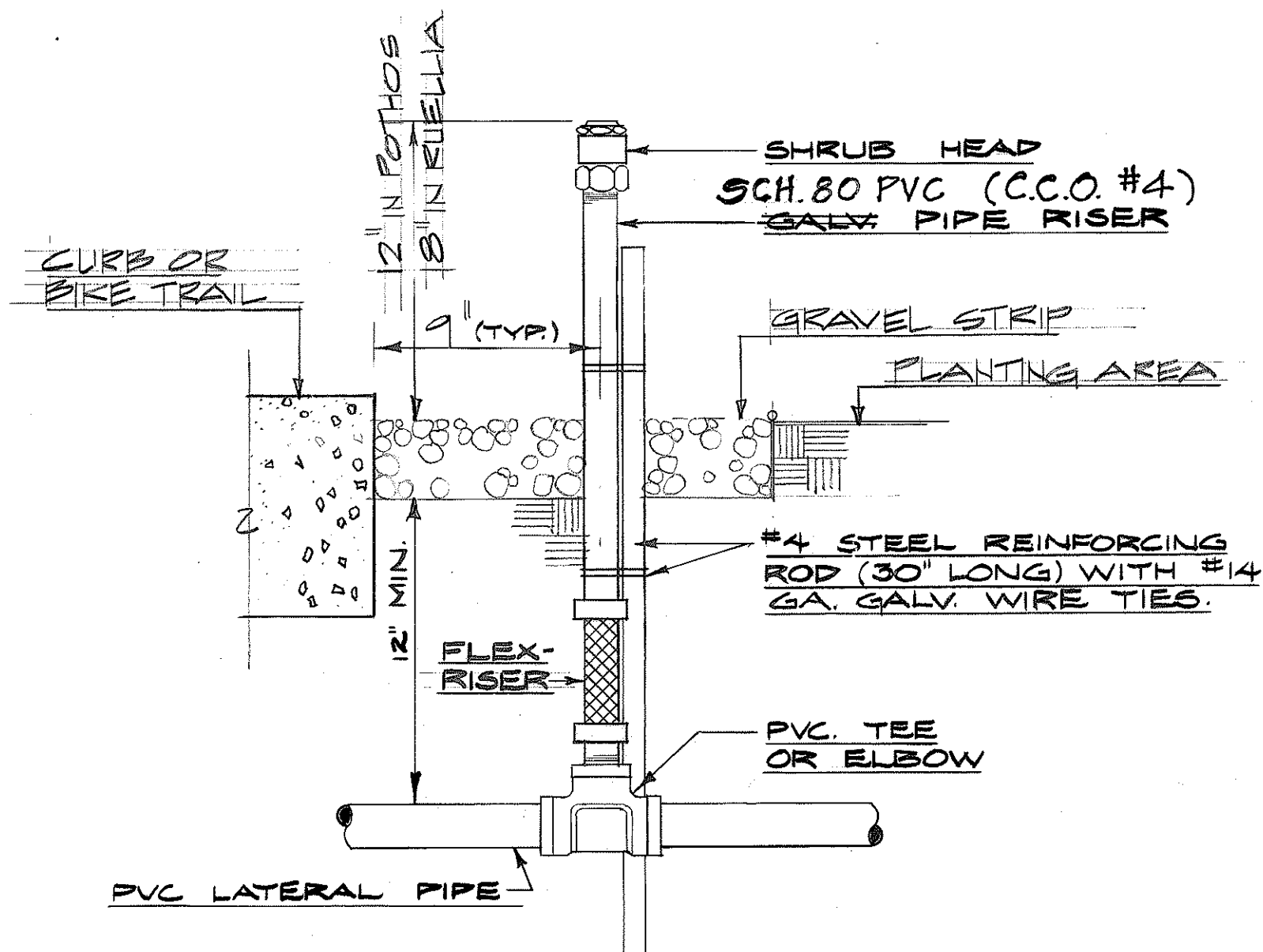




TYPICAL SHRUB HEAD DETAIL
NO SCALE

GENERAL NOTES

1. FINAL LOCATIONS OF VALVES, CONTROLLERS & SUPPLY LINES SHALL BE DETERMINED BY THE ENGINEER.
2. CONCRETE REACTION BLOCKS SHALL BE CLASS "B" CONCRETE.
3. MINIMUM LINE SIZE BETWEEN SPRINKLER HEADS SHALL BE AS SHOWN ON THE PLANS.
4. NO ROCKS OR SHARP OBJECTS ONE INCH OR LARGER SHALL BE USED IN BACKFILL MATERIAL FOR TRENCHES.
5. CONTRACTOR SHALL ADJUST ALL SPRINKLER HEADS FOR PROPER COVERAGE. IF ADJUSTMENTS ARE MADE, NOTIFY ENGINEER OF SUCH ACTION.
6. LINE SIZE UP TO & INCLUDING 3" SHALL BE GALVANIZED STEEL, COPPER OR PVC PIPE, EXCEPT PIPE UNDER PAVED AREAS SHALL BE COPPER.

