

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	93A-02-10M	2010	12	12

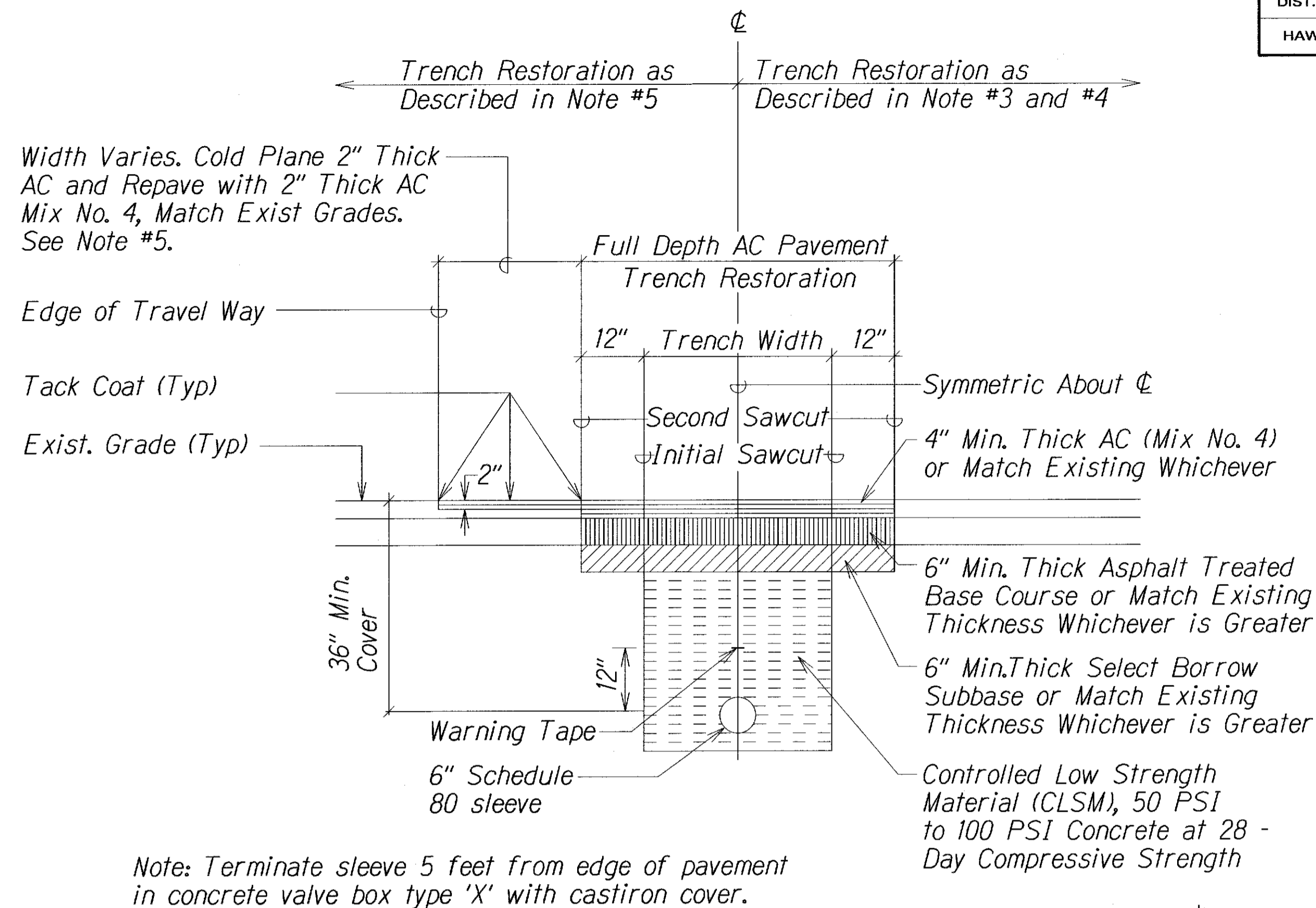
TRENCH NOTES:

- Sawcutting & Repairing of Existing A.C. and Concrete Pavements and Providing Topsoil will not be Paid for Separately, but Considered Incidental to the Various Contract items.
- Pavement Structure shall be Equal or Better Than Existing Pavement in Thickness and Quality.
- Conditions Where Trench Runs Perpendicular or Skew to the Travel Way Direction and/or Longitudinal Trenches Less Than Ten Feet in Length shall be Repaved A Minimum of Four Feet Wide with Trench Centered Within the Paved Width (T-Section) or the Paved Area shall be the Trench Width Plus an Additional One Foot on Each Side of the Trench (T-Section), Whichever is Greater. The Length of the Repaved Trench shall be Repaved A Recommended Two Feet in Added Length to Each End of the Trench.
- Trenches Running Longitudinally to the Travel Way on Roadways Where the Paved Travel Way is 36 Feet or Less shall be Repaved to the Trench Width Plus an Additional One Foot on Each Side of the Trench (T-Section) with a Recommended Two Feet in Added Length to Each End of the Longitudinal Trench. The Replaced Pavement shall have a Minimum Thickness of Four Inches of Asphalt Concrete or Match the Existing Pavement Thickness, Whichever is Greater.
- Trenches Running Longitudinally to the Travel Way on Roadways Where the Paved Travel Way is 36 Feet shall be Cold Planned a Minimum of Two Inches and Repaved to the Original Grade. The Paving shall be a Minimum Width of One Lane Not Exceeding 15 Feet in Width with a Minimum of Two Feet in Added Length to Each End of the Longitudinal Trench. The Replacement Pavement Within the Trench Limits, Plus an Additional One Foot on Each Side of the Trench (T-Section), shall have a Minimum Thickness of Four Inches of Asphalt Concrete or Match the Existing Pavement Thickness, Whichever is Greater.
- Pavement Markings
Restore Pavement Strippings, Raised Pavement Markers and Pavement Markings Whether Shown or Not on the Plans Within the Repaved Areas as Defined Above.

For Lane and Edge Strippings Restoration, Extend 12" From the Limit of Work.

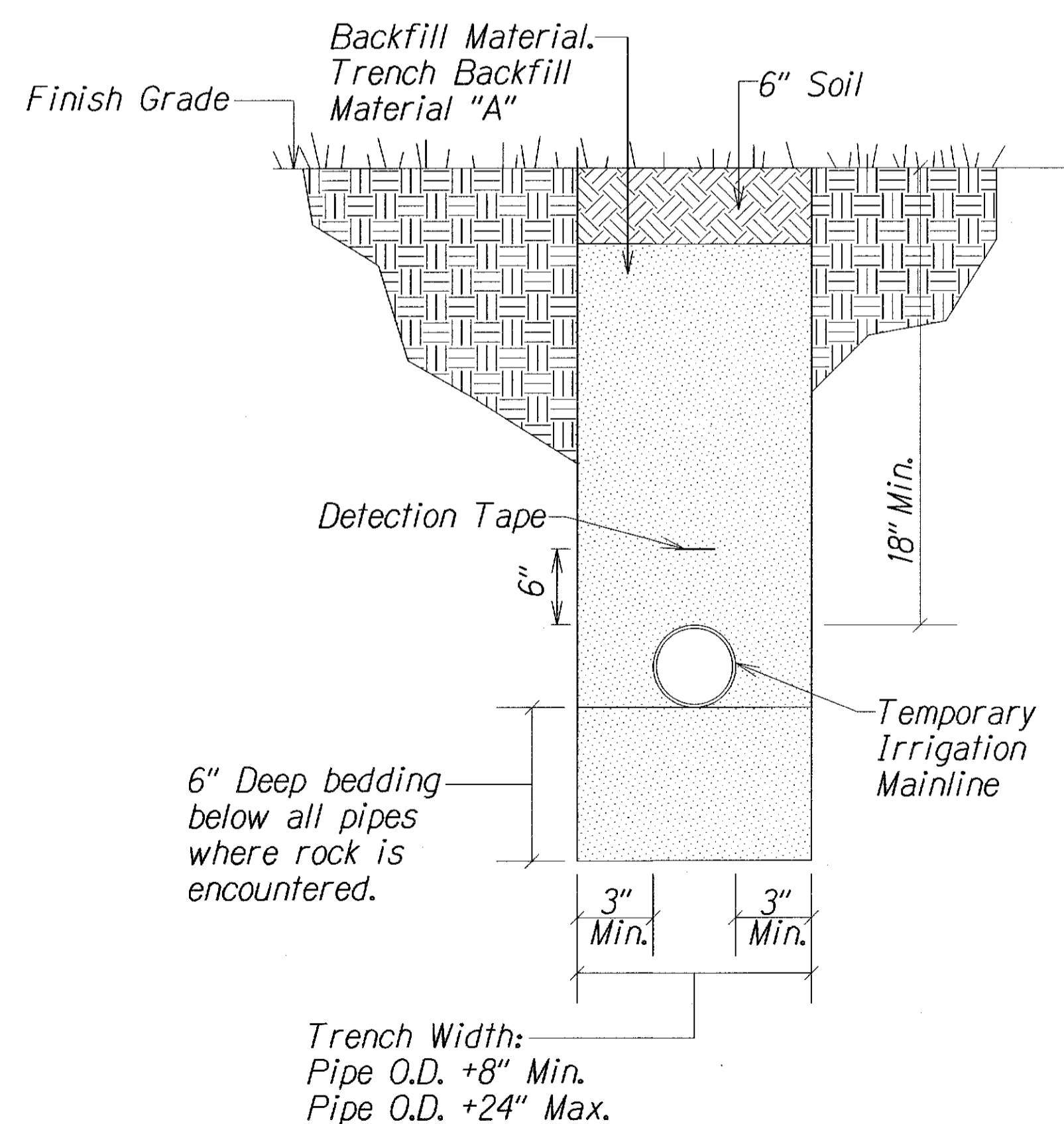
Contractor to Match Width (Whichever is Greater) and Color of Striping, Type of Raised Pavement Markers, Pavement Words, and Pavement Directional Arrow.

