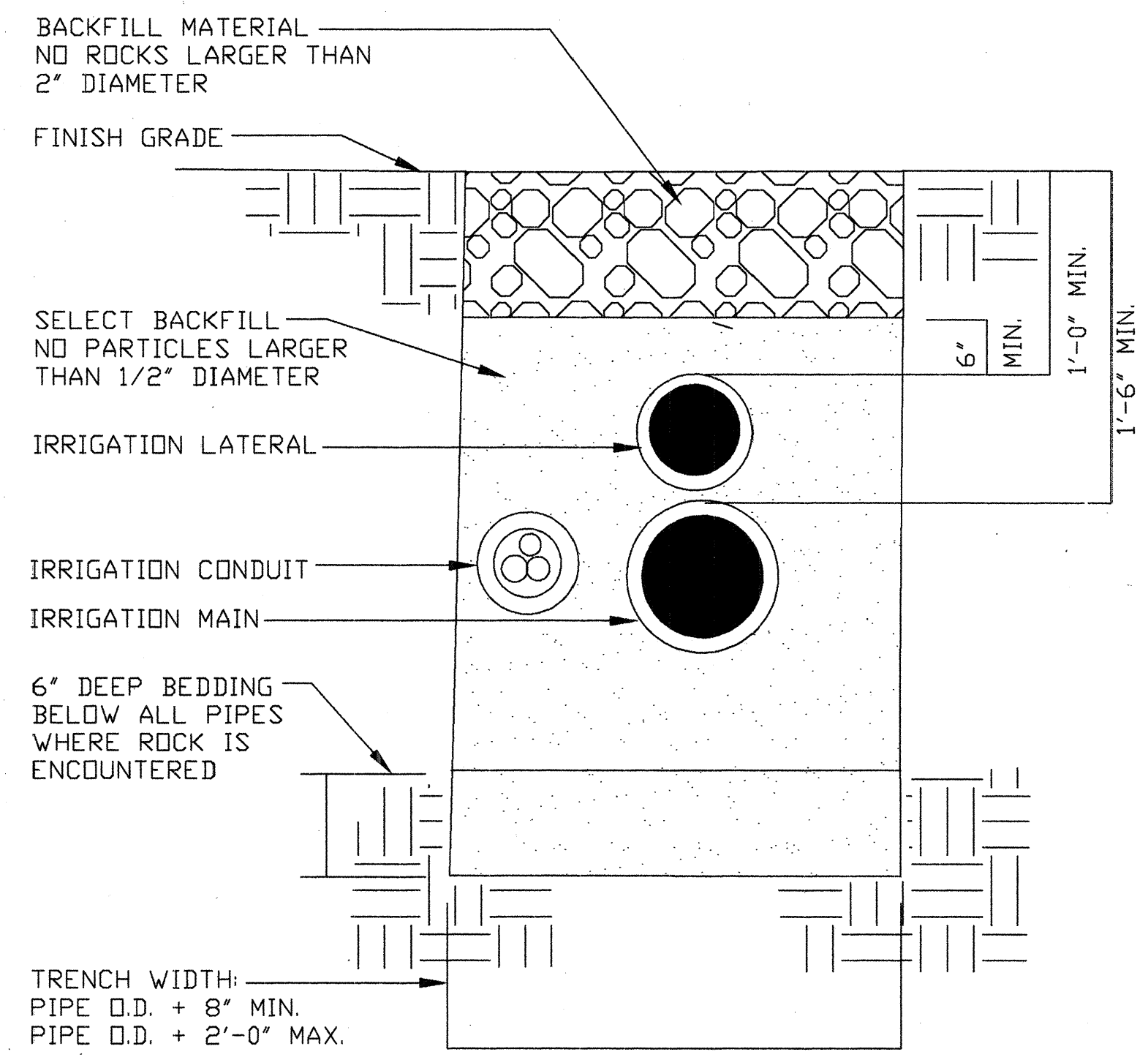


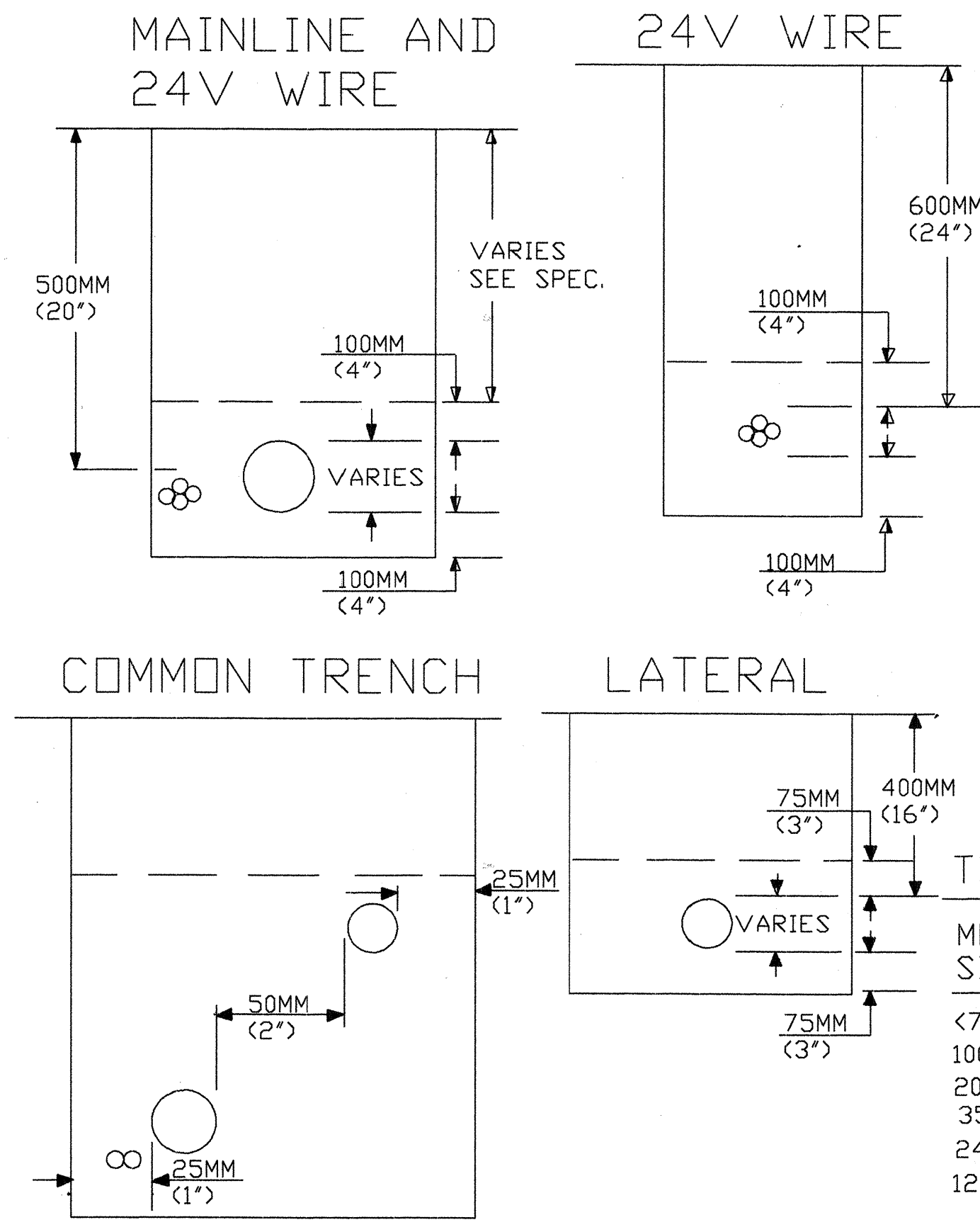
**RAIN SENSOR DETAIL**

No Scale



**DRIVEWAY & SIDEWALK CROSSING DETAIL**

No Scale



**TRENCH DETAIL (NON-DRIP ONLY)**

No Scale

BACKFILL SHALL BE INSTALLED IN LIFTS AS INDICATED, BUT NOT EXCEEDING 150MM (6") AND COMPACTED FIRMLY AROUND THE PIPE.

INSTALL ALL PIPE PER MANUFACTURER'S RECOMMENDATIONS AND ASTM STANDARD D 2774

INSTALL ALL 120V/240V WIRING PER LOCAL CODES AND SPECIFICATIONS.

MIN. TRENCH WIDTH DETERMINED BY MAINTAINING A MIN. OF 25MM (1") ON BOTH SIDES OF PIPE. COMMON TRENCH REQUIRES A MIN. OF 50MM (2") ON BOTH SIDES OF PIPE. COMMON TRENCH REQUIRES A MIN. OF 50MM (2") SEPERATION BETWEEN PIPES AS DETAILED.

