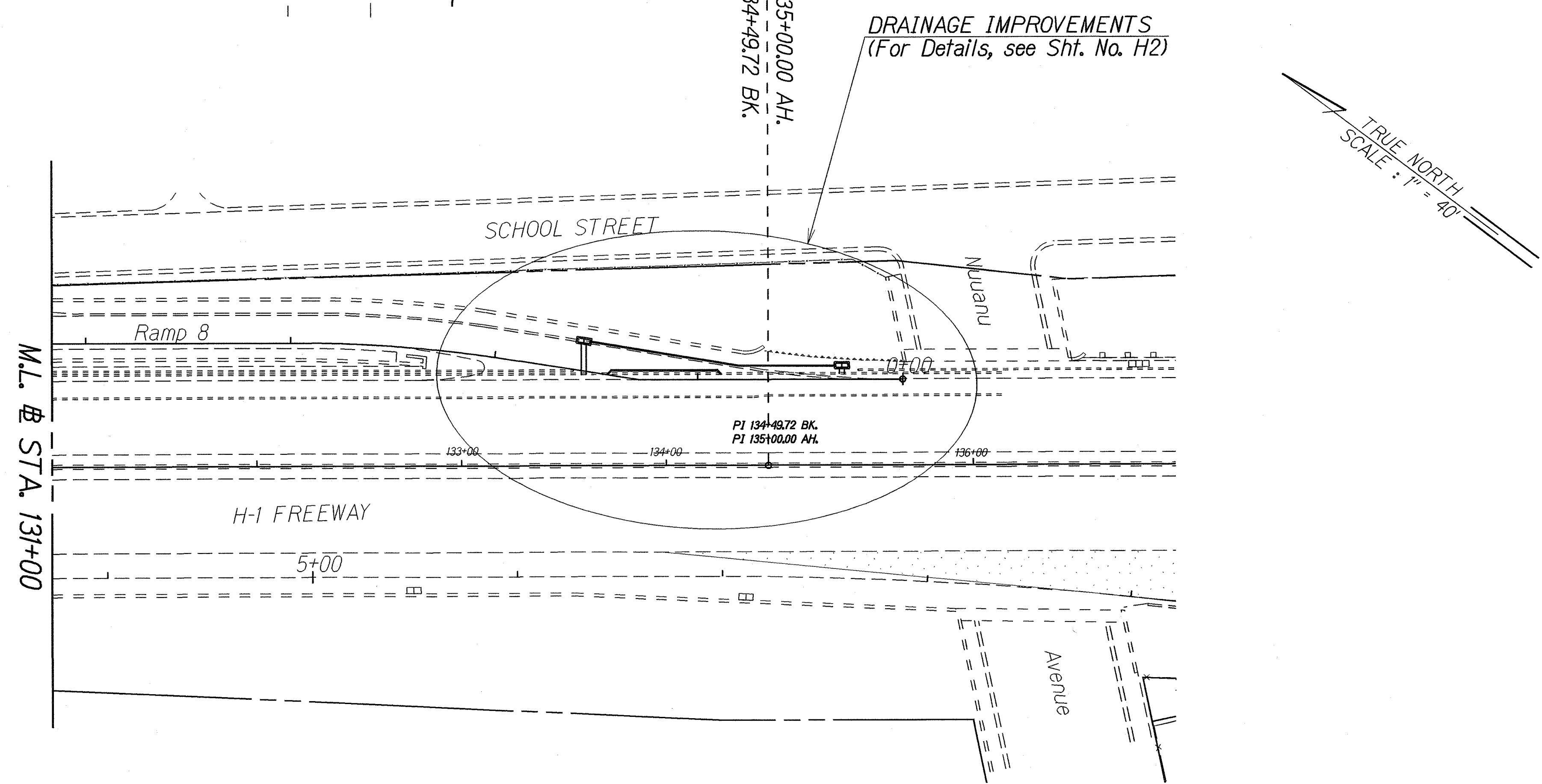
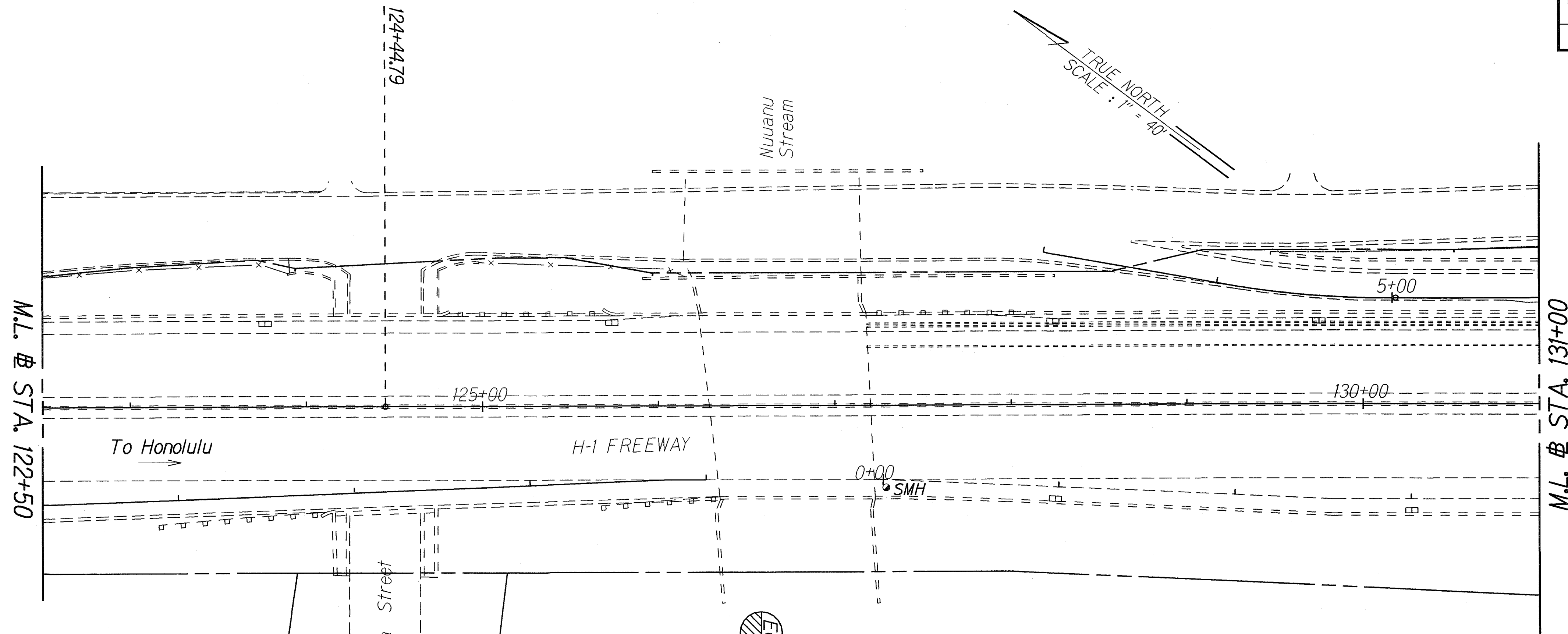


