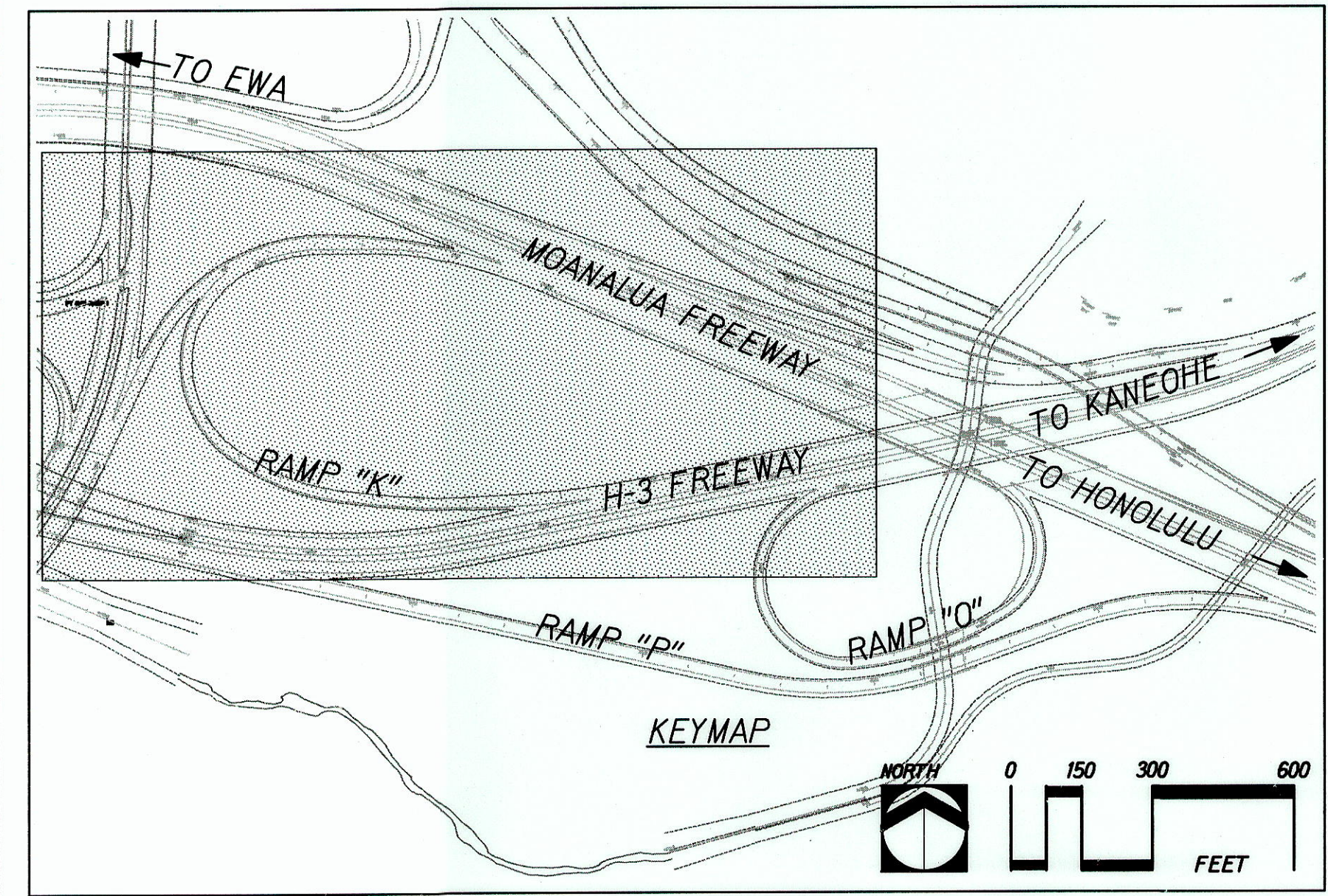
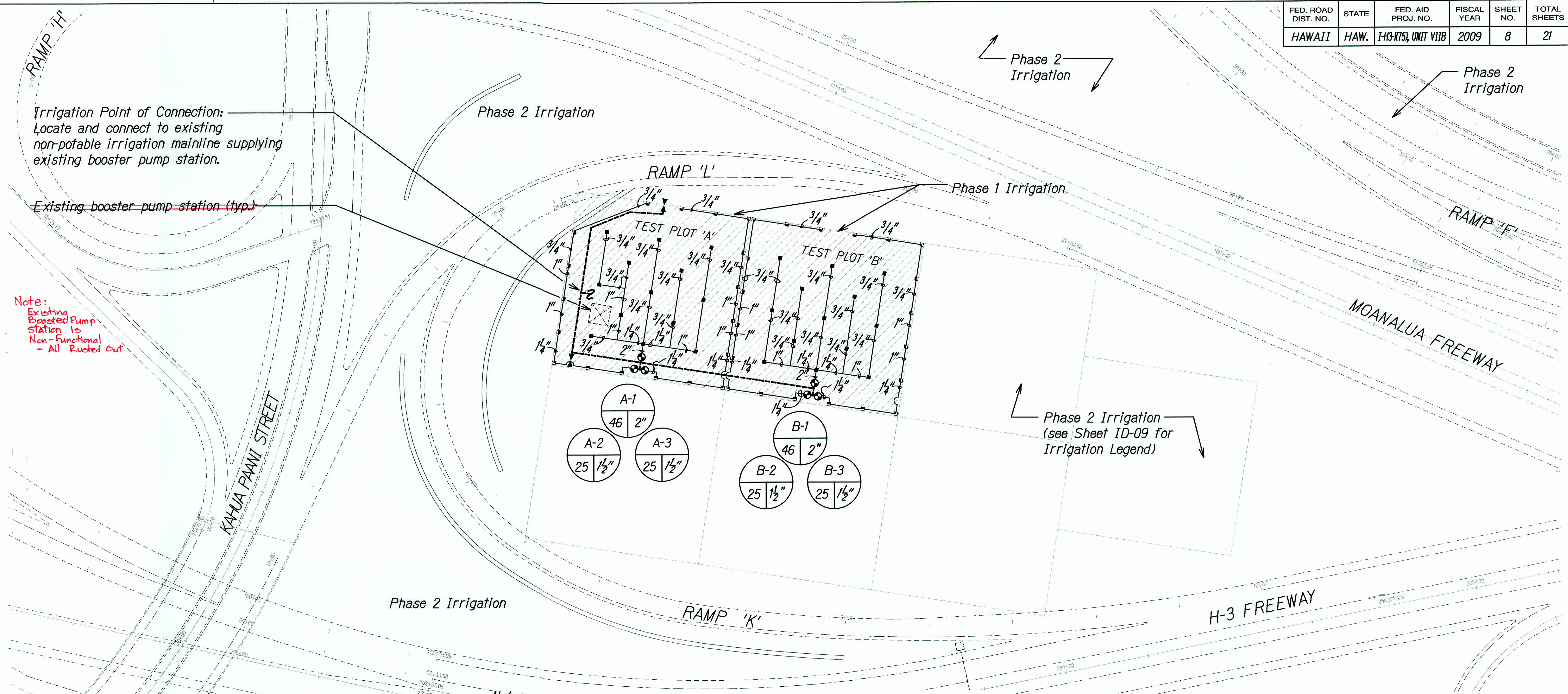