INSTALL ALL COMMUNICATION AND COMPUTER SIGNAL WIRE PER MANUFACTURER'S SPECIFICATIONS.

TAPE A LOOSE 500MM (18") LOOP IN ALL WIRING AT ALL DIRECTIONAL CHANGES GREATER THAN 30 DEGREES. UNTAPE AFTER ALL CONNECTIONS ARE COMPLETED.

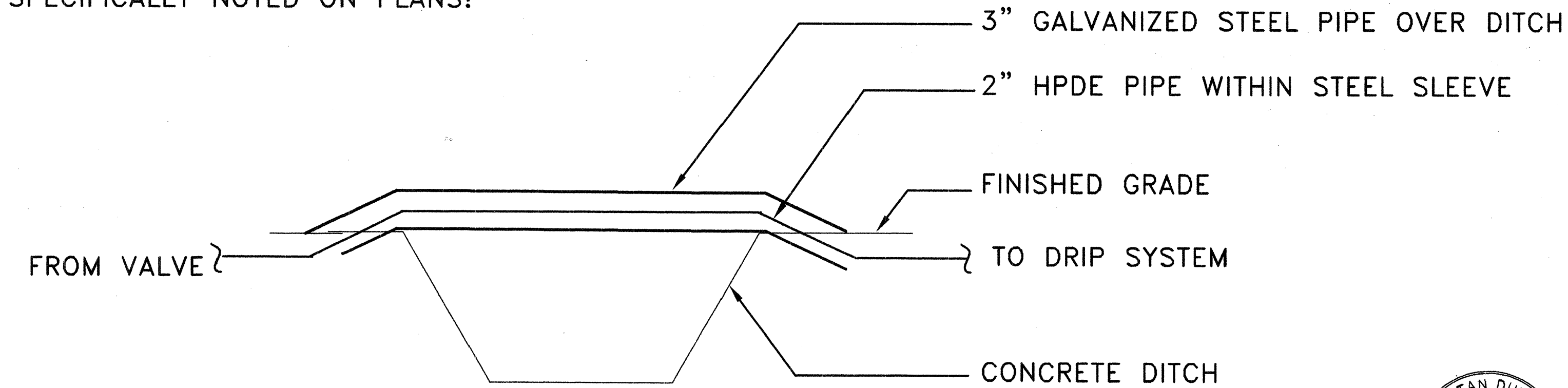
TAPE AND BUNDLE ALL WIRE AT 3 METER (10'-0") MAXIMUM INTERVALS.

INSTALL ALL 24 V. WIRE BY DIRECT BURIAL.

**TRENCH DEPTH OF COVER CHART**

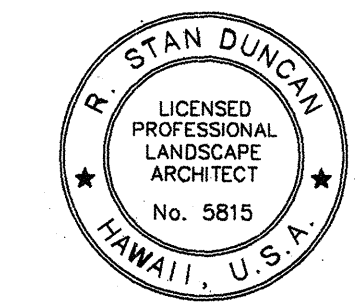
METRIC SIZE	DEPTH OF COVER (MIN. COVER OVER PIPE)	IPS SIZE
<75MM	400MM (16")	<3"
100-150MM	600MM (24")	4"-6"
200-300MM	750MM (30")	8"-12"
350	900MM (36")	14"
24V WIRING	450MM (18")	
120V/240V WIRING	600MM (24")	

NOTE: IRRIGATION CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL SLEEVES AND CONDUITS AS SHOWN OR AS REQUIRED UNLESS SPECIFICALLY NOTED ON PLANS!



**SLEEVE/RACEWAY OVER CONCRETE DITCH**

No Scale



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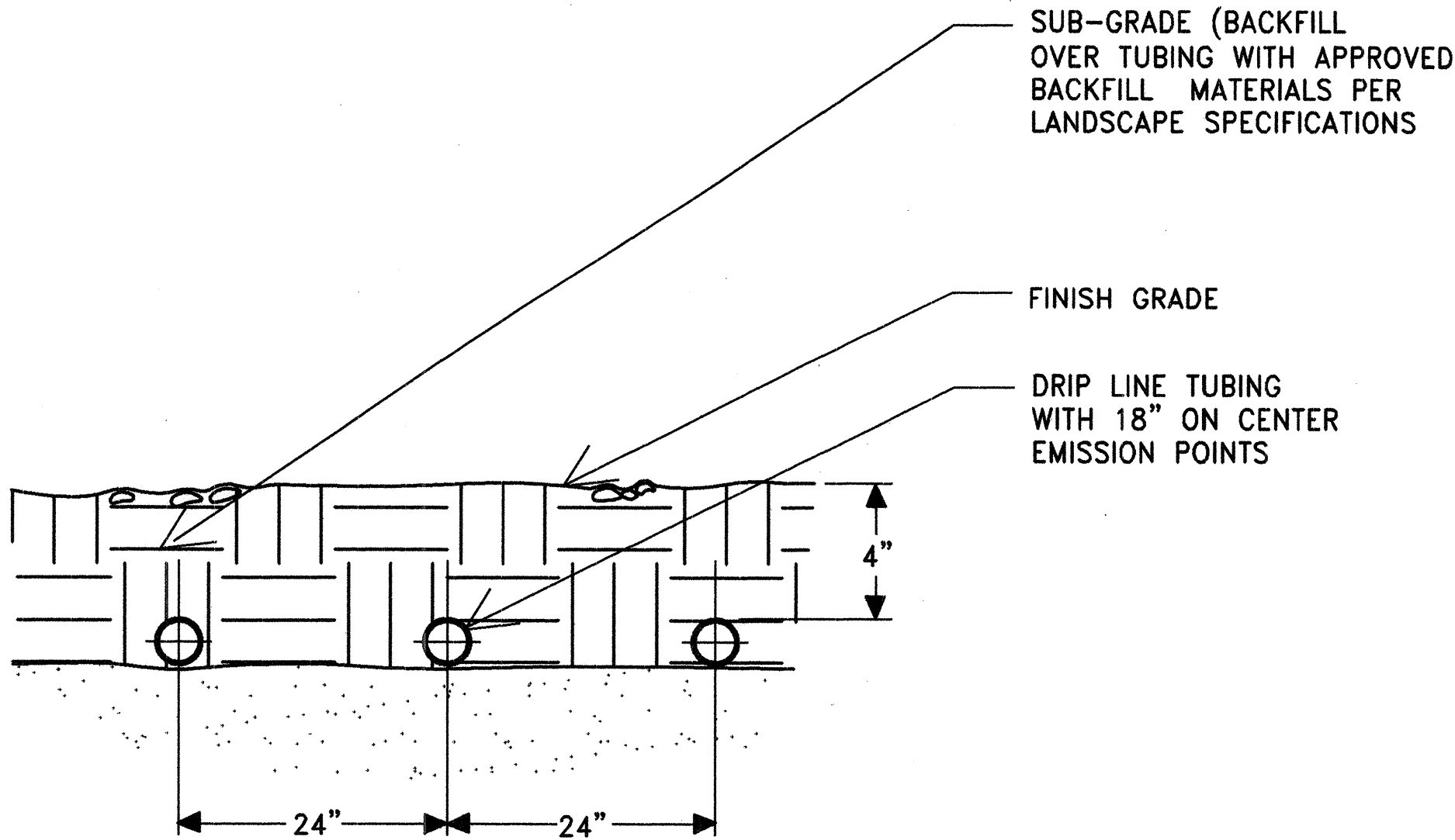
**LANDSCAPE IRRIGATION DETAILS**