Restoration of Pavement Markings will not be Paid for Separately, but Considered Incidental to the Various Contract Items.
- All roadway trench work shall be paid under Pay Item 616.2000 - Roadway Trench. Trench excavation, irrigation sleeve, backfill, pavement replacement and pavement markings shall be considered incidental to Pay Item 616.2000 - Roadway Trench.

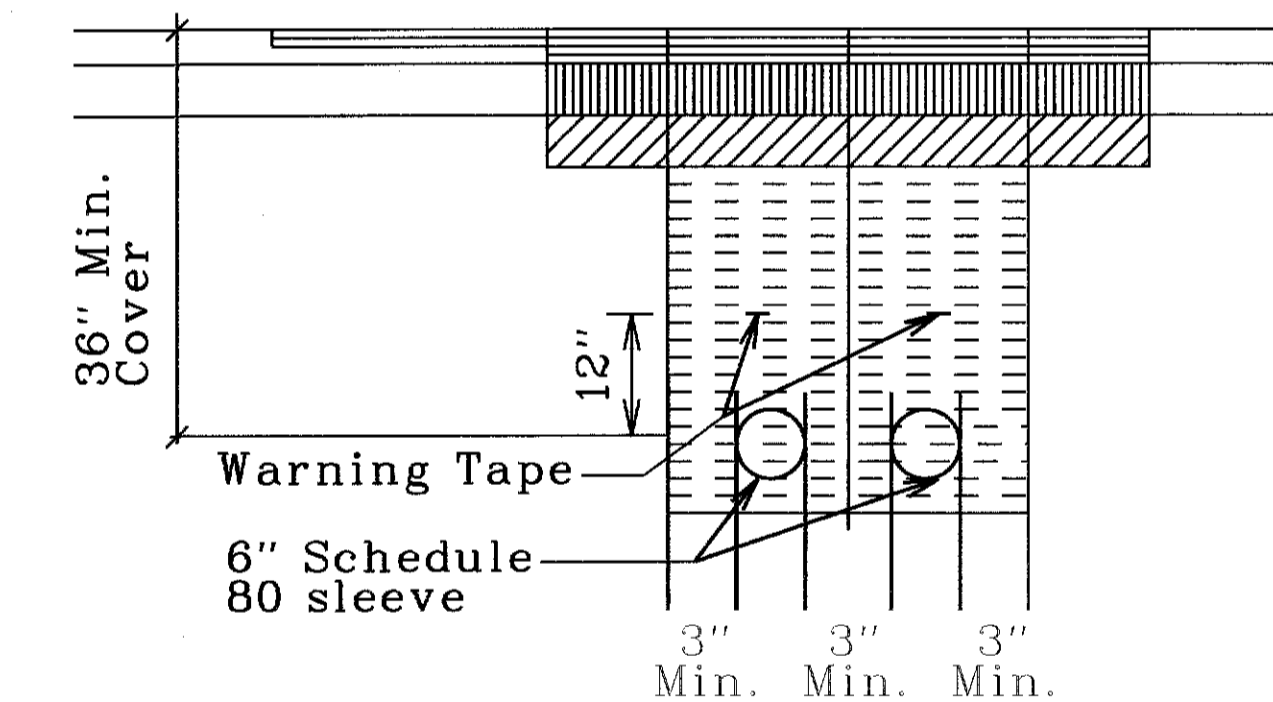


Note: Terminate sleeve 5 feet from edge of pavement in concrete valve box type 'X' with castiron cover.