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H11-01-09	2009	61	73



DATE	01/02/09
SURVEY PLOTTED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
DATE	01/02/09

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN

INTERSTATE ROUTE H-1

DRAINAGE IMPROVEMENTS

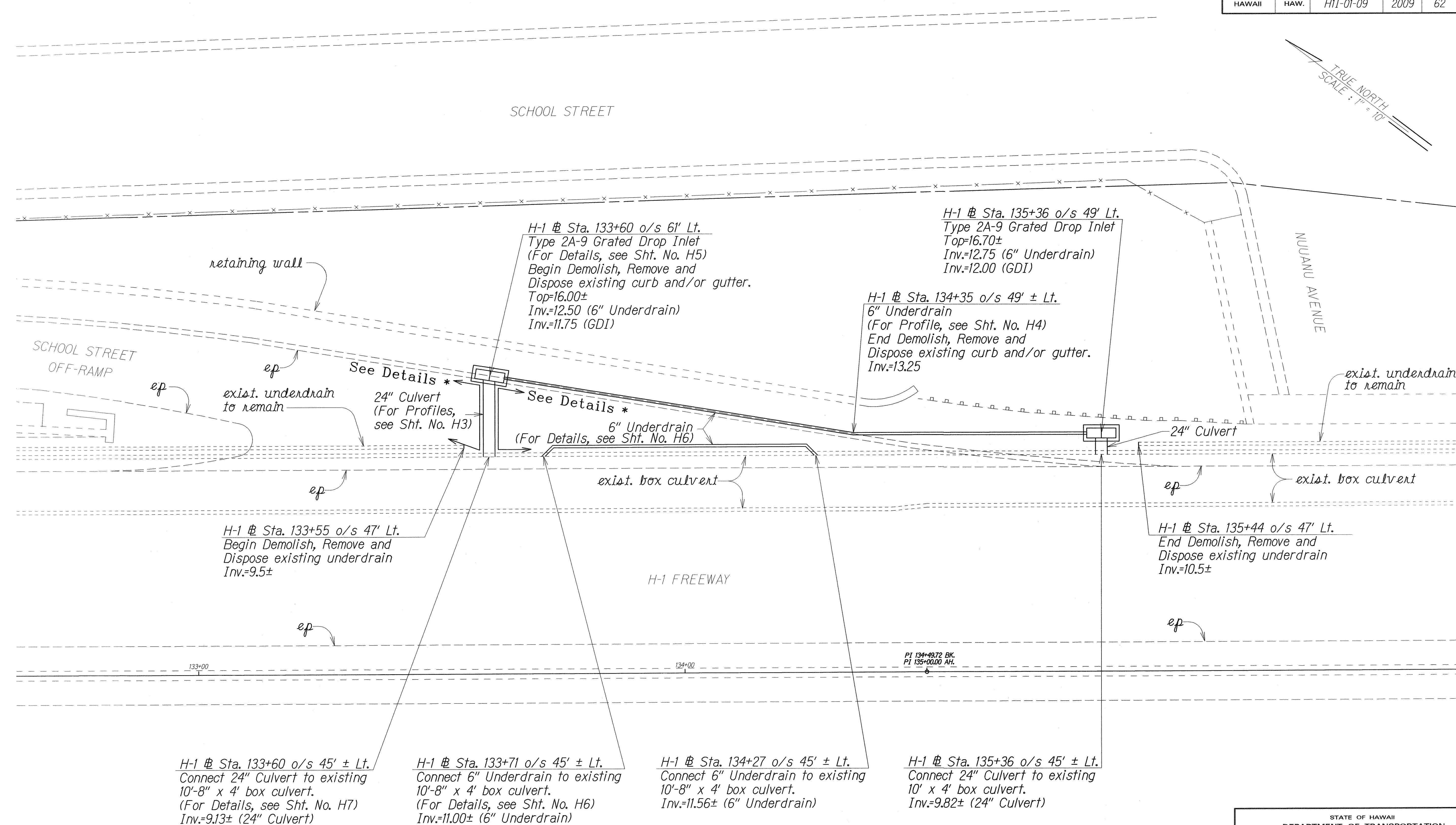
Vicinity of School Street Off-Ramp

Project No. H11-01-09

Scale: 1" = 40'
Date: March, 2009

SHEET No. H1 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H11-01-09	2009	62	73



Note:
Demolish, remove and dispose existing underdrain and existing curb and/or gutter. This work shall not be paid for separately but shall be considered incidental to the various contract items.

Details *
Existing 8" PCC pavement w/6x6 6/6 wire mesh located under existing AC pavement
Limits of extent unknown
See attachments