**LIHUE GATEWAY LANDSCAPE BEAUTIFICATION PROJECT**

SCALE: No Scale DATE: July 31, 1998

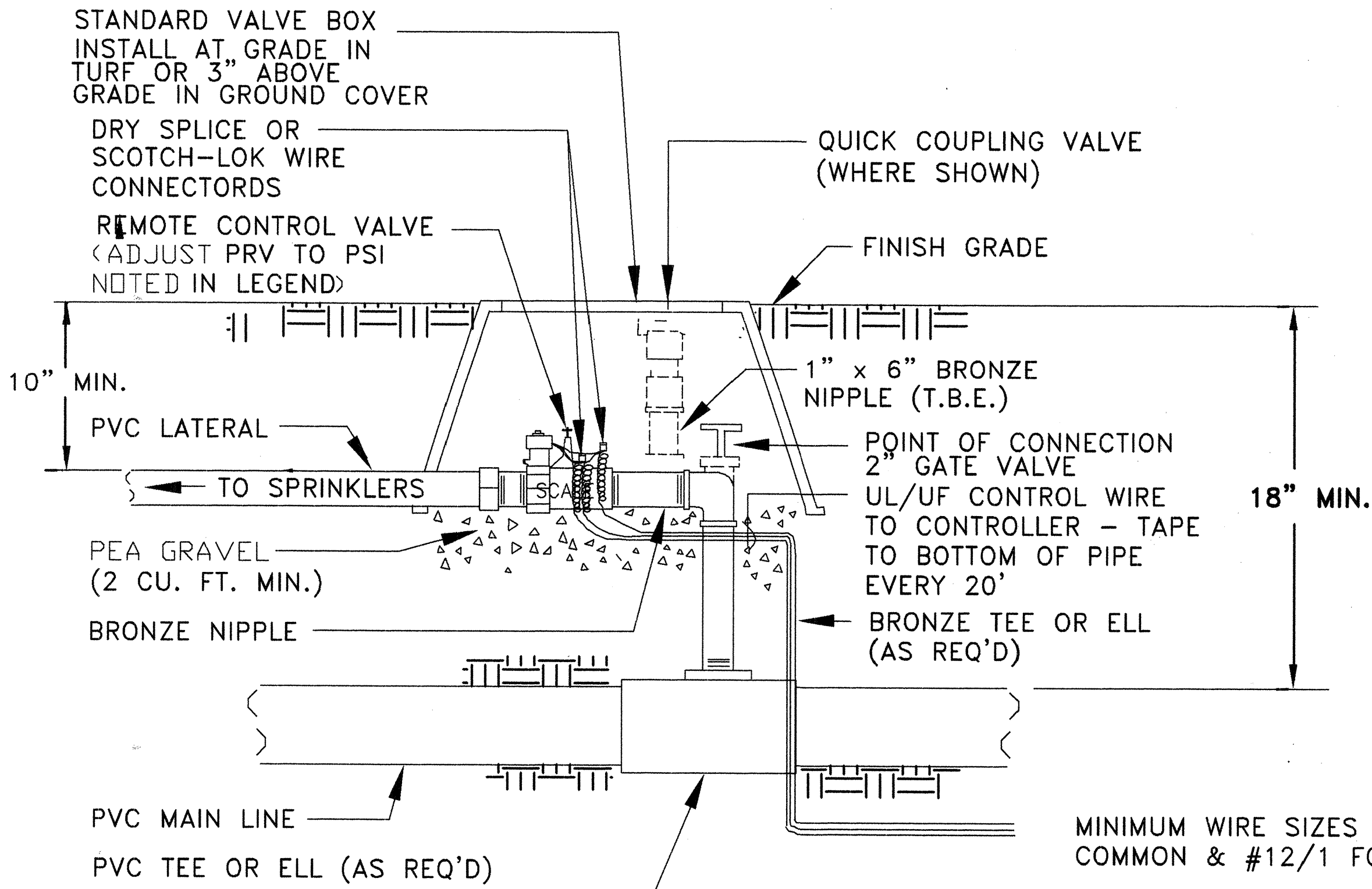
SHEET No. LI2-01 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(43)	1998	84	141



SUBGRADE DETAIL  
(FLAT – NO SLOPE)