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-K75, UNIT VIIIB	2009	8	21



- Notes:**
1. This temporary irrigation system shall utilize non-potable water. The Contractor shall comply with the State of Hawaii Department of Health guidelines for non-potable water use, inclusive but not limited to, using lavender colored (Pantone 512) pipe and permanently labeled with "Do Not Drink" warning.
 2. ~~Connect new temporary irrigation system to existing 4" water supply line feeding existing booster pump station.~~
 3. Install battery powered irrigation controllers (and all appurtenances required) for 2 test plots as indicated.
 4. Install temporary above-grade irrigation for two test plots (1 acre each) as indicated during initial phase of work. Upon completion of the initial phase of irrigation work, the Contractor shall have a "standby" period for approximately seven (7) months to allow for the hydroseed application on the test plots by the State. The Contractor shall demobilize until notified by the Engineer to resume work. The Contractor shall be required to maintain the temporary irrigation system when notified by the Engineer during the standby period.
 5. Provide the Engineer with all documentation, manuals, and appurtenances for the battery powered irrigation controllers.
 6. Verify the exact location of existing concrete swales in planting area. Sleeve, secure, and reinforce all swale crossings as required. Sleeving shall be considered incidental to the contract item "temporary sprinkler system."

Note:
Check All Existing Water Supply Lines. Many Are Rusted And Leaking Existing Booster Pump Is Not Functional All Pipes And Valves Are Rusted Out.

ORIGINAL PLAN	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
R. Duncan

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TEMPORARY IRRIGATION
PLAN – PHASE 1
H-3 FINISH (UNIT VIIIB)
FAIP NO. I-H3-K75, UNIT VIIIB
Scale: 1"=60'-0" Date: Nov. 2008
SHEET No. 10-01 OF 9 SHEETS

"AS-BUILT"

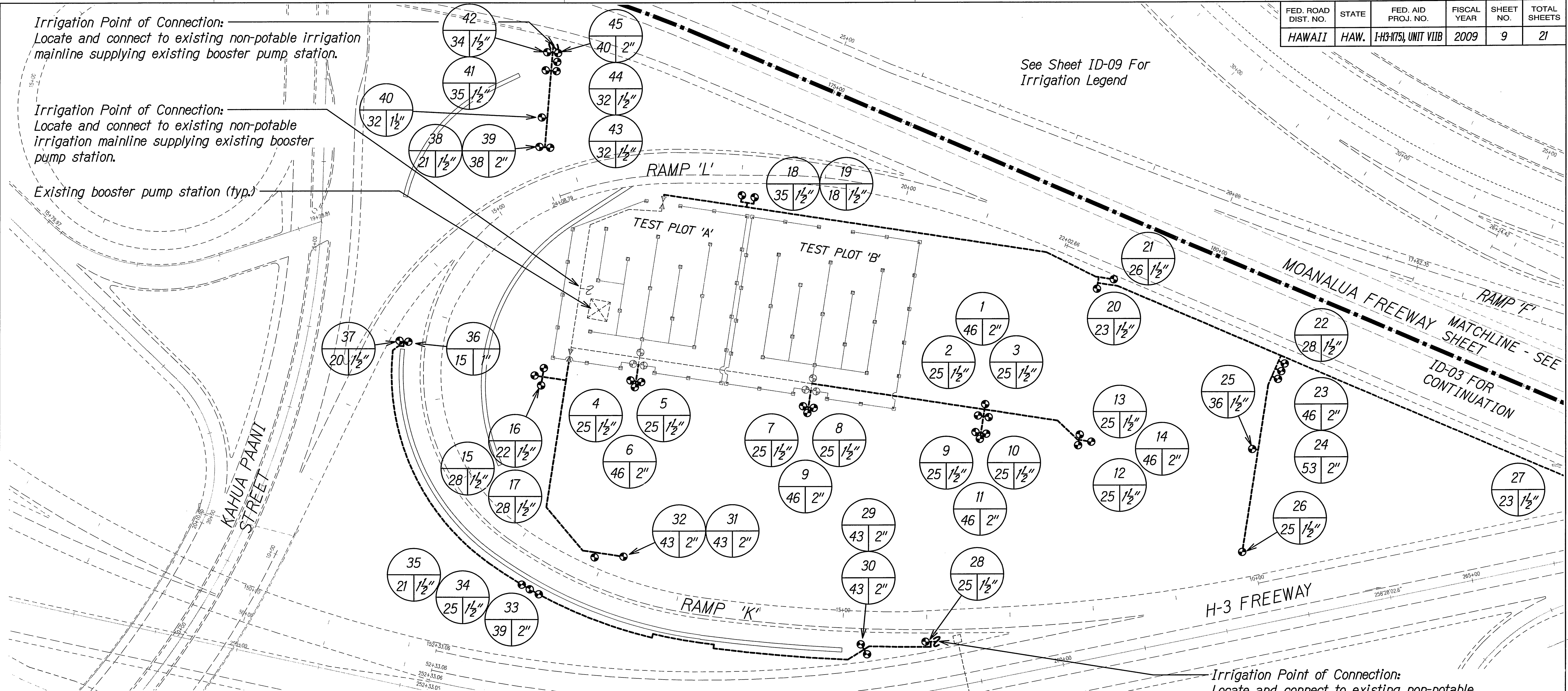
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-K75, UNIT VIIIB	2009	9	21

Irrigation Point of Connection:
Locate and connect to existing non-potable irrigation mainline supplying existing booster pump station.