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

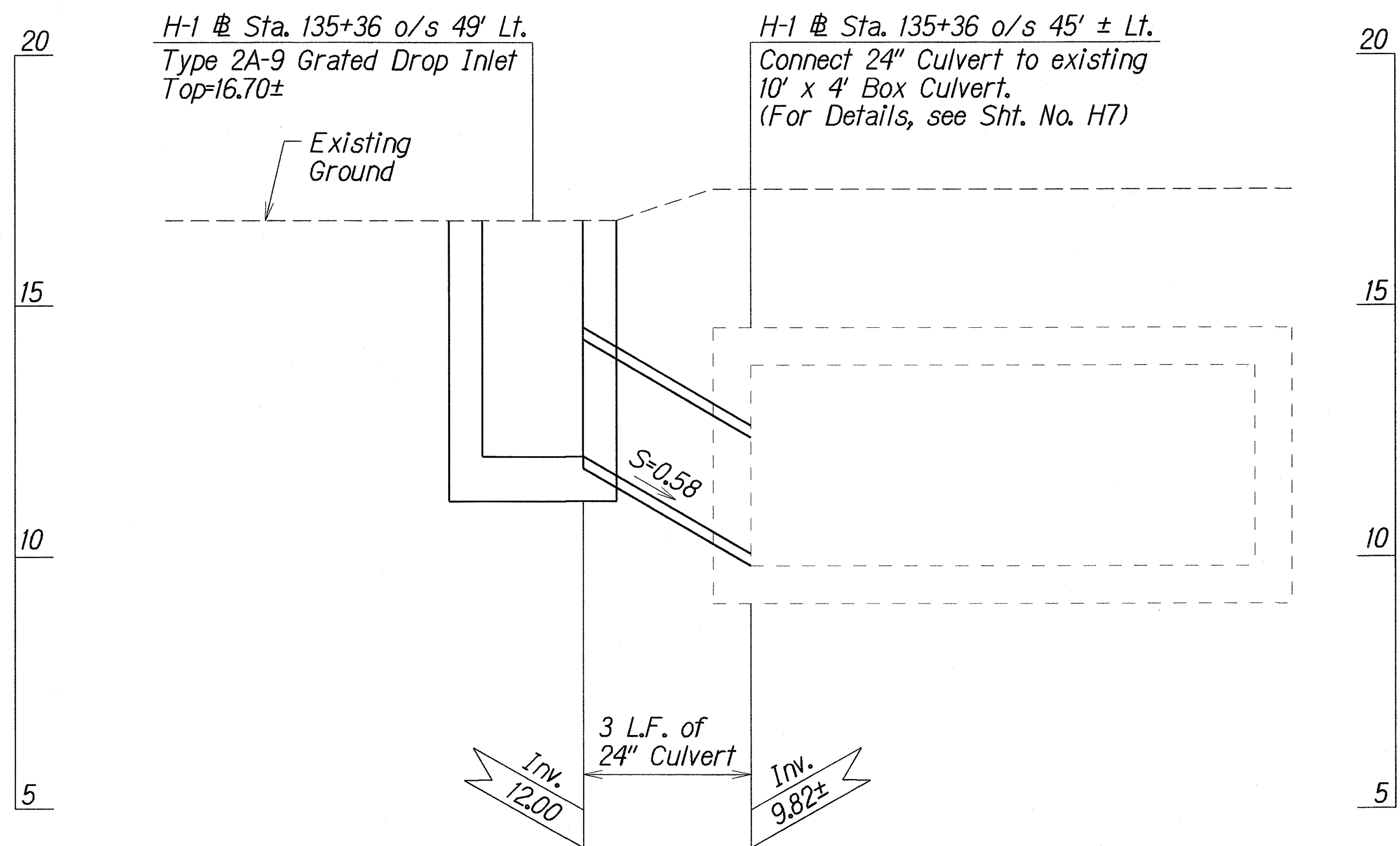
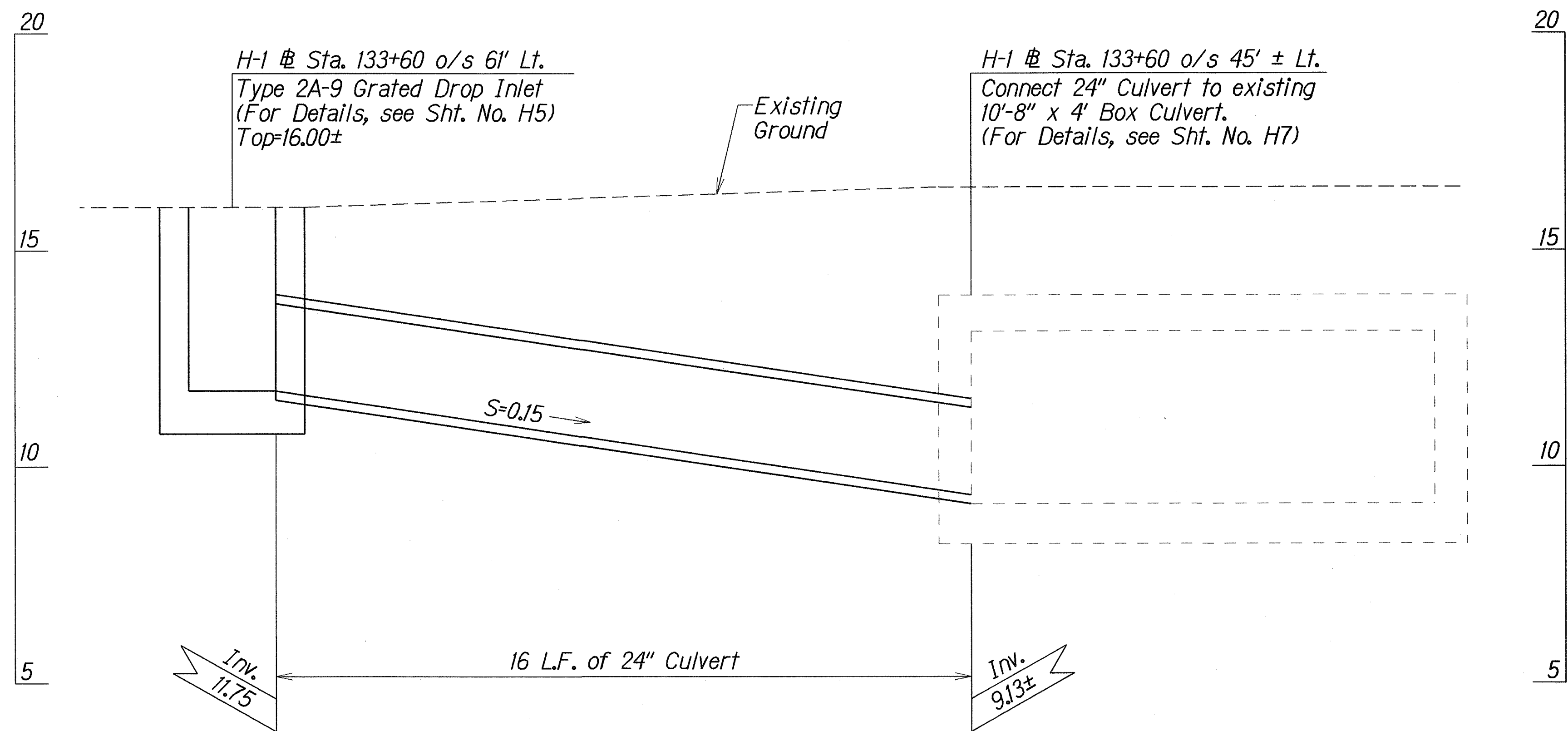
DRAINAGE PLAN
INTERSTATE ROUTE H-1
DRAINAGE IMPROVEMENTS
Vicinity of School Street Off-Ramp
Project No. H11-01-09
Scale: 1"=10' Date: March, 2009

SHEET No. H2 OF 7 SHEETS

SURVEY PLOTTED BY	DATE
DESIGNED BY	10/02/08
TRACED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE: BOOK	
3/21/11/02/09	
dh2jones	

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H11-01-09	2009	63	73



DRAIN LINE PROFILES

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED	DRAWN BY	01/02/09
DESIGNED BY	TRACED BY	
CHECKED BY	DESIGNED BY	
	CHECKED BY	

