Size			<u>RTH _</u> = 20'			
/15"x22" Valve Box			TRUE NORTI SCALE : 1" = 2			
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Irrigation alve D2-3"			SC SC			
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x. location of exist. $2\frac{1}{2}$ " Gate		/				
controlling Irrig. Main Flow to RCV's across roadway	\$ ``					
ntify existing control wiring.	/	/				
w retaining wall.	oio					
/2" PVC main to existing 6" PVC ma main and 2" PVC conduit/control w						
all footing, through 6" PVC sleeve i						
ial angle valve and RCV D2/3.	· ·					
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valves, valve boxes and heads. components as shown and specified of materials and workmanship manufacturer's instructions;	Hala Hala HAL	AWA V Dura H AWA V Ulu d. Aid	<u>ts. Rd. to Ha</u> And And ALLEY RD. I Une St. to Iw Project No.	alawa MPRO vaiwa STP-	Valley VEME St. 0300(3	<u>Rd.</u> NTS 19)
valves, valve boxes and heads. components as shown and specified of materials and workmanship	Hala HALA Scale:	<u>UNE</u> awa H AWA V Ulu d. Aid 1" = 20	<u>ts. Rd. to Ha</u> And And ALLEY RD. I Une St. to Iw Project No.	Alawa MPRO Vaiwa STP- Da	Valley VEMEI St.	<u>Rd.</u> NTS 19) 1996



ORIGINAL	SURVEY	SURVEY PLOTTED BY DATE
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	TRACED BY	BY
NOTE BOOK	DESIGNED	DESIGNED BY R. Kapololu .
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NINCripi02.dgr CHECKED BY	CHECKED	BY .

for sustained use and operations using non-potable, di operate with low pressure, low gallonage, high wind tol self-flushing, throw-distance controllable, part circle ad arc and matched precipitation rates; besides having pr compensating nozzles, rotor 12" pop-up heads shall be tolerant, vandal-proofed, throw-distance reducible and v adjustment; the remote control valves shall be contamir

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	FED. ROA DIST. NO		FED. AID PROJ. NO.	FISCAL YEAR	SHEET	TOTAL SHEETS
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New Irrig. system 11/2" to exist. 2" supply later	Lateral		ts of Grading			
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-P.O.C., approx. location New Irrig. System 1/2 exist. 1/2" supply late PB Sta. #5's RCV. Ex is "on-grade", New Pi installed "Below-Grade Lined Drainage Ditch -----4" PVC Sch 40 Pipe S under Drainage Ditch (See Plan Sht. No. 28 JOHD └ Irrig. Lines installed ZZ ZZ ANIL Wall Wall Wall - 11/2" Ball Valve AWA I AWA - 48" CMP -Drainage Inle 24" CMP R/W-Limits of Grading (Fill for Sidewalk) and Planting --(IRRIGAT 22. Request Engineer inspect/approve Field Test #1 and other irrigation Installation Period contract work upon completion, before start of planting operations and planting period. 23. Correct deficiencies and discrepancies until Engineer appro POST-INSTALLATION 24. Arrange and pay for repair of damages caused by his operation to utilities, structures, features or areas.

25. Adjust irrigation valves and heads to provide the safest, mode efficient, and effective coverage possible; adjust the location, coverage arc degree and radius of irrigation heads, as nece to eliminate dry areas and overspray; adjust impact heads' r angle to compensate for slope gradient, to insure adequate co with minimum spray trajectory angle, eliminating/minimizing caused overspray.



location, stem 1/2" Lateral ply lateral from RCV. Existing pi New Piping sha w-Grade" Pipe Sleeve Ditch No. 28 \$ 30)	ping	(Excavati Wall, Sid P.C New exi #4,	f Grading ion for Retain walk) and Pl O.C., approx. Io w Irrig. Syste ist. 2" supply RCV. Existin w Piping shal R/W	lanting ocation, em 1¼" Later lateral from g piping is l be installe	n PB Sta. "on-grade", ed "Below-G	Exist. (PB 4) 63 2'			2"-×1
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0			HALAWA V	ALLEY ROA	4 <i>D</i>	-Remov	Bld ve exist. Ir side Heads	g. Stas. • rig. Syst	ten
<del>16</del> 3/4"	3/2		1''	<b>×</b>	11/2"	NAVg(at	1" - e ht	5 = 16	
RIGATION NOTE other opletion, od.	S CONTINU	JED)		(up to 26.4	2"- ¿ E1 4 GPM) \22.4		P.O.C., appro lew Irrig. ateral to e	ox. locatio System's exist. 2" .	11/2
approves.	26. Requi		approve wate	ering schedu	lle recomme	endations a	<del>a</del> s		
is operations,		Preferred T	imes: 10:00 Al imes: 8:00 Al mes: 6:00 Al only.		M	ummer mo	nths		
fest, most location, as necessary heads' riser-	irriga	ation Post-In	inspect/appr stallation peri ant Establish	iod contract	work upon		n at		
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