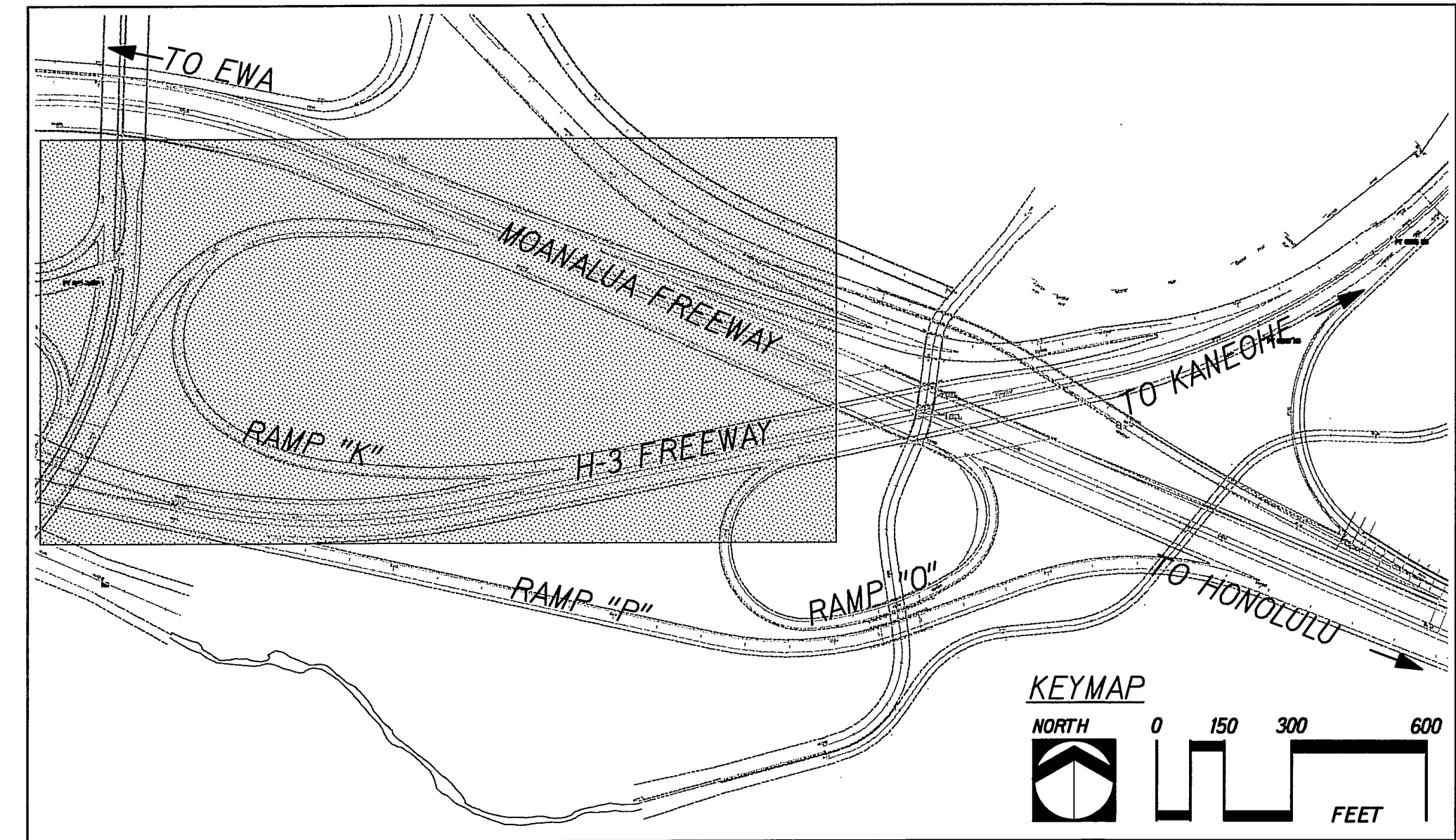
Irrigation Point of Connection:
Locate and connect to existing non-potable irrigation mainline supplying existing booster pump station.

Existing booster pump station (typ.)

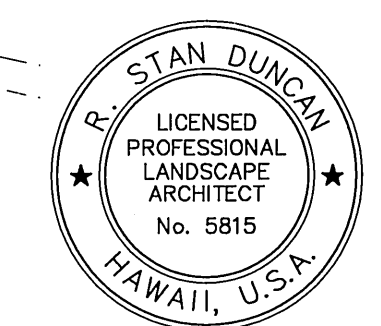
See Sheet ID-09 For
Irrigation Legend



Irrigation Point of Connection:
Locate and connect to existing non-potable irrigation mainline supplying existing booster pump station.



