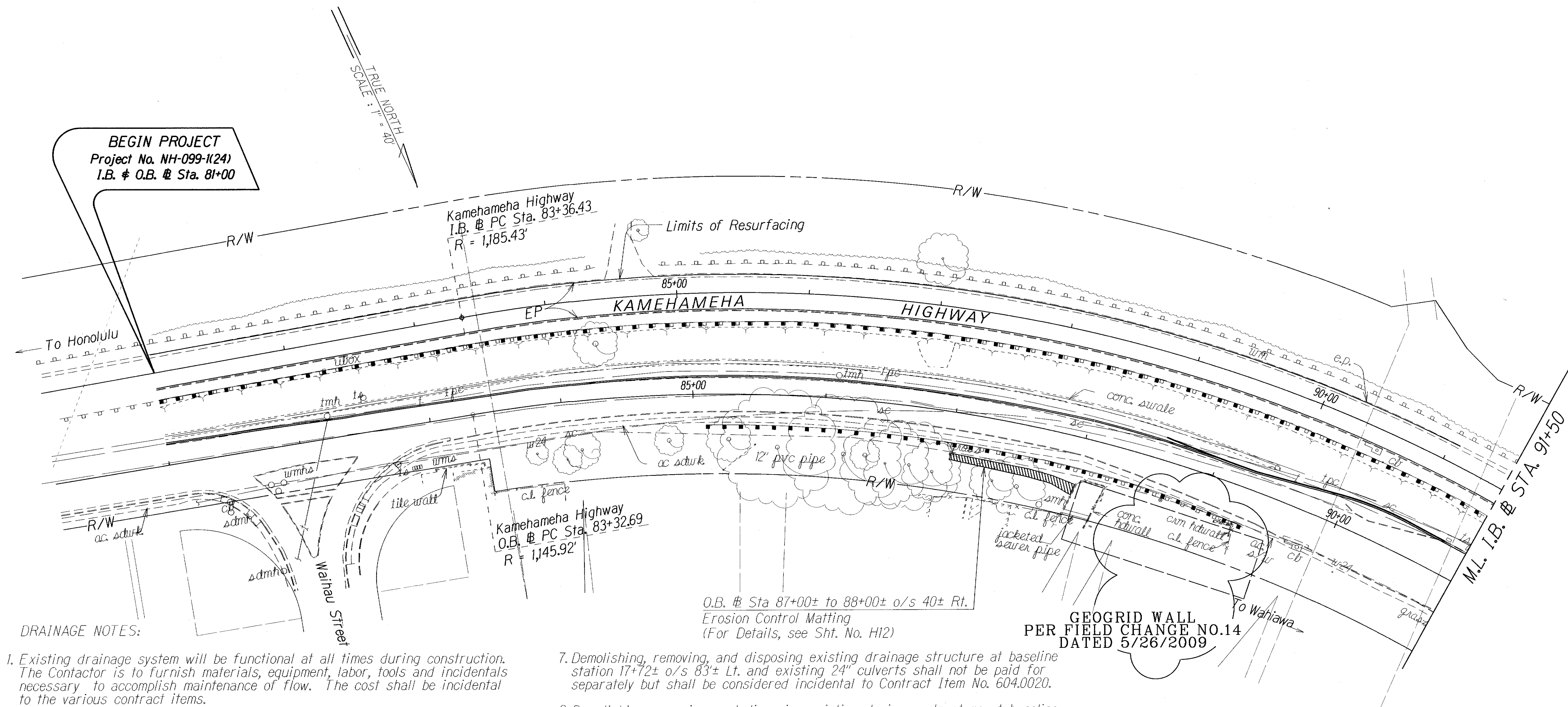


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-099-1(24)	2007	39	74



DRAINAGE NOTES:

- Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow. The cost shall be incidental to the various contract items.
- The Contractor shall verify the locations of all existing culverts and utilities in the field. Any existing culverts and utilities damaged during construction shall be repaired or replaced by the Contractor at his own expense.
- Demolishing, removing, and disposing existing drainage structure at OB baseline station 93+24± o/s 33±Rt. shall not be paid for separately, but shall be considered incidental to Contract Item No. 604.0015.
- Demolishing, removing, and disposing existing drainage structure at OB baseline station 104+90± o/s 25± Rt. shall not be paid for separately but shall be considered incidental to Contract Item No. 604.0040.
- Demolishing, removing, and disposing existing drainage structure at baseline station 15+04± o/s 80± Lt. shall not be paid for separately but shall be considered incidental to Contract Item No. 604.0021.
- Demolishing, removing, and disposing existing drainage structure at baseline station 16+89± o/s 86± Lt. shall not be paid for separately, but shall be considered incidental to Contract Item No. 604.0022.
- Demolishing, removing, and disposing existing drainage structure at baseline station 17+72± o/s 83± Lt. and existing 24" culverts shall not be paid for separately but shall be considered incidental to Contract Item No. 604.0020.
- Demolishing, removing, and disposing existing drainage structure at baseline station 34+00± o/s 30± Rt. and existing drainage culvert shall not be paid for separately but shall be considered incidental to Contract Item No. 604.0010.
- Demolishing, removing, and disposing existing drainage structure at baseline station 31+27± o/s 66± Lt. shall not be paid for separately but shall be considered incidental to Contract Item No. 604.0022.
- Concrete shall be Class A unless otherwise noted.
- Chamfer all exposed concrete edges 3/4".
- For locations of underdrain inlet connections, outlet structures and cleanouts, see Sheet No. H9. For details of cleanout, see Sht. No. H13.
- Gutter, Type 2(61614) and Gutter Transition shall not be paid for separately but shall be considered incidental to Contract Item No. 609.1000 - Gutter, Type 2(31114)
- Restore concrete curbing at baseline station 17+40± to its original condition following the installation of 36-inch culvert. The cost of restoring curbing shall be considered incidental to the various contract items.

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

DRAINAGE PLAN

KAMEHAMEHA HIGHWAY REHABILITATION
WAIHAU STREET to H-2 INTERCHANGE
FEDERAL AID PROJECT NO. NH-099-1(24)

Scale: 1"=40' Date: August, 2006

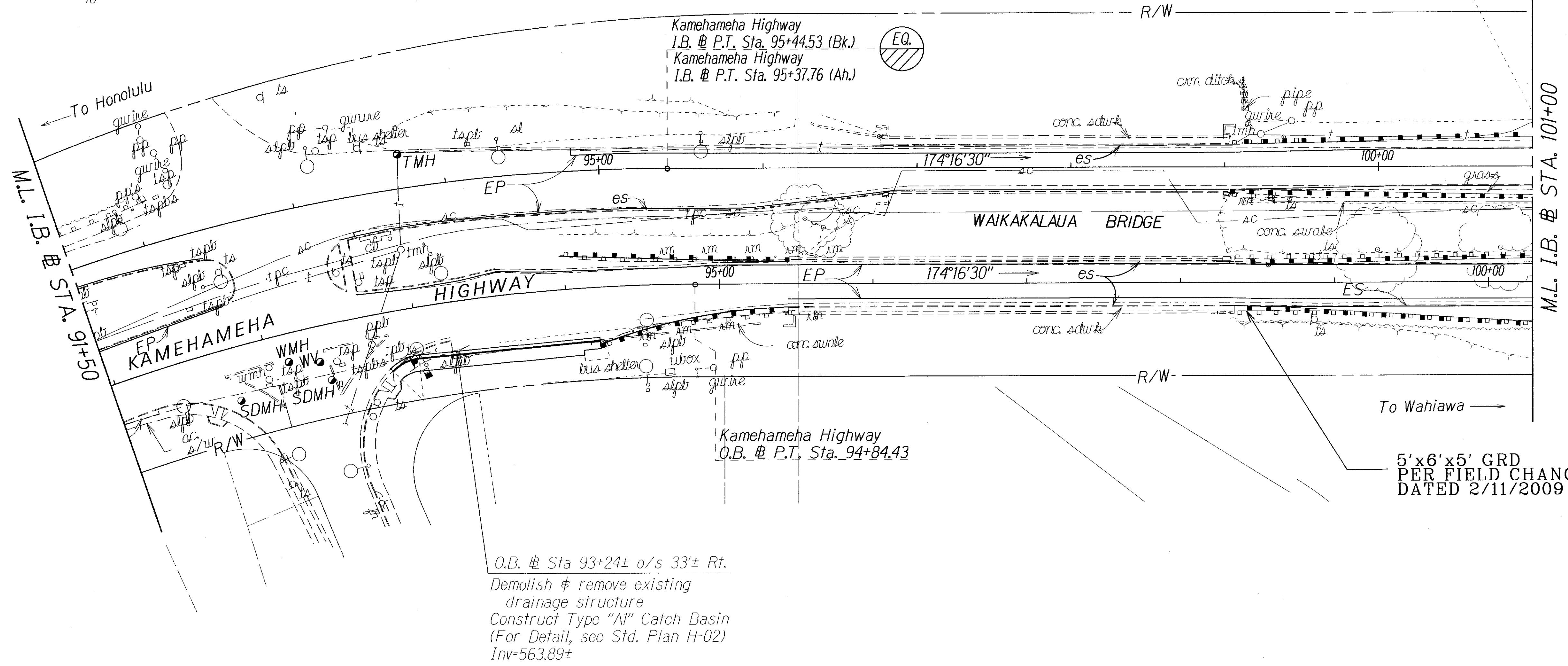
SHEET No. H1 OF 13 SHEETS

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

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-099-1(24)	2007	40	74

TRUE NORTH
SCALE : 1" = 40'



