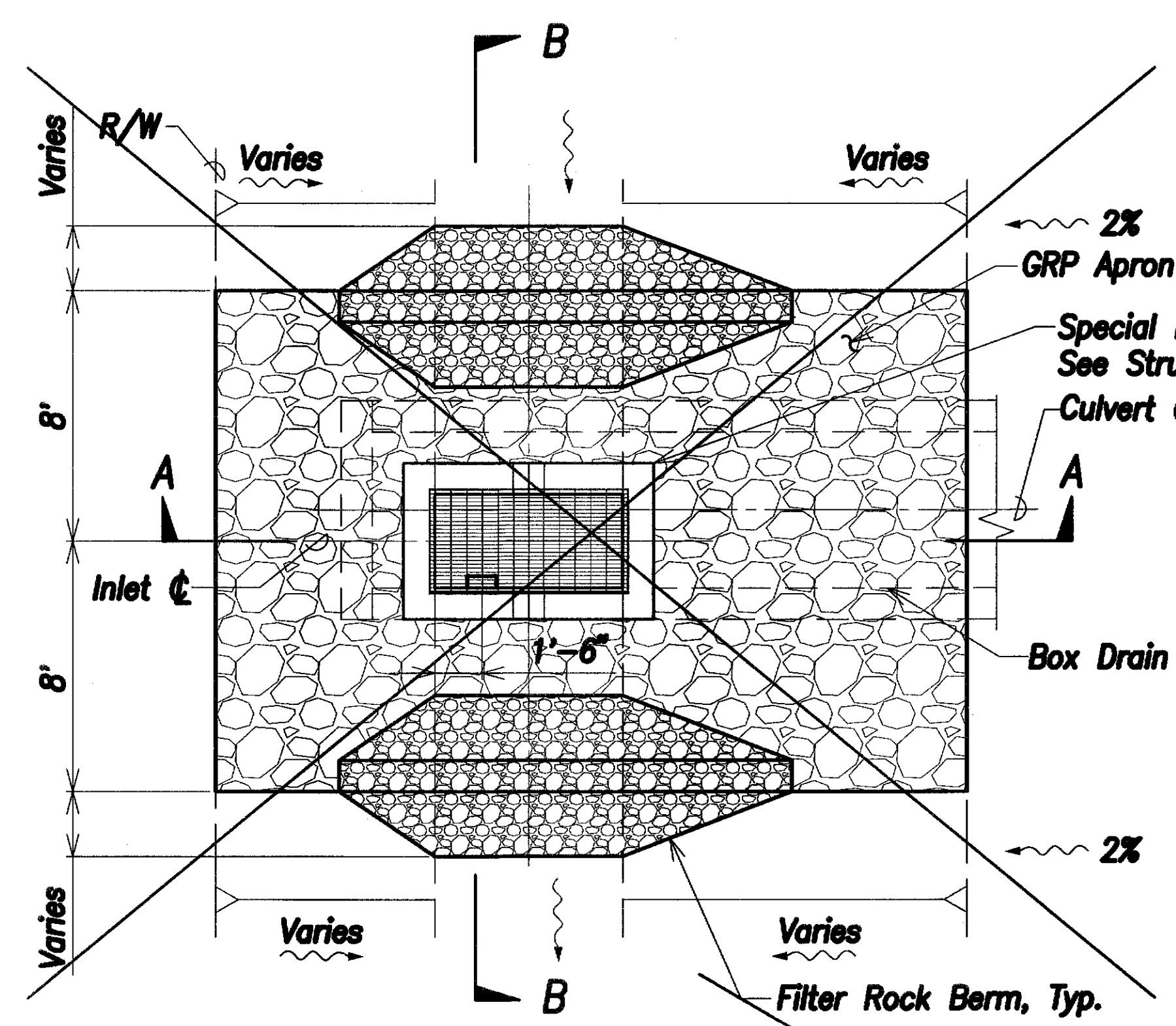
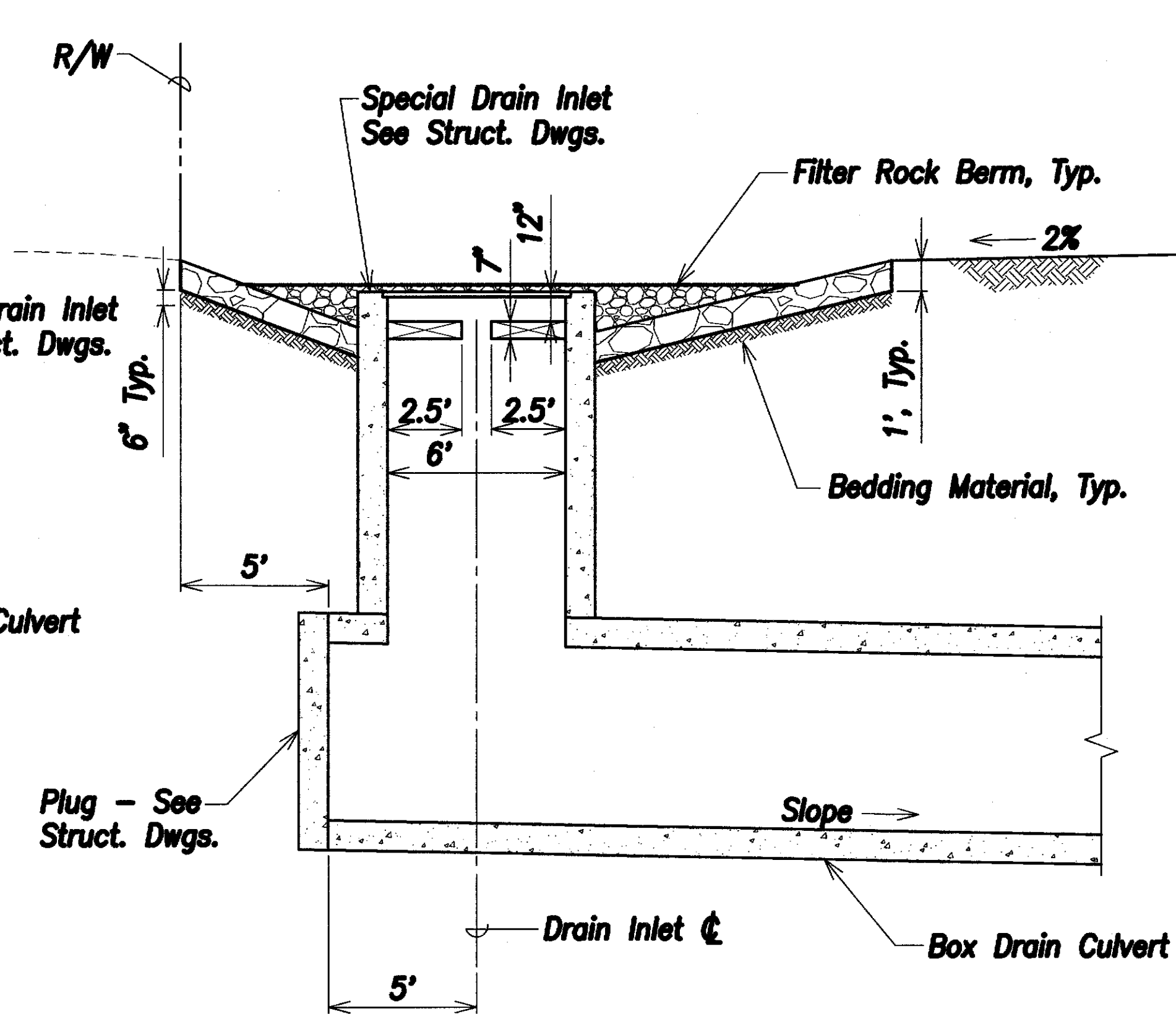


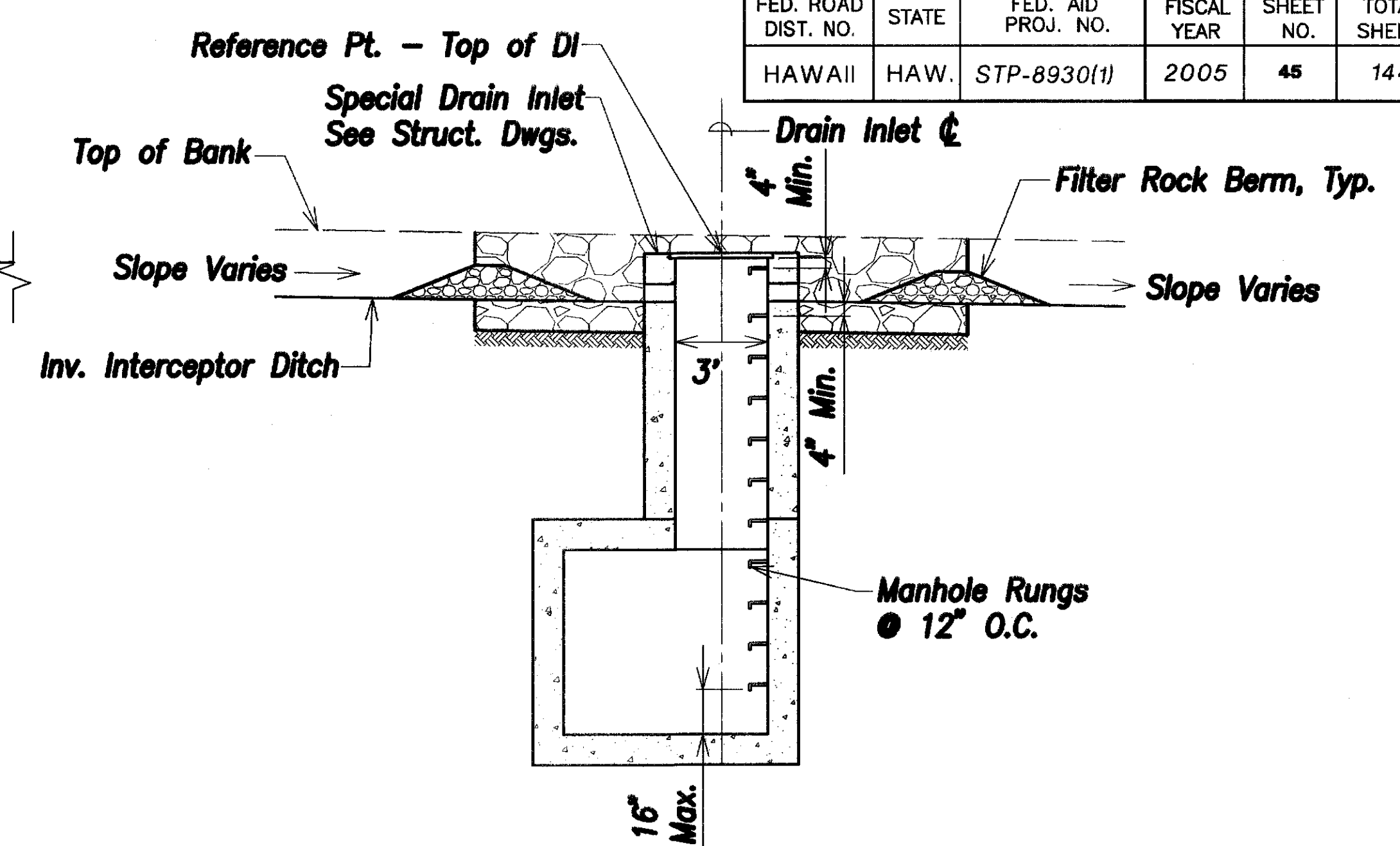
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(1)	2005	45	144