① BACKFILL SECTION UNDER EXISTING ROADWAY
Scale: N.T.S.



② BACKFILL SECTION UNDER EXISTING MEDIAN
Scale: N.T.S.



For Backflow Preventer
Line Crossing
Scale: NTS

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
	Text for as-built posting

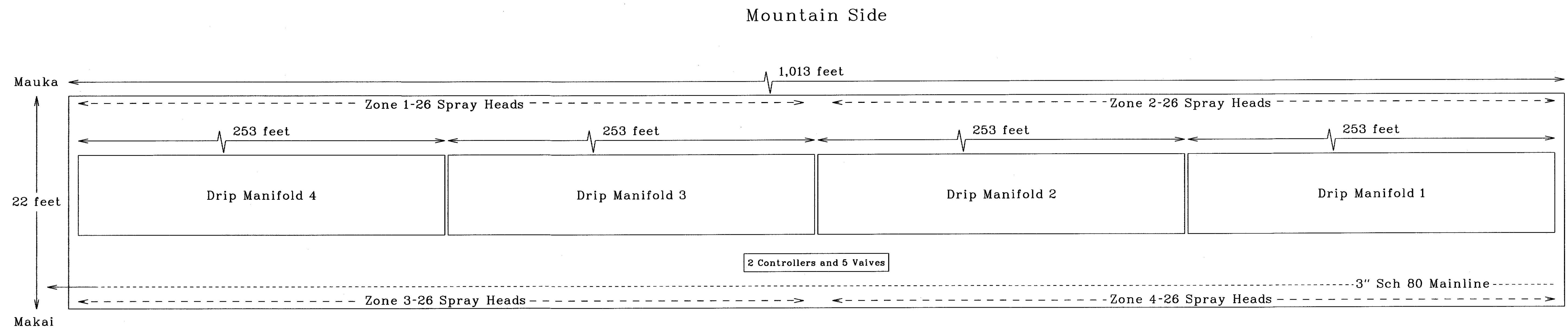
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRENCH DETAILS & NOTES

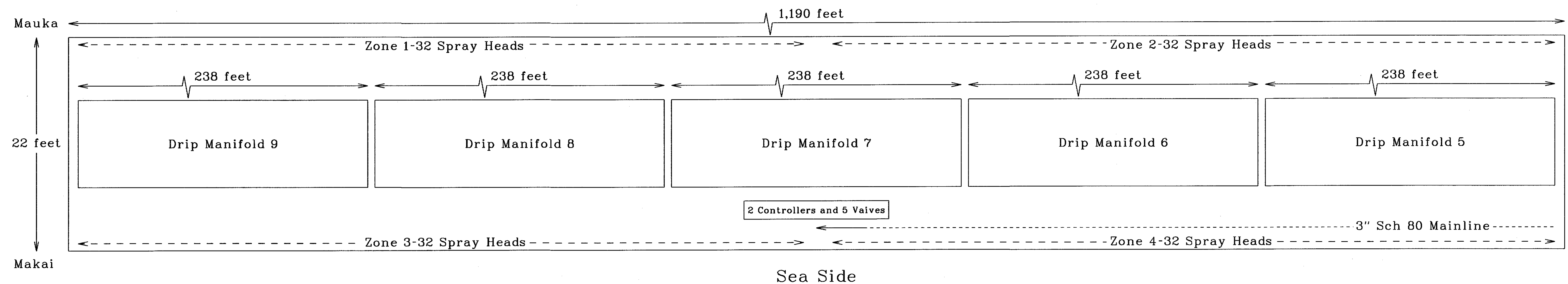
FARRINGTON HIGHWAY MEDIAN IMPROVEMENTS
Milepost 3.50 to Milepost 4.36
Project No. 93A-02-10M
Scale: N.T.S. Date: May, 2010

