

28

TRAFFIC SIGN LEGEND

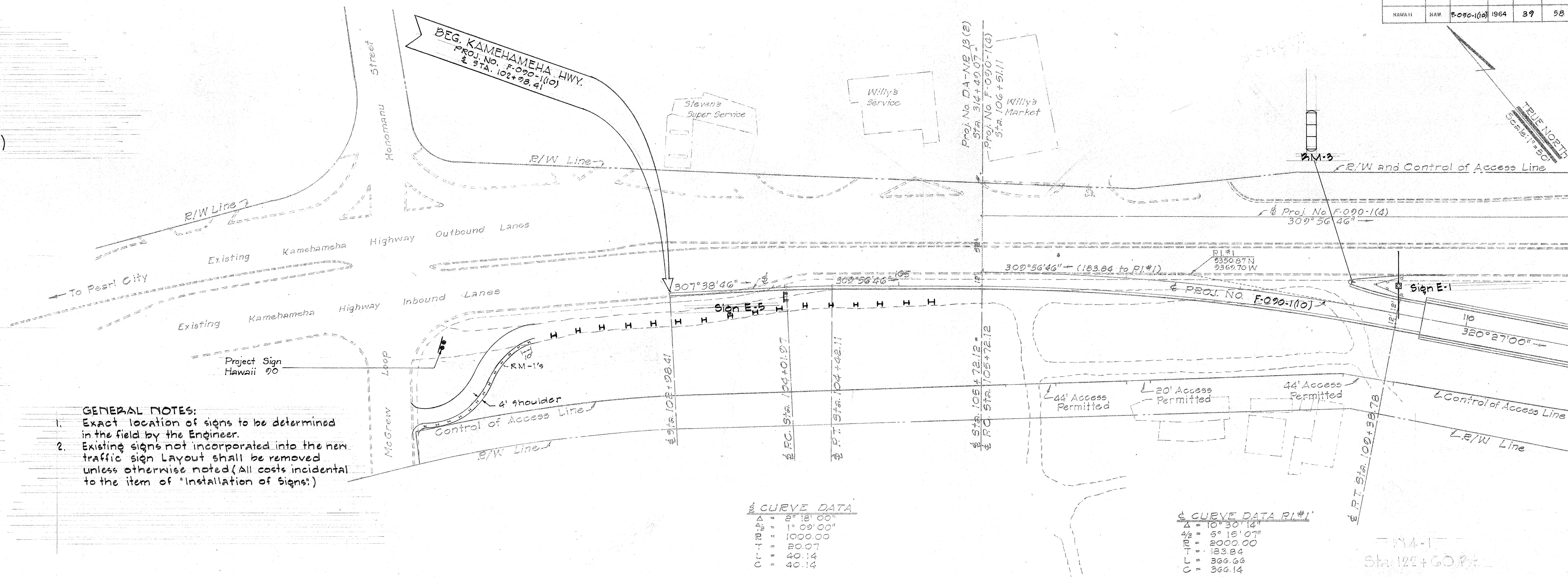
- b Sign mounted on galvanized iron pipe
- r Reflectorized markers
- E Ground mounted Expressway Sign
- q Overhead Expressway Sign (two signs)
- H Reflectorized Markers (bi-directional)

SUMMARY OF NEW REGULATORY AND WARNING SIGNS AND REFLECTOR MARKERS AREA INTERCHANGE PROJECT NO. F-090-1(10)

TYPE	DESCRIPTION	AMOUNT
M4-1	MERGING TRAFFIC	1
RM-3	REFLECTOR MARKER	1
RM-1	REFLECTOR MARKER (BI-DIRECTIONAL)	13
TOTAL		15

GENERAL NOTES:

- Exact location of signs to be determined in the field by the Engineer.
- Existing signs not incorporated into the new traffic sign layout shall be removed unless otherwise noted (All costs incidental to the item of "Installation of Signs")



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-090-1(10)	1964	39	58

PLAN	DATE	BY
SURVEYED		
NOTED		
NO.		

PROFILE	DATE	BY
SURVEYED		
NOTED		
NO.		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