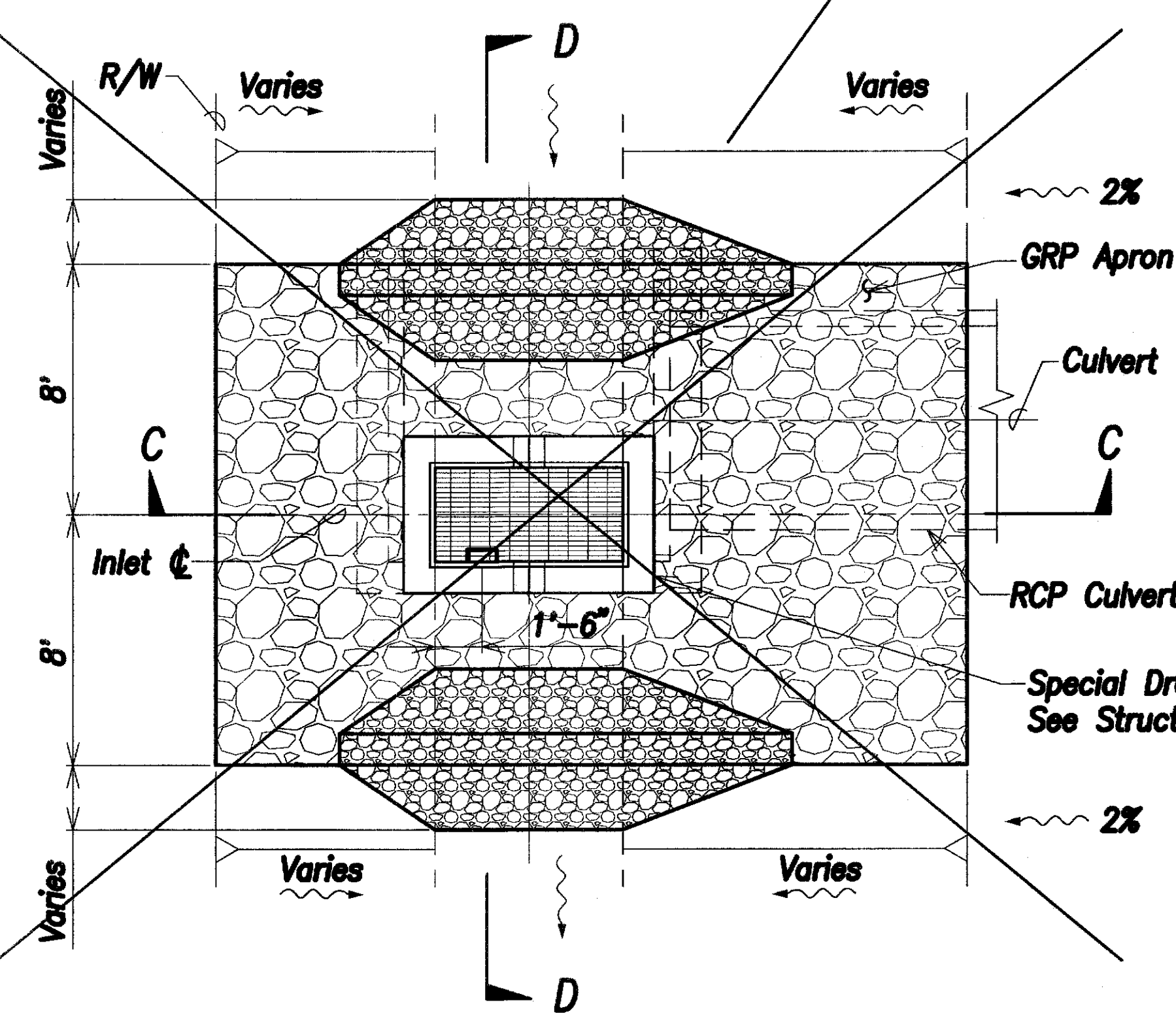
RC Box Drain Culvert Inlet
Scale: 1/4" = 1'-0"



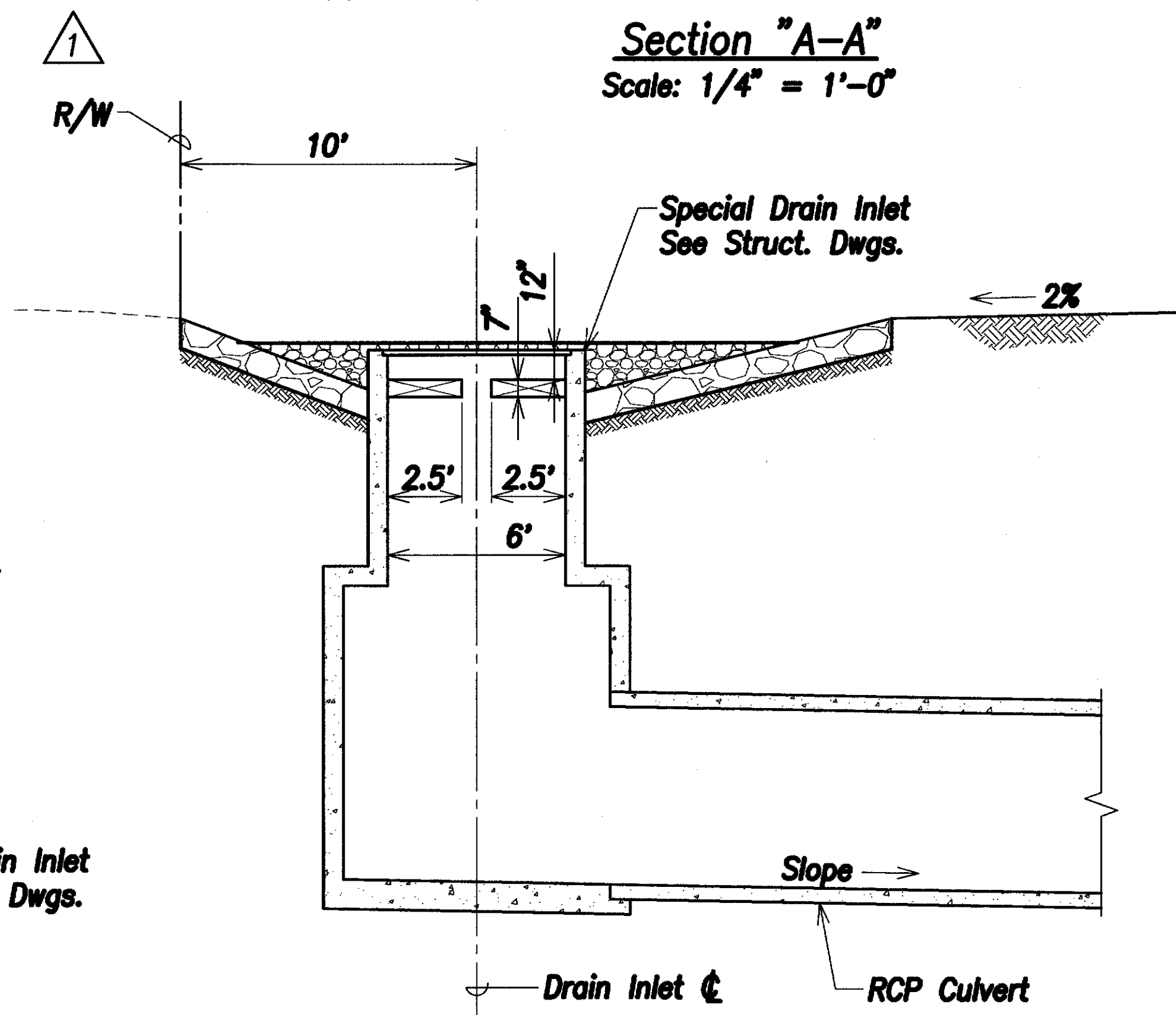
Section "A-A"
Scale: 1/4" = 1'-0"



