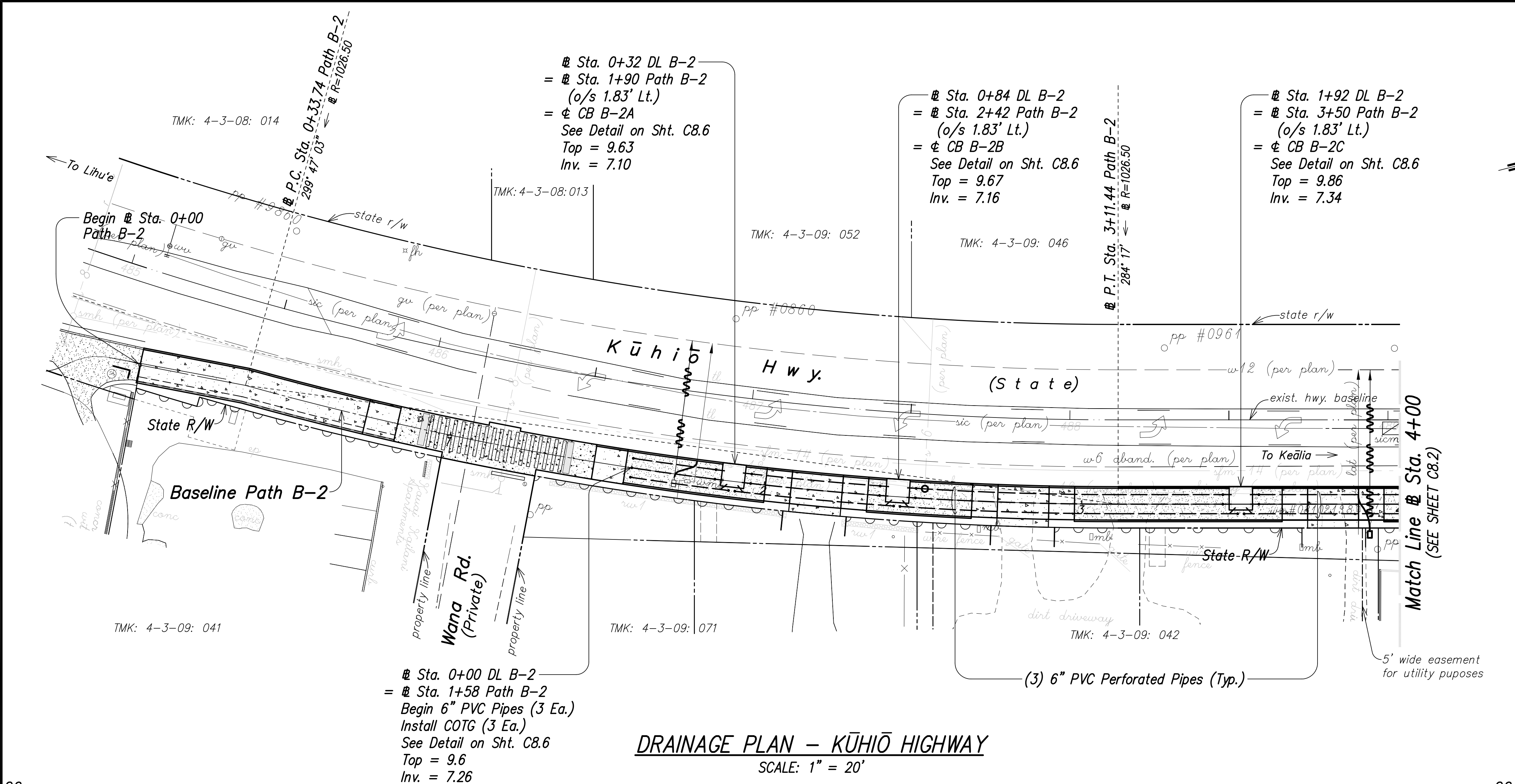


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(61)	2011	57	143

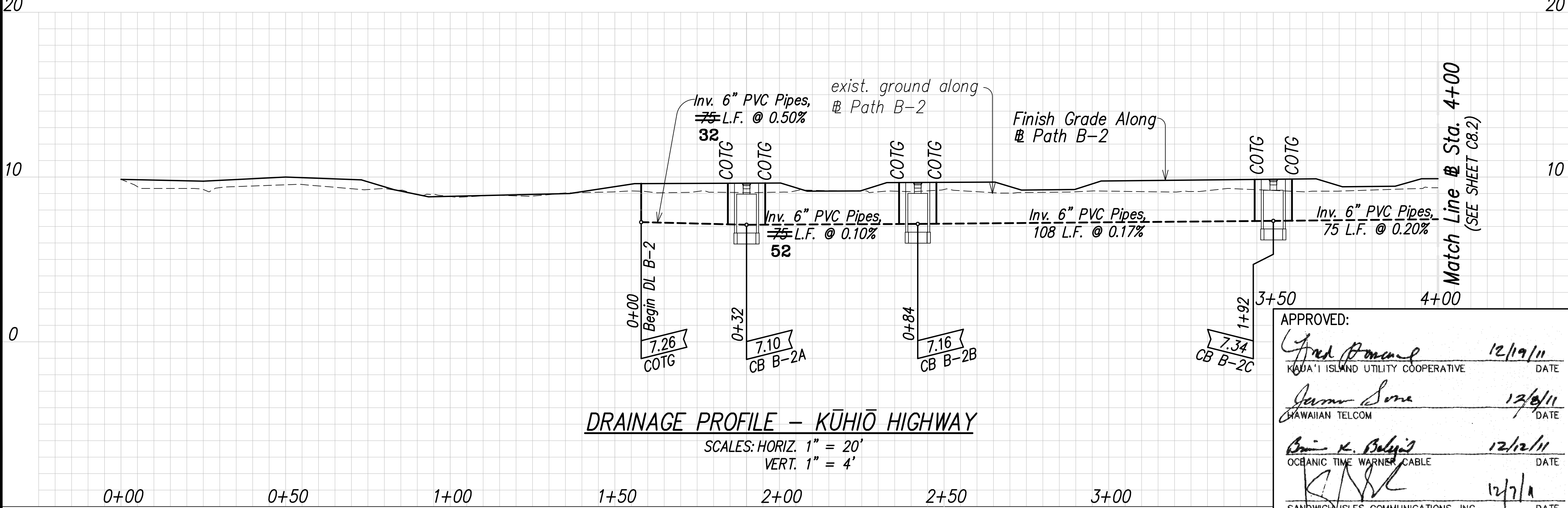


LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion

Double line for as-built deletion

Roadway Text for as-built posting



APPROVED:

12/19/11
KAPPA ISLAND UTILITY COOPERATIVE DATE

12/19/11
HAWAIIAN TELCOM DATE

12/12/11
OCEANIC TIME WARNER CABLE DATE

12/1/11
SANDWICH ISLES COMMUNICATIONS, INC. DATE

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

12/14/11
SIGNATURE EXPIRATION DATE OF THE LICENSE

COUNTY OF KAUAI
DEPARTMENT OF PUBLIC WORKS

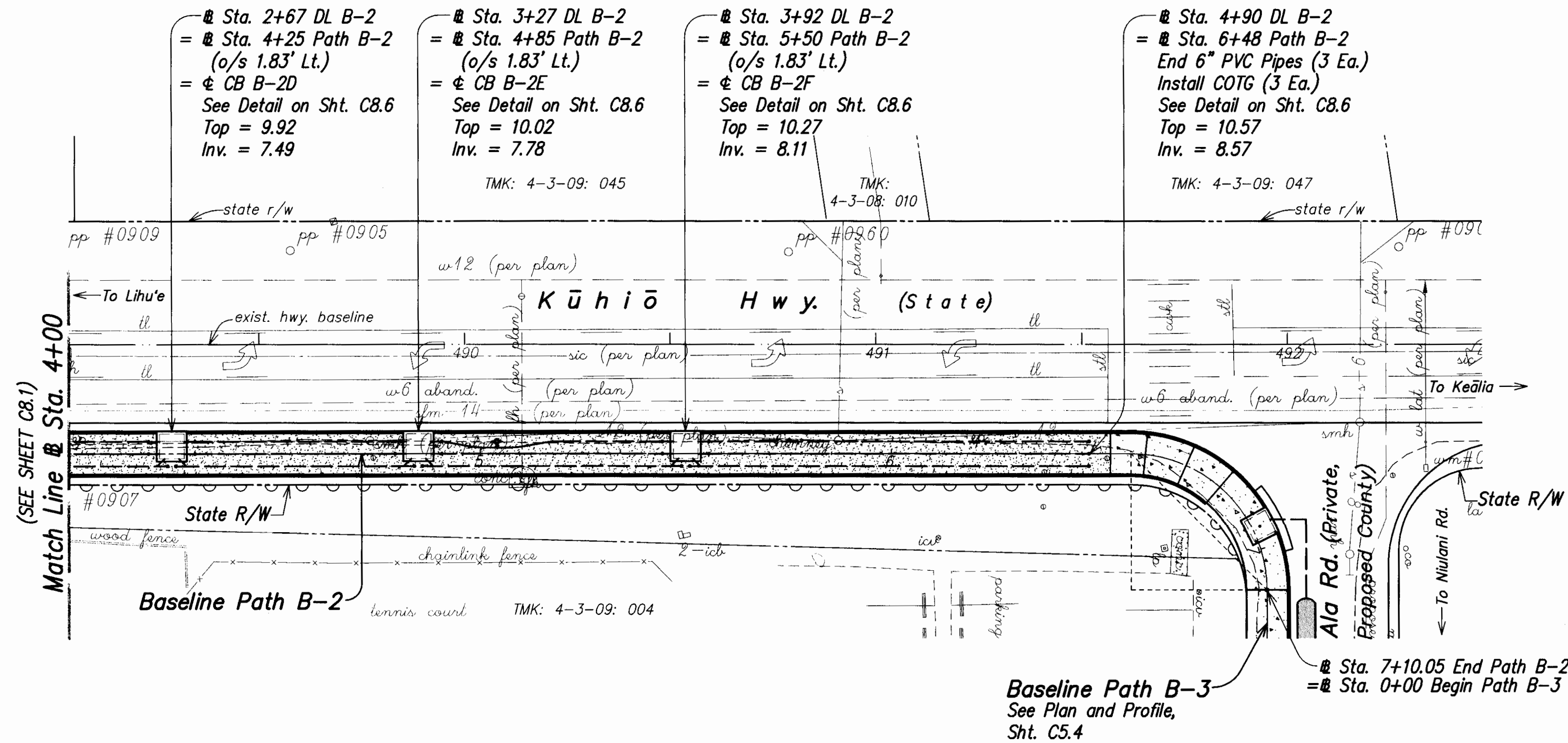
LYDGATE PARK TO KAPA'A BIKE/
PEDESTRIAN PATH PHASE B
KAPA'A, KAUAI, HAWAII

**DRAINAGE PLAN AND PROFILE
KŪHIŌ HIGHWAY**

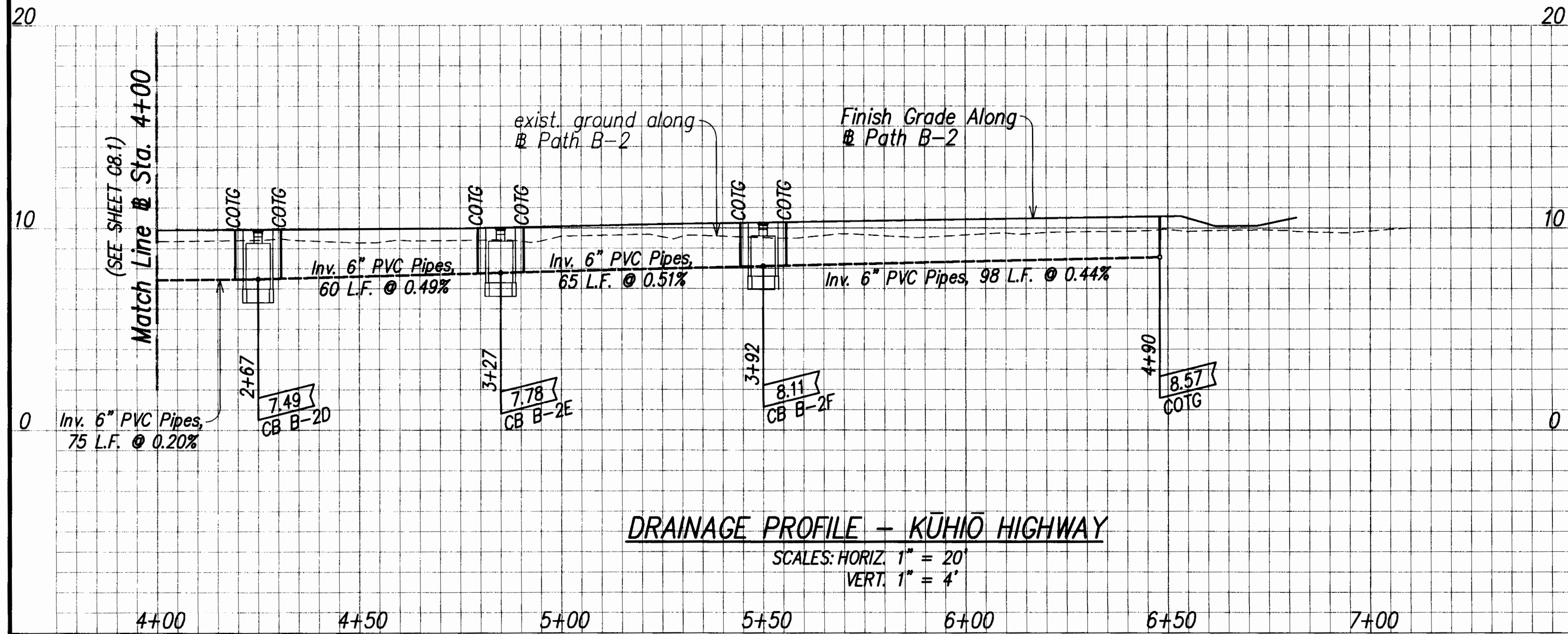
FEDERAL-AID PROJECT NO. STP-0700(61)
DATE: NOVEMBER 2011

DRAWN BY: NGA	F.B.	C.B.	SHEET
TRACED BY: RMA			C8.1
CHECKED BY:			OF SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(61)	2011	58	143



DRAINAGE PLAN - KUHIO HIGHWAY
SCALE: 1" = 20'



DRAINAGE PROFILE - KUHIO HIGHWAY
SCALES: HORIZ. 1" = 20'
VERT. 1" = 4'

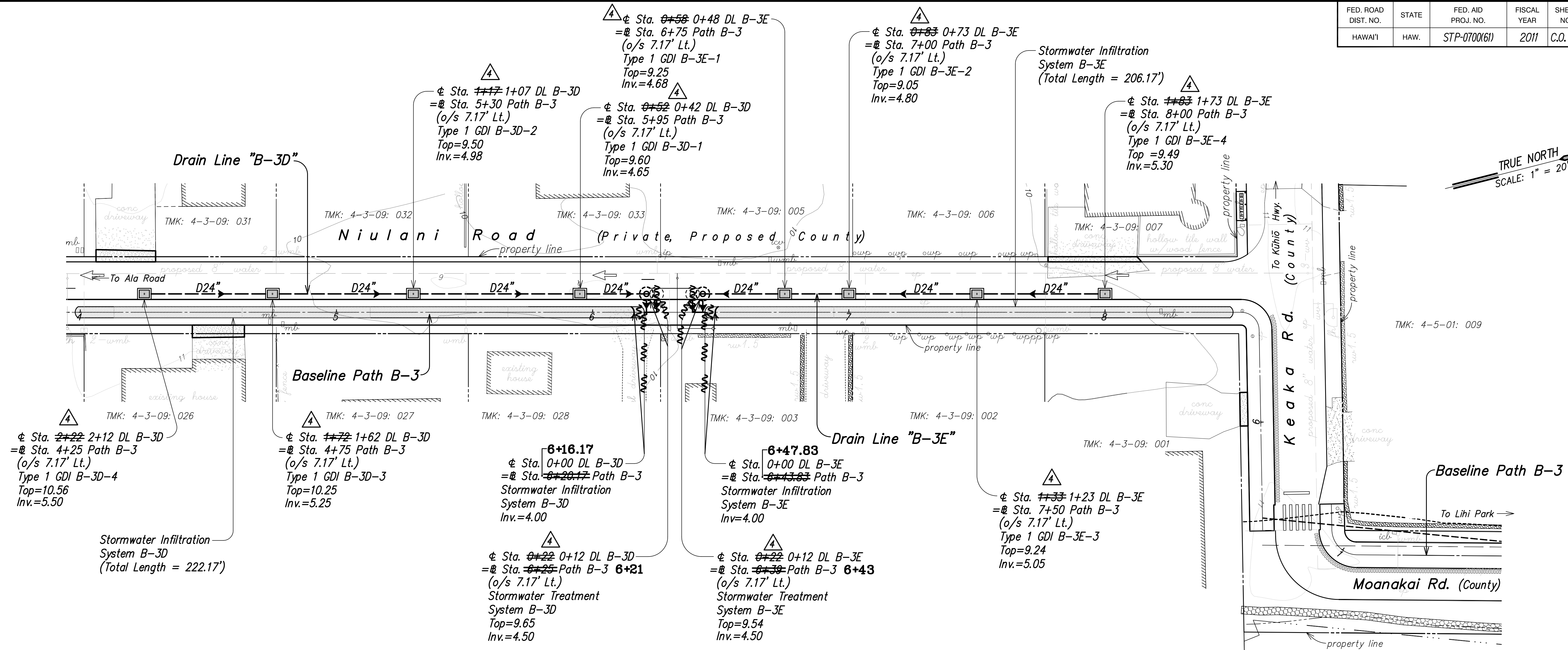
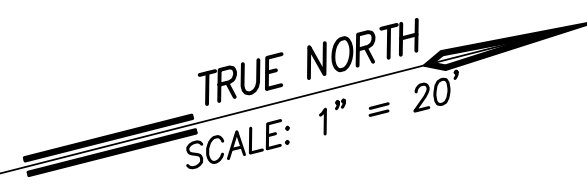
APPROVED:
[Signature] 12/19/11
KAUAI ISLAND UTILITY COOPERATIVE DATE
[Signature] 12/8/11
HAWAIIAN TELCOM DATE
[Signature] 12/12/11
OCEANIC TIME WARNER CABLE DATE
[Signature] 12/7/11
SANDWICH ISLES COMMUNICATIONS, INC. DATE