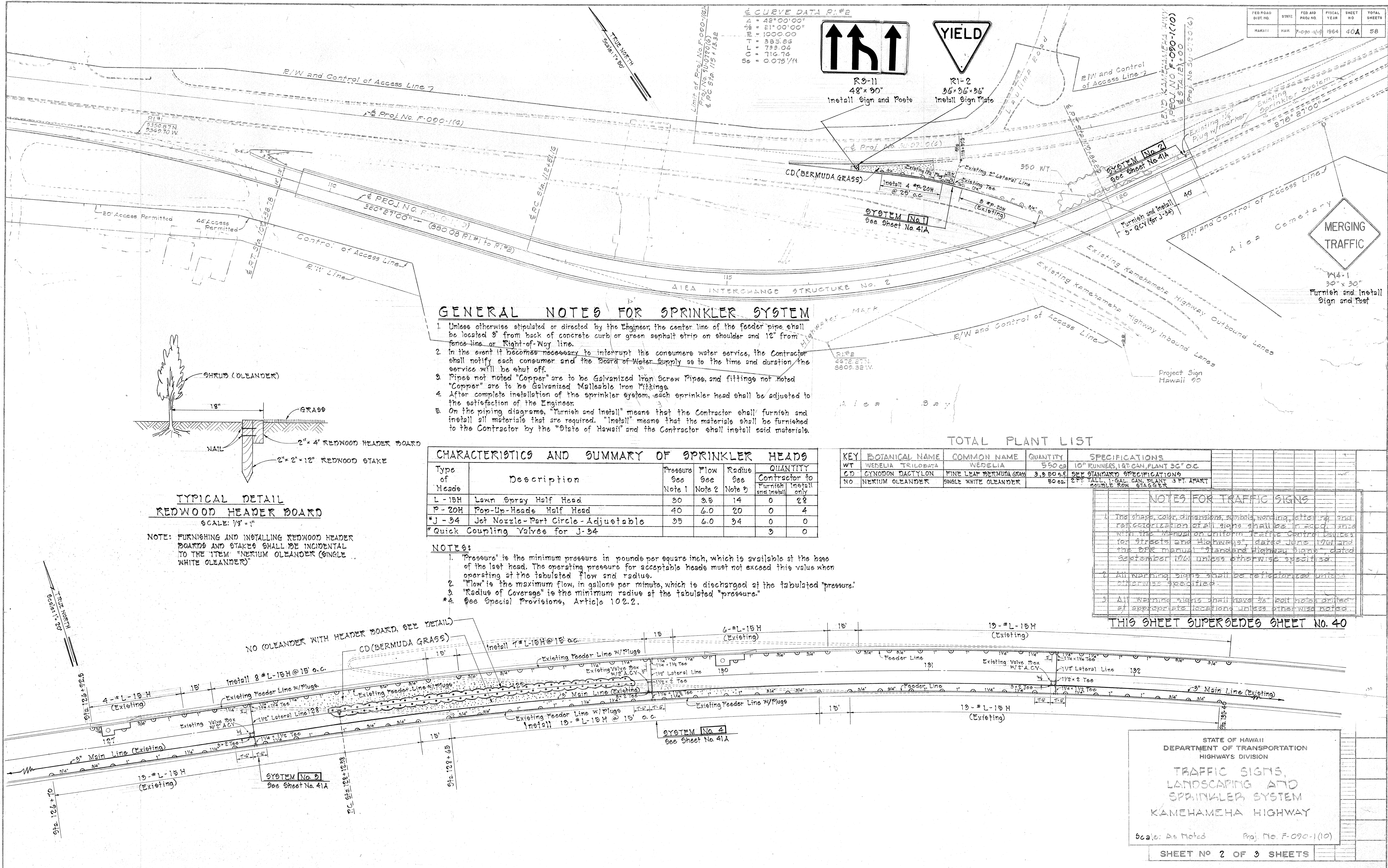
TRAFFIC SIGNS,
LANDSCAPING AND
SPRINKLER SYSTEM
KAMEHAMEHA HIGHWAY

Scale: As Noted Proj. No. F-090-1(10)

SHEET NO. 1 OF 3 SHEETS

PLAN	DATE	BY
SURVEYED		
PLOTTED		
NOTED		
NO.		

PROFILE	DATE	BY
SURVEYED		
PLOTTED		
NOTED		
NO.		



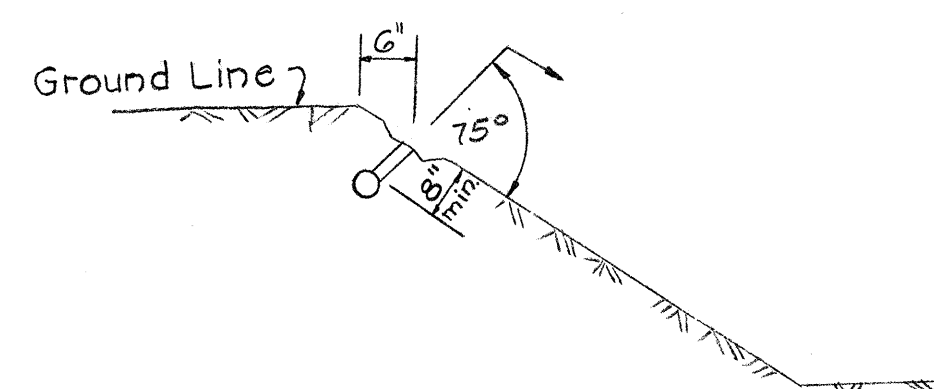
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**TRAFFIC SIGNS,
LANDSCAPING AND
SPRINKLER SYSTEM**

KAMEHAMEHA HIGHWAY

Scale: As Noted Proj. No. F-090-1(10)