- Notes:
1. This temporary irrigation system shall utilize non-potable water. The Contractor shall comply with the State of Hawaii Department of Health guidelines for non-potable water use, inclusive but not limited to, using lavender colored (Pantone 512) pipe and permanently labeled with "Do Not Drink" warning.
 2. Connect Phase 2 temporary irrigation system to existing 4" gate valves installed during Phase 1 work.
 3. Existing temporary irrigation system installed during Phase 1 shall remain and remain in operation.
 4. Provide the Engineer with all documentation, manuals, and appurtenances for the battery powered irrigation controllers.
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OR UNDER MY SUPERVISION.
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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

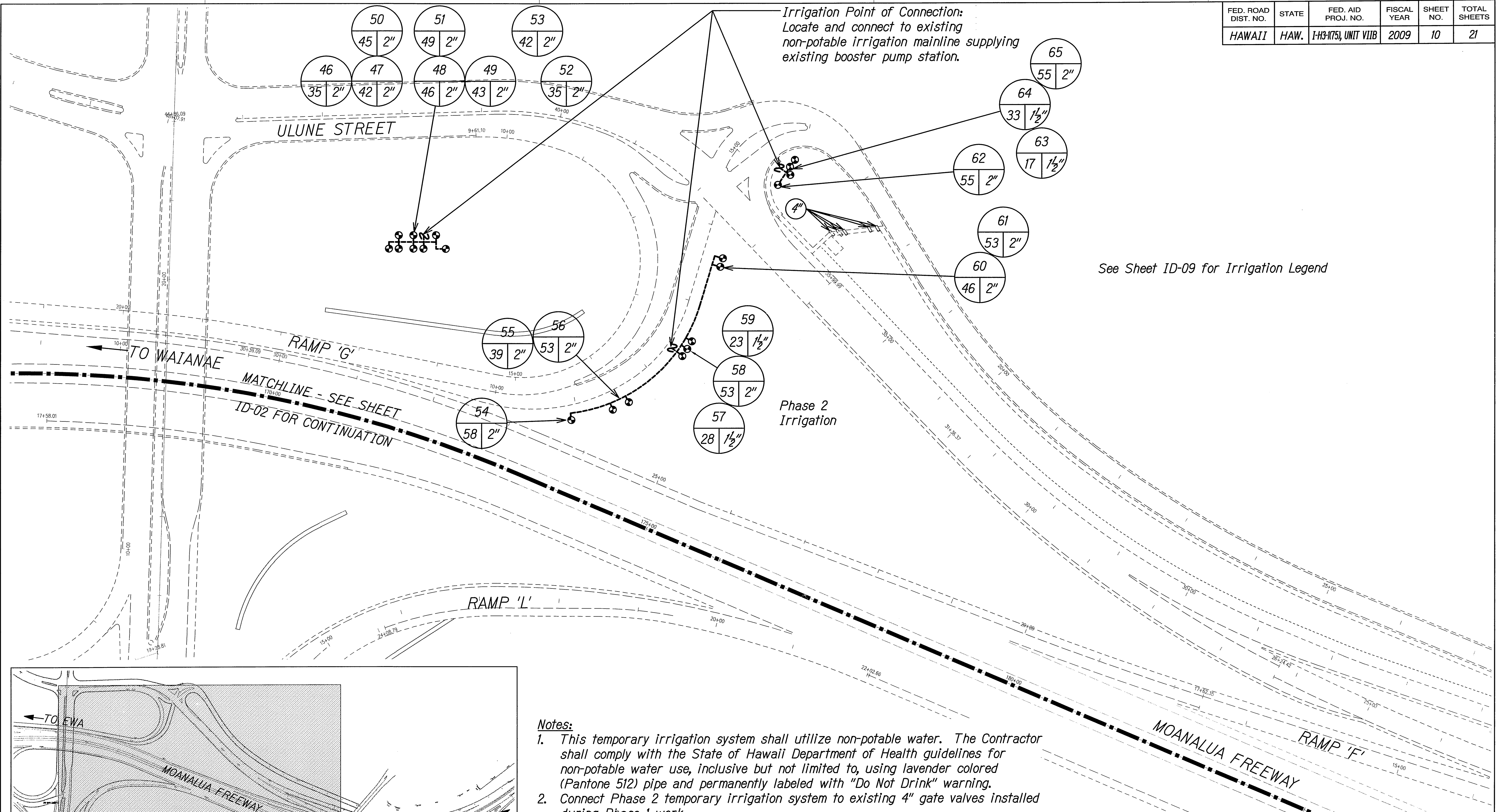
**TEMPORARY IRRIGATION
PLAN - PHASE 2**

H-3 FINISH (UNIT VIIIB)
FAIP NO. I-H3-K75, UNIT VIIIB
Scale: 1"=60'-0" Date: Nov. 2008

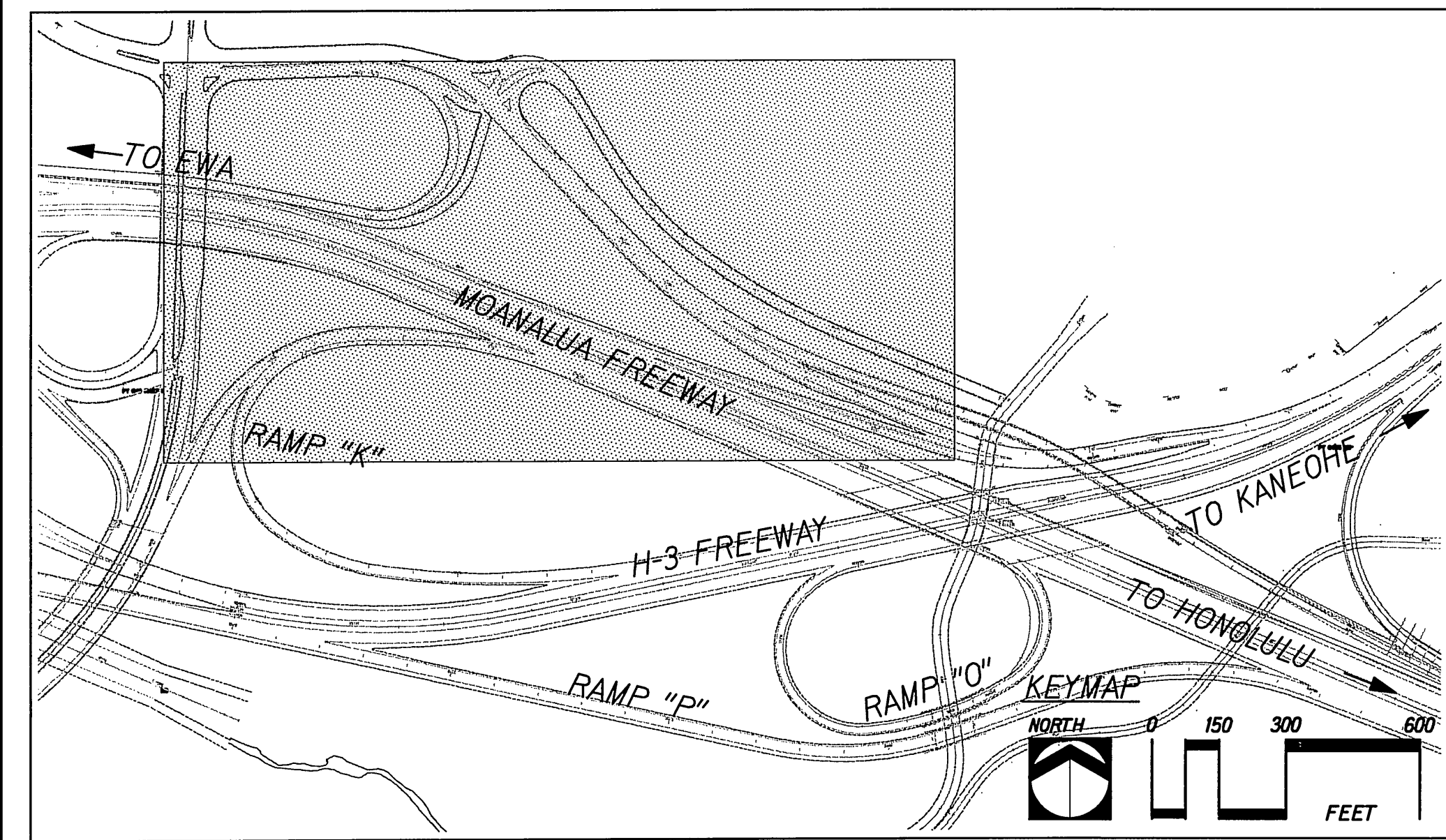
SHEET No. ID-02 OF 9 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____

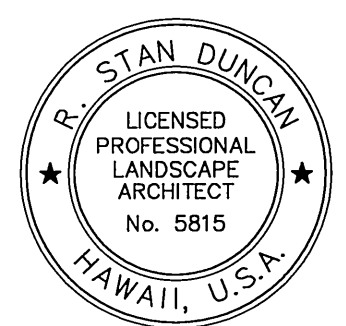
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-K75, UNIT VIIB	2009	10	21



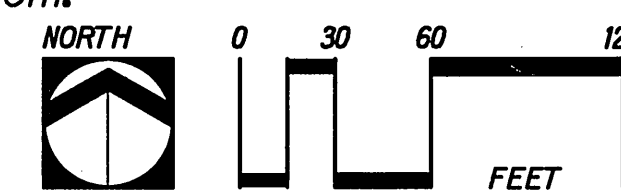
See Sheet ID-09 for Irrigation Legend



- Notes:**
1. This temporary irrigation system shall utilize non-potable water. The Contractor shall comply with the State of Hawaii Department of Health guidelines for non-potable water use, inclusive but not limited to, using lavender colored (Pantone 512) pipe and permanently labeled with "Do Not Drink" warning.
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