RUSSELL M. ARAMAKI
LICENSED PROFESSIONAL ENGINEER
No. 8297-C
HAWAII, U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
[Signature] 4-30-12
SIGNATURE EXPIRATION DATE OF THE LICENSE

COUNTY OF KAUAI
DEPARTMENT OF PUBLIC WORKS
LYDGATE PARK TO KAPA'A BIKE/PEDESTRIAN PATH PHASE B
KAPA'A, KAUAI, HAWAII
DRAINAGE PLAN AND PROFILE
KUHIO HIGHWAY
FEDERAL-AID PROJECT NO. STP-0700(61)
DATE: NOVEMBER 2011
DRAWN BY: NGA
TRACED BY: RMA
CHECKED BY: RMA
F.B. C.B. SHEET
OF C8.2 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(61)	2011	C.O. 60	143



DRAINAGE PLAN – NIULANI ROAD
SCALE: 1" = 20'

LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion

Double line for as-built deletion

Text for as-built posting

APPROVED:

COUNTY ENGINEER (FOR WORK WITHIN COUNTY RIGHT OF WAY) DATE

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

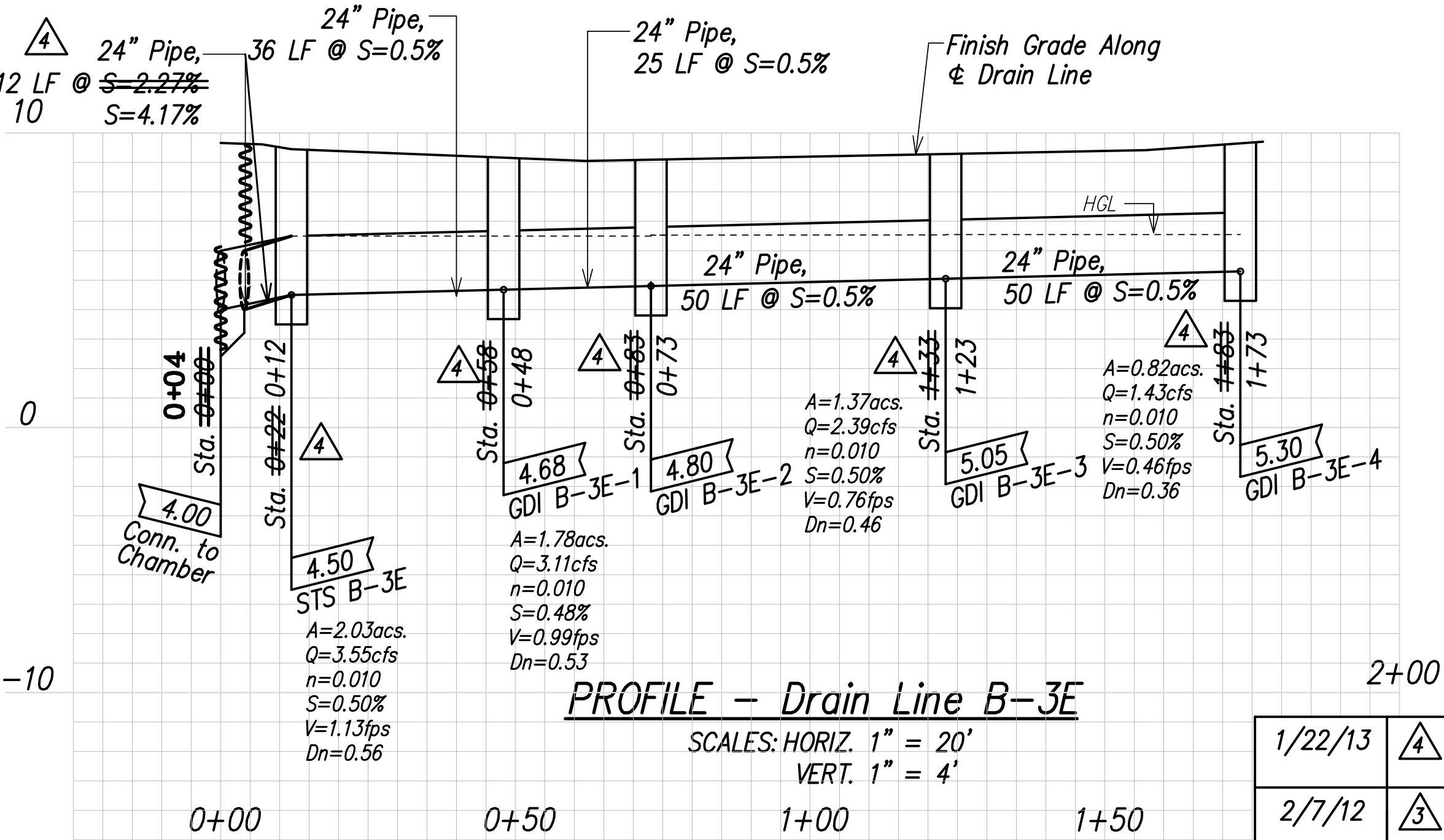
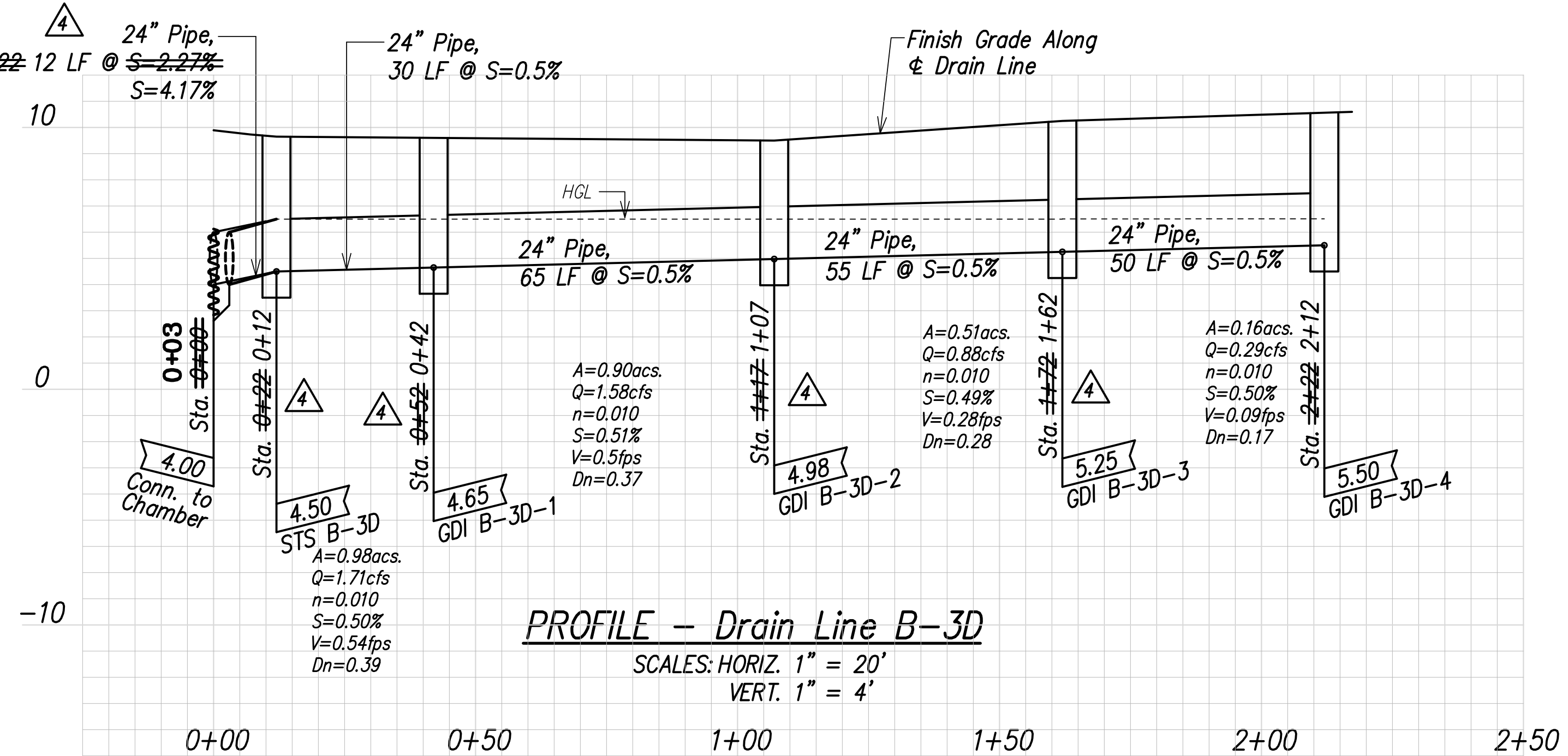
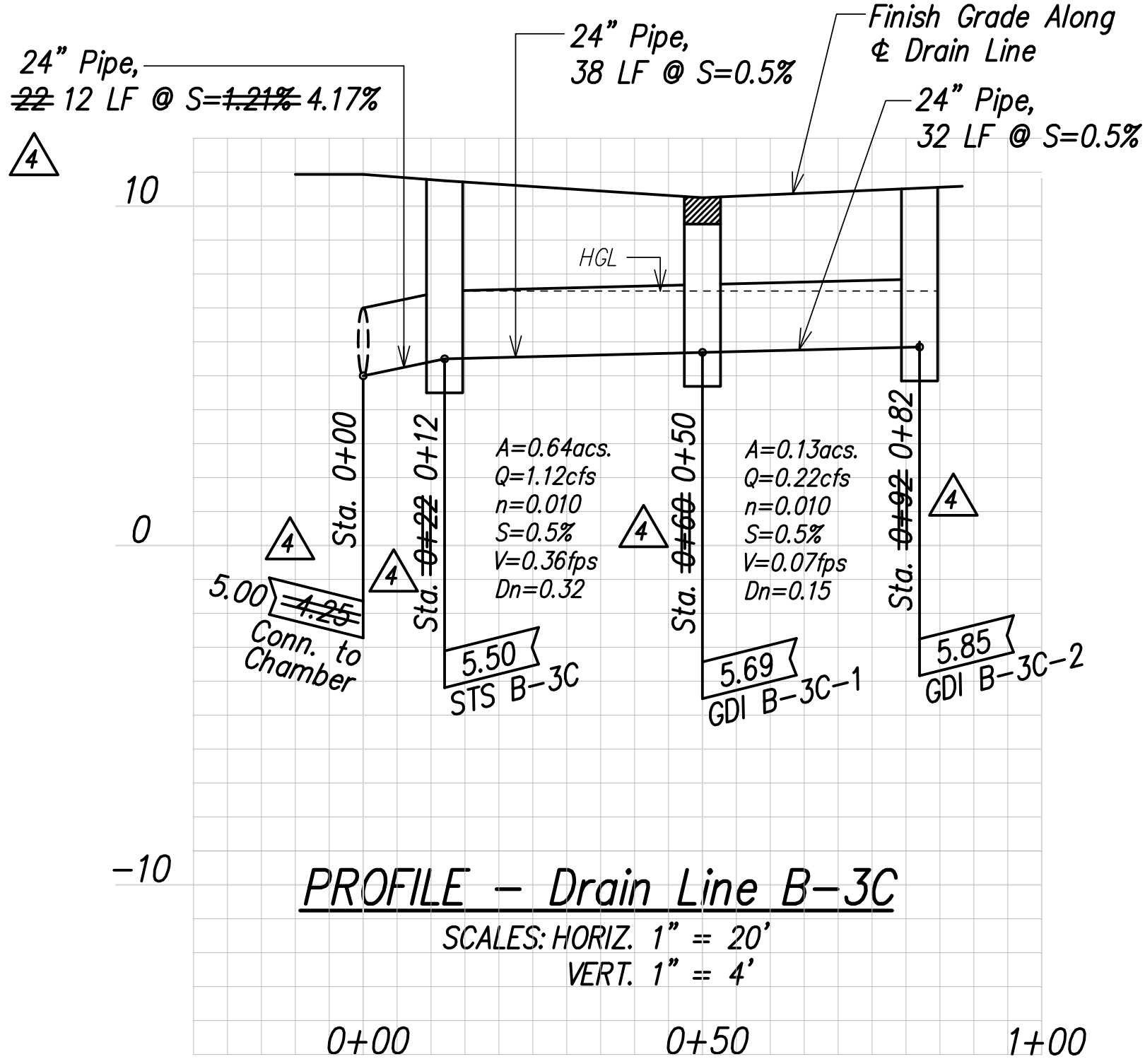
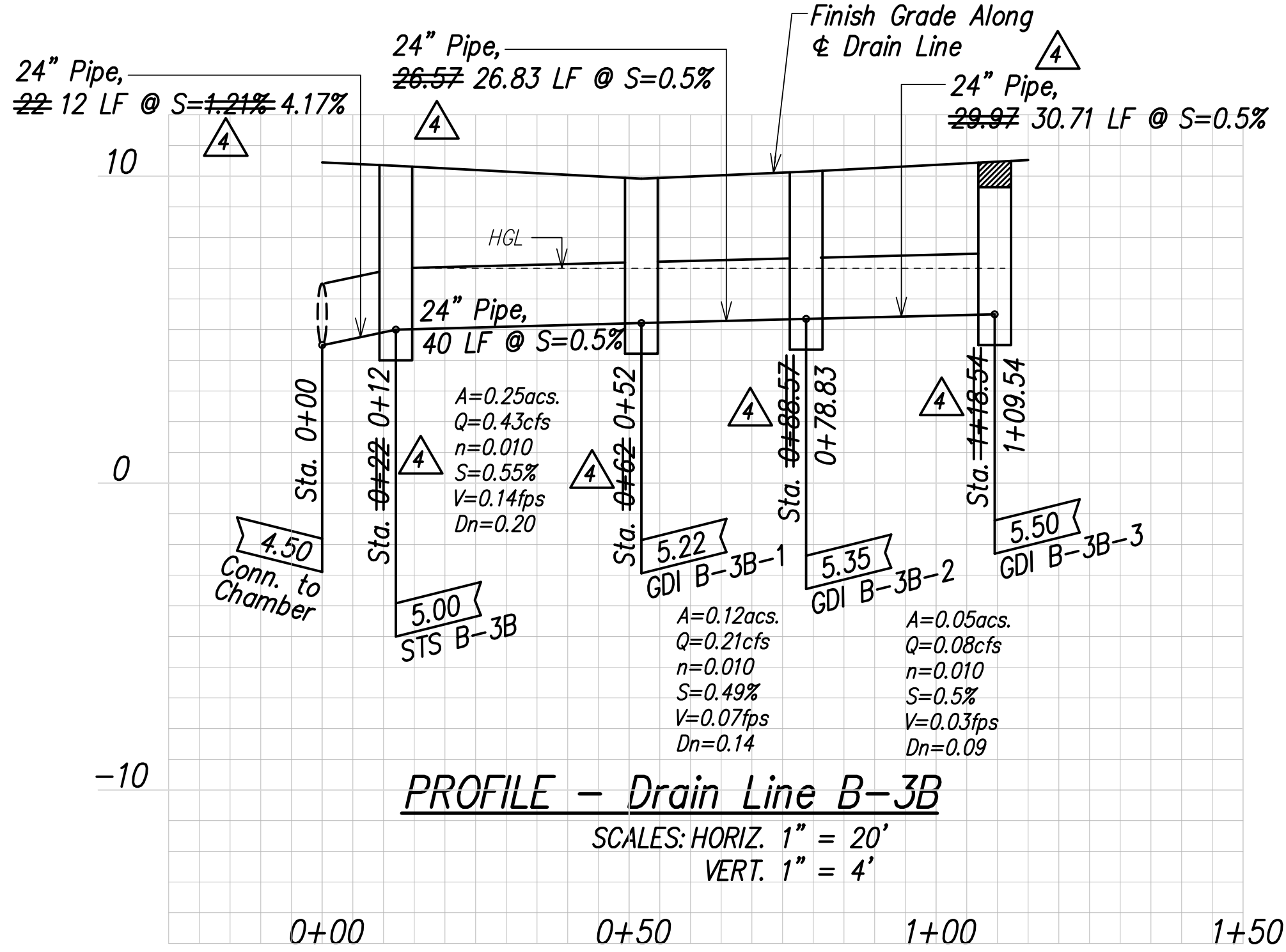
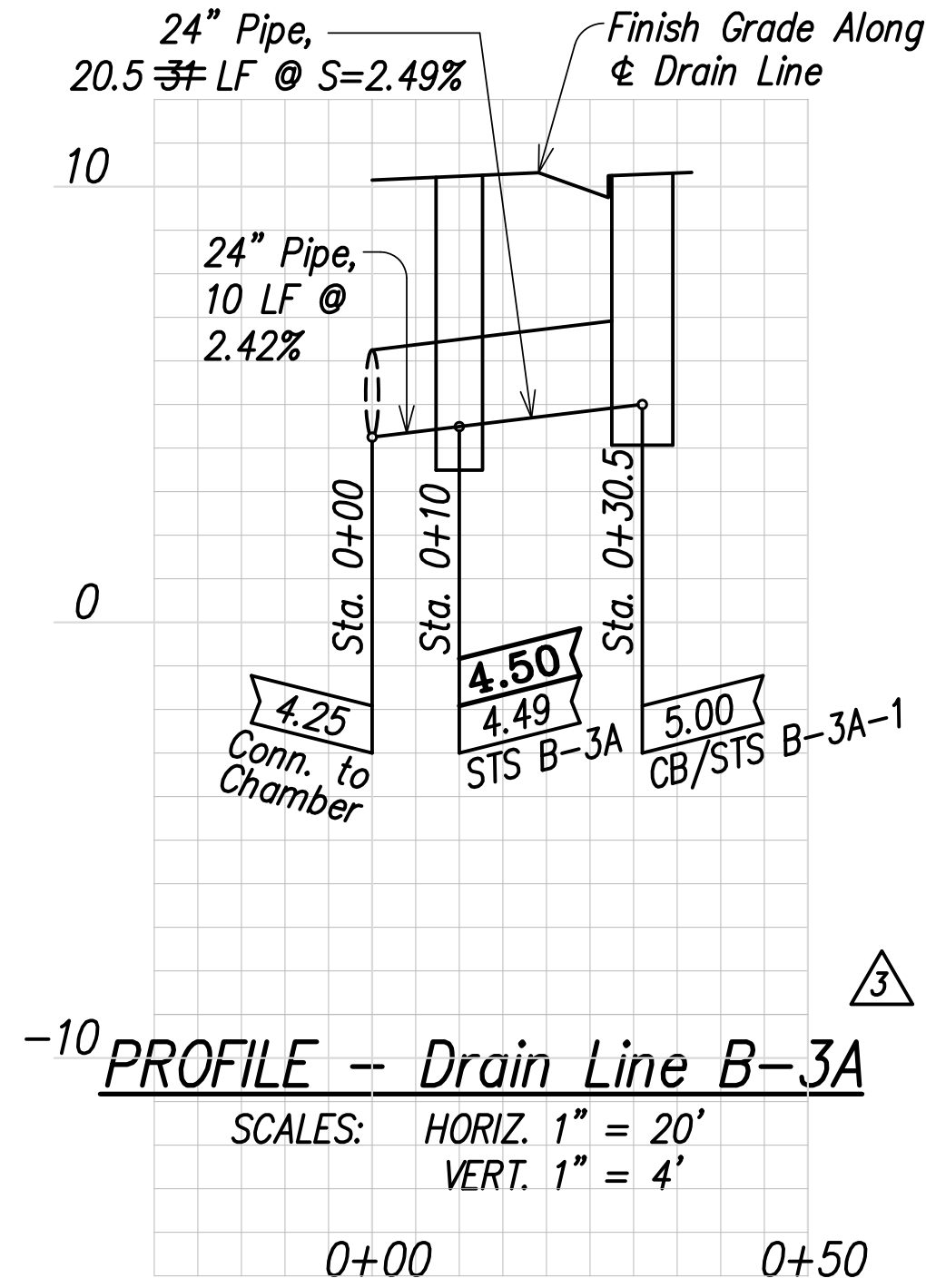
Russell M. Araki 4-30-14
SIGNATURE EXPIRATION DATE OF THE LICENSE