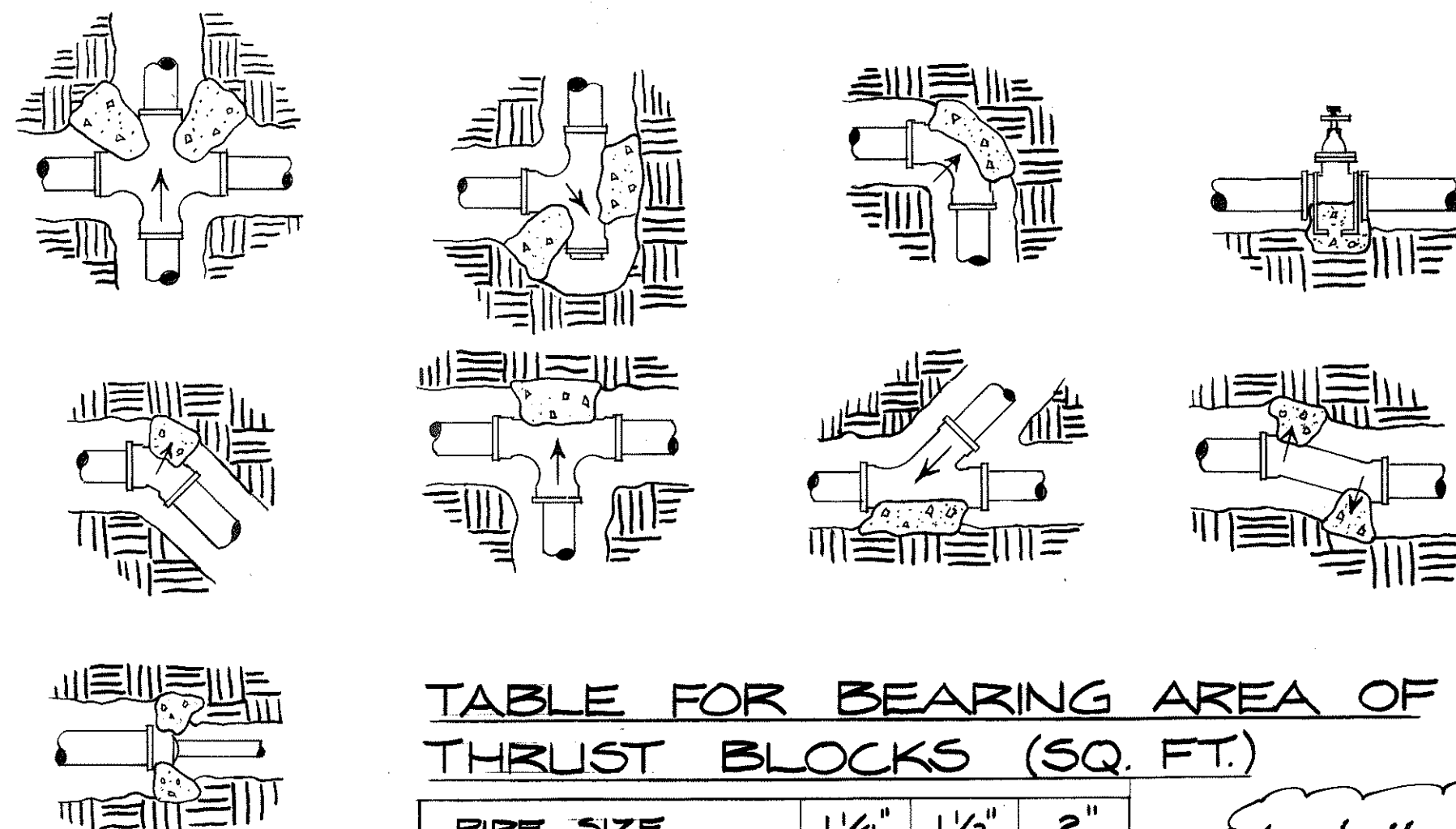


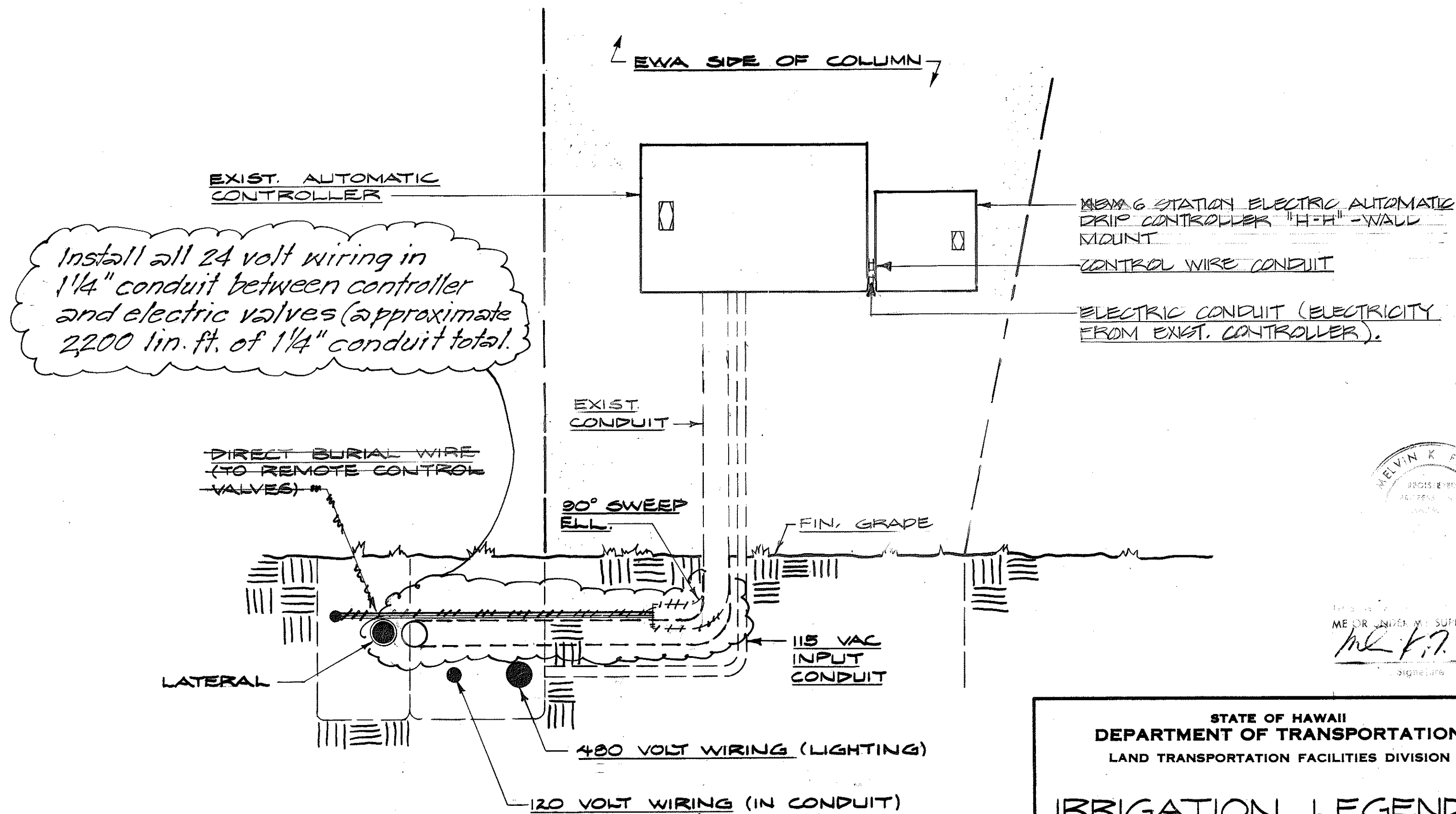
TABLE FOR BEARING AREA OF THRUST BLOCKS (SQ. FT.)