5'x6'x5' GRD
PER FIELD CHANGE NO.13
DATED 2/11/2009

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

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

DRAINAGE PLAN

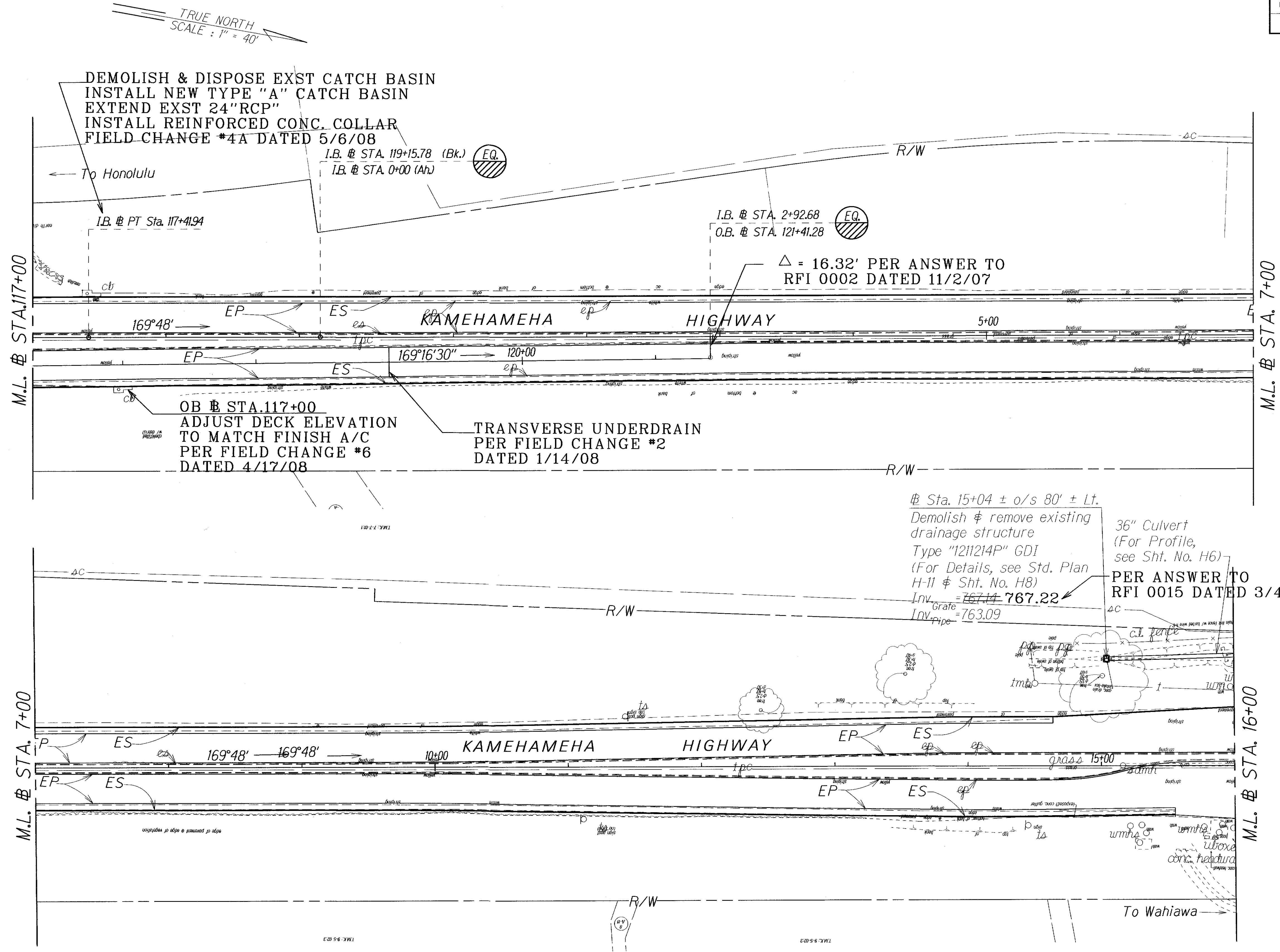
KAMEHAMEHA HIGHWAY REHABILITATION
WAIHAU STREET to H-2 INTERCHANGE
FEDERAL AID PROJECT NO. NH-099-1(24)