SHEET NO. 2 OF 3 SHEETS

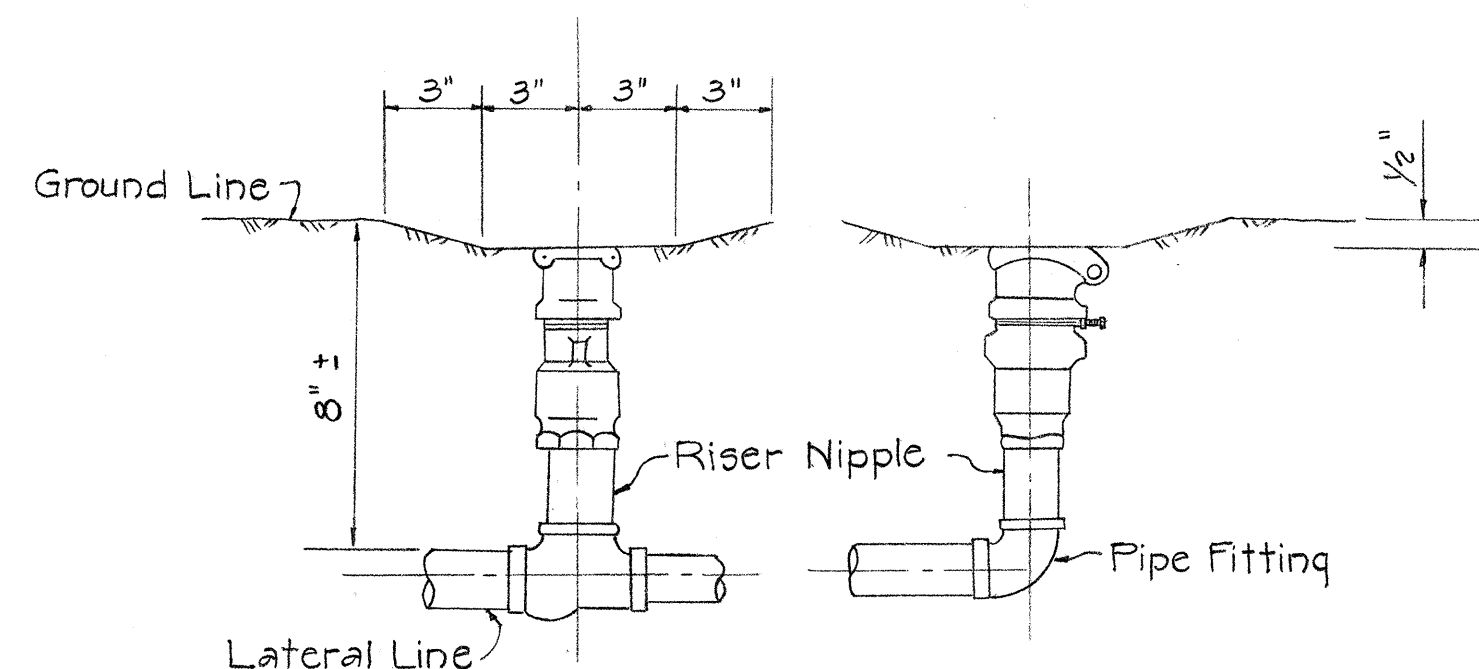


**INSTALLATION OF
QUICK COUPLING VALVES ON SLOPE**

Not to Scale

GENERAL NOTES

1. Unless otherwise stipulated or directed by the Engineer, the center line of the feeder pipe shall be located 3" from back of concrete curb or green asphalt strip on shoulder and 12" from fence line or Right-of-Way line.
2. In the event it becomes necessary to interrupt the consumers water service, the Contractor shall notify each consumer and the Board of Water Supply as to the time and duration the service will be shut off.
3. Pipes not noted "Copper" are to be Galvanized Iron Screw Pipes, and fittings not noted "Copper" are to be Galvanized Malleable Iron Fittings.
4. After complete installation of the sprinkler system, each sprinkler head shall be adjusted to the satisfaction of the Engineer.



**HINGED TOP
QUICK COUPLING VALVES**

Not to Scale

CHARACTERISTICS AND SUMMARY OF SPRINKLER HEADS

Type of Heads	Description	Pressure See Note 1	Flow See Note 2	Radius See Note 3	Quantity
* J-34	Jet Nozzle - Part Circle - Adjustable	35	6.0	34	0
* Quick Coupling Valves for J-34					4

Note:

1. "Pressure" is the minimum pressure, in pounds per square inch, which is available at the base of the last head. The operating pressure for acceptable heads must not exceed this value when operating at the tabulated flow and radius.
2. "Flow" is the maximum flow, in gallons per minute, which is discharged at the tabulated "pressure".
3. "Radius of Coverage" is the minimum radius at the tabulated "pressure".
- *4. See Special Provisions, Article 102.2.