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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Irrigation System Median Island #1
Sta. 6+15 to 16+28
Scale: NTS



Irrigation System Median Island #2
Sta. 5+00 to 5+75 and Sta. 225+26 to 237+16
Scale: NTS

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PERMANENT IRRIGATION SYSTEM DETAILS

FARRINGTON HIGHWAY MEDIAN IMPROVEMENTS
Milepost 3.50 to Milepost 4.36
Project No. 93A-02-10M

Scale: NTS Date: Oct, 2010

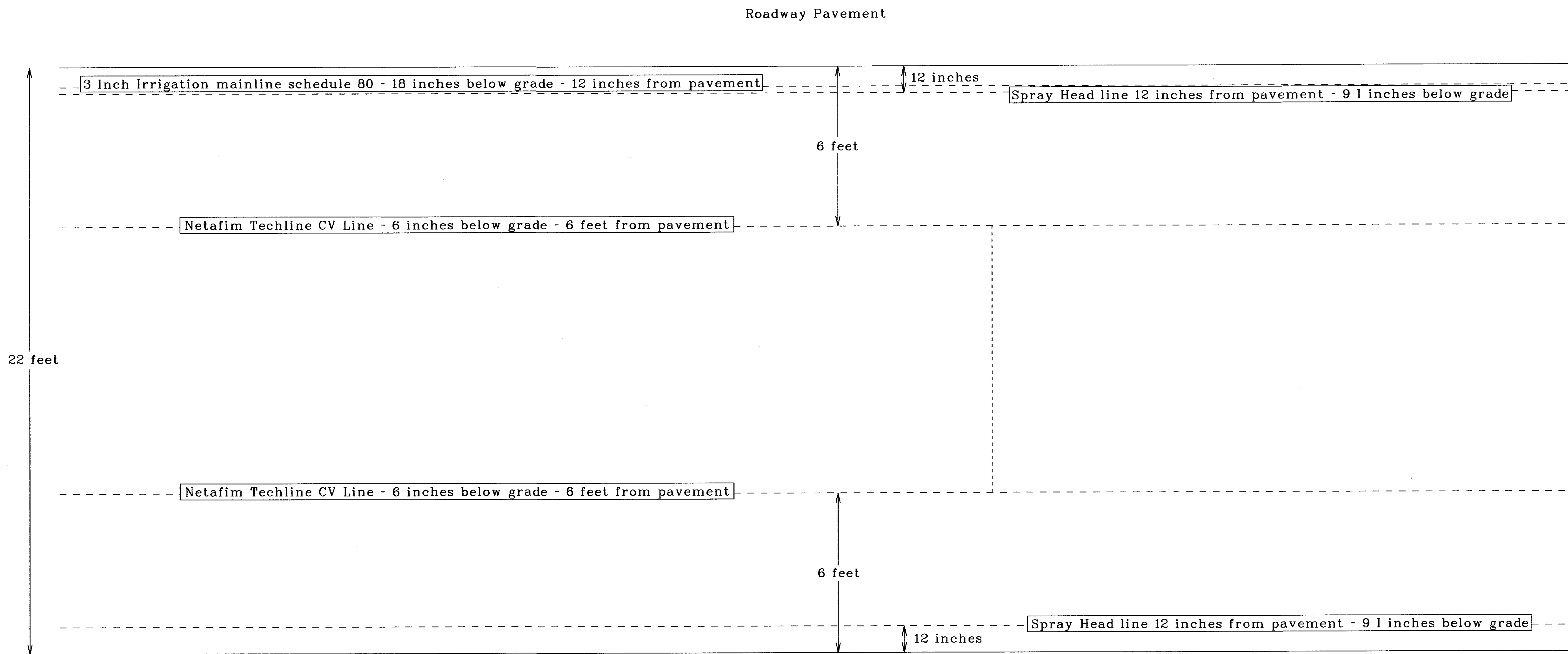
Note: This tracing prepared during "As-Built" posting.