1/22/13	4. Revised Drain Line call outs		
DATE	REVISION		
COUNTY OF KAUAI DEPARTMENT OF PUBLIC WORKS LYDGATE PARK TO KAPA'A BIKE/ PEDESTRIAN PATH PHASE B KAPA'A, KAUAI, HAWAII			
DRAINAGE PLAN NIULANI ROAD			
FEDERAL-AID PROJECT NO. STP-0700(61) DATE: NOVEMBER 2011			
DRAWN BY: NGA	F.B.	C.B.	SHEET
TRACED BY:			C8.4
CHECKED BY: RMA			OF SHEETS

"AS-BUILT"

C.O. 60

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(61)	2011	C.O. 61	143



LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion

Double line for as-built deletion

Roadway Text for as-built posting

APPROVED: _____
COUNTY ENGINEER (FOR WORK WITHIN COUNTY RIGHT OF WAY) DATE _____

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
SIGNATURE: _____ EXPIRATION DATE OF THE LICENSE: _____

DATE	REVISION
1/22/13	Revised Drain Line call outs.
2/7/12	Revised Profile for Drain Line B-3A.

COUNTY OF KAUAI
DEPARTMENT OF PUBLIC WORKS
LYDGATE PARK TO KAPA'A BIKE/
PEDESTRIAN PATH PHASE B
KAPA'A, KAUAI, HAWAII

DRAINAGE PROFILES

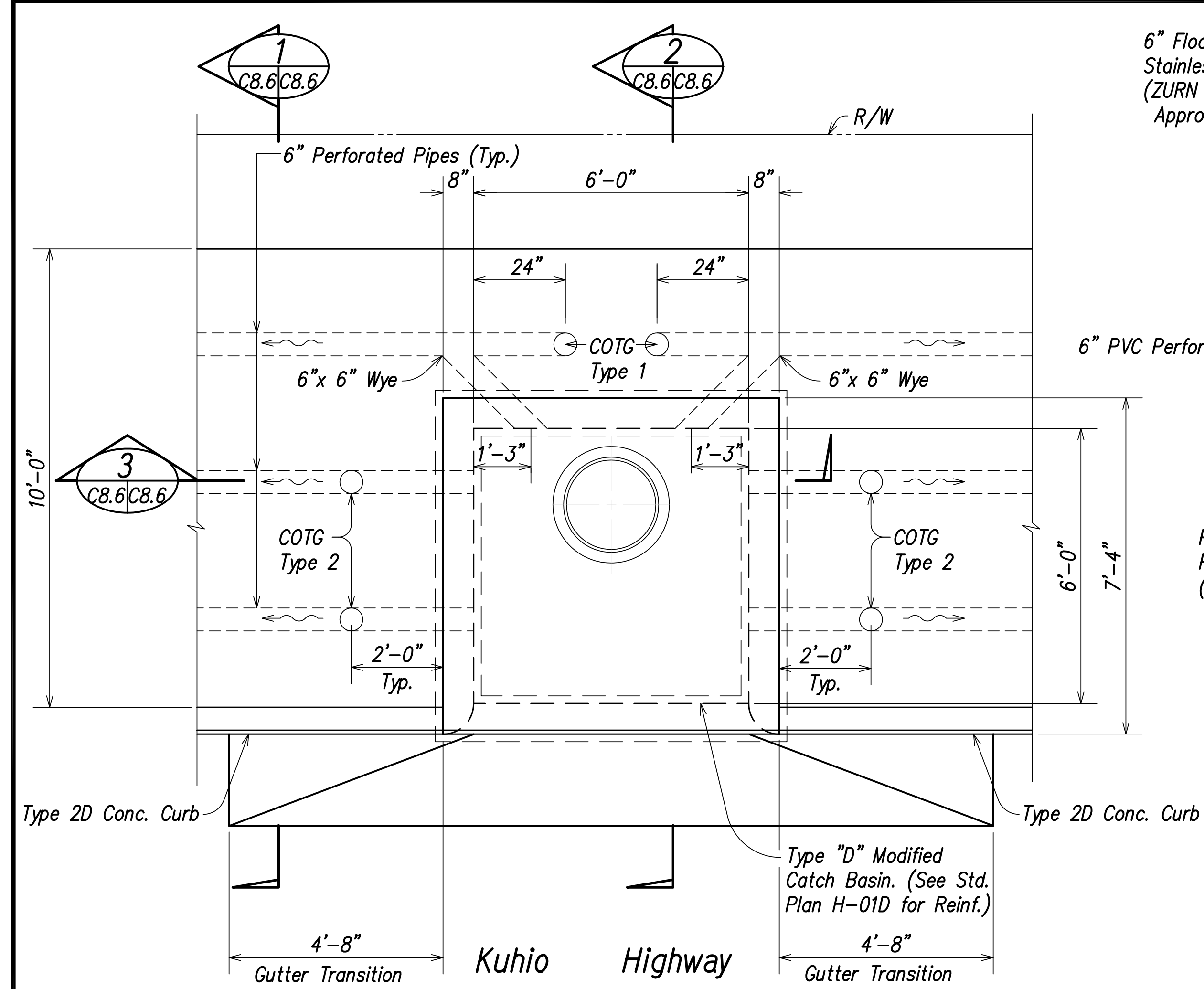
FEDERAL-AID PROJECT NO. STP-0700(61)
DATE: NOVEMBER 2011

DRAWN BY: NGA	F.B.	C.B.	SHEET
TRACED BY: RMA			C8.5
CHECKED BY:			OF SHEETS

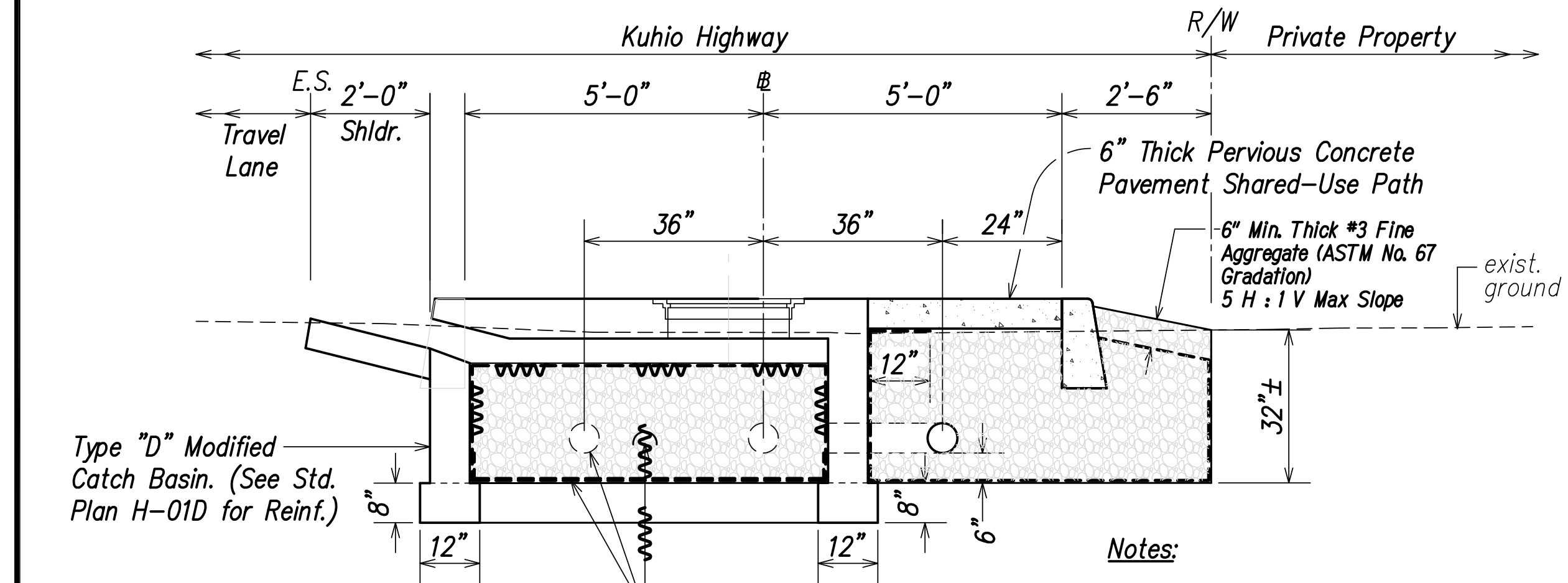
"AS-BUILT"