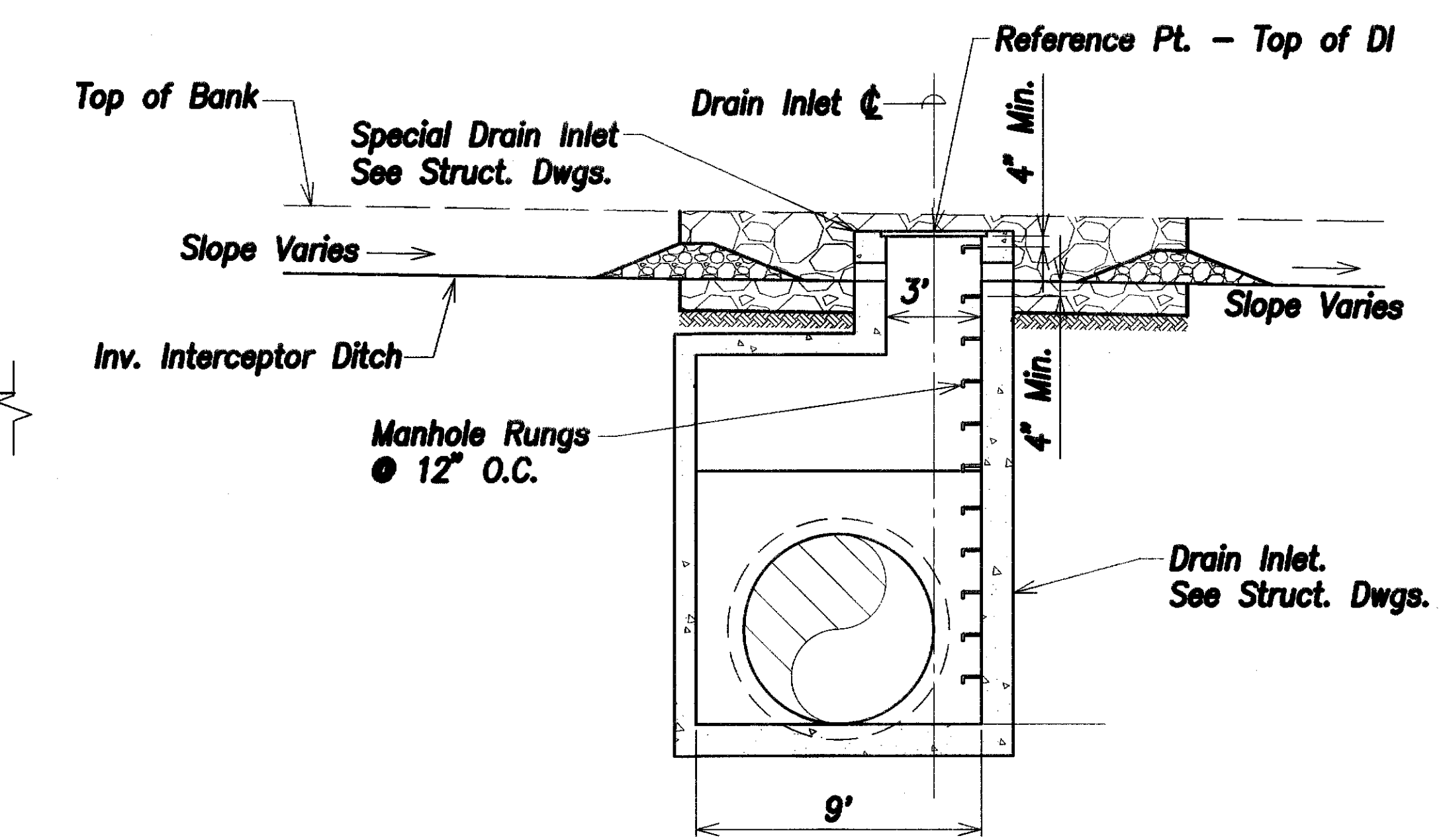
Section "B-B"
Scale: 1/4" = 1'-0"



RC Pipe Drain Culvert Inlet
Scale: 1/4" = 1'-0"



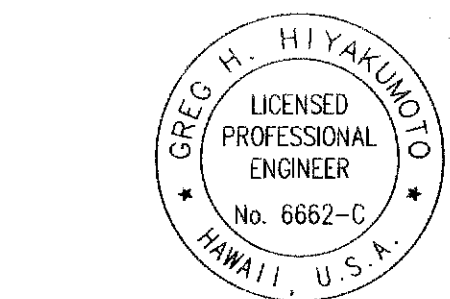