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

"AS-BUILT"

12 S-1

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	93A-02-10M	2010	12 S-2	12



Irrigation System Typical
Scale: NTS

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

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PERMANENT IRRIGATION SYSTEM DETAILS

FARRINGTON HIGHWAY MEDIAN IMPROVEMENTS
Milepost 3.50 to Milepost 4.36
Project No. 93A-02-10M

Scale: NTS Date: Oct, 2010

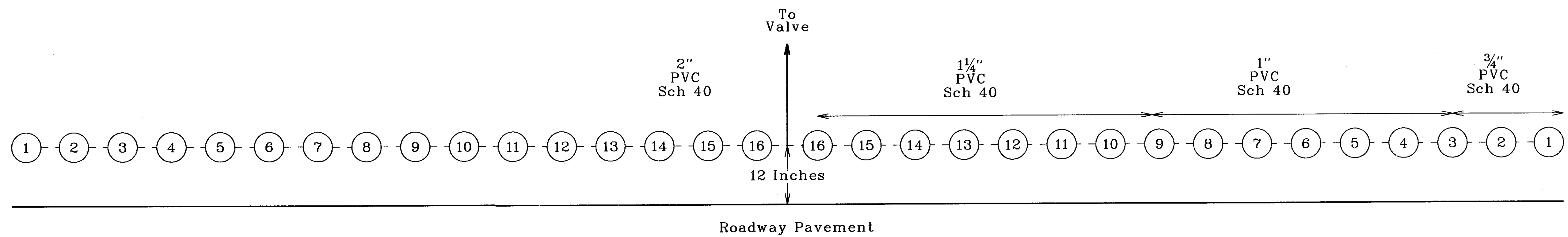
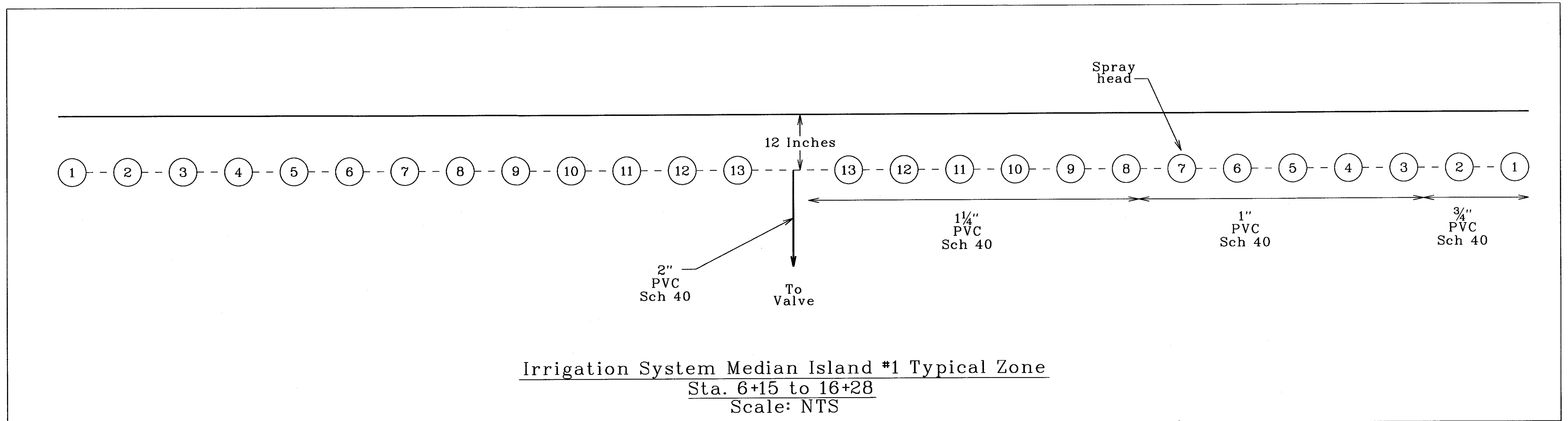
SHEET No. 2 OF 4 SHEETS

Note: This tracing prepared during "As-Built" posting.