dh2,lon,ca

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PROFILE

INTERSTATE ROUTE H-1

DRAINAGE IMPROVEMENTS

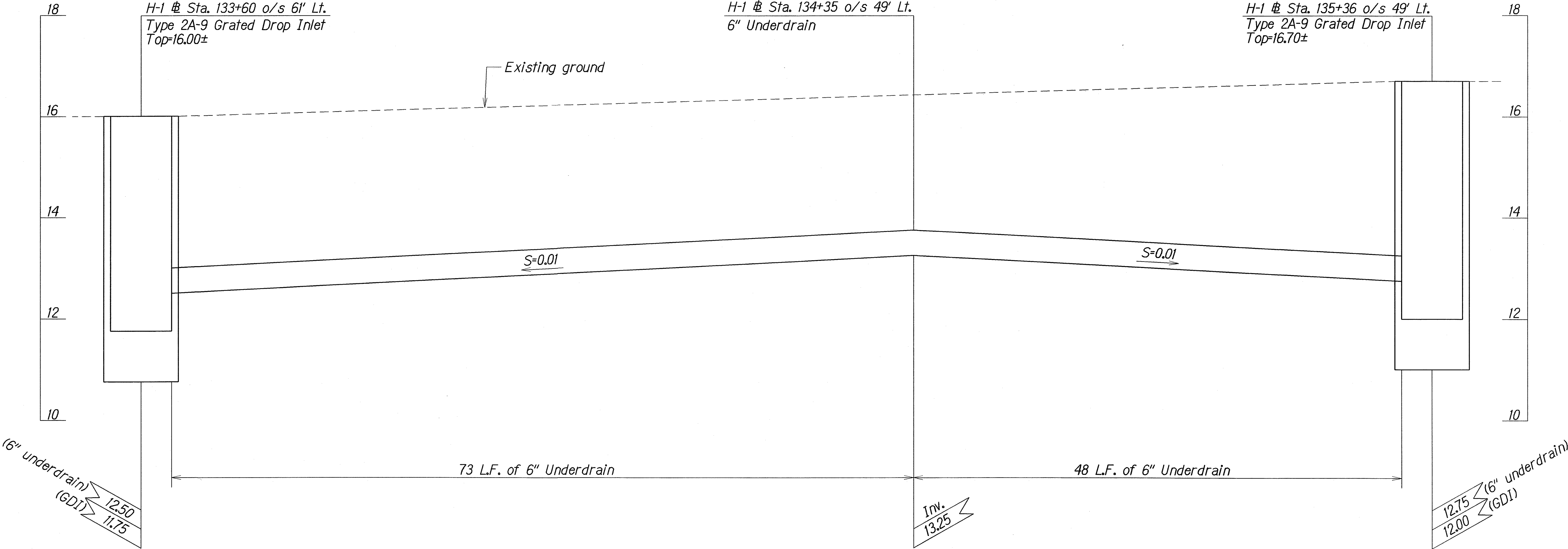
Vicinity of School Street Off-Ramp

Project No. H11-01-09

Scale: 1"=2' Date: March, 2009

SHEET No. H3 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HII-01-09	2009	64	73



6" UNDERDRAIN PROFILE - H-1 @ Sta. 133+60 o/s 61' LT. to H-1 @ Sta. 135+36 o/s 49' LT.

Scale: Horizontal 1" = 5'
Vertical 1" = 1'

