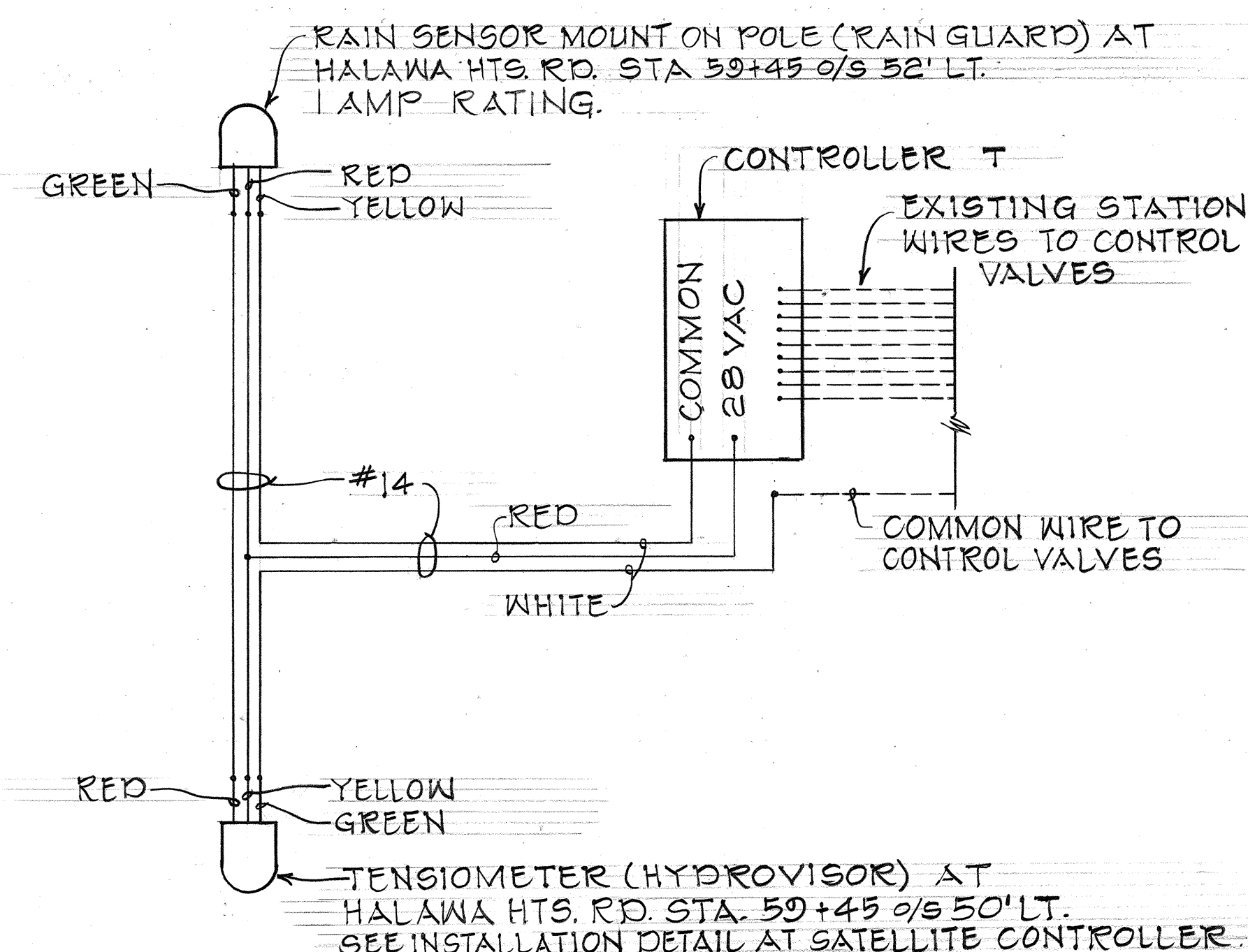
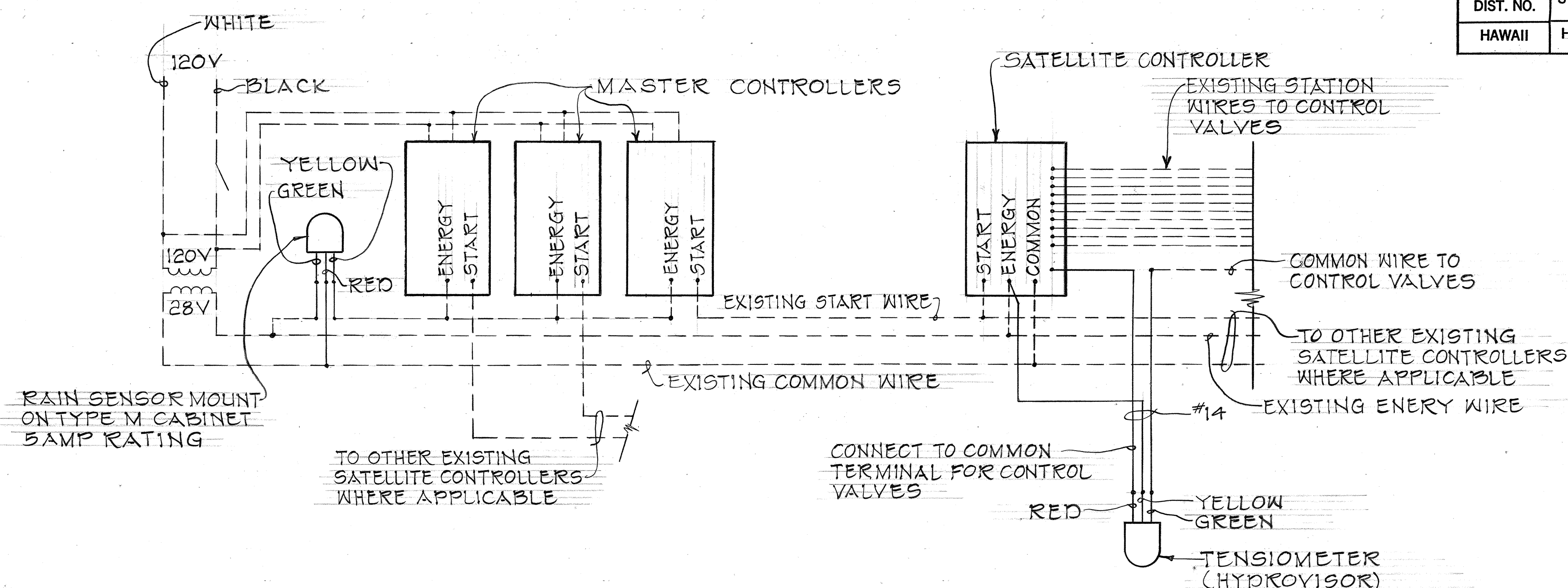