PIPE SIZE	1/4"	1/2"	2"
TEES & CROSSES	0.50	0.50	0.50
90° BEND	0.50	0.50	0.50
45° BEND	0.50	0.50	0.50

Install pullbox at all wire splices and changes in conduit direction. See Sht. 11

TYPICAL THRUST BLOCK DETAILS
NO SCALE

IRRIGATION LEGEND						
SPRINKLER	SYMBOL	DESCRIPTION	PRESSURE P.S.I.	COVERAGE FT.	FLOW GPM	RISER INCHES
S-12	1/4"	SHRUB SPRAY - QUARTER	25	12' RAD.	0.7	1/2"
S-12	1/2"	SHRUB SPRAY - THIRD	25	12' RAD.	0.8	1/2"
S-12	3/4"	SHRUB SPRAY - HALF	25	12' RAD.	1.0	1/2"
S-12	1"	SHRUB SPRAY - THREE QUARTER	25	12' RAD.	1.5	1/2"
S-12	1 1/2"	SHRUB SPRAY - FULL	25	12' RAD.	2.0	1/2"
S-21	1/4"	SHRUB SPRAY - QUARTER	35	21' RAD.	0.7	1/2"
S-21	1/2"	SHRUB SPRAY - THIRD	35	21' RAD.	1.04	1/2"
S-21	3/4"	SHRUB SPRAY - HALF	35	21' RAD.	1.38	1/2"
S-21	1"	SHRUB SPRAY - FULL	35	21' RAD.	2.88	1/2"
S-28	1/4"	SHRUB SPRAY - QUARTER	35	28' RAD.	1.34	1/2"
S-28	1/2"	SHRUB SPRAY - THIRD	35	28' RAD.	2.11	1/2"
S-28	3/4"	SHRUB SPRAY - HALF	35	28' RAD.	2.77	1/2"
S-38	1/4"	SHRUB SPRAY - QUARTER	35	38' RAD.	1.4	1/2"
S-38	1/2"	SHRUB SPRAY - THIRD	35	38' RAD.	1.8	1/2"
S-38	3/4"	SHRUB SPRAY - HALF	35	38' RAD.	2.8	1/2"
		ELECTRIC REMOTE CONTROL VALVE/V.B. 24V WATERPROOF SOLENOID				
		TRICKLER VALVE ASSEMBLY UNIT				
		FLAPPER EMITTER				
		1/2" BRASS HOSE BIB ON GALV. PIPE RISER				
		NEW 4" GATE VALVE				
		ELECTRIC AUTOMATIC DRIP CONTROLLER - 6 STATION WALL MOUNT				
		EXIST. GATE VALVE				
		EXIST. AUTOMATIC CONTROLLER				