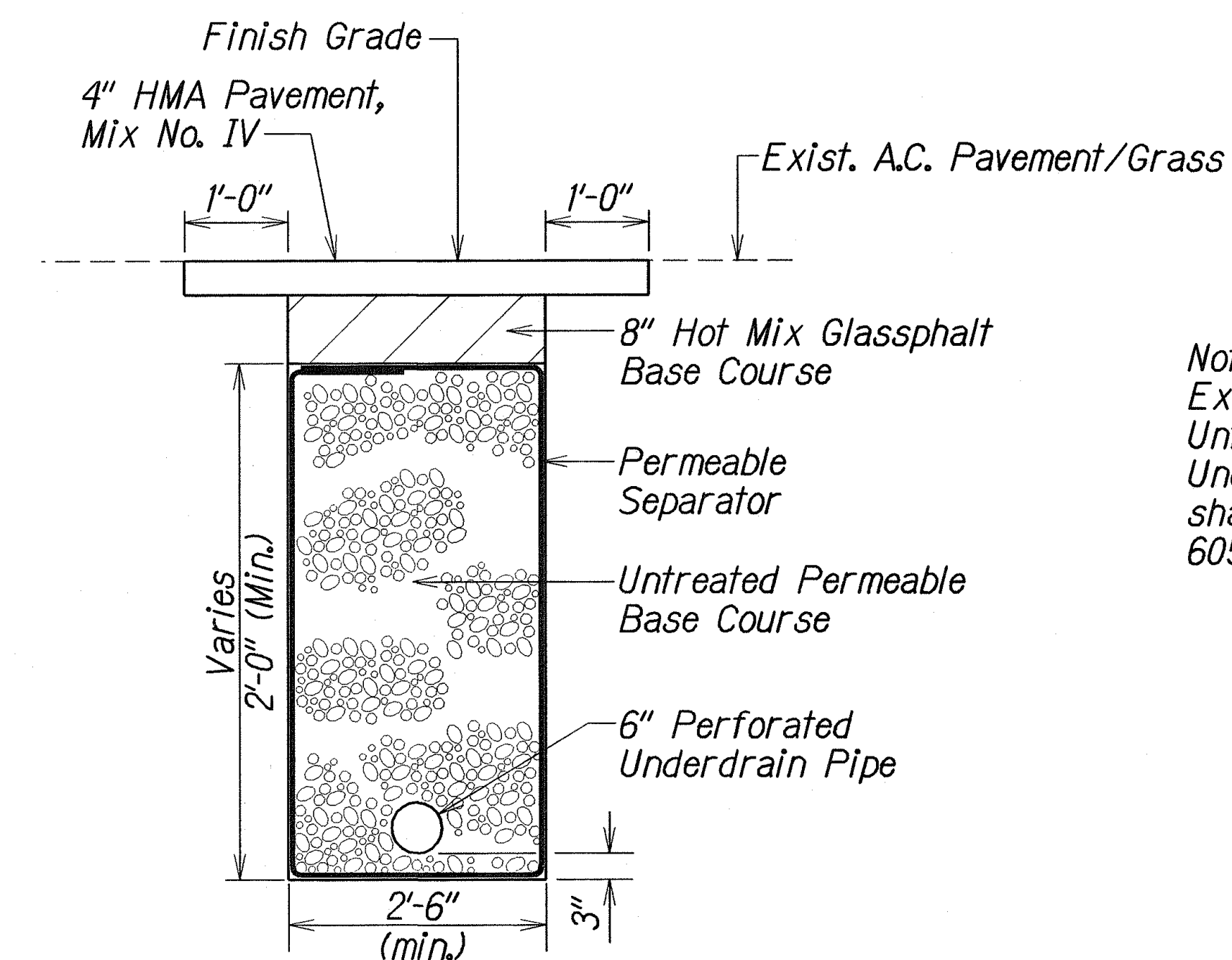
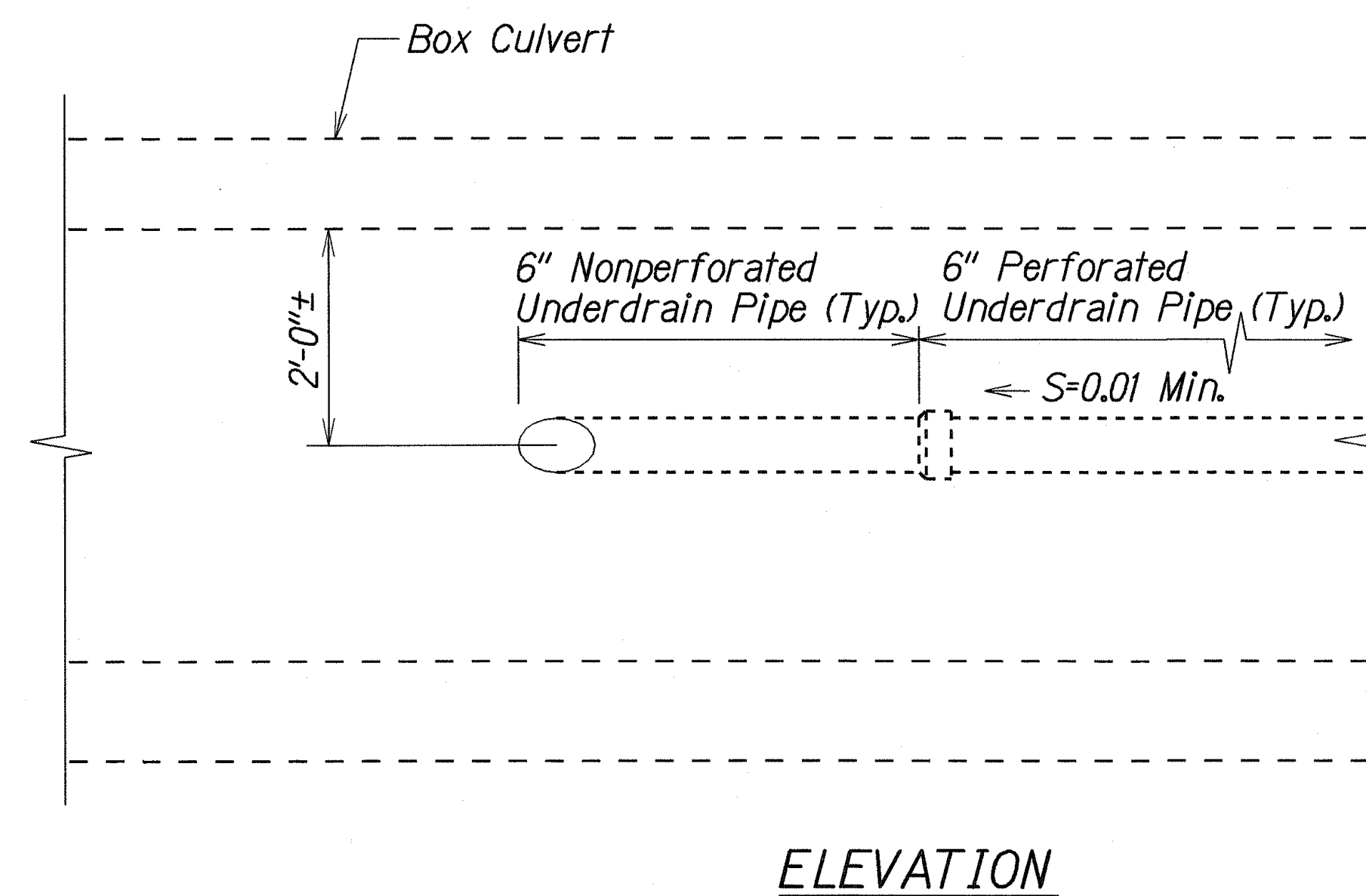
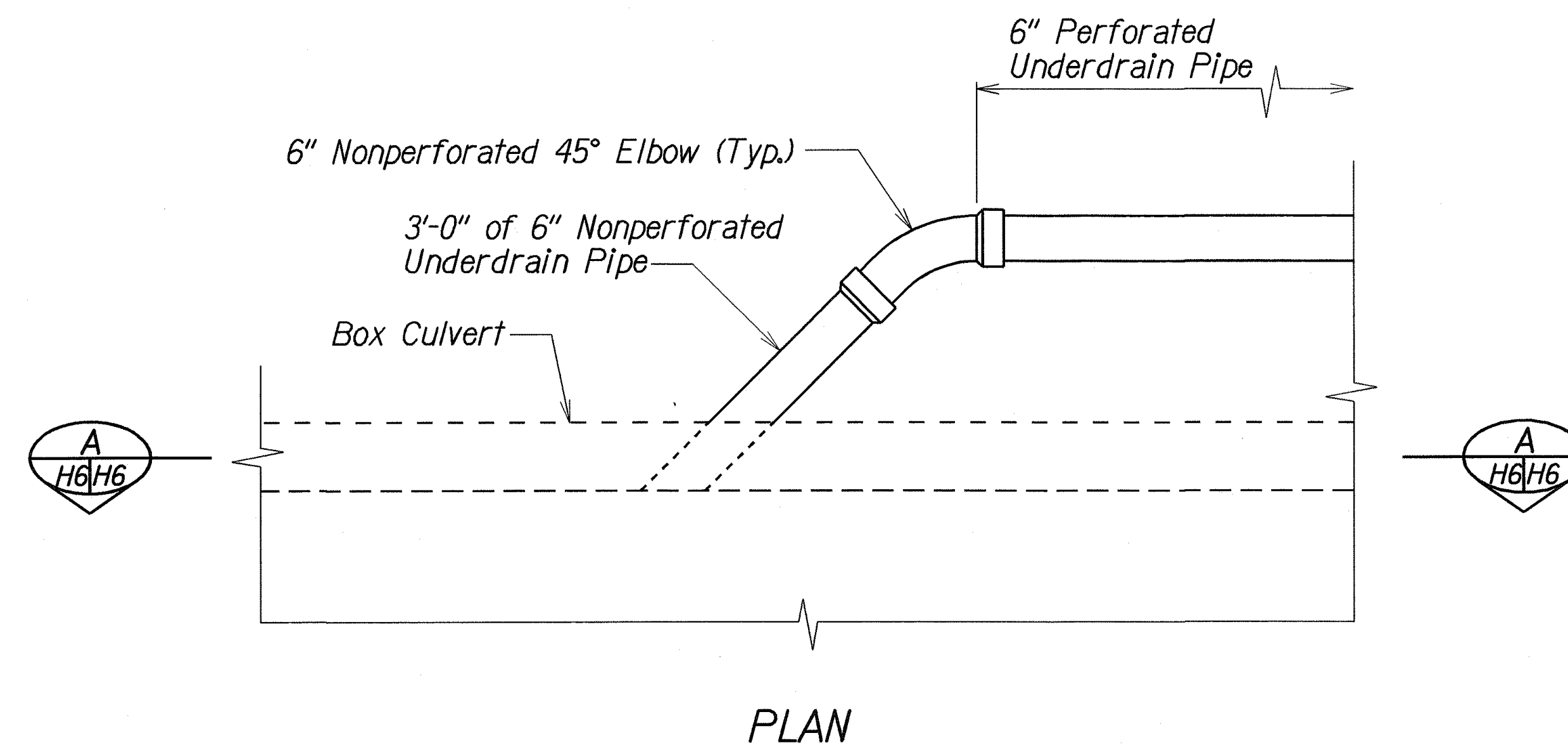
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	07/02/09
07/16/09/1.50h	REVIEWED BY	
07/16/09/1.50h	QUANTITIES BY	
07/16/09/1.50h	CHECKED BY	