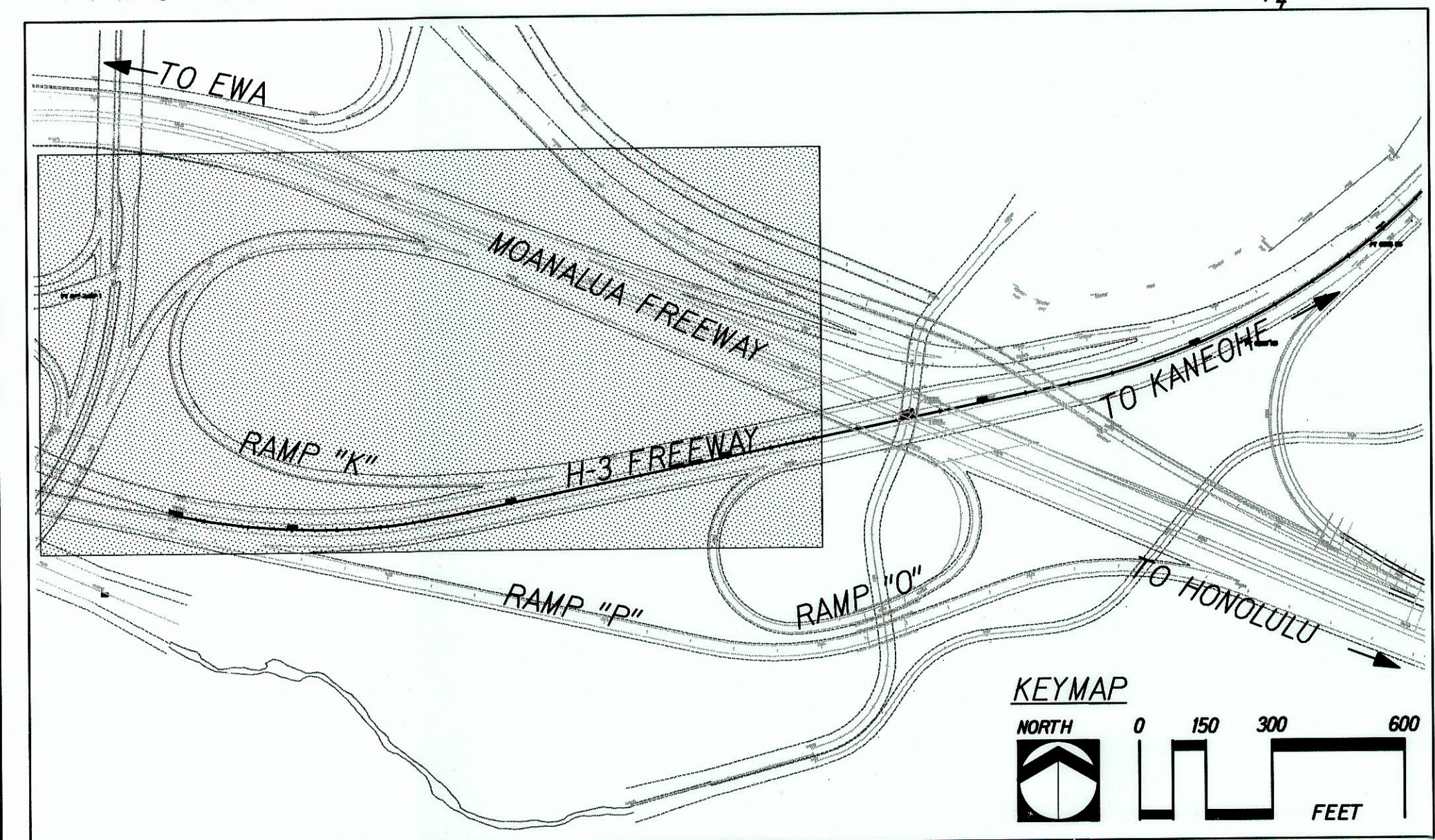
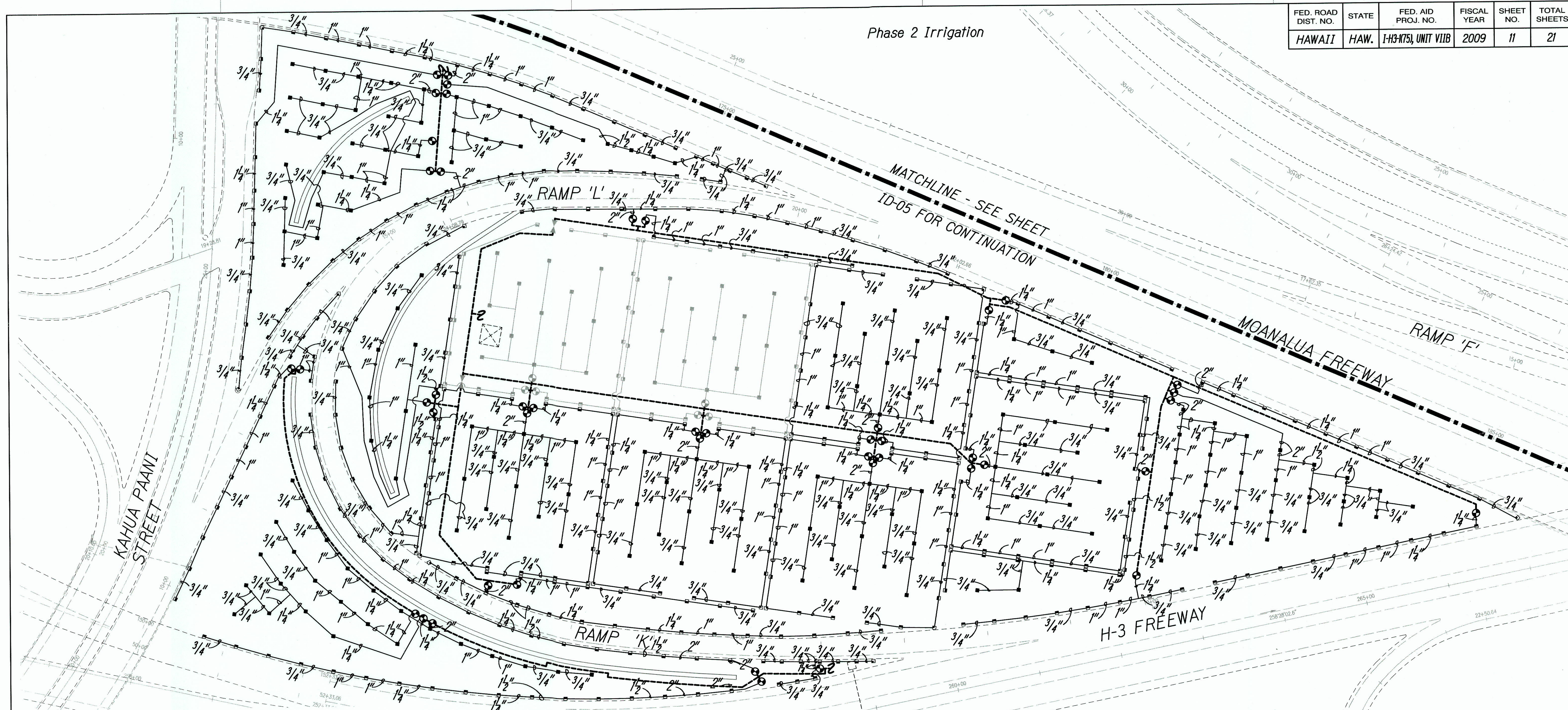
TEMPORARY IRRIGATION
PLAN - PHASE 2
H-3 FINISH (UNIT VIIB)
FAIP NO. I-H3-K75, UNIT VIIB
Scale: 1"=60'-0" Date: Nov. 2008

SHEET No. ID-03 OF 9 SHEETS

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

1/2XXXX/XXXX/XXXX.dgn

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-K75, UNIT VIIIB	2009	11	21



TO PEARL HARBOR

Notes:

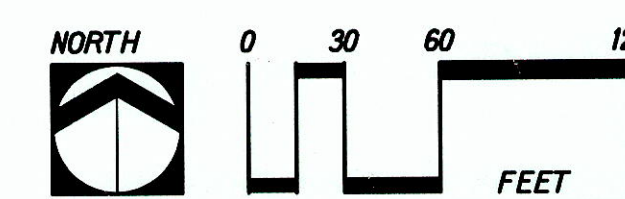
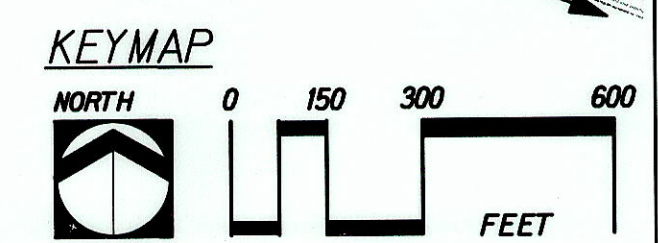
1. This temporary irrigation system shall utilize non-potable water. The Contractor shall comply with the State of Hawaii Department of Health guidelines for non-potable water use, inclusive but not limited to, using lavender colored (Pantone 512) pipe and permanently labeled with "Do Not Drink" warning.
2. Connect Phase 2 temporary irrigation system to existing 4" gate valves installed during Phase 1 work.
3. Existing temporary irrigation system installed during Phase 1 shall remain and remain in operation.
4. Provide the Engineer with all documentation, manuals, and appurtenances for the battery powered irrigation controllers.
5. Verify the exact location of existing concrete swales in planting area. Sleeve, secure, and reinforce all swale crossings as required. Sleeving shall be considered incidental to the contract item "temporary sprinkler system."

6. Verify All Existing Valves, Pipes Are Functional Before Performing Any Work. Many Valves And Pipes Are Rusted Out, Including Both Pump Stations

See Sheet ID-09 for Irrigation Legend

DATE	
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

J:\XXXX\XXXX\XXXX.dgn



"AS-BUILT"

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OR UNDER MY SUPERVISION.

R. Stan Duncan

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TEMPORARY IRRIGATION

PLAN - PHASE 2

H-3 FINISH (UNIT VIIIB)