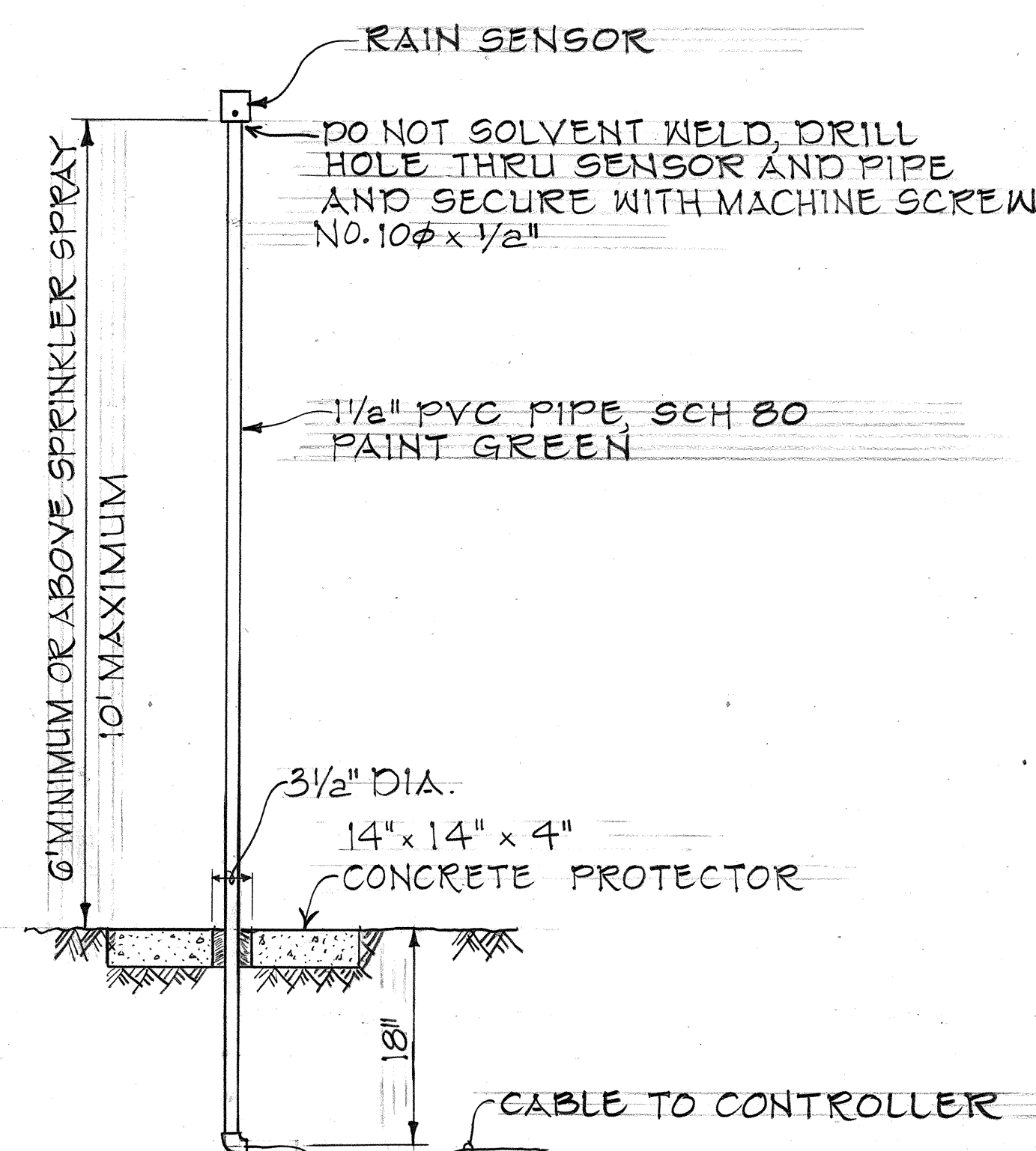
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(155)	1979	17	19