07/16/09/1.50h

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PROFILE
INTERSTATE ROUTE H-1
DRAINAGE IMPROVEMENTS
Vicinity of School Street Off-Ramp
Project No. HII-01-09
Scale: As Shown Date: March, 2009

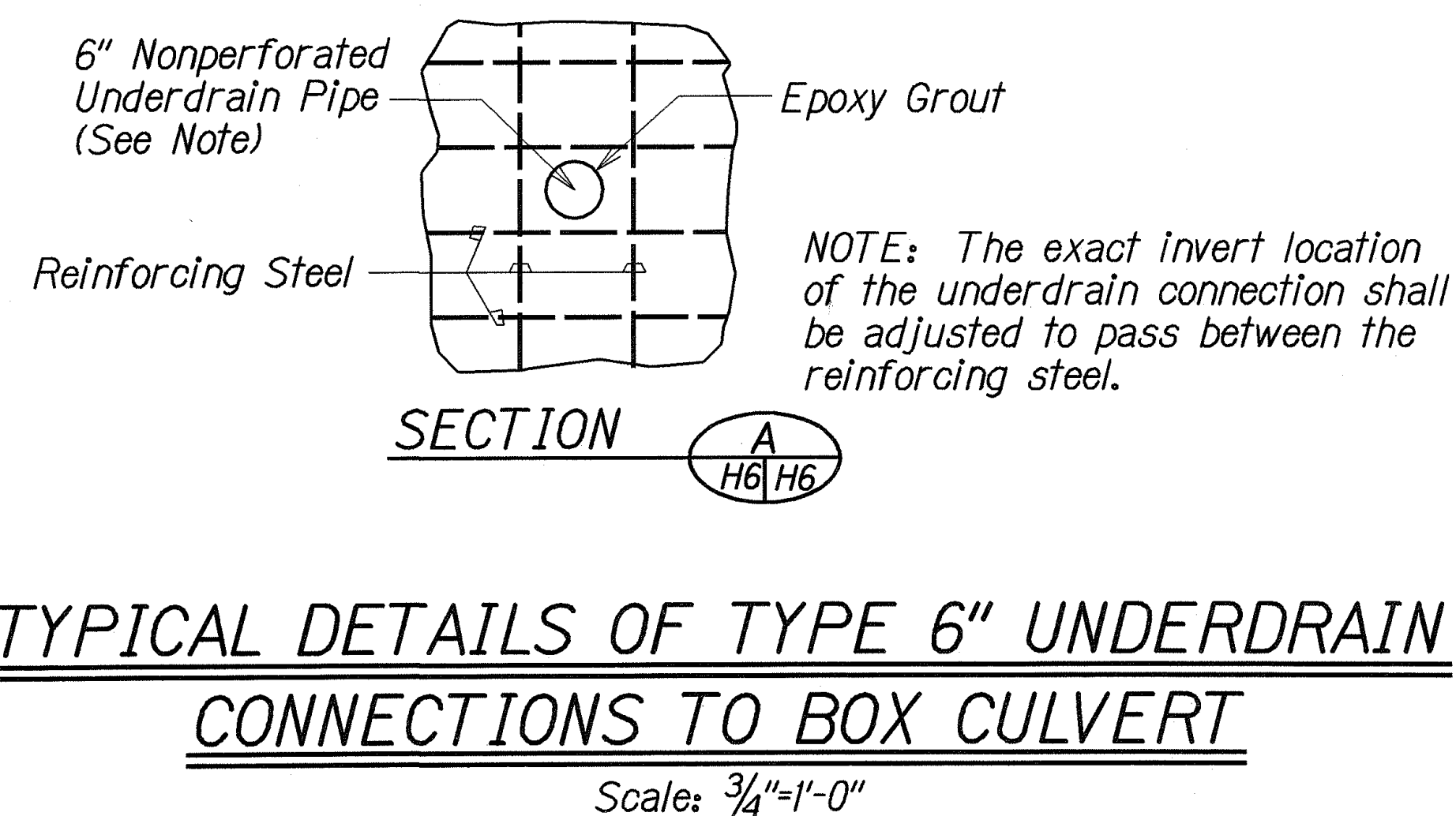
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H11-01-09	2009	66	73



Note:
Excavation for 6" Underdrain, Permeable Separator, Untreated Permeable Base Course, and 6" Perforated Underdrain Pipe shall not be paid for separately but shall be considered incidental to Contract Item No. 605.1000 - 6-Inch Underdrain.