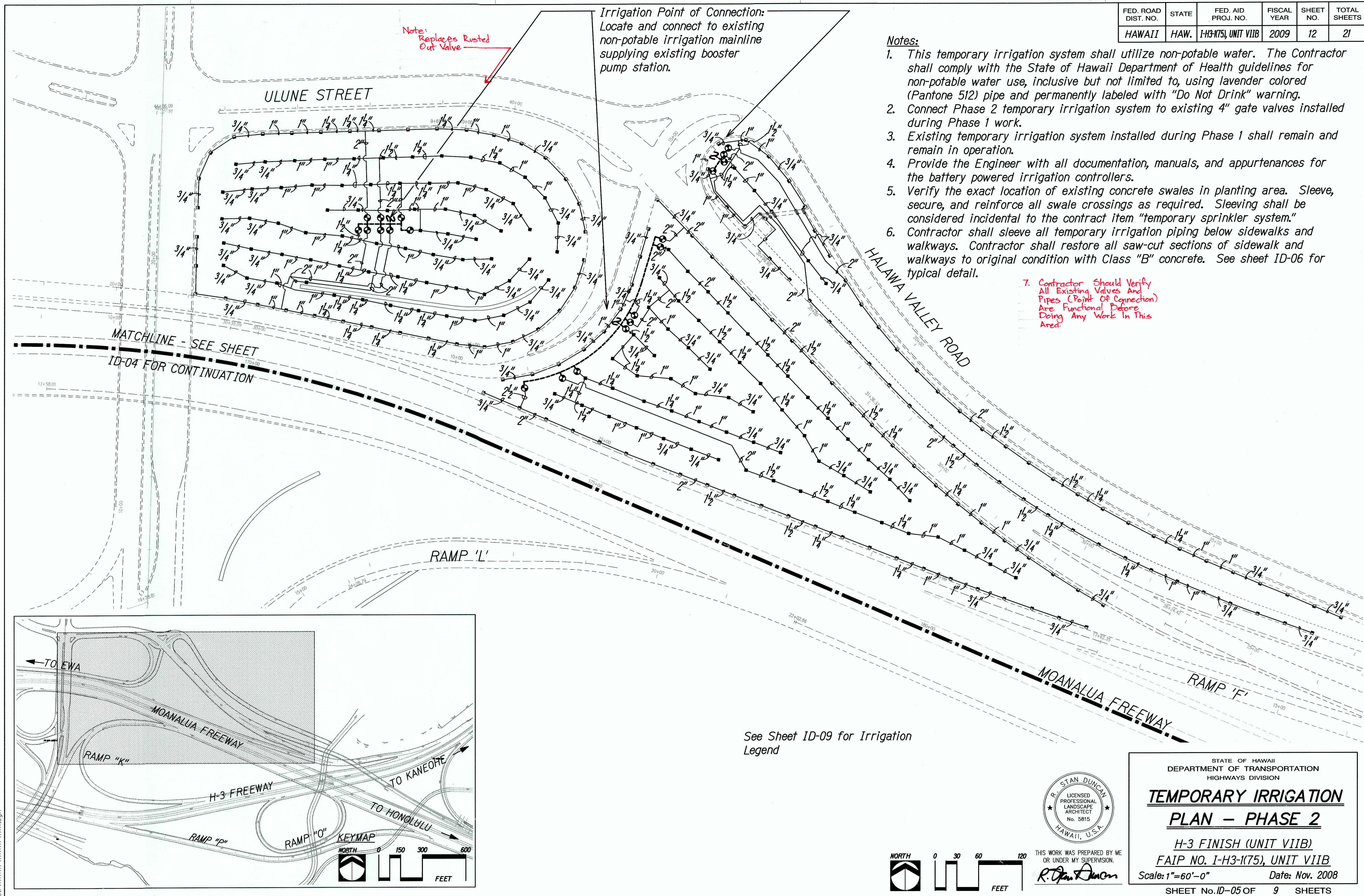
FAIP NO. I-H3-K75, UNIT VIIIB

Scale: 1"=60'-0" Date: Nov. 2008

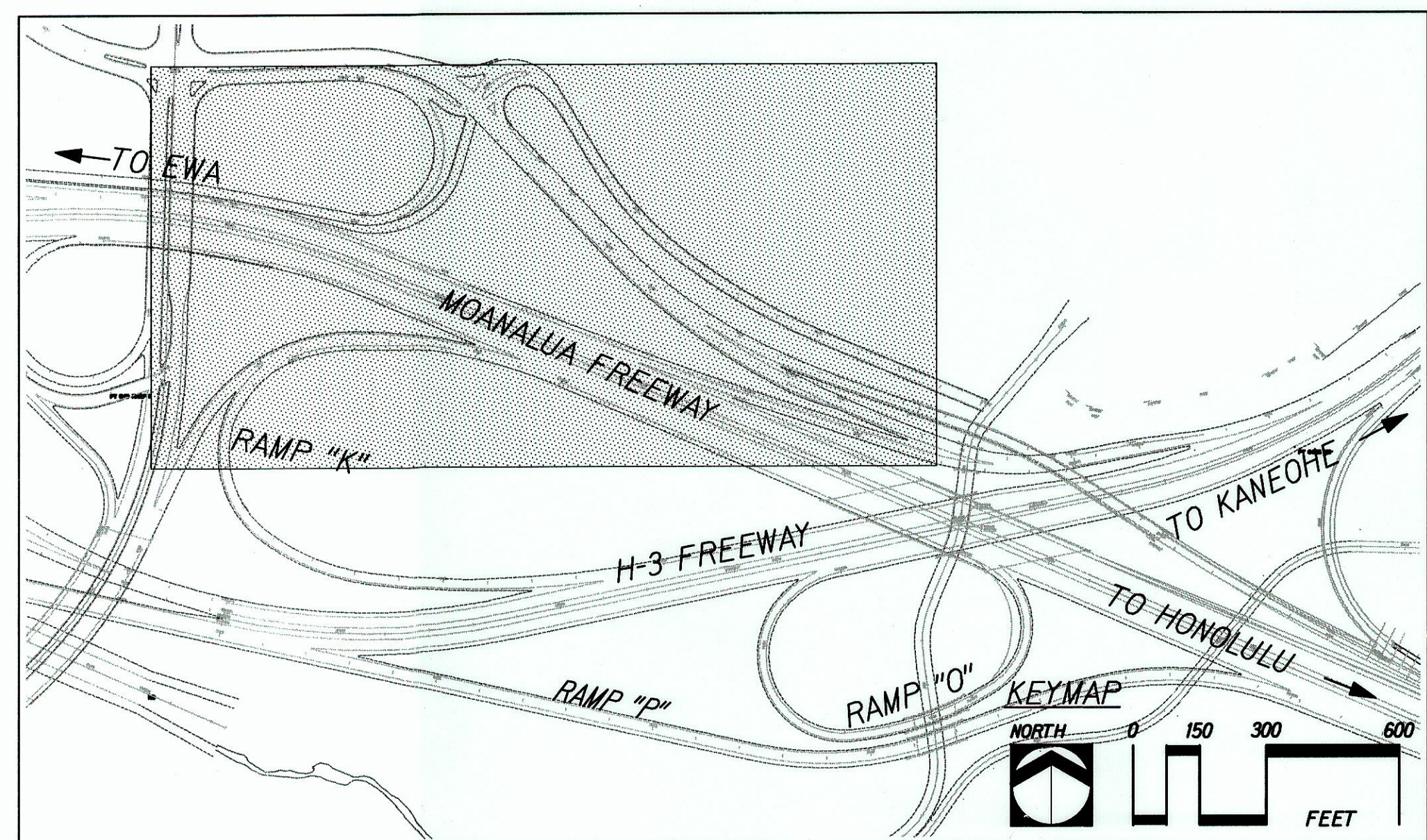
SHEET No. ID-04 OF 9 SHEETS

11

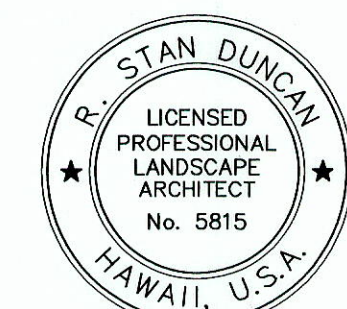
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-175, UNIT VIIIB	2009	12	21



- Notes:**
1. This temporary irrigation system shall utilize non-potable water. The Contractor shall comply with the State of Hawaii Department of Health guidelines for non-potable water use, inclusive but not limited to, using lavender colored (Pantone 512) pipe and permanently labeled with "Do Not Drink" warning.
 2. Connect Phase 2 temporary irrigation system to existing 4" gate valves installed during Phase 1 work.
