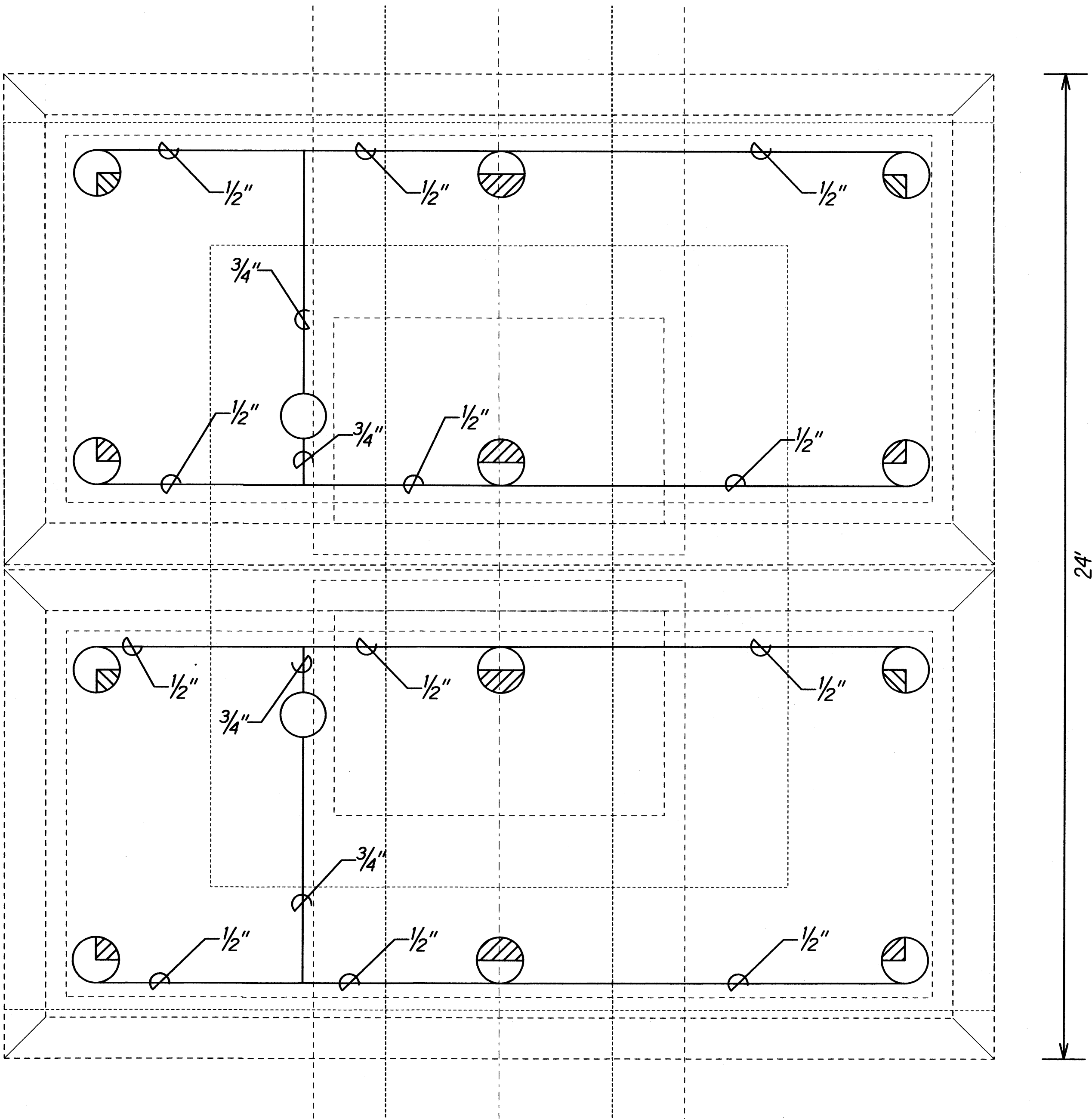


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIGH-01-10M	2010	13	13

IRRIGATION NOTES:

- Contractor shall remove existing irrigation sprinkler heads, piping to PVC tee & install new flex risers and sprinkler heads per specifications. Existing sprinklers are derived from the best available information and on-site inspection.
- This plan is diagrammatic. Irrigation system is subject to field adjustments due to unanticipated site conditions. Locate all mainlines, laterals, valves and sprinklers heads within planting areas, unless otherwise noted. Place mainline in planting areas where no sleeves are shown. Avoid any conflict between underground utilities, structures and plantings. The Contractor shall be responsible for locating and protecting all existing utilities. Bury pressure mainlines 18" and lateral lines 10" deep minimum.
- This irrigation system was designed with a minimum static water pressure of 75 psi at the point of connection. Notify the Project Engineer, if water pressure is less than psi or greater than 50 psi.
- Contractor shall secure all necessary permits and observe all local codes and regulations. The Contractor shall confirm all sites dimensions and conditions, and report any discrepancies to the Engineer.
- Within 30 days after award of the contract, submit for the Engineer's acceptance samples of materials.
- Perform hydrostatic test by applying continuous static pressure of 60 psi for one (1) hour. Notify the Engineer at least three (3) days in advance of test. Repair leaks that develop and repeat test. Do not backfill until there is no further sign of leakage.
- Perform operability test by opening remote control valve and test circuits for leaks around barbed and threaded pvc fittings. Repair leaks and repeat tests. Notify the Engineer at least three (3) days in advance of test. Do not backfill until there is no further sign of leakage.
- Perform coverage test. Before planting period, run automatic controller through all it's cycles. Check watering for coverage and uniformity in company of the Engineer. Run suspter until there are puddles or there is sheet flow to determine initial irrigation time and number of cycles per week needed to water requirements of plants.
- If plans do not specify depth of excavation, provide minimum cover to finish grade as follows.
  - 4 inches for drip irrigation main.
  - 18 inches for irrigation main.
  - 10 inches for irrigation lateral.
  - 24 inches for sleeve or conduit under landscape pavement.
  - 36 inches for sleeve or conduit under roadway pavement.
  - For controller wires and conduits in unpaved areas, depth equal to that pressure irrigation pipe.



TYPICAL IRRIGATION DETAIL\*

\*This drawing is schematic in nature. Actual conditions vary and adjustments in the field will be necessary.  
Planters 63 through 67 are smaller than typical planter.  
Scale: 1/2" = 1'-0"

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**IRRIGATION NOTES & TYPICAL DETAIL**  
**INTERSTATE ROUTE H-1 LANDSCAPING**  
**Valkenburgh Street to Dillingham Ramp**  
**Project No. HIGH-01-10M**  
Scale: 1/2" = 1'-0"      Date: Oct, 2009  
SHEET No. 1 OF 1 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
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