C.O. 61

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(61)	2011	62	143



PLAN
Scale: 1/2" = 1'-0"

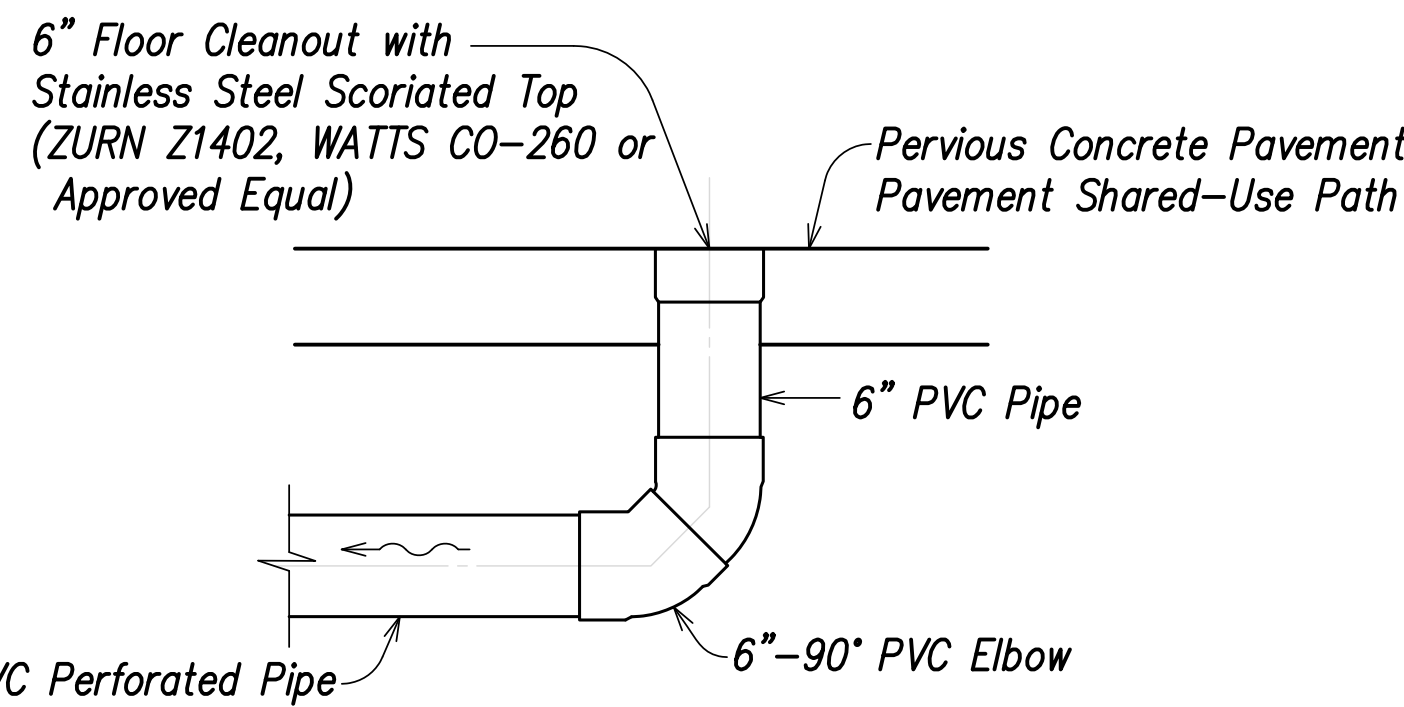


6" PVC Pipes and #3 Fine Aggregate (ASTM No. 67 Gradation) wrapped with Non-Woven Geotextile Fabric (See Section 716.06 except the minimum flow rate shall be 100 ga./min./ft. as measured in accordance with ASTM D4491).

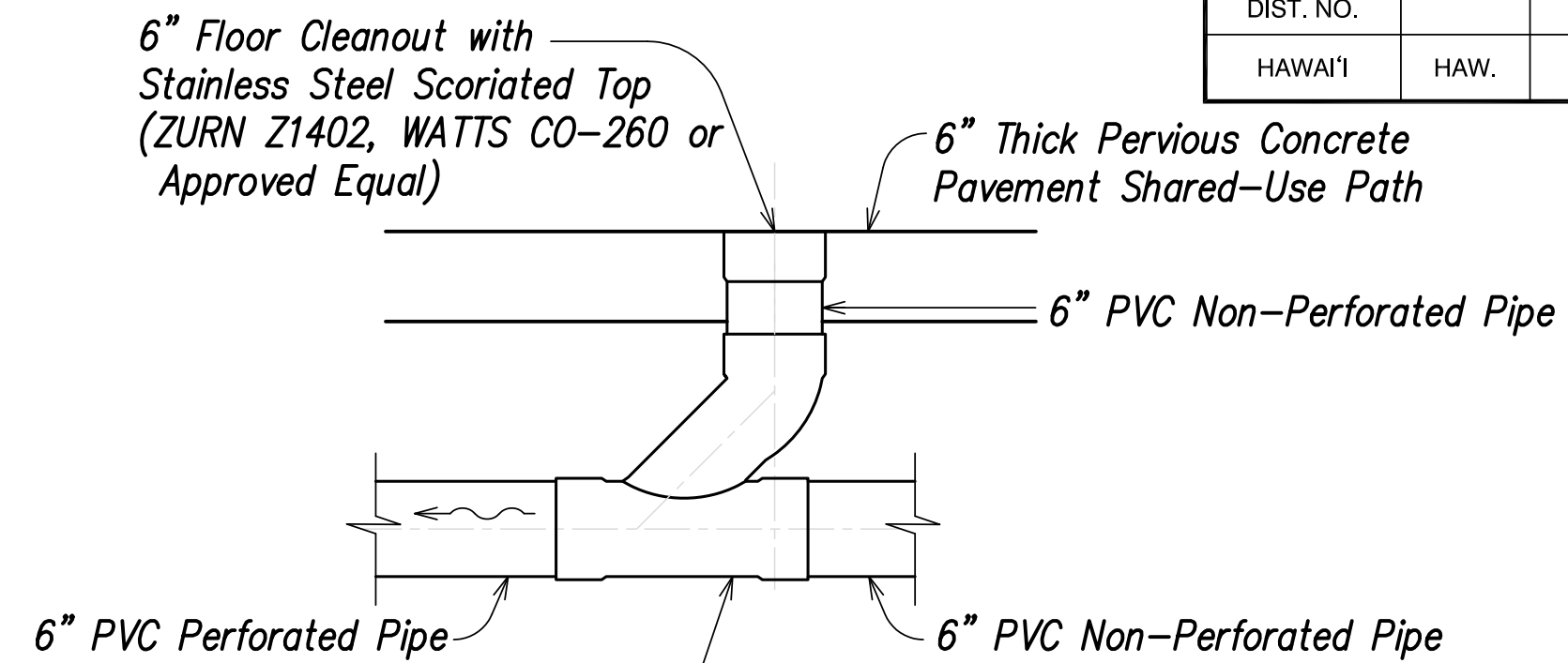
SECTION 2
Scale: 1/2" = 1'-0"

Notes:

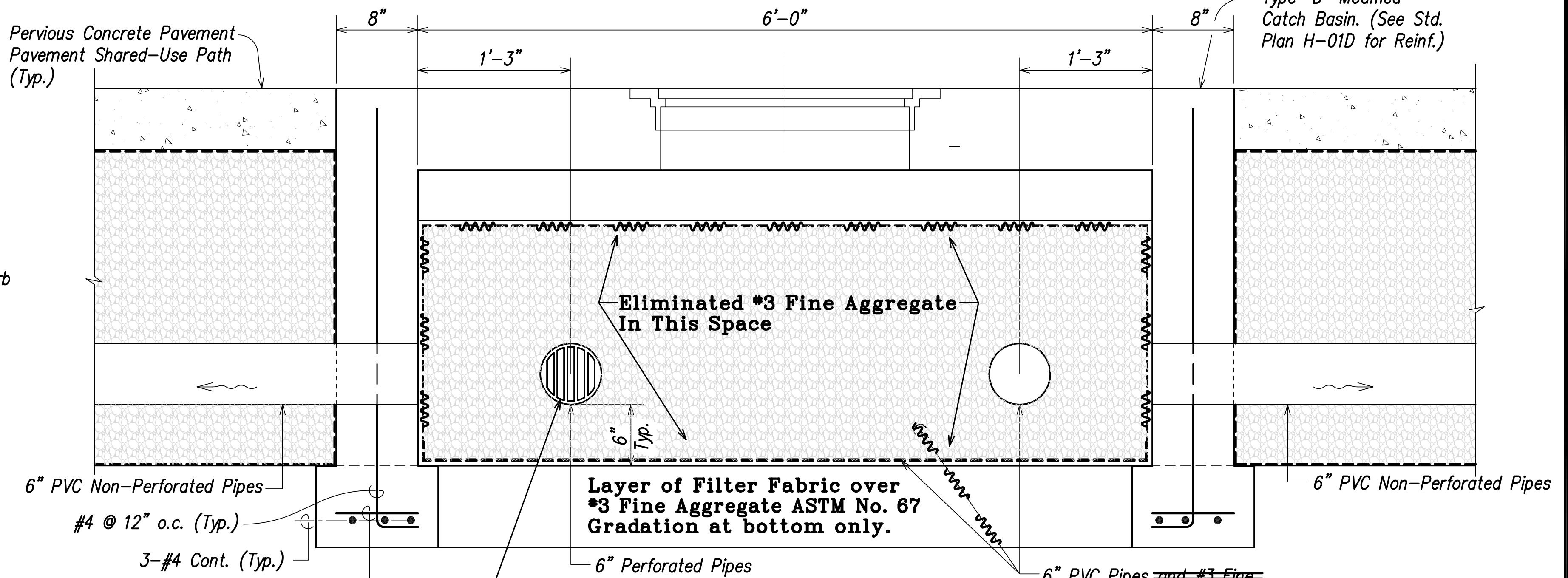
- Excavation and subgrade preparation for the #3 Fine Aggregate will be paid by Item No. 206.0100-Excavation for Drainage System.
- The #3 Fine Aggregate, Non-Woven Geotextile Fabric, 6" PVC Perforated and Non-Perforated Pipes, Cleanouts and Fittings will not be paid for separately and shall be considered incidental to Item No. 604.0300-Type "D" Modified Catch Basin, 2.00-feet to 2.99-feet.



Cleanout to Grade - Type 1
Not to Scale

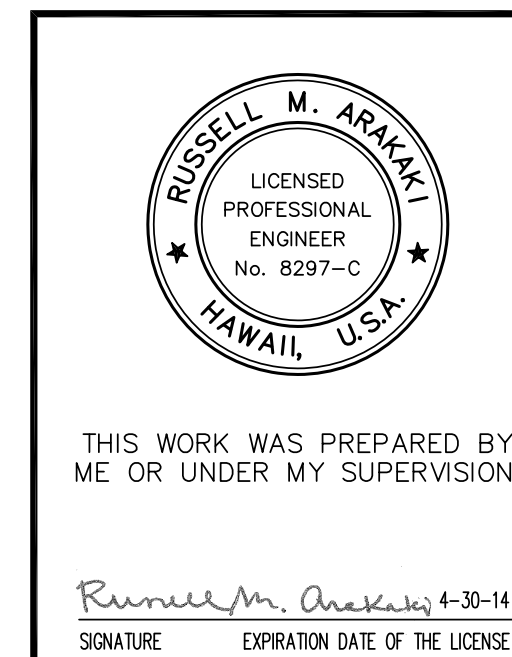


Cleanout to Grade - Type 2
Not to Scale



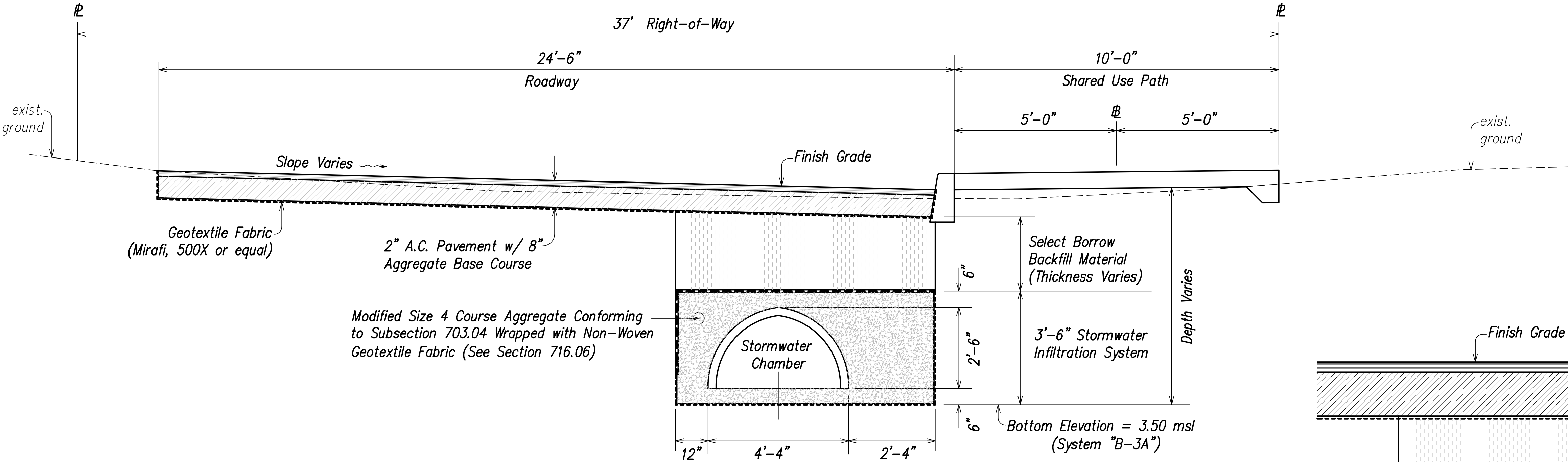
SECTION 3
Scale: 1-1/2" = 1'-0"

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

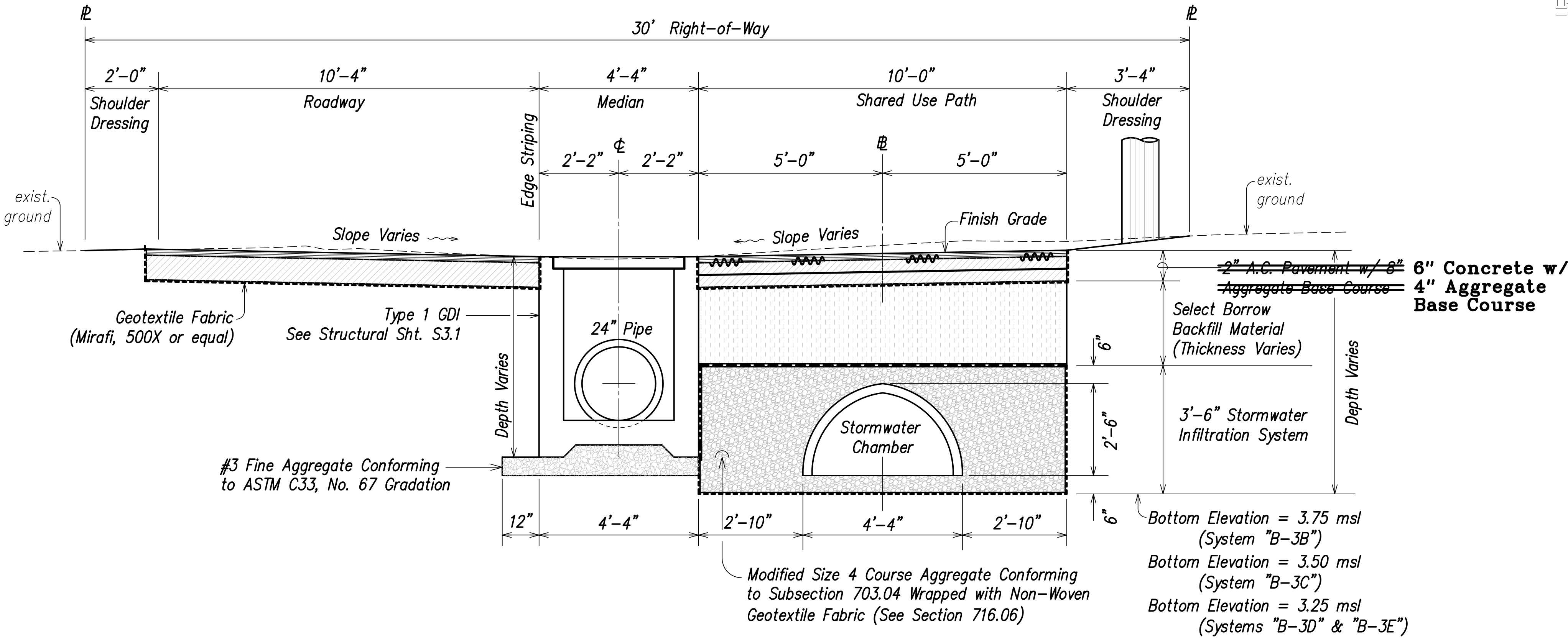


COUNTY OF KAUAI DEPARTMENT OF PUBLIC WORKS	
LYDGATE PARK TO KAPA'A BIKE/ PEDESTRIAN PATH PHASE B KAPA'A, KAUAI, HAWAII	
DRAINAGE DETAILS	
FEDERAL-AID PROJECT NO. STP-0700(61) DATE: NOVEMBER 2011	
DRAWN BY: TSW	F.B. C.B. SHEET
TRACED BY: RMA	C8.6
CHECKED BY:	OF SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(61)	2011	63	143