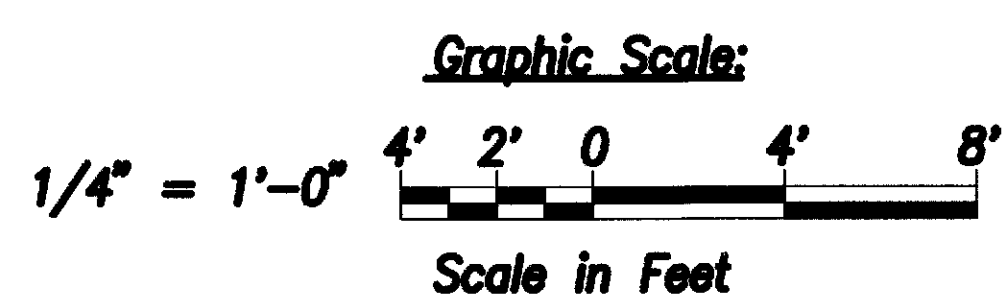
Section "C-C"
Scale: 1/4" = 1'-0"



Section "D-D"
Scale: 1/4" = 1'-0"

LEGEND FOR AS-BUILT POSTINGS

~~~~~	Squiggly line for as-built deletion
=====	Double line for as-built deletion
_____	Text for as-built deletion
_____	Text for as-built deletion



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SIGNATURE: [Signature] April 30, 2008  