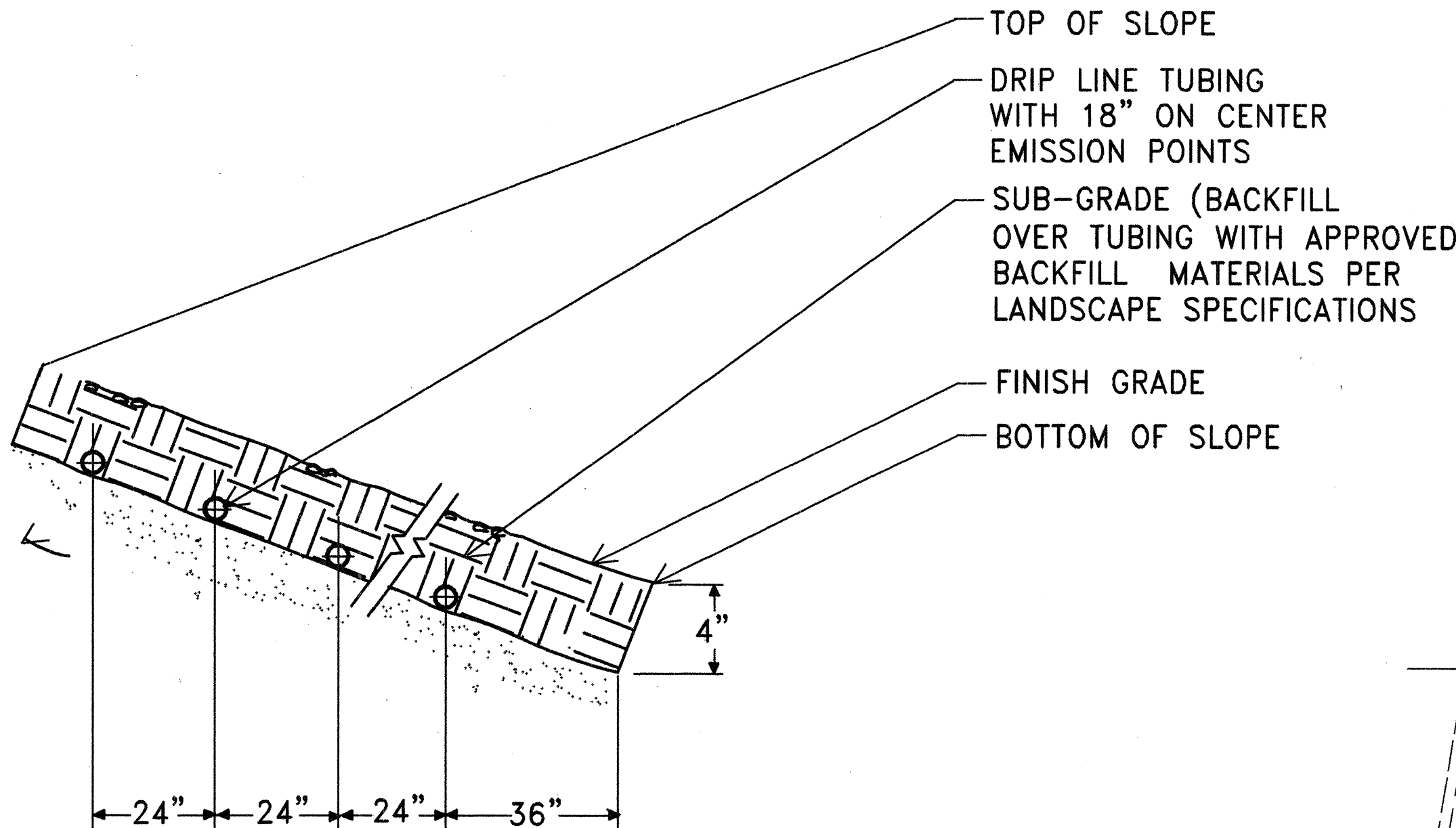
NO SCALE



REMOTE CONTROL VALVE DETAIL

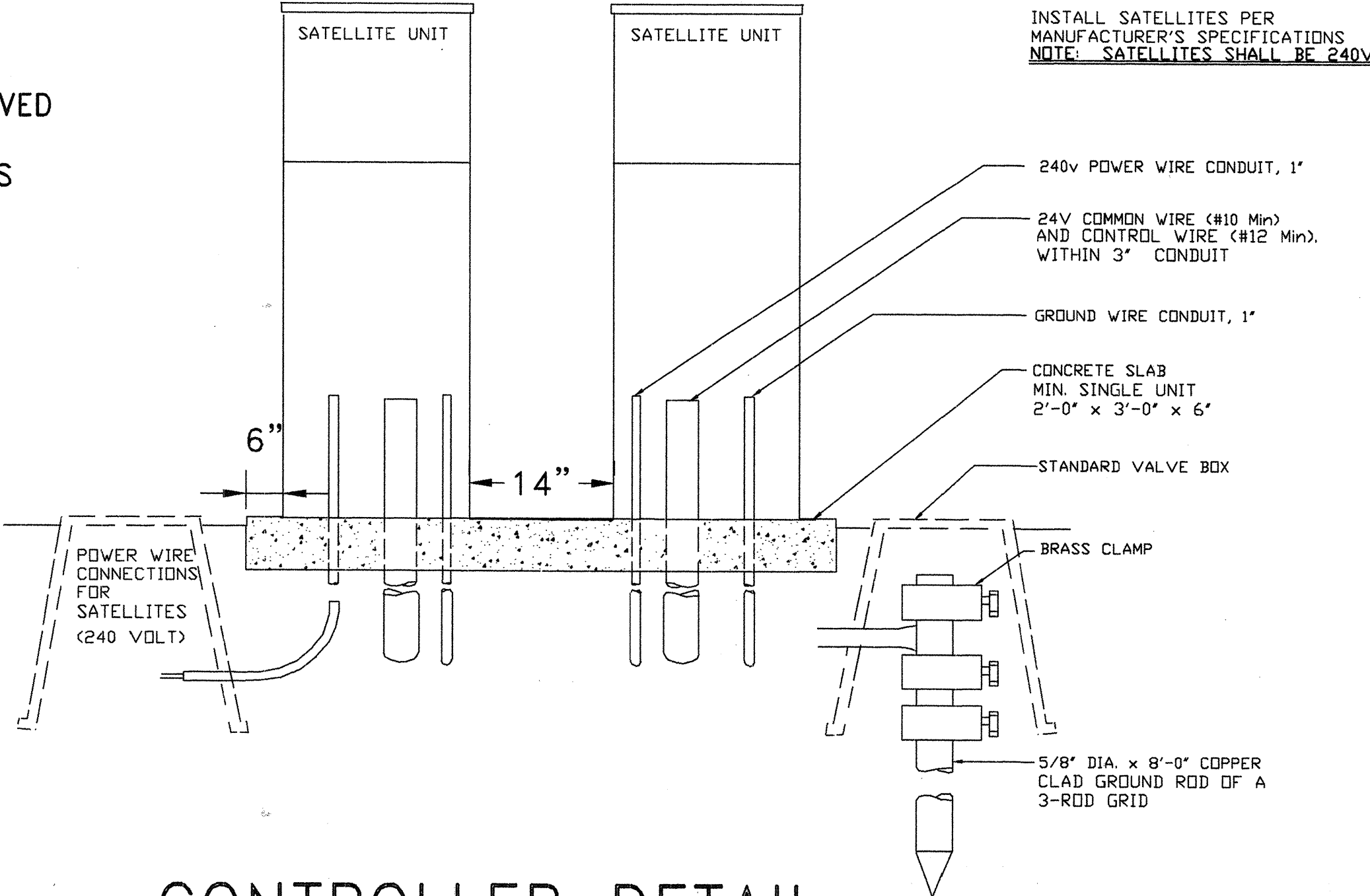
NO SCALE

MINIMUM WIRE SIZES SHALL BE #10/1 FOR COMMON & #12/1 FOR CONTROL WIRES



SUBGRADE DETAIL  
(SLOPE)

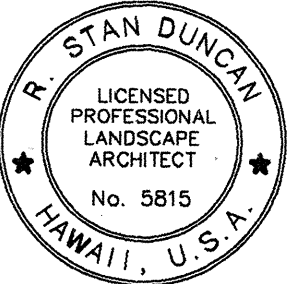
NO SCALE



CONTROLLER DETAIL

NO SCALE

DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
NOTED BY	DATE
REVISIONS	



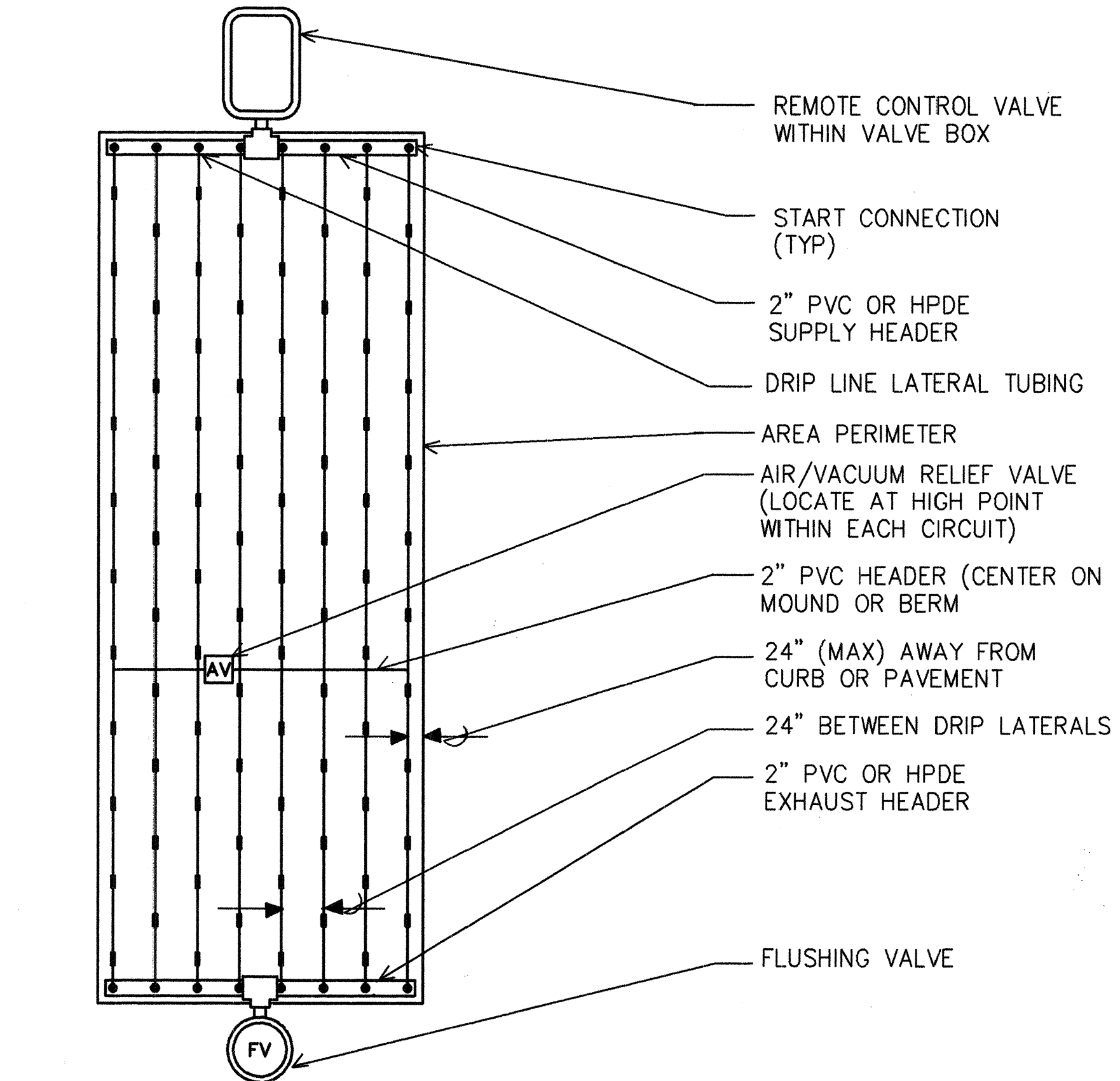
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DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

LANDSCAPE IRRIGATION DETAILS  
  
**LIHUE GATEWAY LANDSCAPE  
BEAUTIFICATION PROJECT**

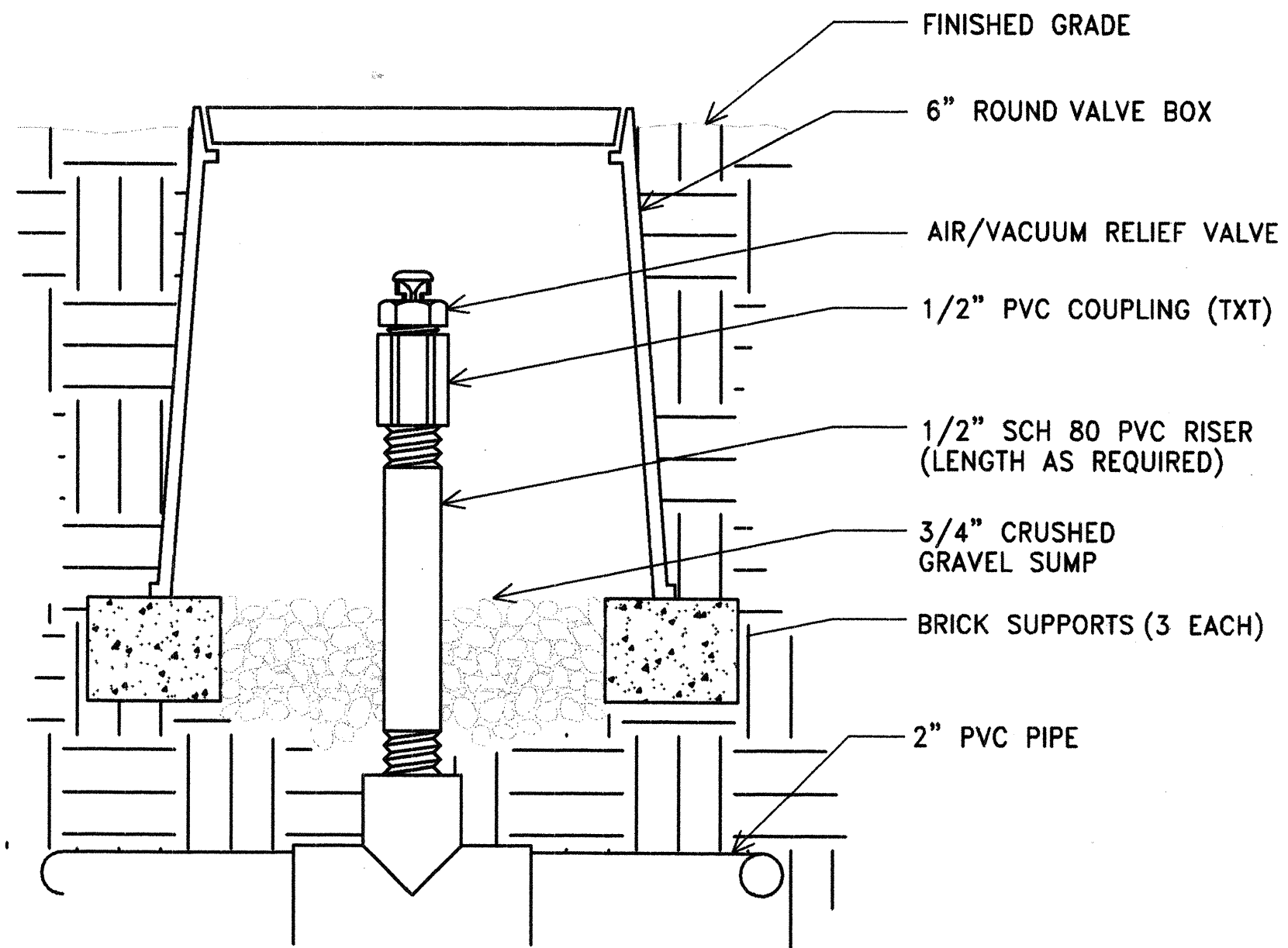
SCALE: No Scale  
DATE: July 31, 1998  
SHEET No. LI2-03 OF 5 SHEETS