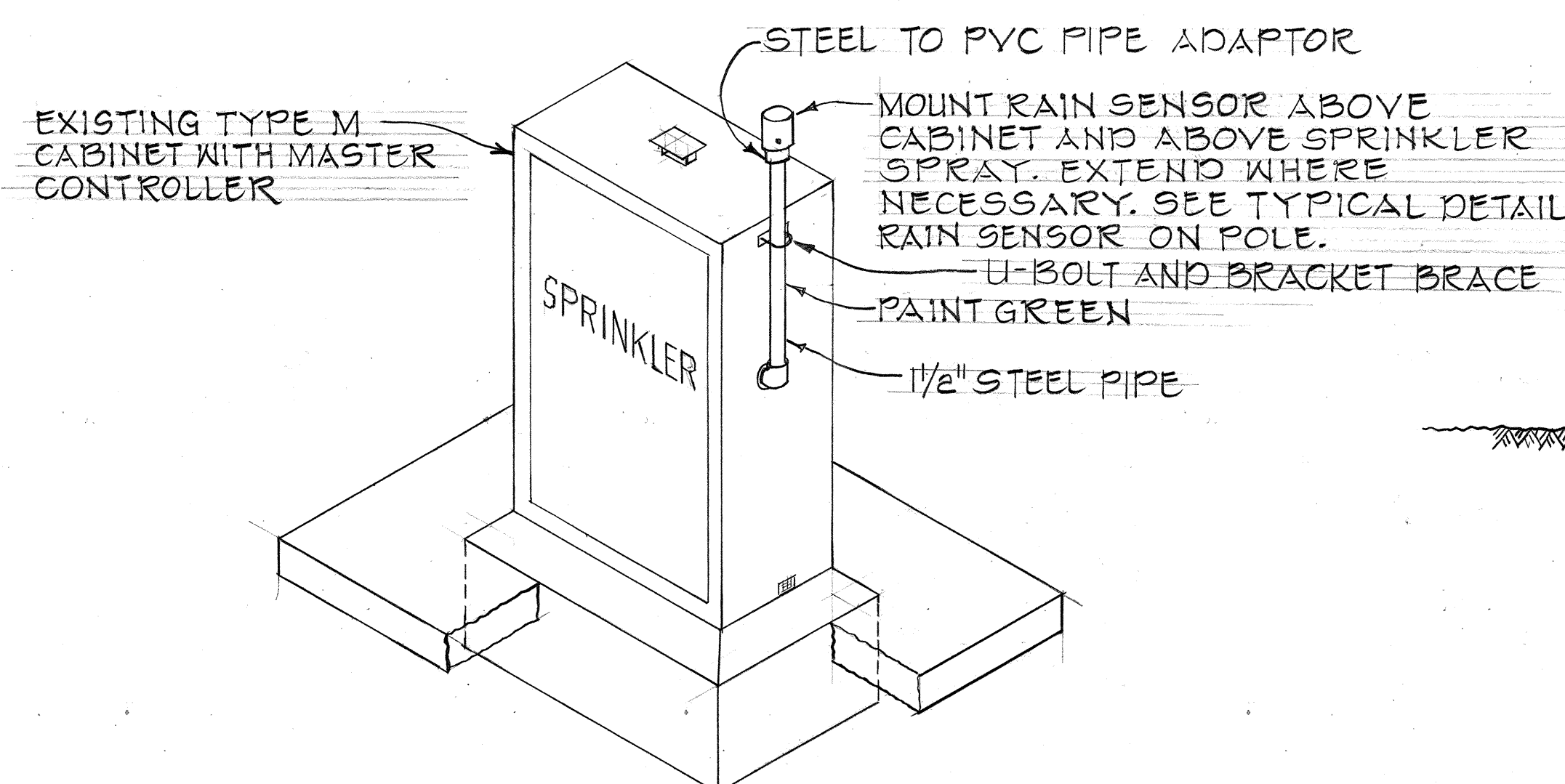
RAIN SENSOR AND TENSIO METER WIRE DIAGRAM FOR CONTROLLER T



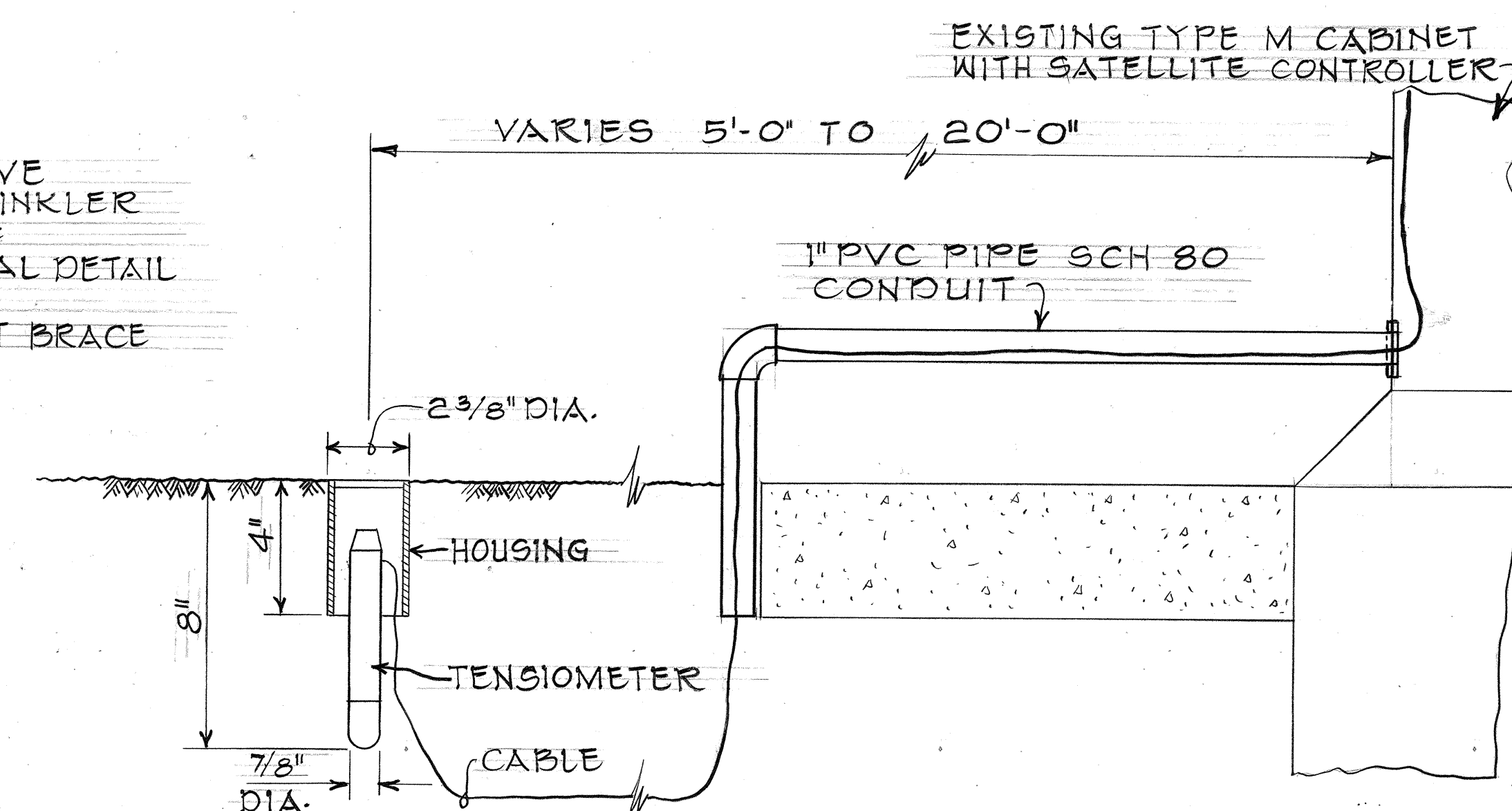
TYPICAL WIRE DIAGRAM RAIN SENSOR TO MASTER CONTROLLER AND TENSIO METER TO SATELLITE CONTROLLER



TYPICAL DETAIL RAIN SENSOR ON POLE



TYPICAL RAIN SENSOR INSTALLATION AT MASTER CONTROLLER



TYPICAL TENSIO METER INSTALLATION AT SATELLITE CONTROLLER

- NOTE:
1. TENSIO METER AT S2 SATELLITE CONTROLLER 19 SIMILAR EXCEPT PVC CONDUIT GOES THRU CMU WALL.
 2. PROVIDE 1" PVC, SCH. 80 CONDUIT FROM CONTROLLER TO GROUND FOR WALL MOUNTED SATELLITES H1, H2 & H11.