EXPIRATION DATE OF THE LICENSE

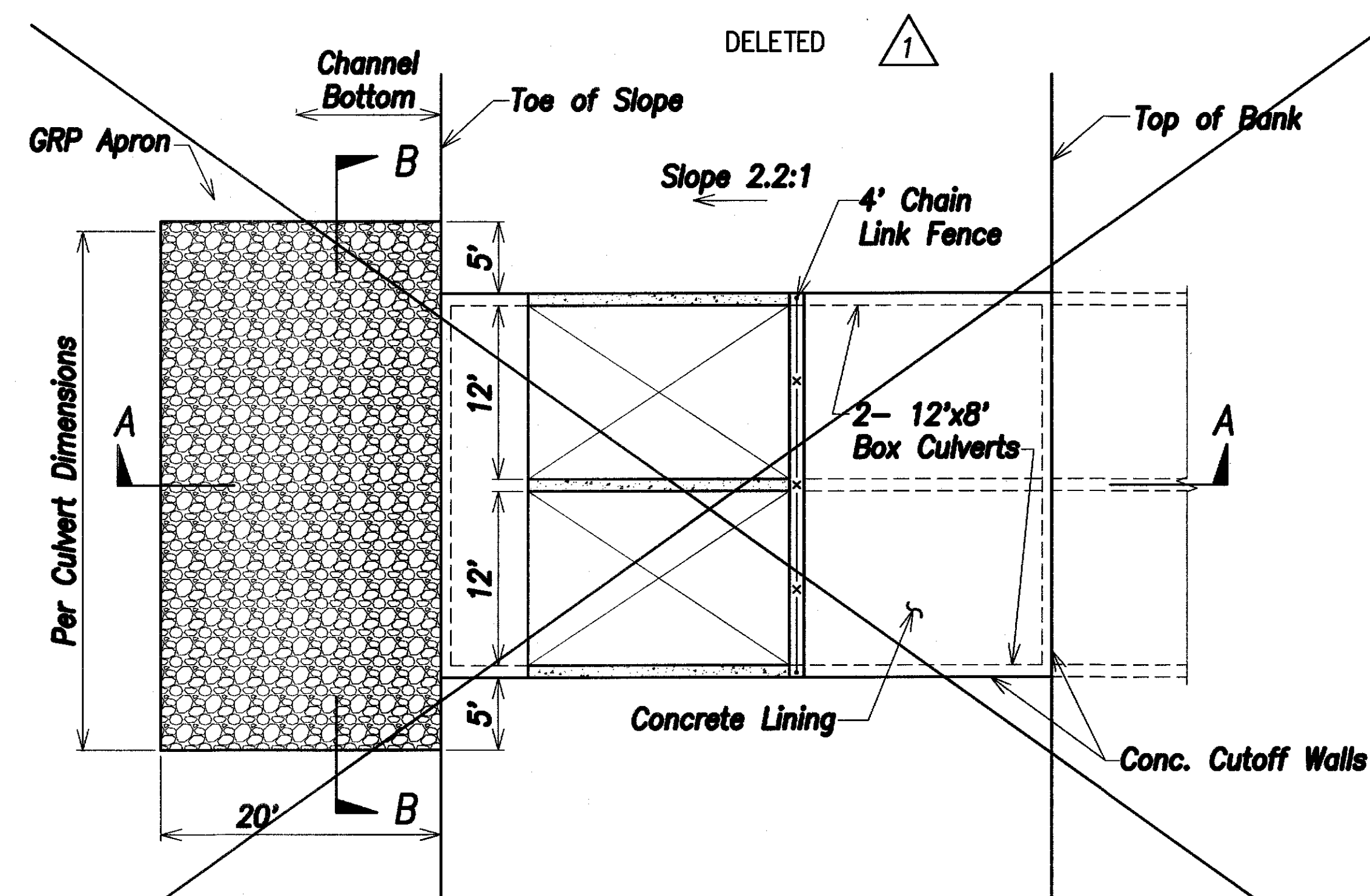
As Built - Field Order 10	
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<b>SPECIAL DRAIN INLET DETAILS</b>	