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 5. Verify the exact location of existing concrete swales in planting area. Sleeve, secure, and reinforce all swale crossings as required. Sleeving shall be considered incidental to the contract item "temporary sprinkler system."
 6. Contractor shall sleeve all temporary irrigation piping below sidewalks and walkways. Contractor shall restore all saw-cut sections of sidewalk and walkways to original condition with Class "B" concrete. See sheet ID-06 for typical detail.
 7. Contractor Should Verify All Existing Valves And Pipes (Point Of Connection) Are Functional Before Doing Any Work In This Area.



See Sheet ID-09 for Irrigation Legend

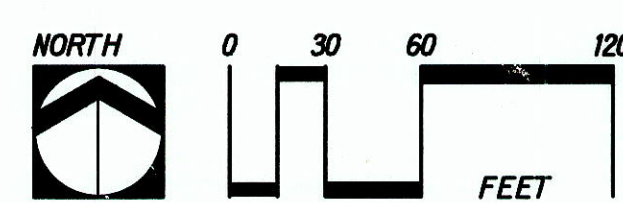


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**TEMPORARY IRRIGATION
PLAN – PHASE 2**

H-3 FINISH (UNIT VIIIB)
FAIP NO. I-H3-175, UNIT VIIIB
Scale: 1"=60'-0" Date: Nov. 2008

SHEET No. ID-05 OF 9 SHEETS



"AS-BUILT"