SEE ATTACHED
SHEET 41A

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNS
LANDSCAPING AND
SPRINKLER SYSTEM

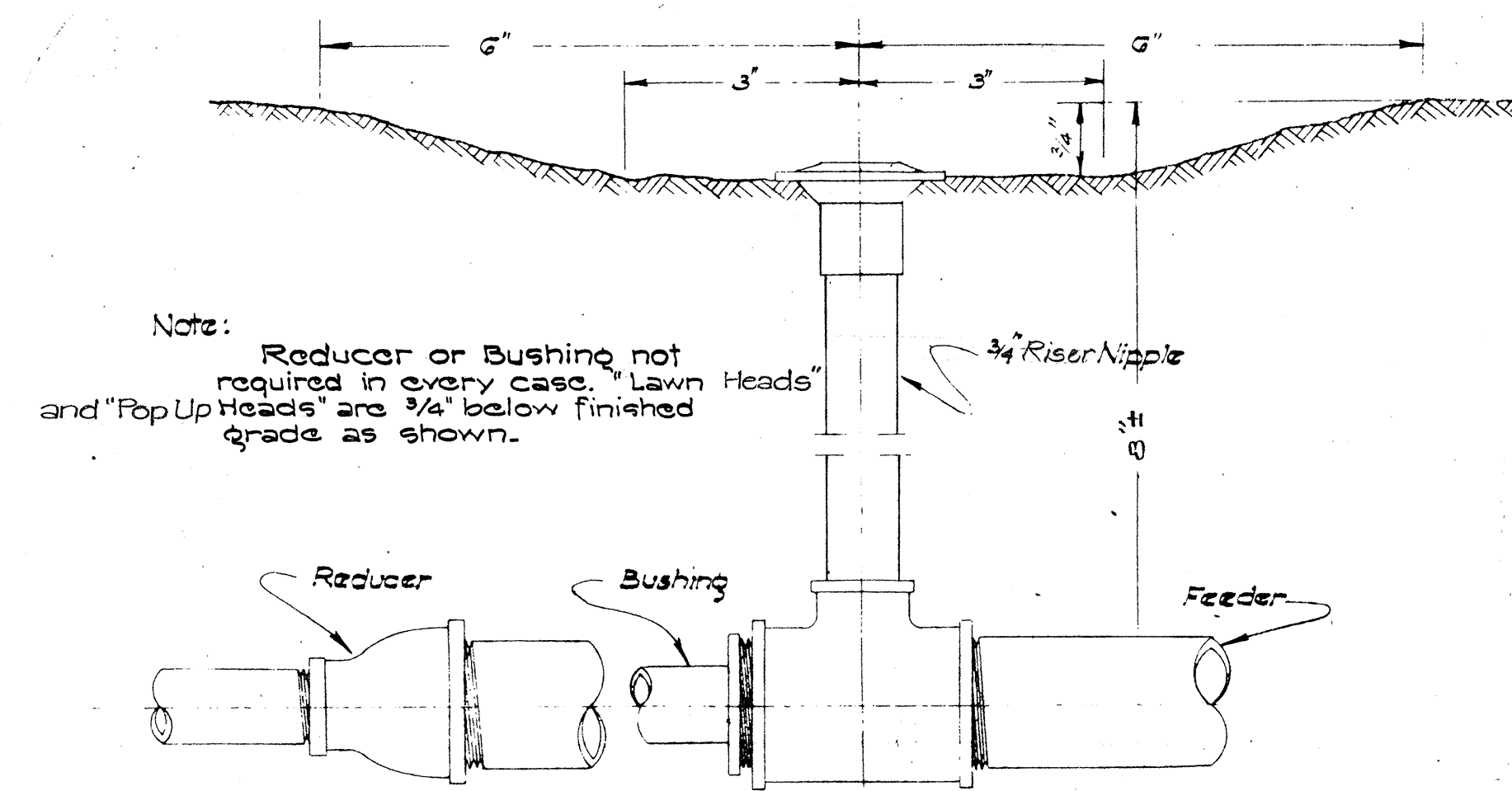
KAMEHAMEHA HIGHWAY

Scale As Noted Proj. No. F-090-1(10)

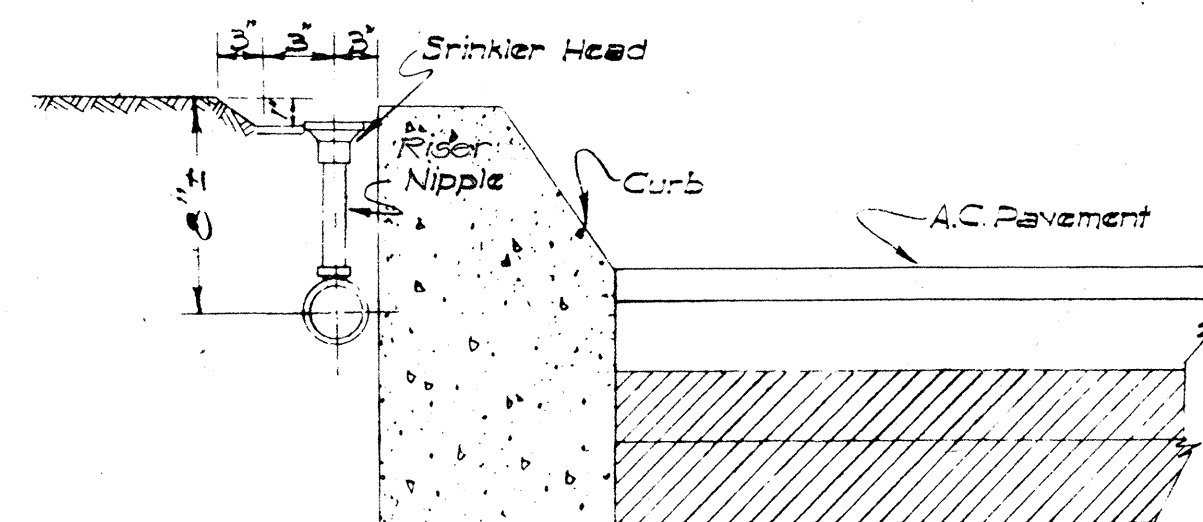
SHEET No. 3 OF 3 SHEETS

DESIGNED BY	DATE
DRAWN BY	"
CHECKED BY	"
NOTED BY	"
ORIGINAL PLAN	No.