North-South Road Phase 1A F.A.I. Proj. No. STP-8930(1)	
Scale: As Shown	Date: Dec 22, 2004
SHEET No. C6.8 OF SHEETS	



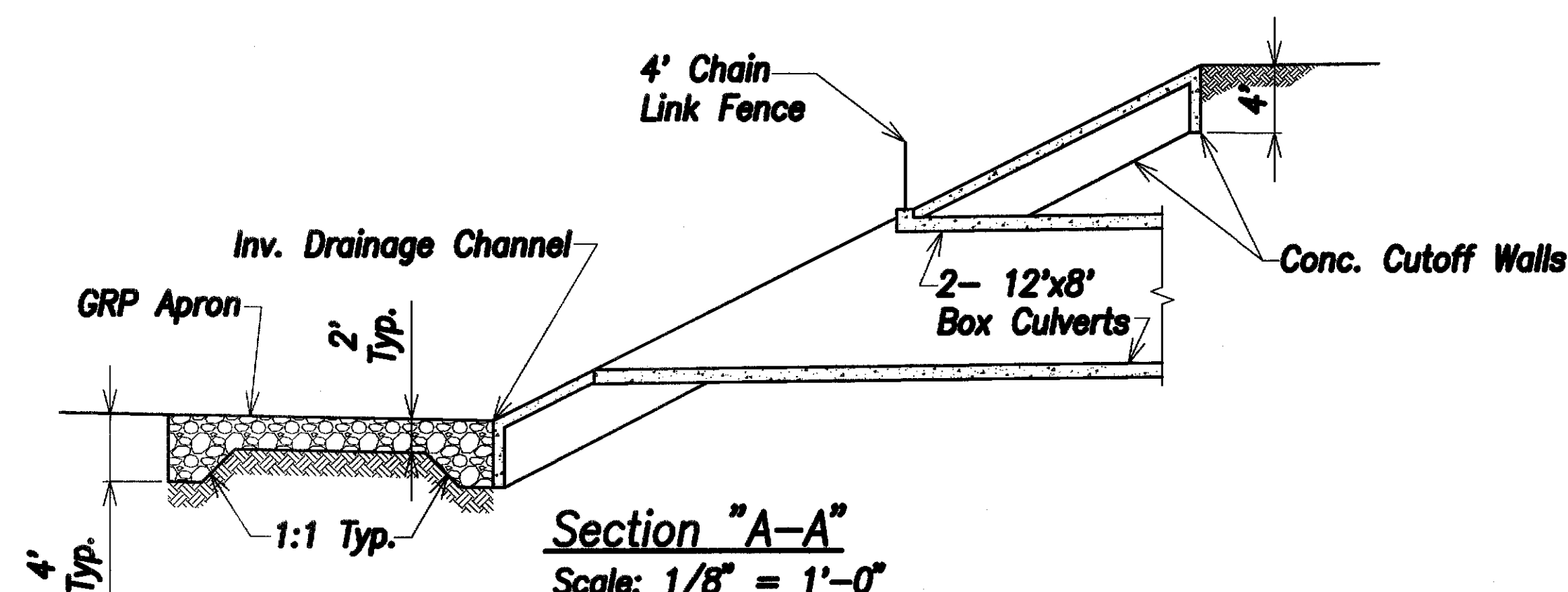