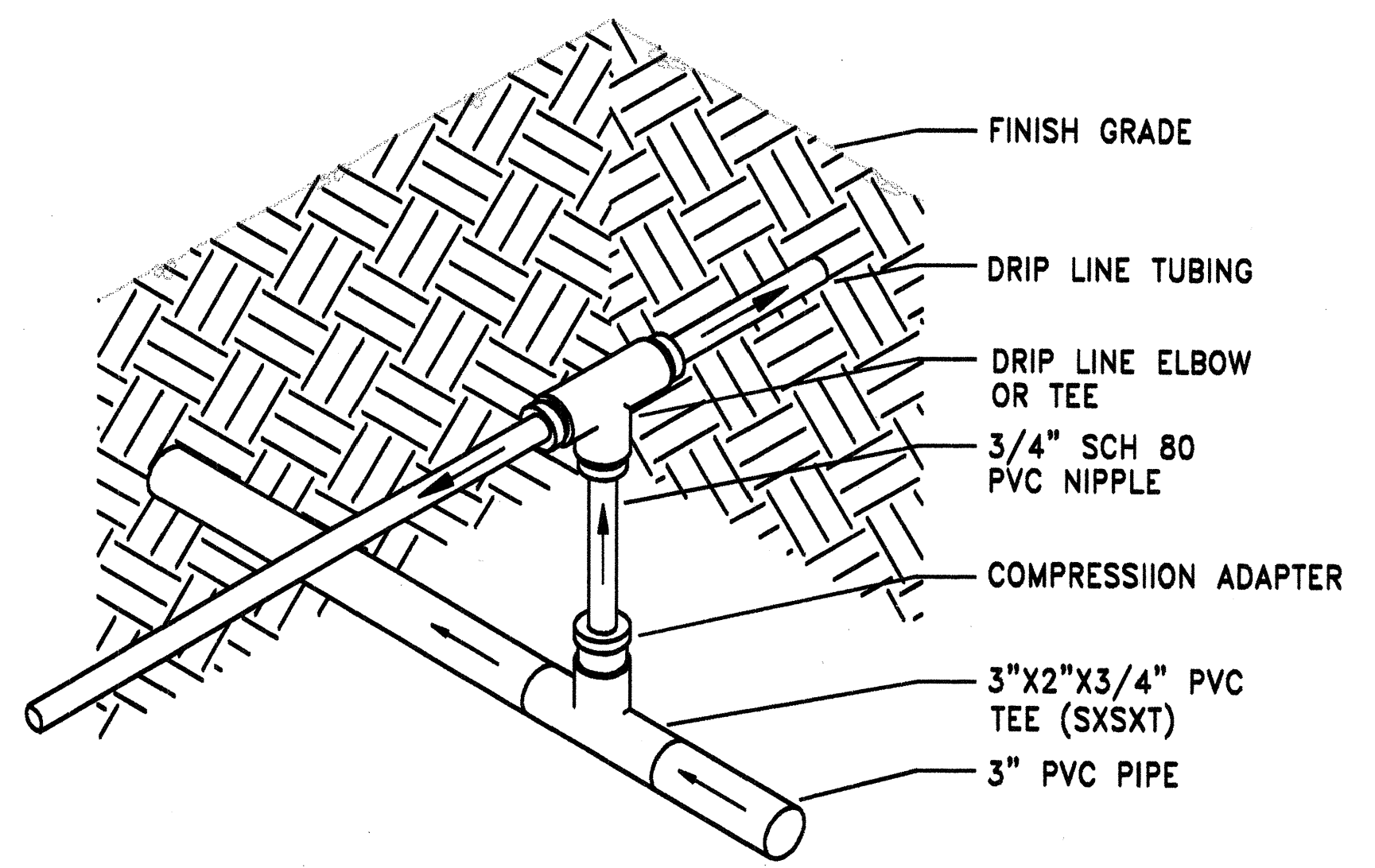
END FEED LAYOUT

SCALE



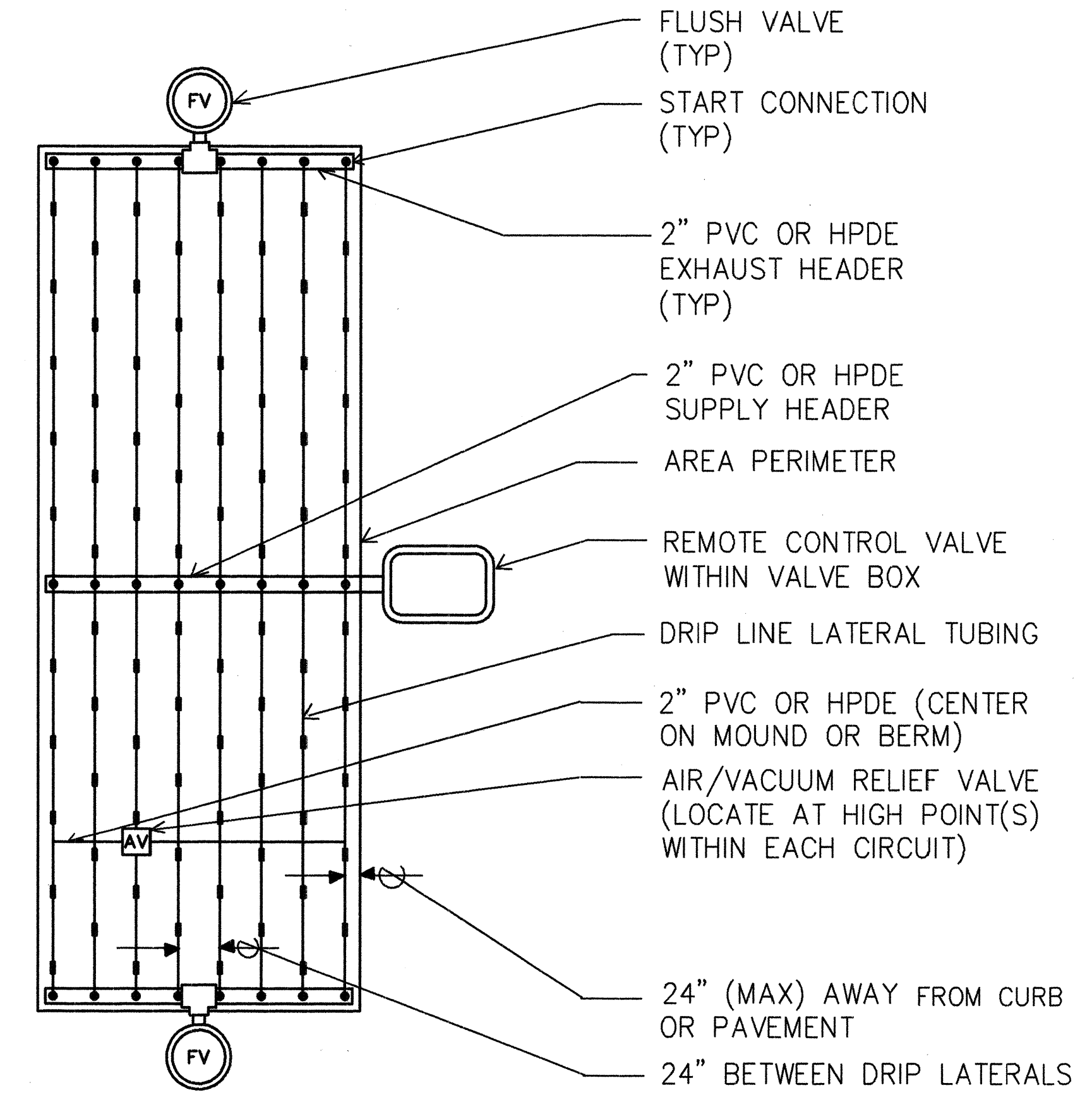
AIR/VACUUM RELIEF DETAIL

SCALE



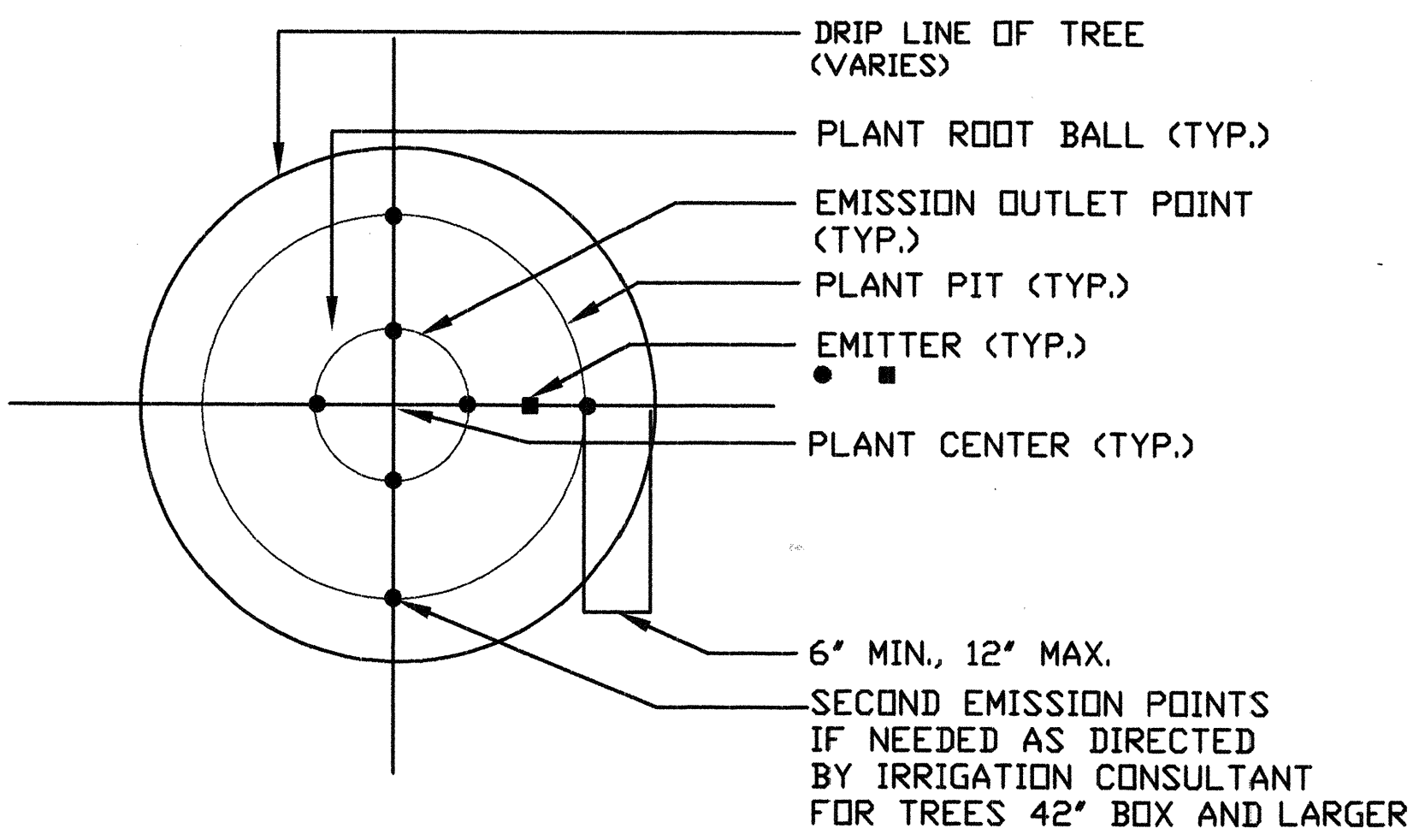
START CONNECTION DETAIL

SCALE



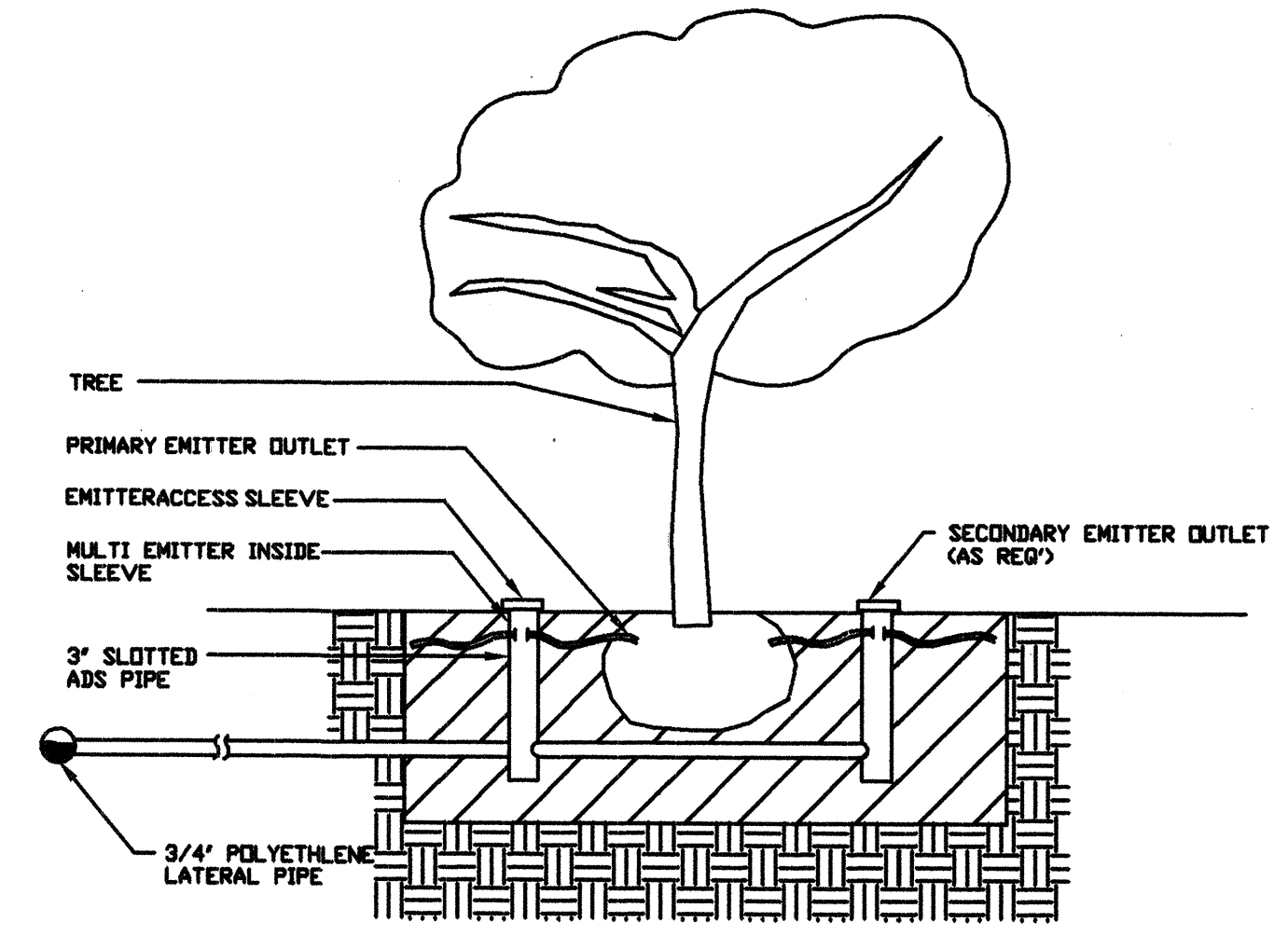
CENTER FEED

SCALE



TREE EMITTER DETAIL

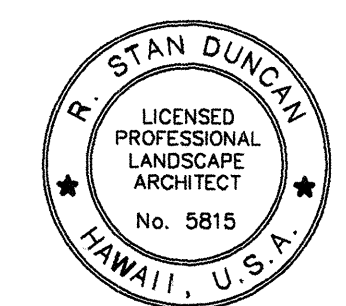
SCALE



ELEVATION VIEW

DRIP LINE	DISTANCE FROM TRUNK		EMITTER TYPE
	1st EMIT TUBE	2nd EMIT TUBE	
1 GAL.	12"	--	4-1 GPM
24"	18"	--	4-1 GPM
30"	21"	--	4-1 GPM
36"	24"	--	4-1 GPM
42"	12"	27"	8-1 GPM
48"	12"	30"	8-1 GPM
54"	15"	33"	8-1 GPM
60"	18"	36"	8-1 GPM
72"	20"	42"	8-1 GPM

DESIGNED BY  
CHECKED BY  
DATE  
PROJECT NO.  
SHEET NO.