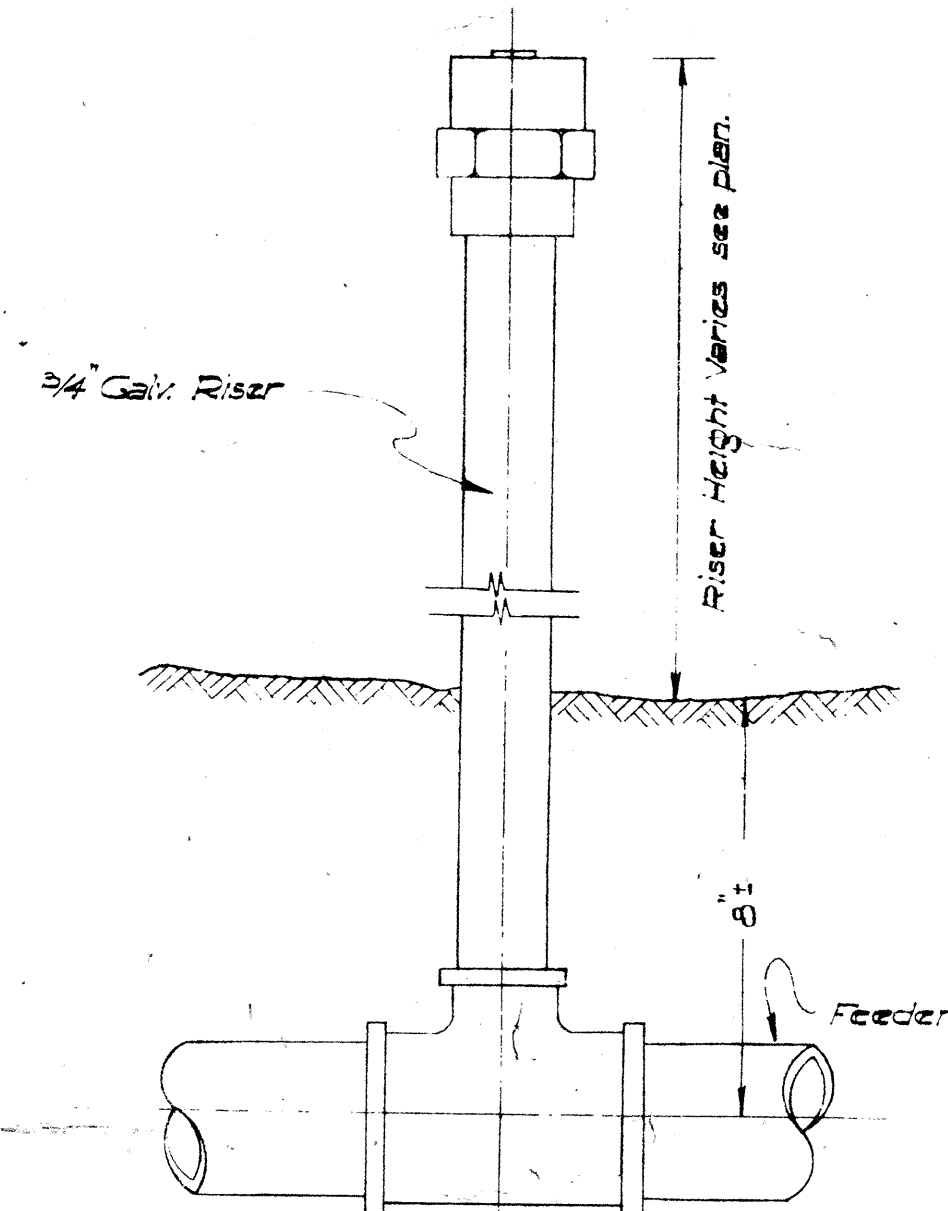
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-090-1(10)	1969	41A	58