TYPICAL DETAILS OF 6" UNDERDRAIN

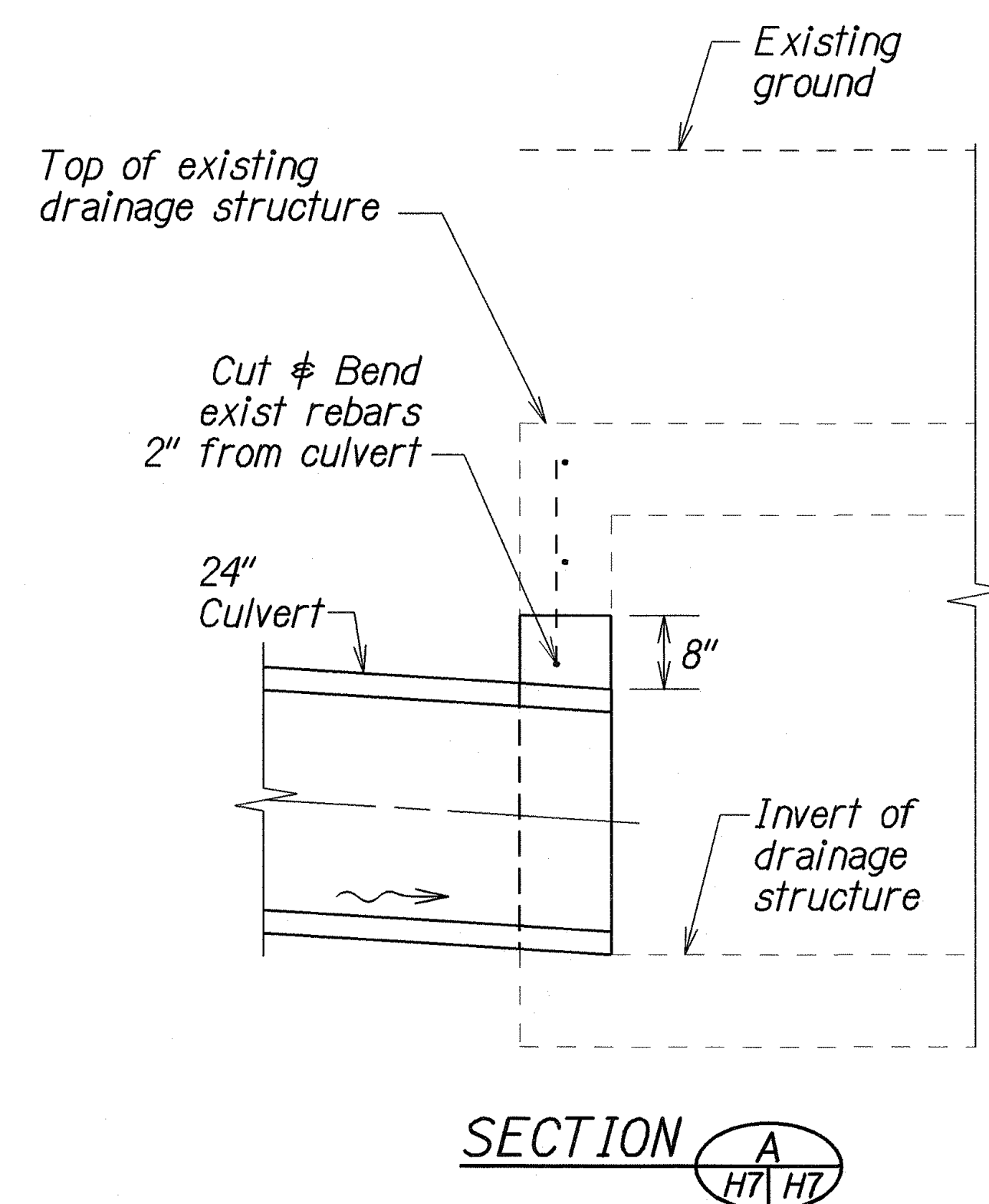
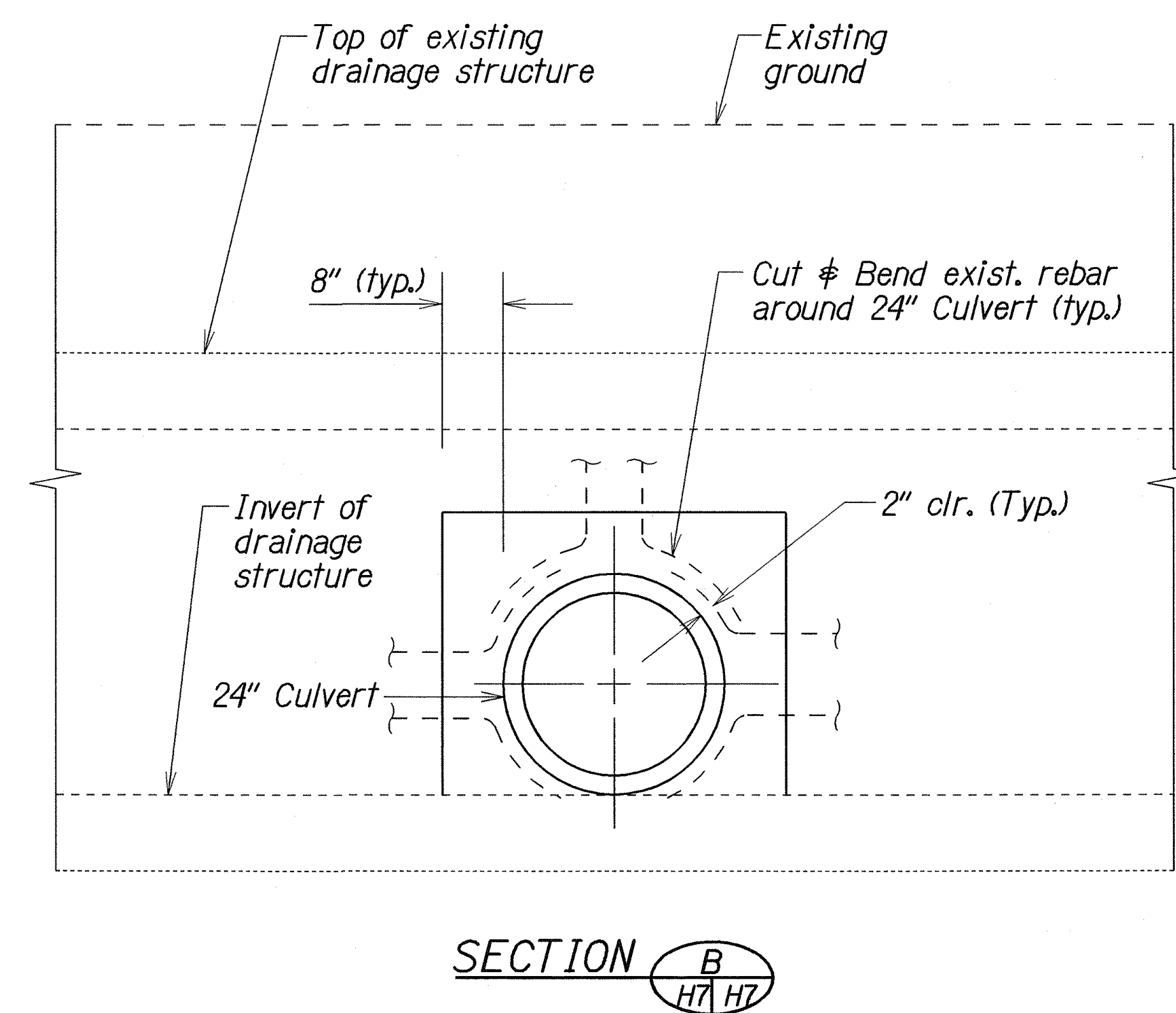
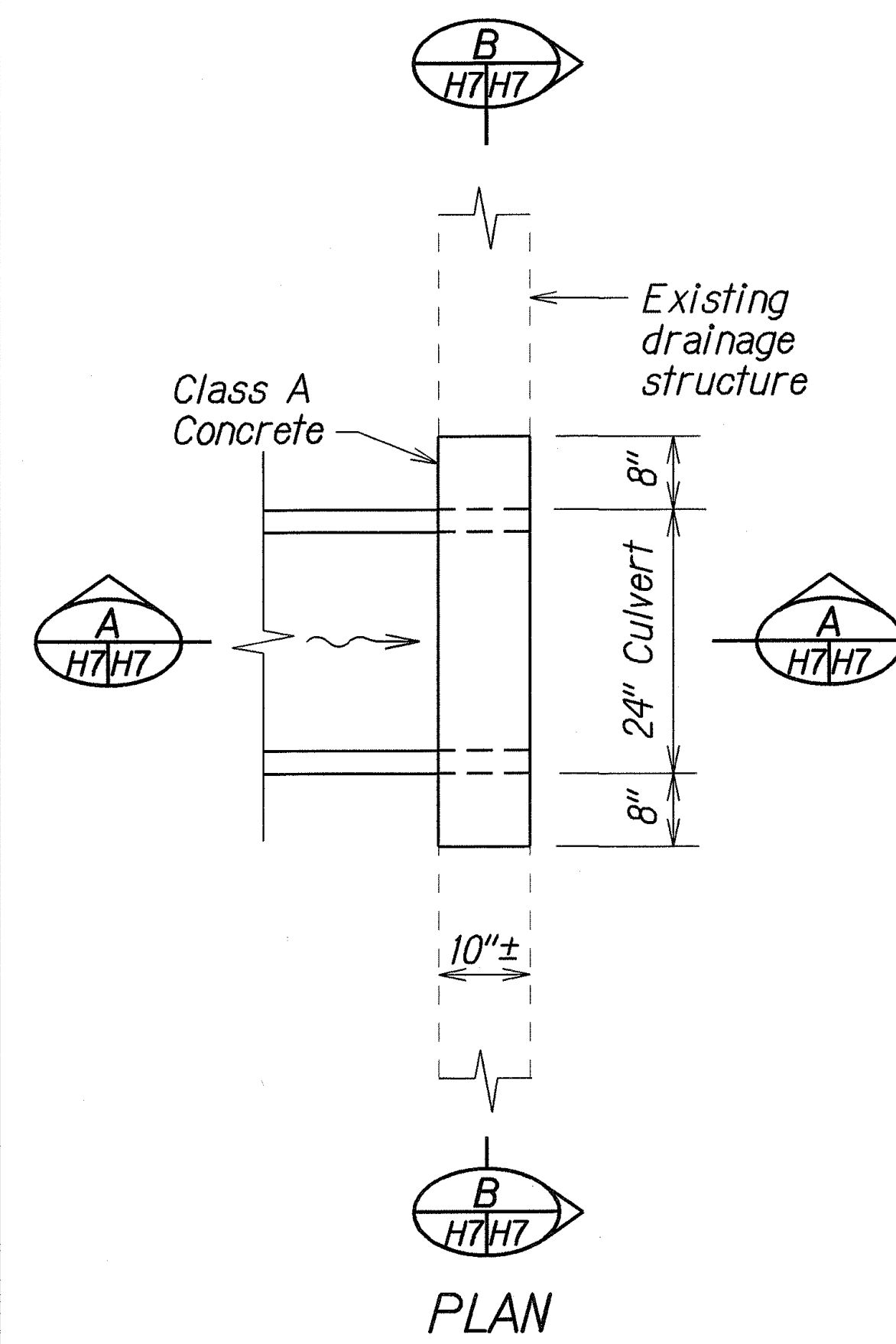
Scale: $\frac{3}{4}$ "=1'-0"