"AS-BUILT"

12 S-2

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	93A-02-10M	2010	12 S-3	12



ORIGINAL	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PERMANENT IRRIGATION SYSTEM DETAILS

FARRINGTON HIGHWAY MEDIAN IMPROVEMENTS
Milepost 3.50 to Milepost 4.36
Project No. 93A-02-10M

Scale: NTS Date: Oct, 2010

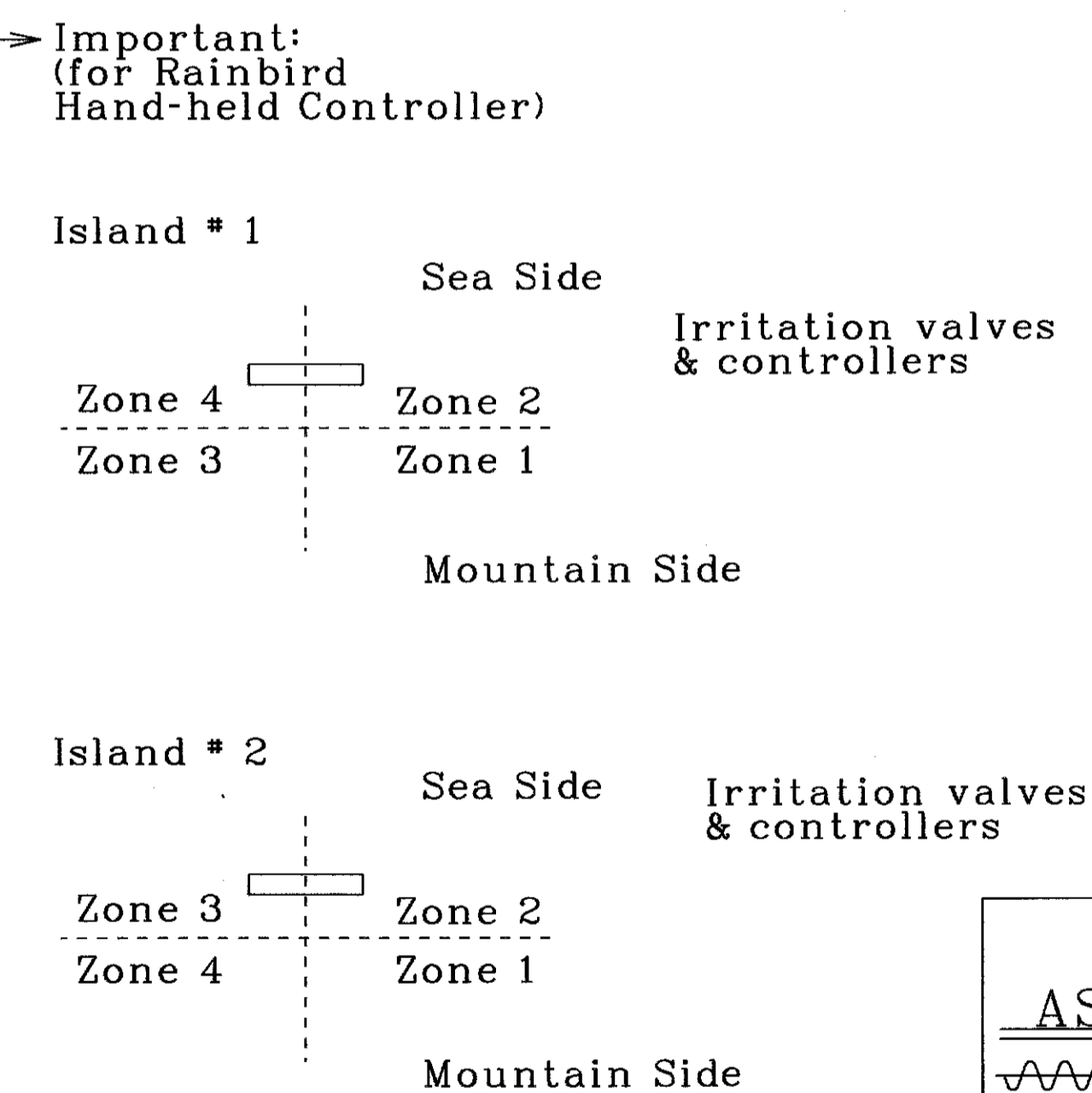
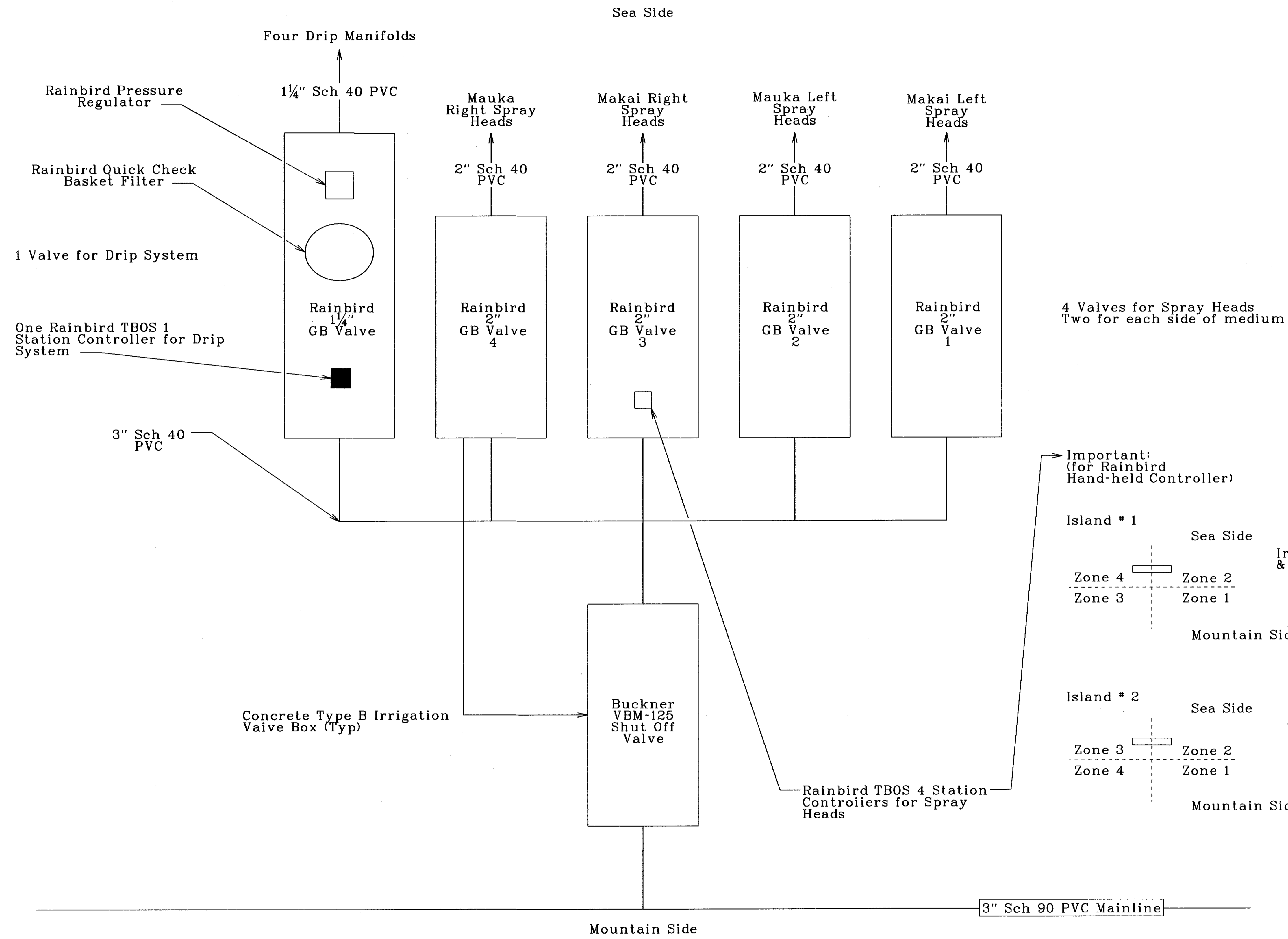
SHEET No. 3 OF 4 SHEETS

Note: This tracing prepared during "As-Built" posting.

"AS-BUILT"

12 S-3

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	93A-02-10M	2010	12 S-4	12



LEGEND FOR AS-BUILT POSTINGS

	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

SURVEY PLOTTED BY	DATE
TRACED BY	
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NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

Locate all valves and controllers in one central location

Typical Irrigation Valve/Controller Configuration
Scale: NTS

Note: This tracing prepared during "As-Built" posting.

STATE OF HAWAII
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HIGHWAYS DIVISION

PERMANENT IRRIGATION SYSTEM DETAILS

FARRINGTON HIGHWAY MEDIAN IMPROVEMENTS
Milepost 3.50 to Milepost 4.36
Project No. 93A-02-10M

Scale: Not to Scale Date: Oct, 2010

SHEET No. 4 OF 4 SHEETS

"AS-BUILT"