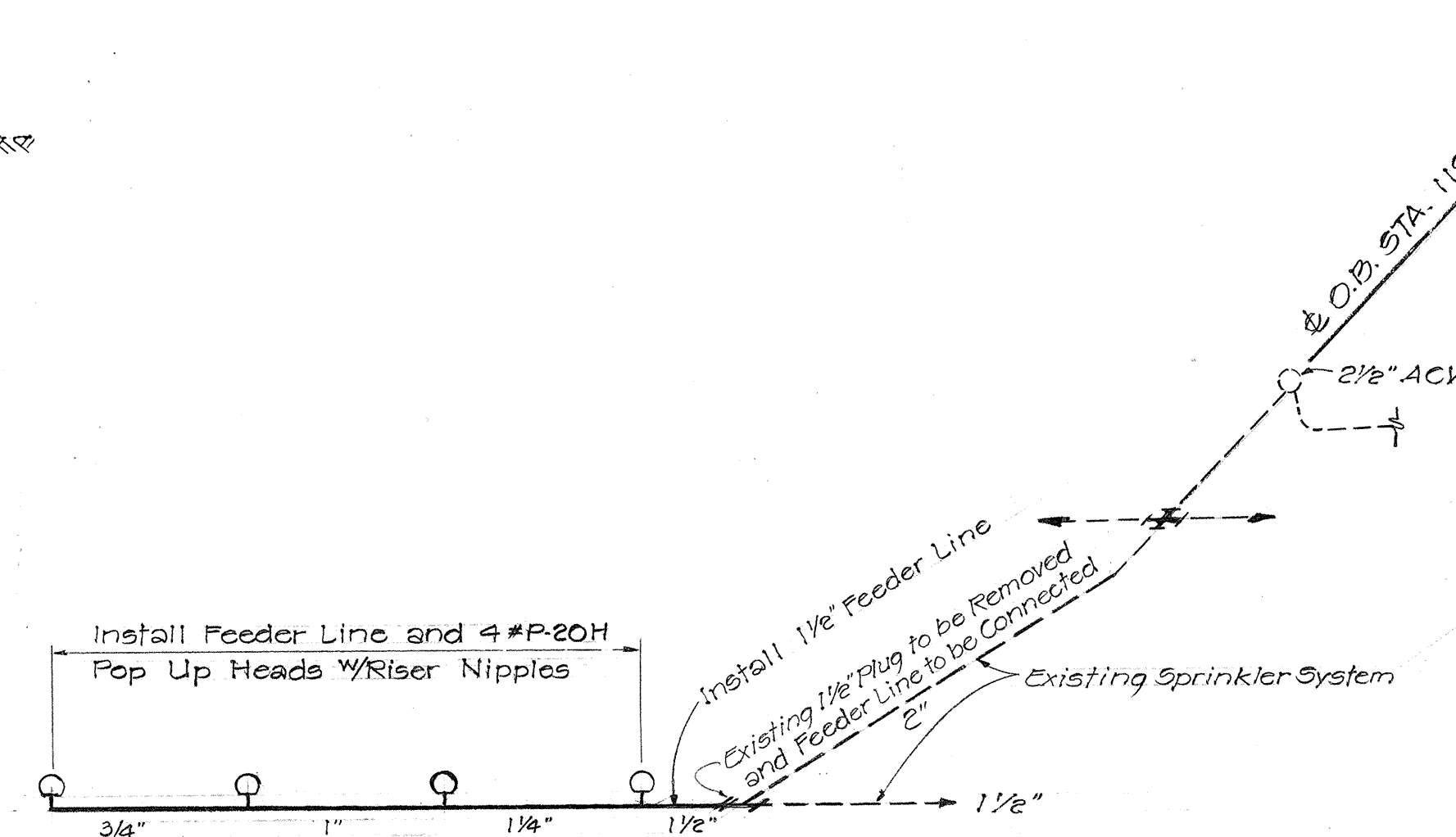
CONNECTION OF SPRINKLER HEAD TO FEEDER PIPE
Not to Scale



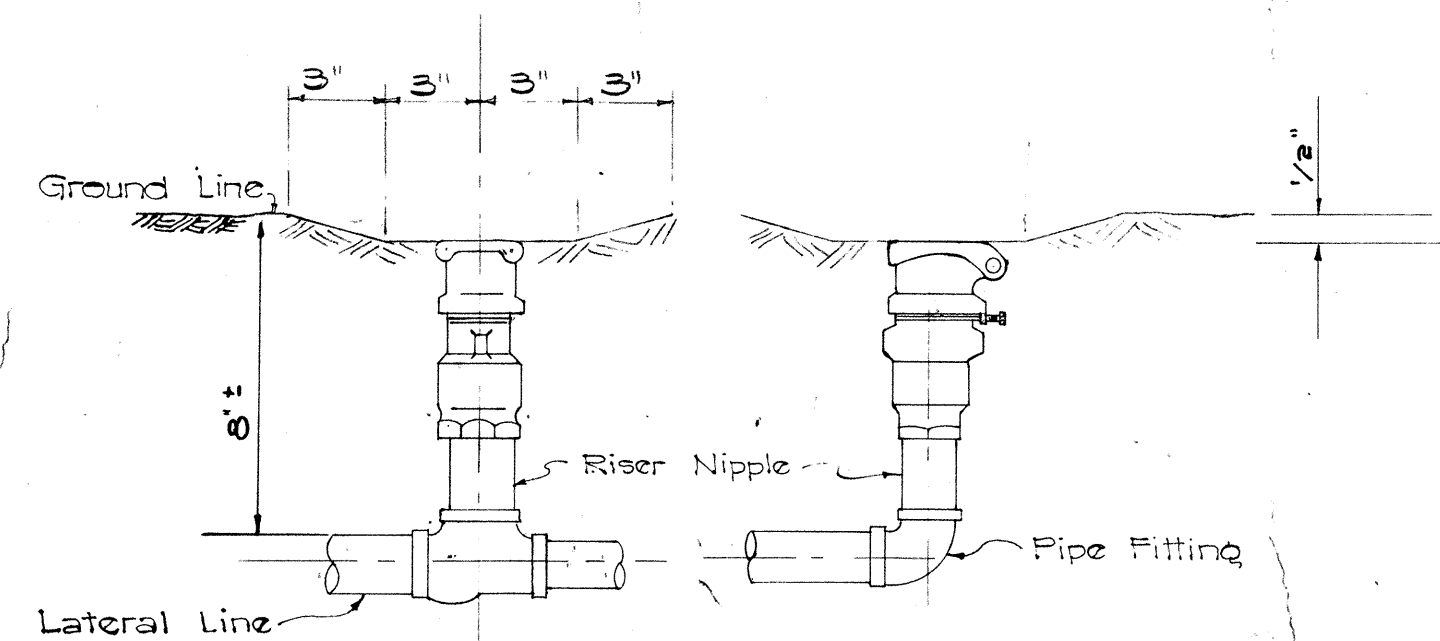
TYPICAL DETAIL OF SPRINKLER AT CONC. CURB
Not to Scale