Scale: 1"=40'

Date: August, 2006

SHEET No. H2 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-099-1(24)	2007	42	74



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DRAWN BY		
NOTED BY		
CHECKED BY		

LEGEND FOR AS-BUILT POSTINGS	
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Roadway	Text for as-built posting

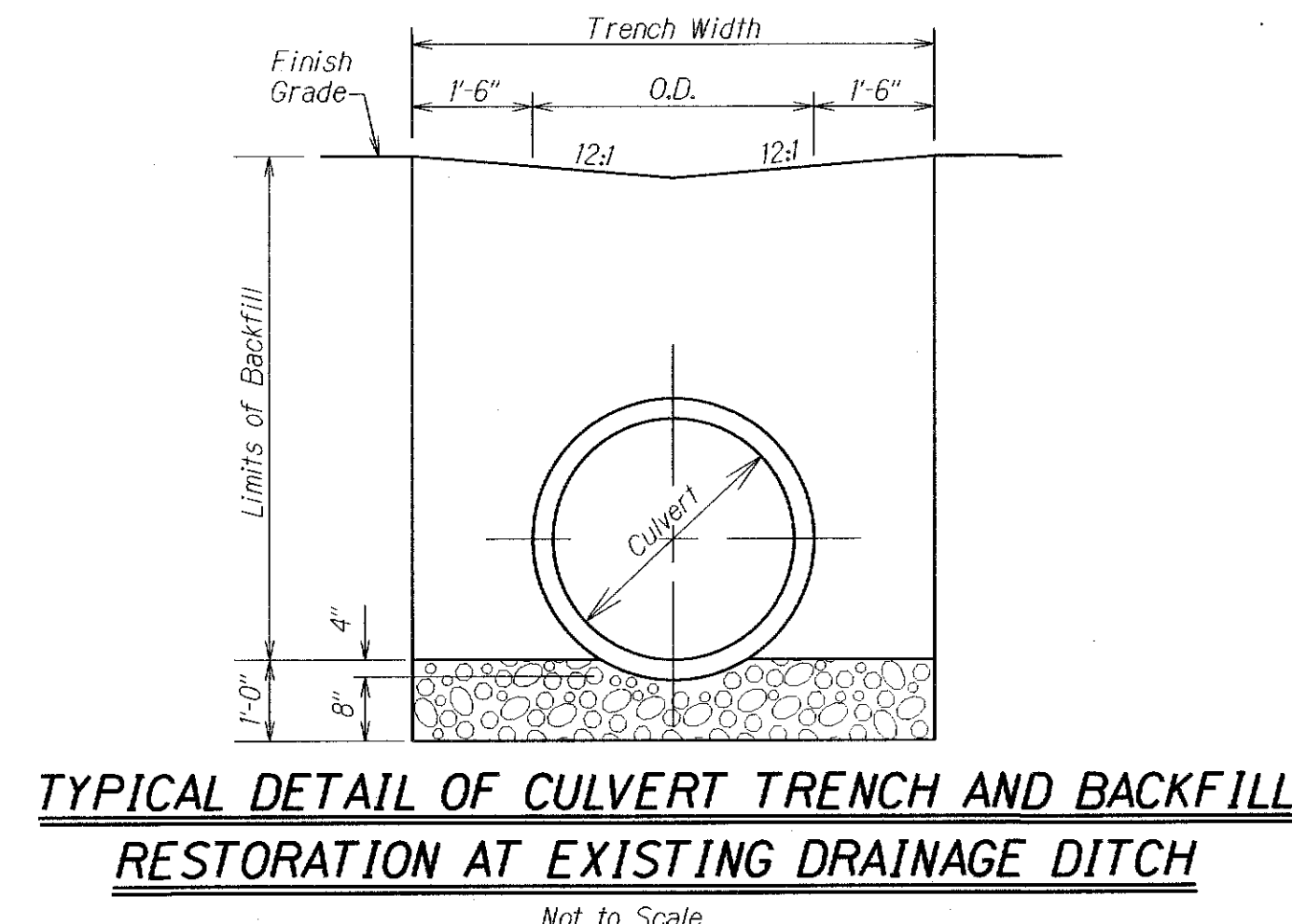
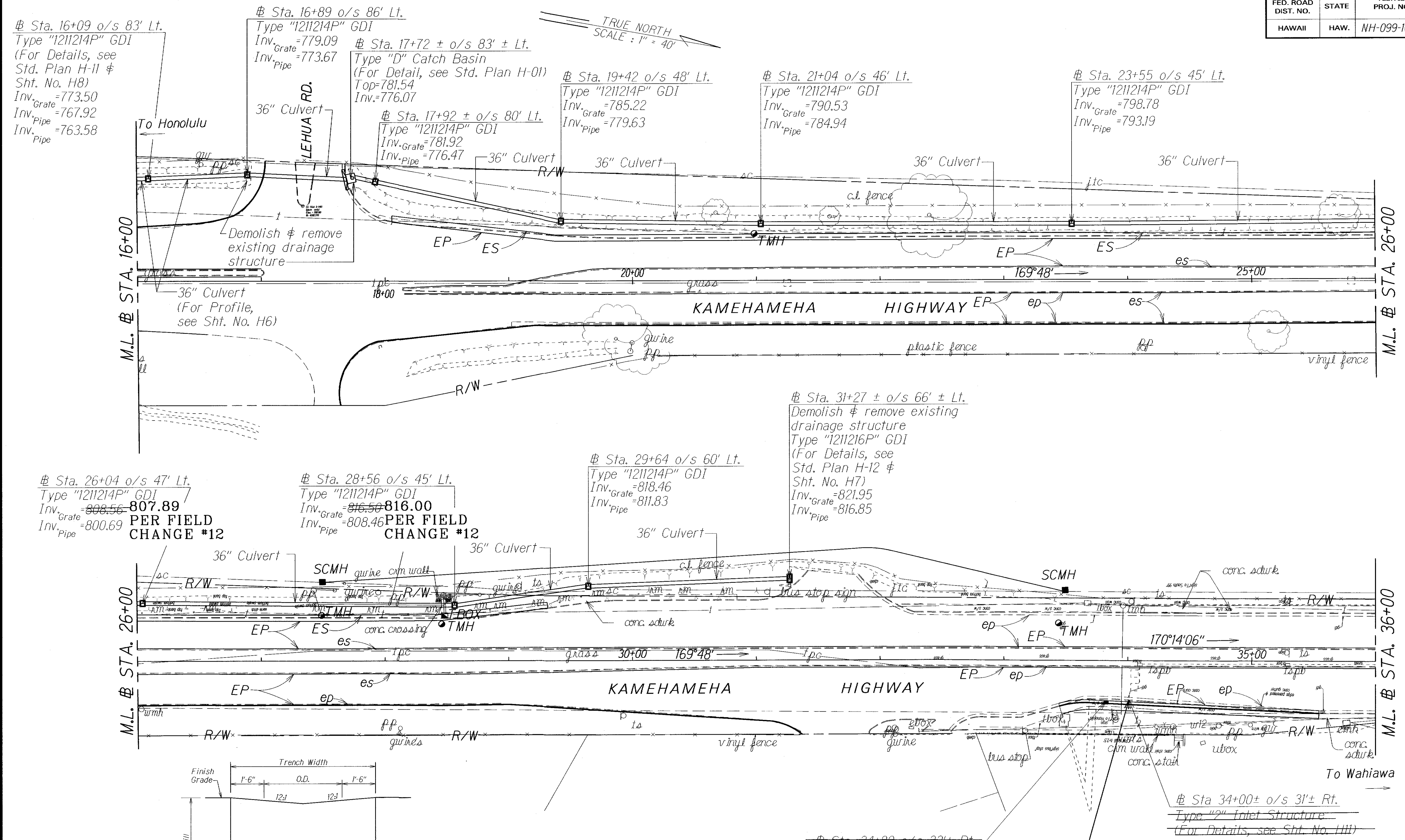
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN

KAMEHAMEHA HIGHWAY REHABILITATION
WAIHAU STREET to H-2 INTERCHANGE
FEDERAL AID PROJECT NO. NH-099-1(24)

Scale: 1"=40'
Date: August, 2006

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-099-1(24)	2007	43	74



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

TYPE D1 CATCH BASIN
5.00 TO 5.99 FT
PER CONTRACT
CHANGE ORDER #09

PLANNED STRUCTURE
DELETED
PER #0020

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN

KAMEHAMEHA HIGHWAY REHABILITATION
WAIHAU STREET to H-2 INTERCHANGE
FEDERAL AID PROJECT NO. NH-099-1(24)

Scale: 1"=40' Date: August, 2006

SHEET No. H5 OF 13 SHEETS

"AS-BUILT"