DATE	DESIGNED BY	CHECKED BY
PLANNED BY	NOTED BY	QUANTITIES BY
DESIGNED BY	NOTED BY	QUANTITIES BY
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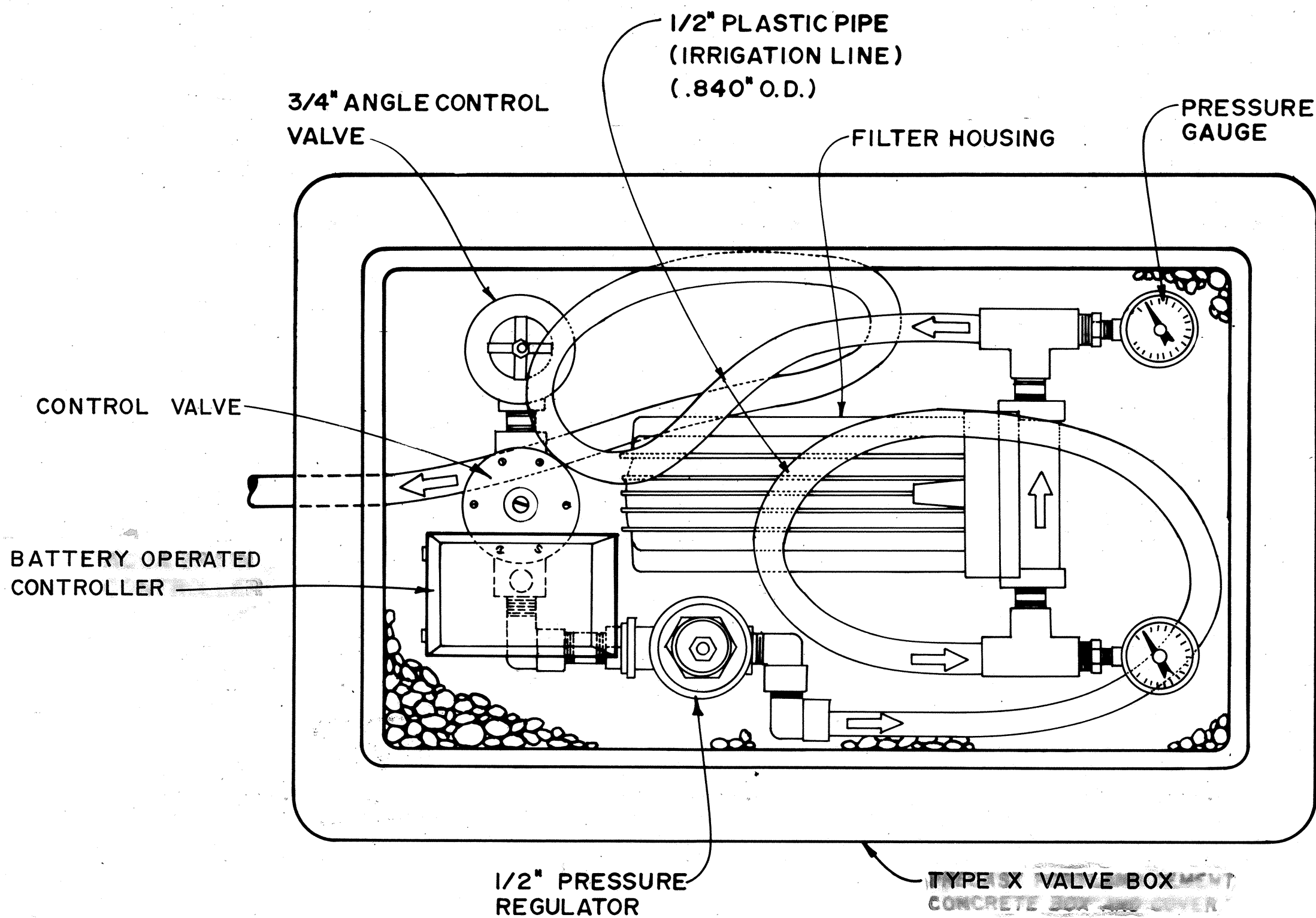
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
IRRIGATION SYSTEM