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DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

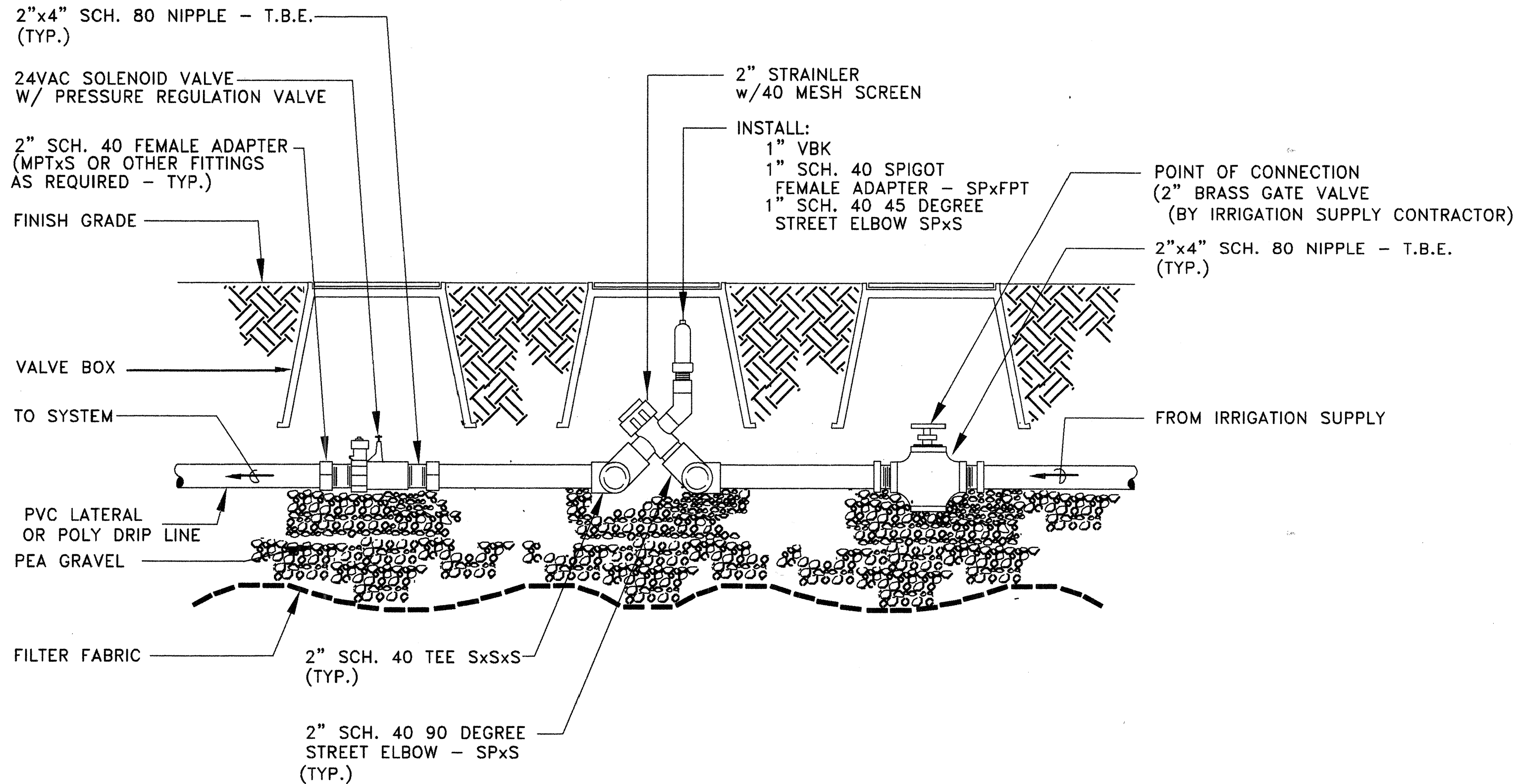
LANDSCAPE IRRIGATION DETAILS

**LIHUE GATEWAY LANDSCAPE BEAUTIFICATION PROJECT**

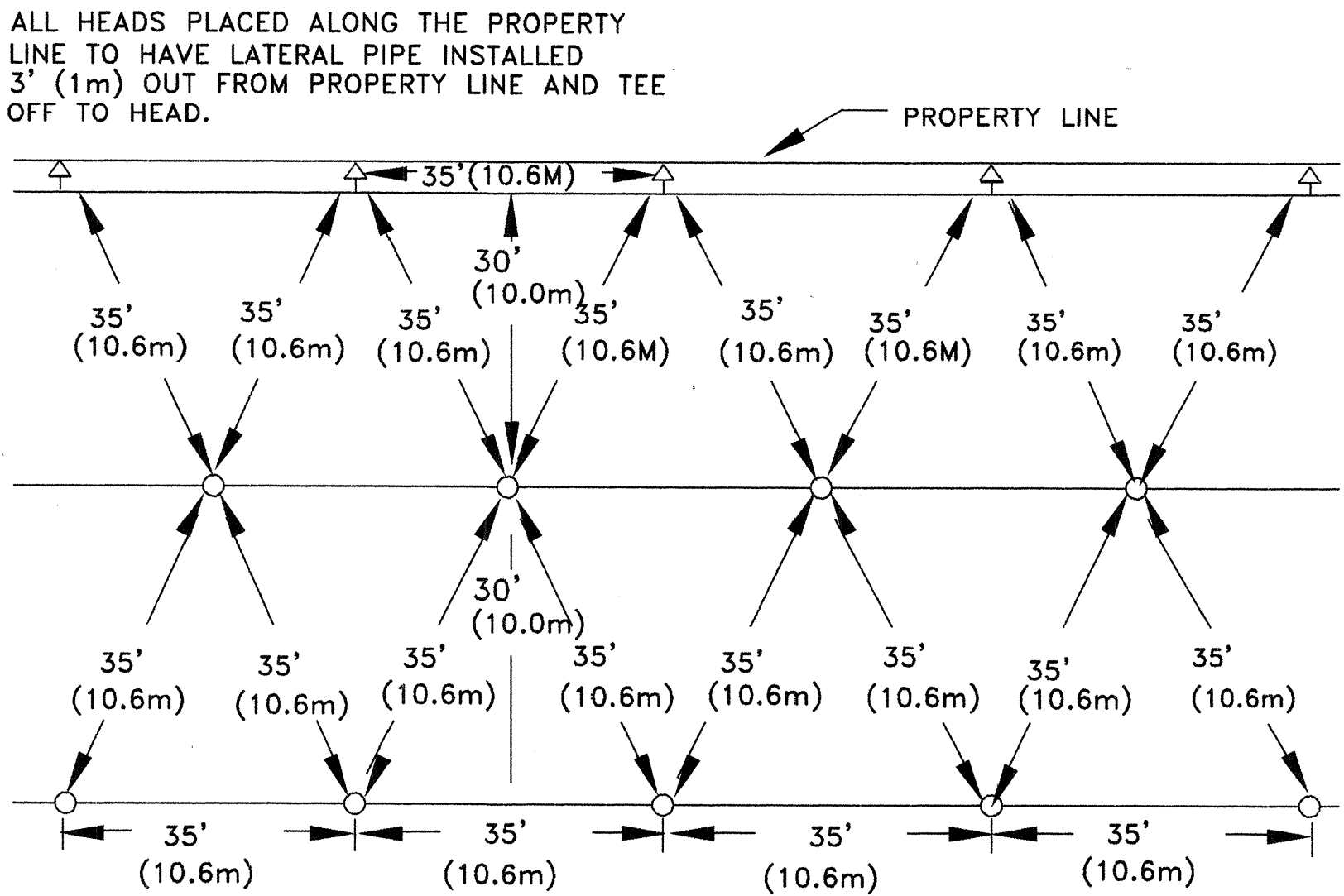
SCALE: No Scale      DATE: July 31, 1998