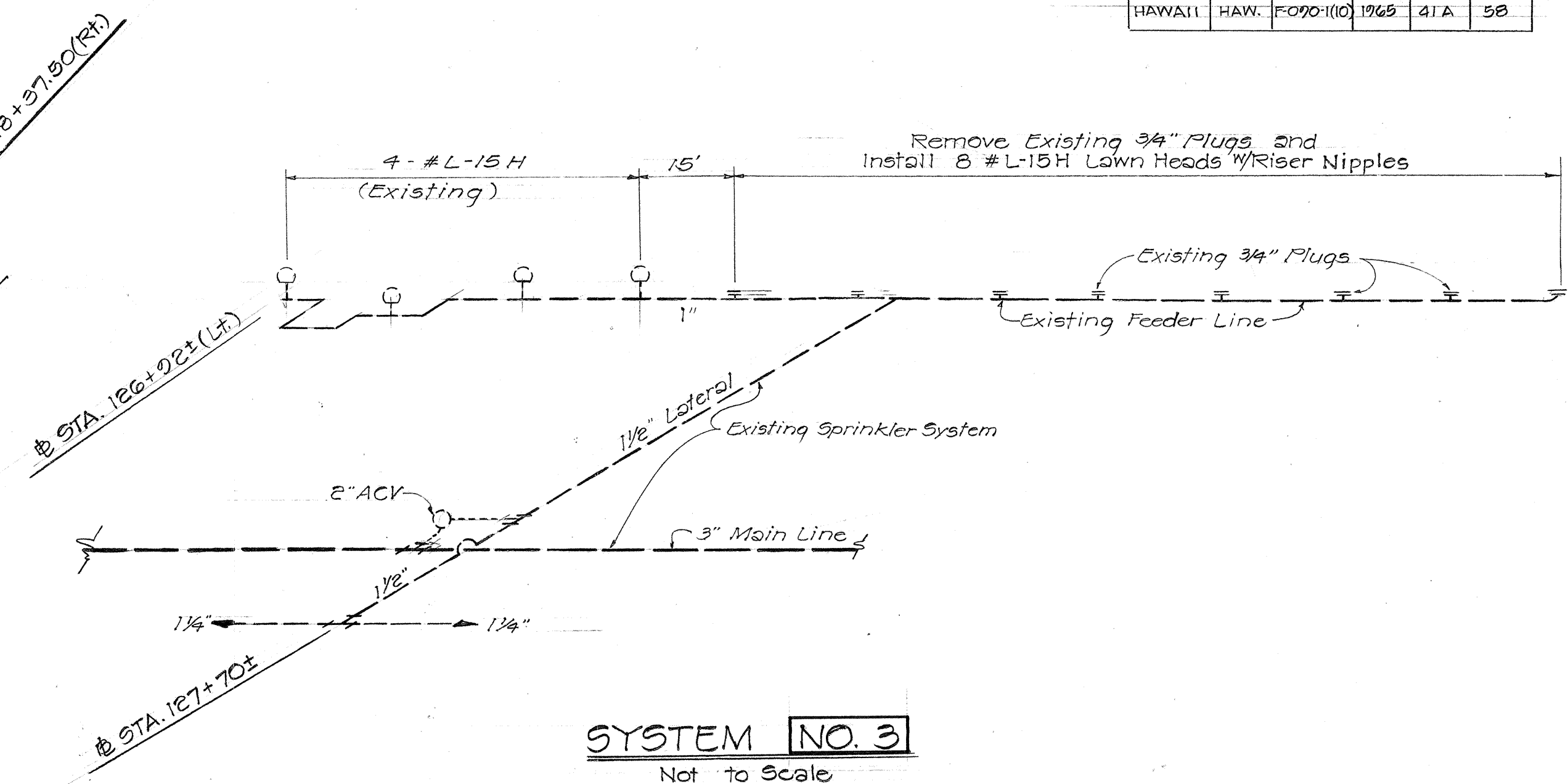
DETAIL OF SHRUBBERY HEAD
Not to Scale



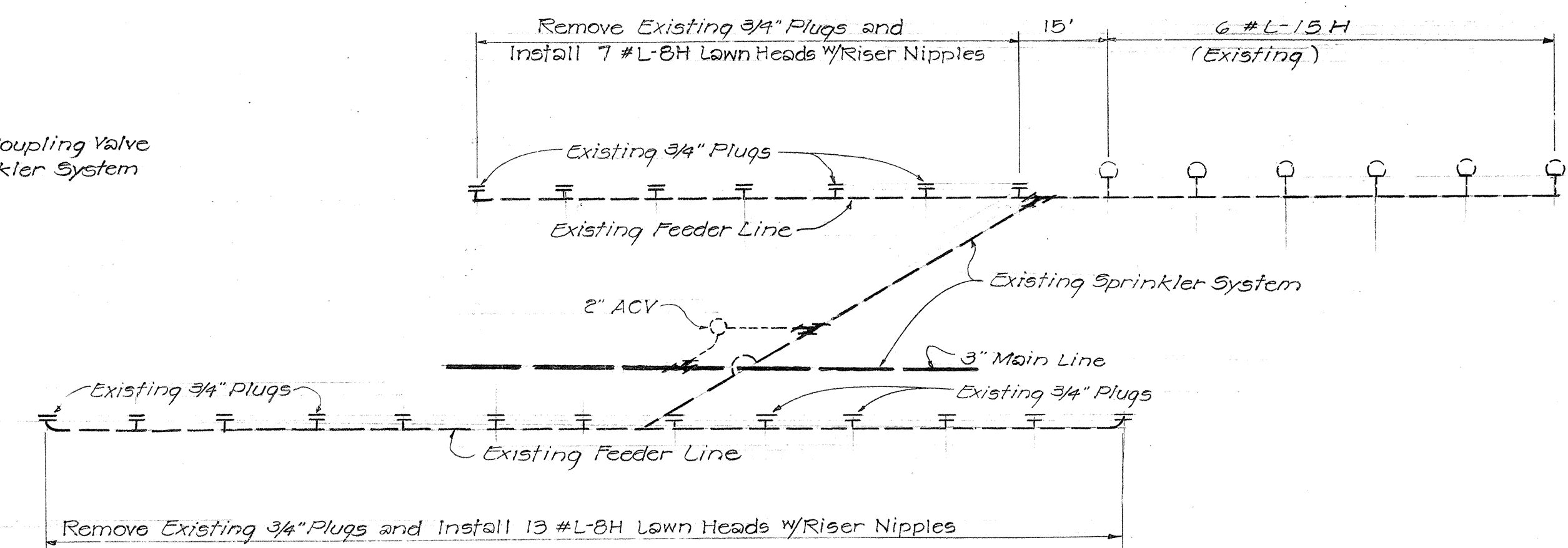
SYSTEM NO. 1
Not to Scale



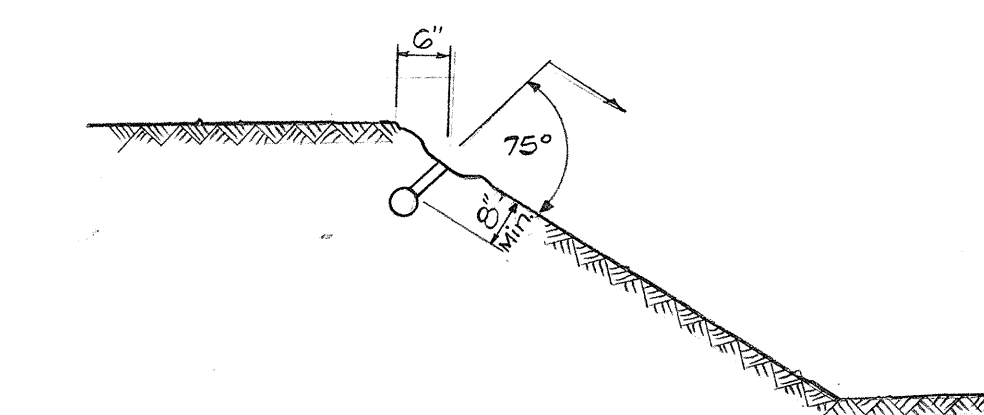
HINGED TOP QUICK COUPLING VALVES
Not to Scale



SYSTEM NO. 3
Not to Scale



SYSTEM NO. 4
Not to Scale



INSTALLATION OF QUICK COUPLING VALVES ON SLOPE
Not to Scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNS
LANDSCAPING AND
SPRINKLER SYSTEM

KAMEHAMEHA HIGHWAY
Scale: As Noted Proj. No. F-090-1(10)

SURVEY PLOTTED BY	DATE
DESIGNED BY	4/22/54
TRACED BY J.A. VETTER	
QUANTITIES CHECKED BY	
NOTE BOOK	
NO.	