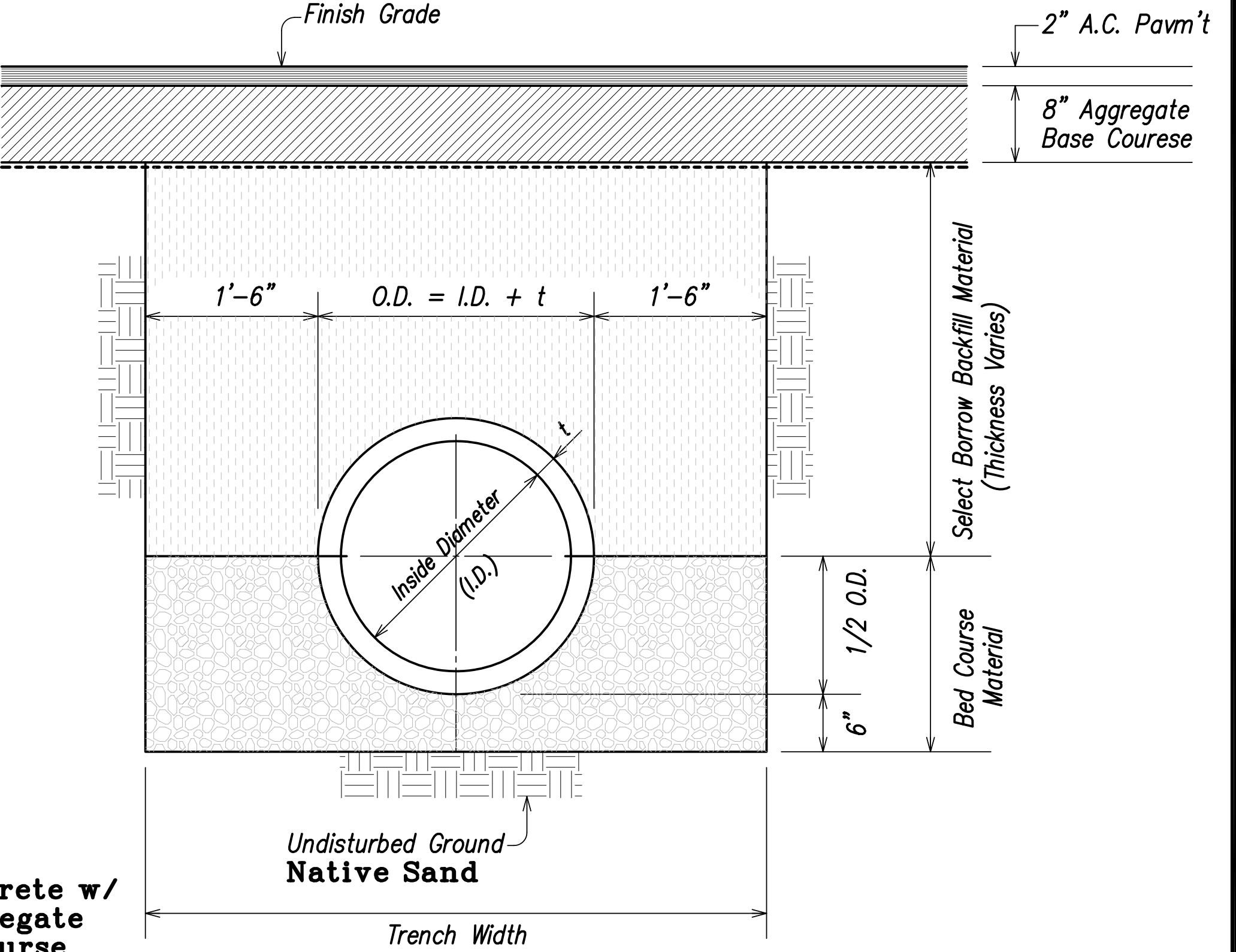


TYPICAL SECTION @ SYSTEM A
Scale: 1/2" = 1'-0"



TYPICAL SECTION @ TYPE 1 GDI
Scale: 1/2" = 1'-0"

DRAINAGE SYSTEM @ ALA ROAD AND NIULANI ROAD



TYPICAL TRENCH DETAIL
Scale: 1" = 1'-0"

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

RUSSELL M. ARAKI
LICENSED PROFESSIONAL ENGINEER
No. 8297-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE: *Russell M. Araki* 4-30-14
EXPIRATION DATE OF THE LICENSE

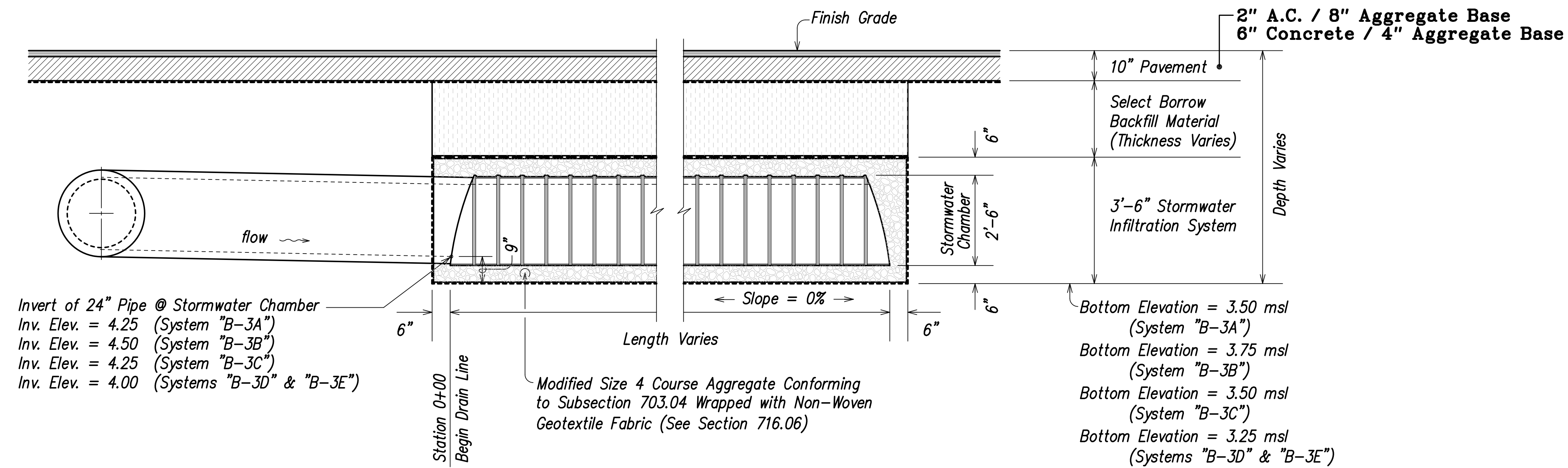
COUNTY OF KAUAI
DEPARTMENT OF PUBLIC WORKS
LYDGATE PARK TO KAPA'A BIKE/
PEDESTRIAN PATH PHASE B
KAPA'A, KAUAI, HAWAII

DRAINAGE DETAILS

FEDERAL-AID PROJECT NO. STP-0700(61)
DATE: NOVEMBER 2011

DRAWN BY: NGA	F.B.	C.B.	SHEET
TRACED BY: RMA			C8.7
CHECKED BY:			OF SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(61)	2011	64	143



TYPICAL ELEVATION ALONG STORAGE CHAMBER

Scale: $1/2" = 1'-0"$

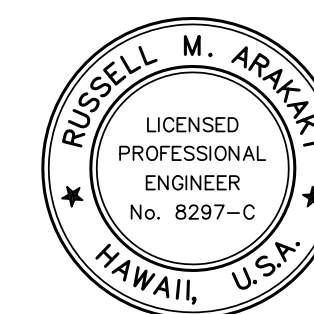
DRAINAGE SYSTEM @ ALA ROAD AND NIULANI ROAD

LEGEND FOR AS-BUILT POSTINGS

 Squiggly line for as-built deletion

100.00	Double line for as-built deletion
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Roadway	Text for as-built posting
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ME OR UNDER MY SUPERVISION.

COUNTY OF KAUAI DEPARTMENT OF PUBLIC WORKS LYDGATE PARK TO KAPA'A BIKE/ PEDESTRIAN PATH PHASE B KAPA'A, KAUAI, HAWAII

DRAINAGE DETAILS

FEDERAL-AID PROJECT NO. STP-0700(61)

DATE: NOVEMBER 2011

DRAWN BY:	NGA	F.B.	C.B.	SHEET
TRACED BY:				
CHECKED BY:	RMA			

C8.8

APPROVED:


COUNTY ENGINEER
(FOR WORK WITHIN COUNTY RIGHT OF WAY)

12-24-
DATE

Rumel M. Arakaki 14-30-14
SIGNATURE EXPIRATION DATE OF THE LICENSE

"AS-BUILT"