SHEET No. LI2-03      OF 5 SHEETS

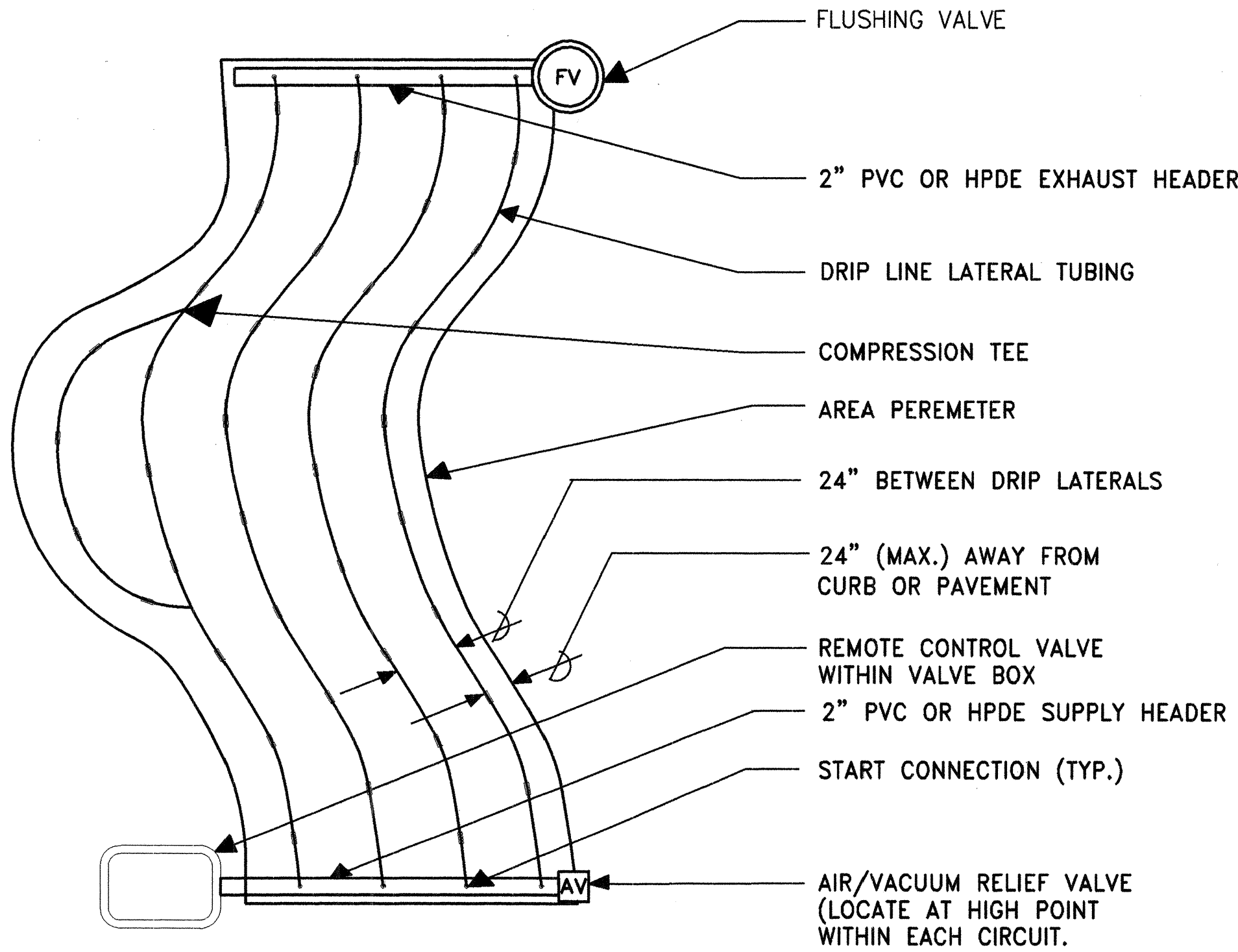
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(43)	1998	86	141



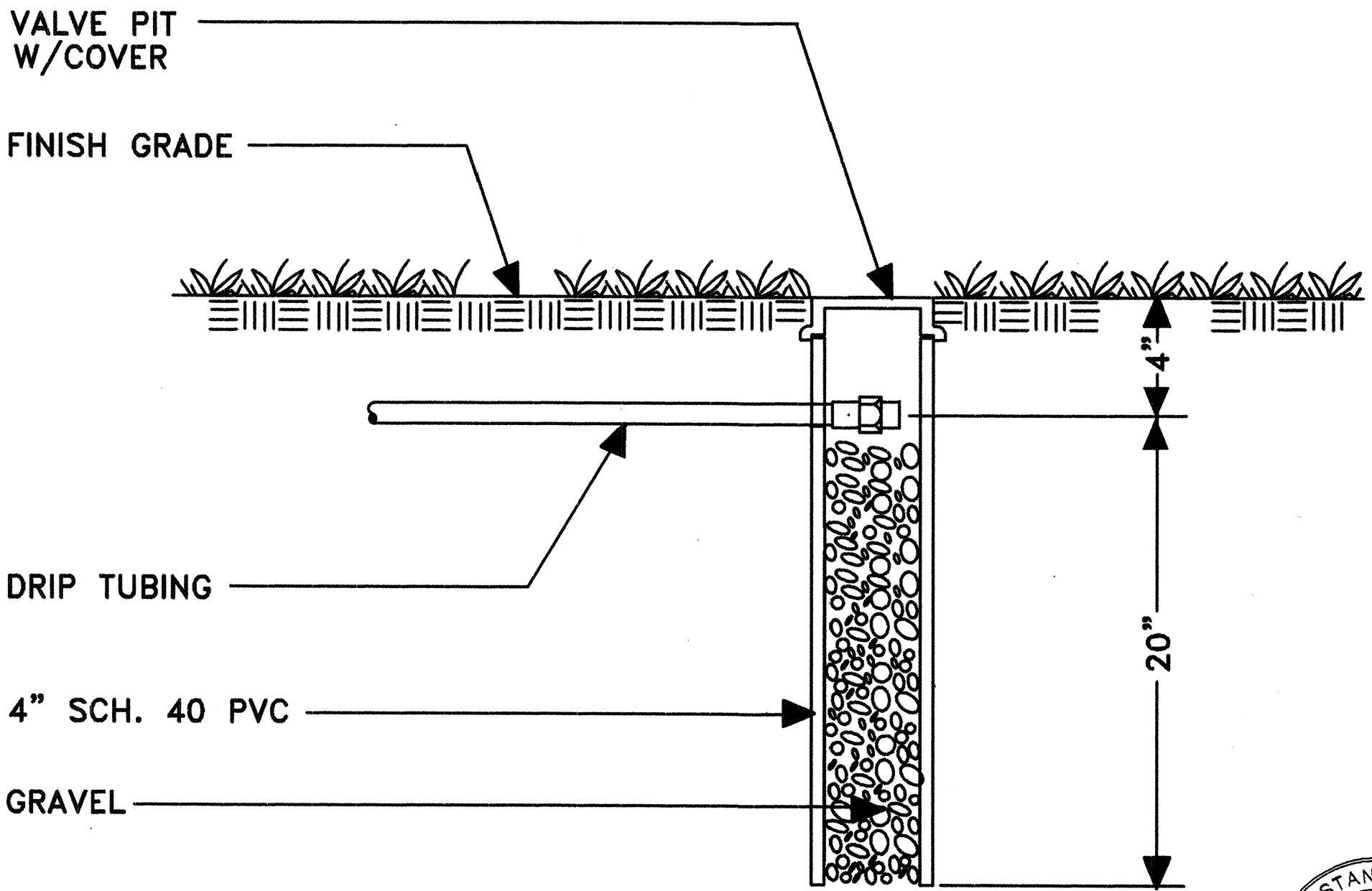
POINT OF CONNECTION DETAIL  
NO SCALE



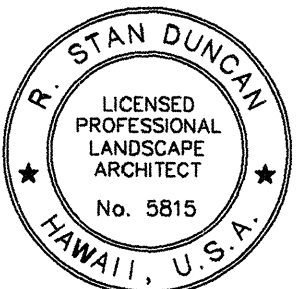
TEMPORARY IRRIGATION SPACING DETAIL  
NO SCALE



IRREGULAR LAYOUT DETAIL  
NO SCALE



FLUSH VALVE DETAIL  
NO SCALE



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LANDSCAPE IRRIGATION DETAILS

LIHUE GATEWAY LANDSCAPE  
BEAUTIFICATION PROJECT

SCALE: No Scale DATE: July 31, 1998  
SHEET No. LI2-04 OF 5 SHEETS