DETAILS

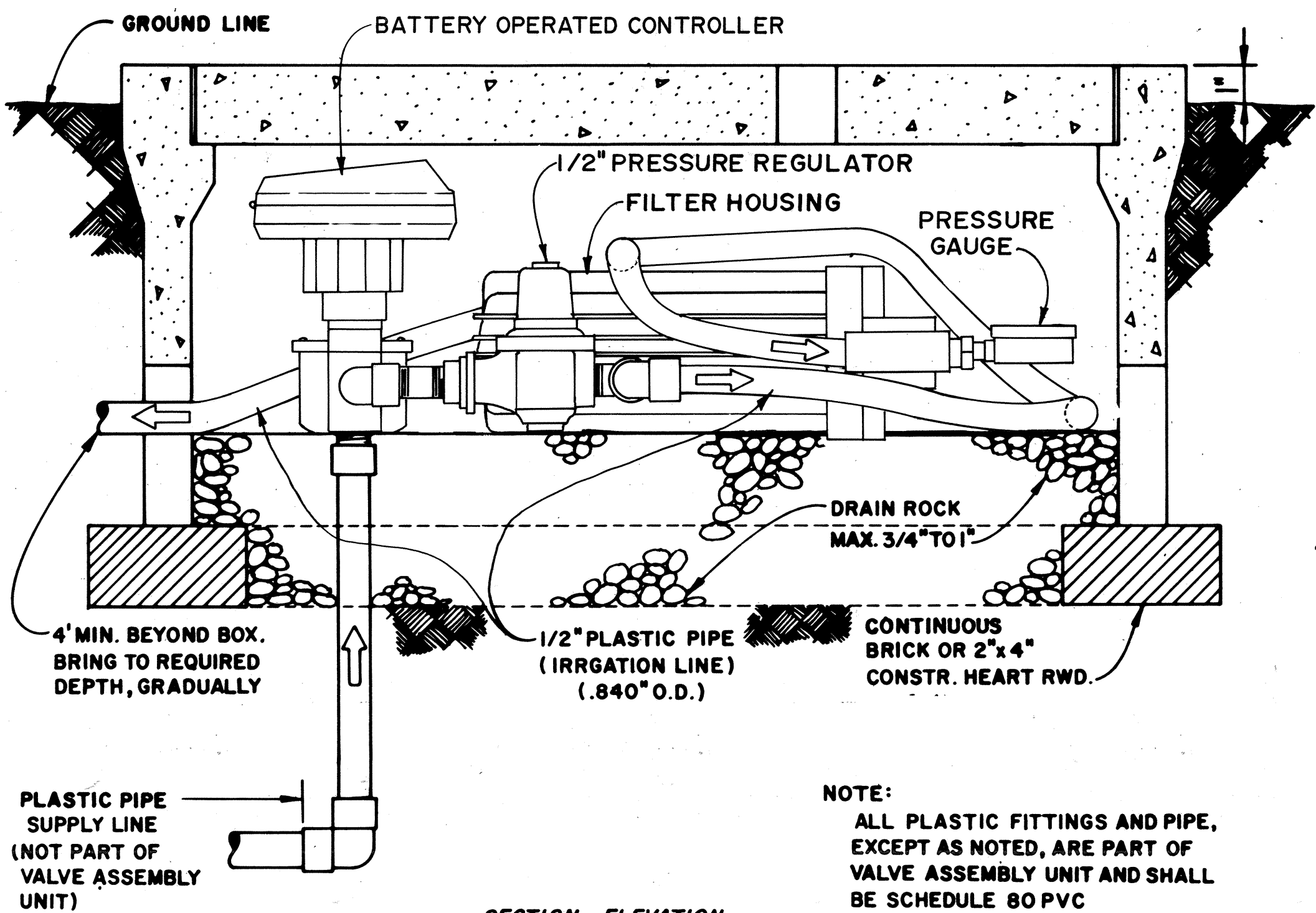
INTERSTATE ROUTE H-1
PROJ. NO. I-HI-1(155)

Not to Scale Date: Dec. 1978
SHEET NO. 16 OF 18 SHEETS

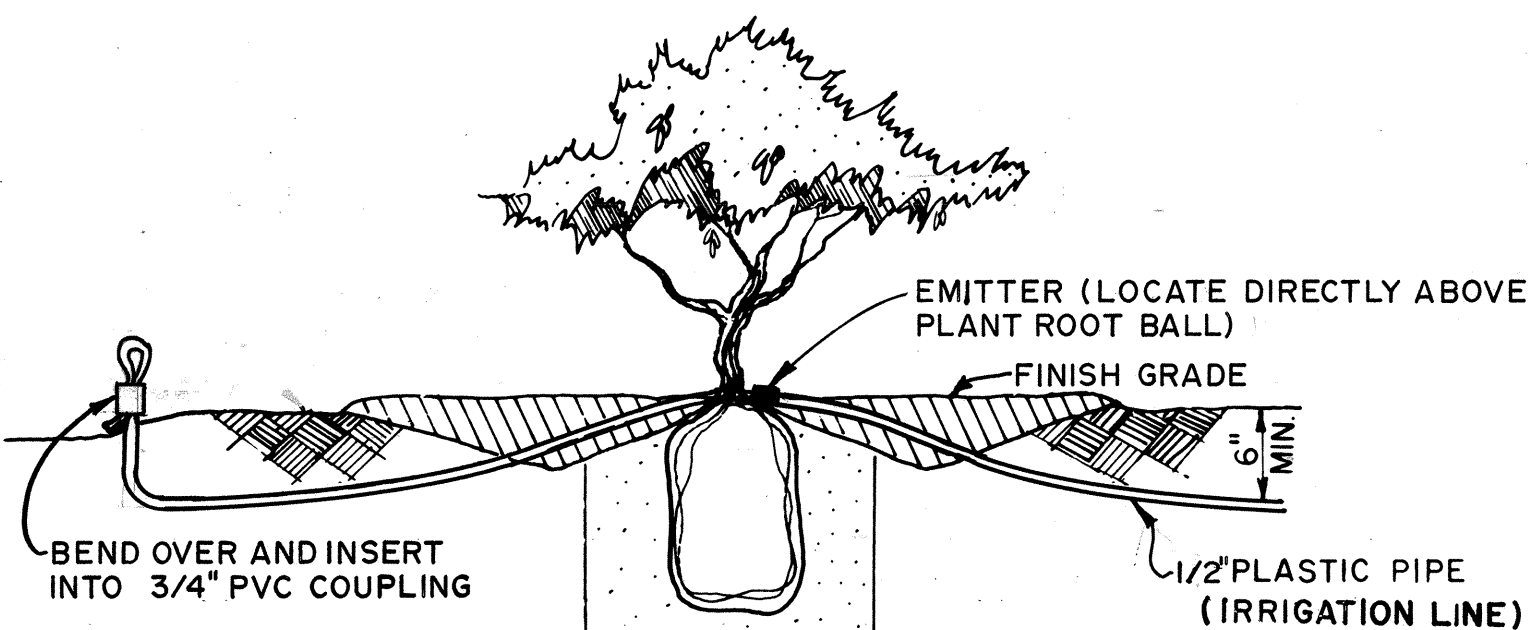
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(155)	1978	19	19