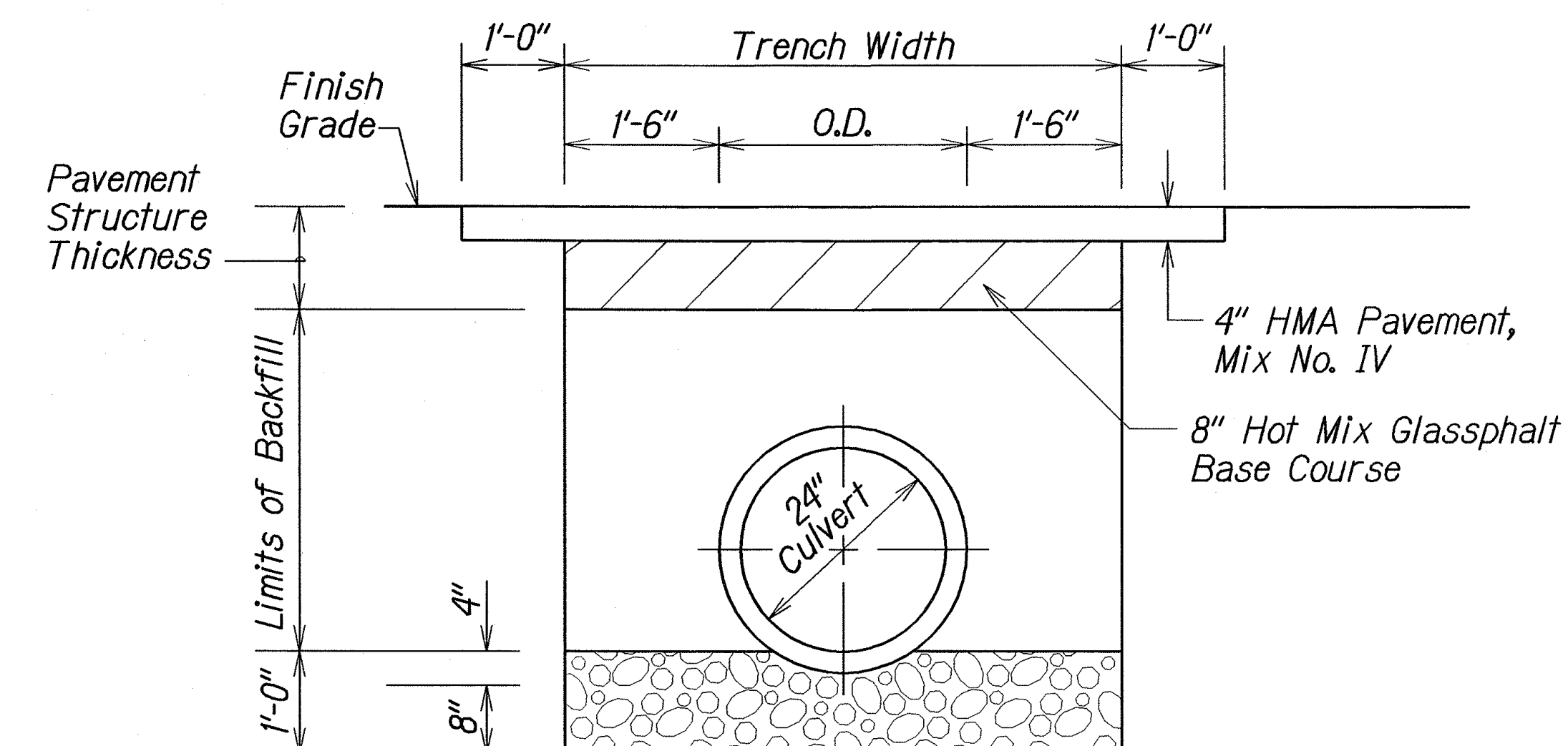
ORIGINAL PLAN	DATE	2/11/09
DRAWN BY	DATE	
DESIGNED BY	DATE	
CHECKED BY	DATE	

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<u>DRAINAGE DETAILS</u>	
<u>INTERSTATE ROUTE H-1</u>	
<u>DRAINAGE IMPROVEMENTS</u>	
<u>Vicinity of School Street Off-Ramp</u>	
<u>Project No. H11-01-09</u>	
Scale: As Shown	Date: March, 2009
SHEET No. H6 OF 7 SHEETS	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H11-01-09	2009	67	73



DETAIL OF 24" CULVERT CONNECTION TO EXISTING DRAINAGE STRUCTURE



ORIGINAL PLAN	DATE	2/25/08
DESIGNED BY	TRACED BY	
NOTED BY	DESIGNED BY	
QUANTITIES BY	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS
INTERSTATE ROUTE H-1
DRAINAGE IMPROVEMENTS
Vicinity of School Street Off-Ramp
Project No. H11-01-09

Scale: 3/4"=1'-0" Date: March, 2009

SHEET No. H7 OF 7 SHEETS