CONTROLLER & TRENCHING DETAIL
NO SCALE
SKETCH "A"
C.C.O. #2

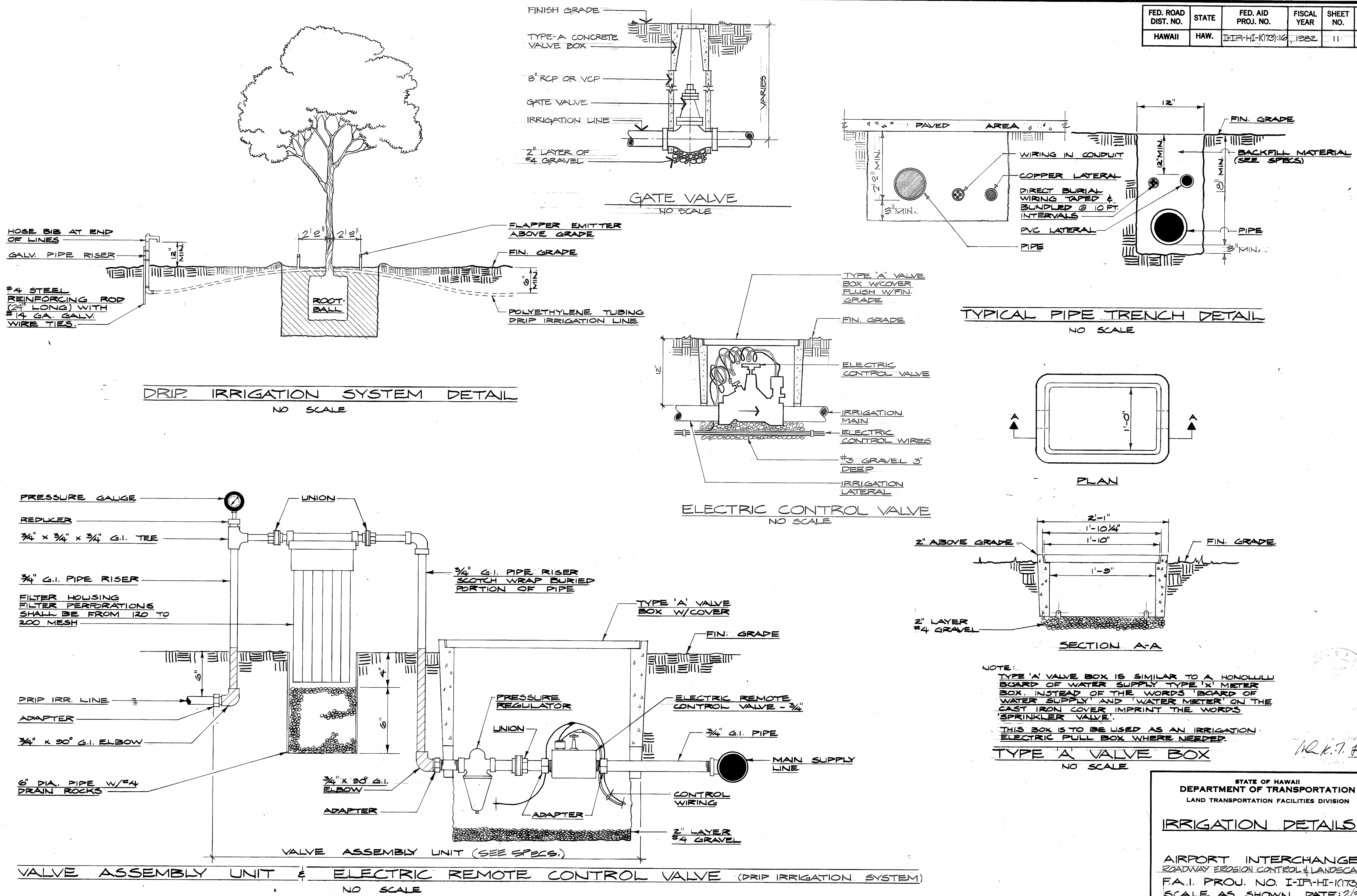
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

IRRIGATION LEGEND & DETAILS

AIRPORT INTERCHANGE
ROADWAY EROSION CONTROL & LANDSCAPING
F.A.I. PROJ. NO. I-IR-HI-1(173):16
SCALE AS SHOWN DATE 2/3/83

SHEET NO. 110 OF 22 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11R-HI-1(173)16	1982	11	22



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

IRRIGATION DETAILS

AIRPORT INTERCHANGE
ROADWAY EROSION CONTROL & LANDSCAPING
F.A.I. PROJ. NO. I-IP-HI-1(173)16
SCALE AS SHOWN DATE: 2/3/83

SHEET NO. 11 OF 22 SHEETS