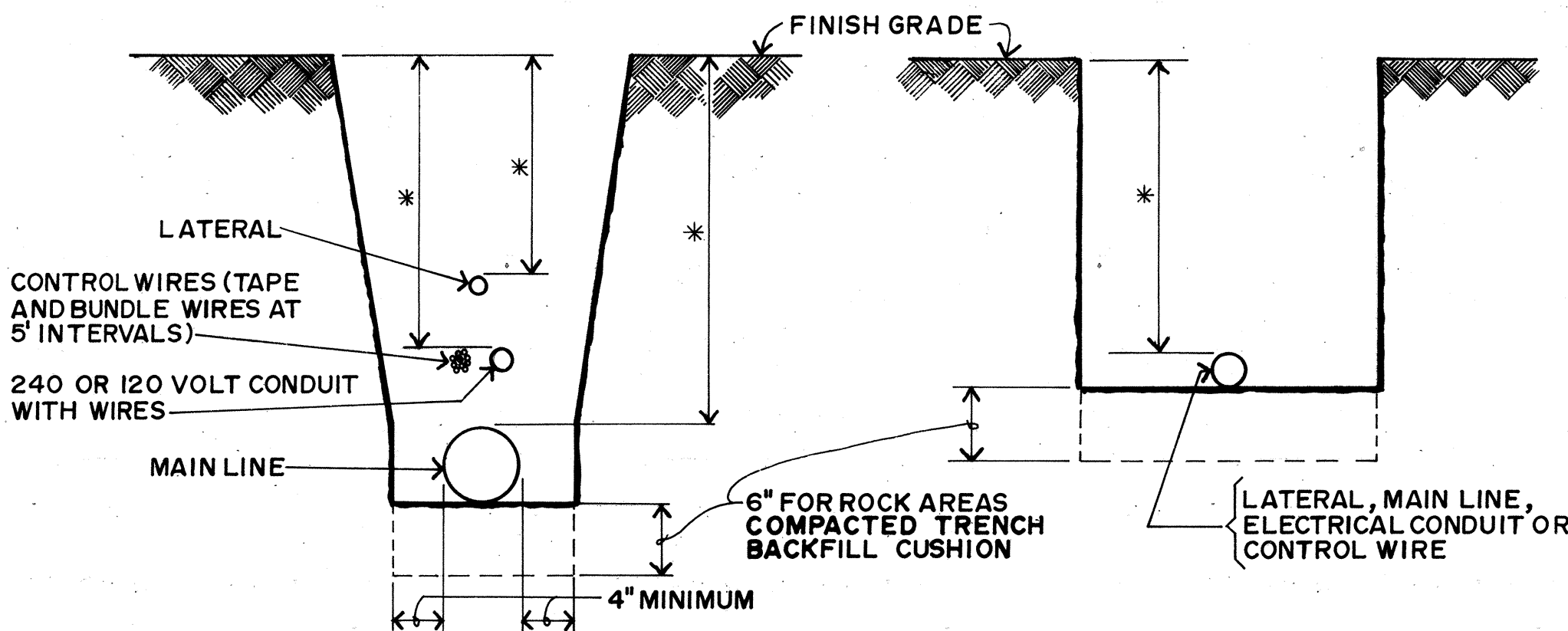
PLAN
VALVE ASSEMBLY UNIT



SECTION - ELEVATION
VALVE ASSEMBLY UNIT



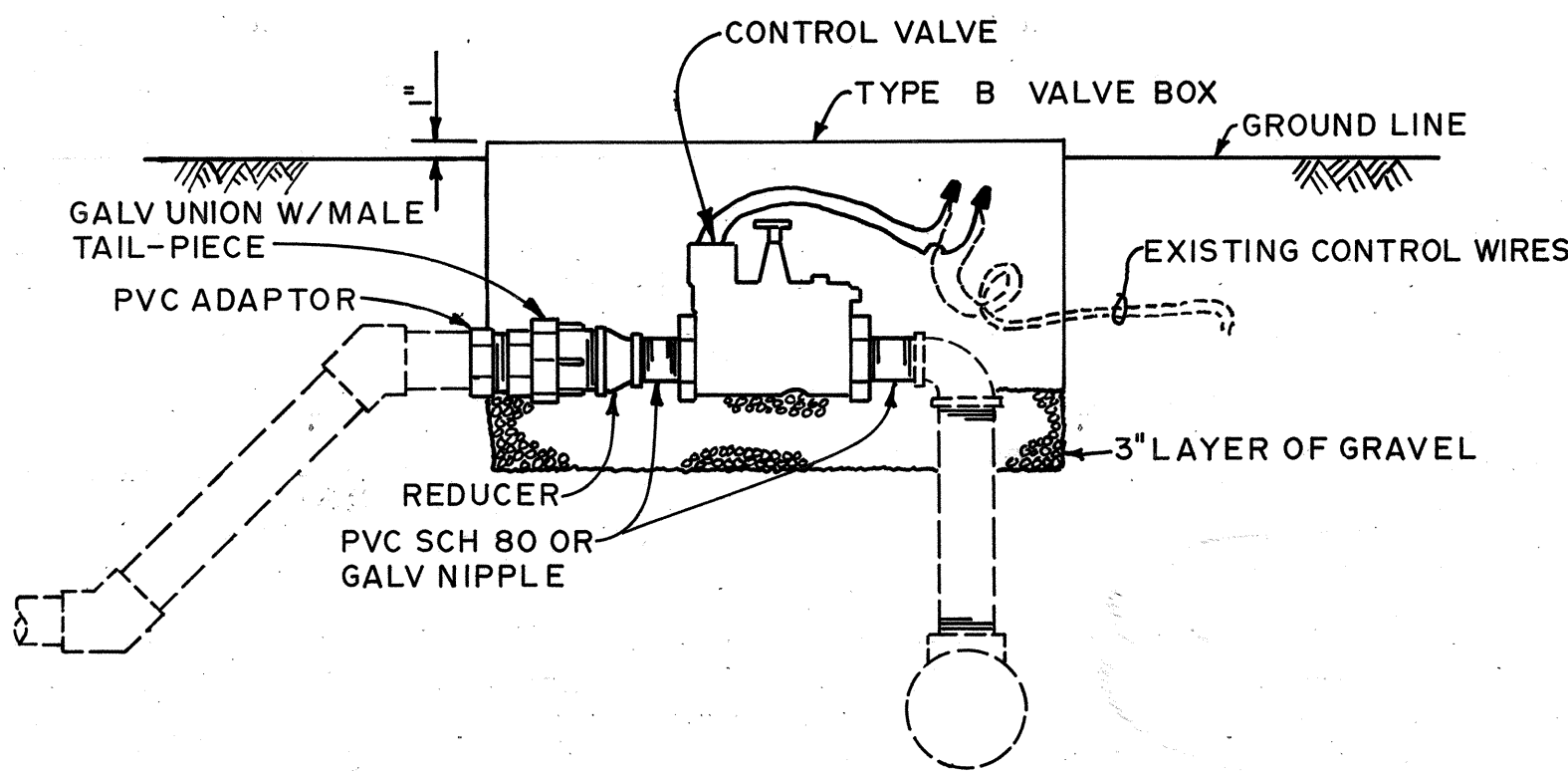
SECTION
PLASTIC PIPE (IRRIGATION LINE)



	MINIMUM COVER	
SPRINKLER LATERALS	12"	
SPRINKLER MAINS	12"	
1/2" TO 2 1/2"	18"	
3" OR 4"	24"	
OVER 4"	30"	
ELECTRICAL CONDUIT	24"	
CONTROL WIRES	18"	

TRENCH DETAIL

- NOTES:
- PIPES UNDER ROADWAY SHALL HAVE MINIMUM COVER OF 24 INCHES AND SHALL NOT BE IN THE ROADWAY STRUCTURE.
 - THERE SHALL BE A 3" MINIMUM CLEARANCE BETWEEN CONTROL WIRE BUNDLE, CONDUIT, MAIN AND LATERAL LINES.
 - THE WIDTH OF THE TRENCH SHALL BE AS NARROW AS PRACTICAL TO FACILITATE INSTALLATION. APPROXIMATELY TWICE THE OUTSIDE DIAMETER OF THE PIPE WITH A MINIMUM OF 8".



CONTROL VALVE DETAIL

NOTE: A 2" MINIMUM CLEARANCE SHALL BE REQUIRED ON ALL SIDES OF THE VALVE.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
IRRIGATION SYSTEM

DETAILS

INTERSTATE ROUTE H-1
PROJ. NO. I-HI-1(155)

Not to Scale Date: Dec. 1978
SHEET NO. 1-18 OF 18 SHEETS