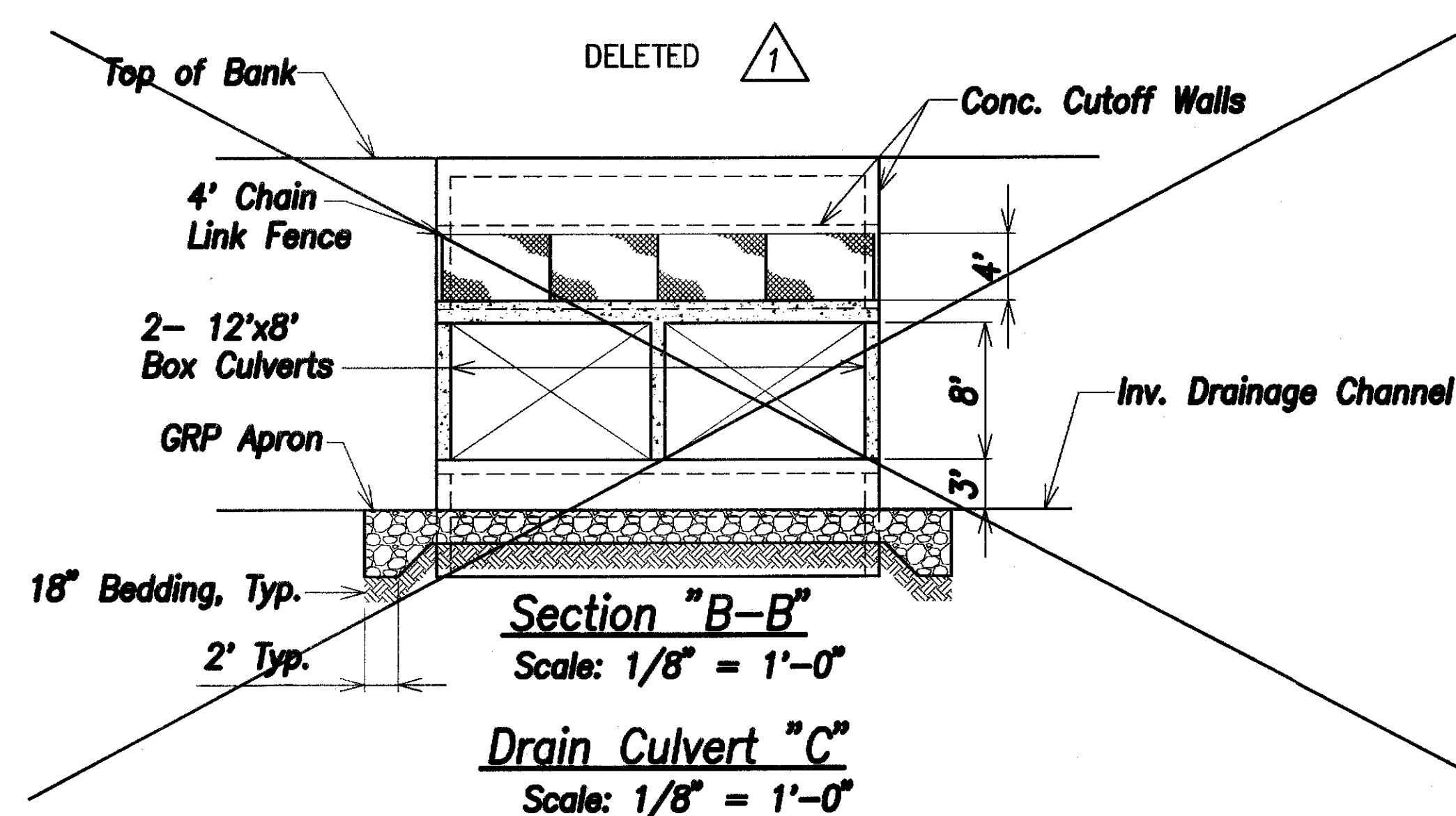
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(1)	2005	47	144



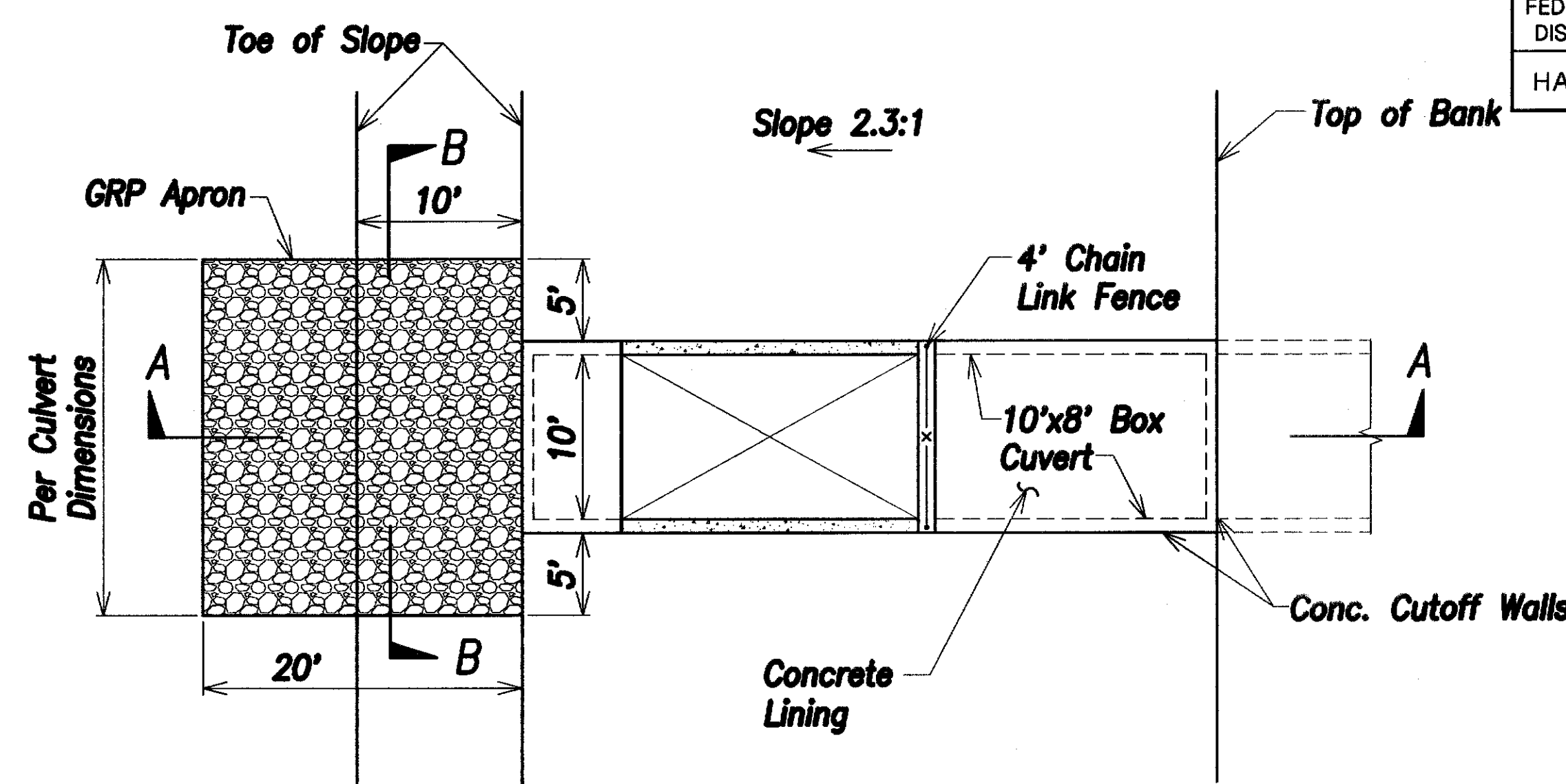
**Plan**  
Scale: 1/8" = 1'-0"



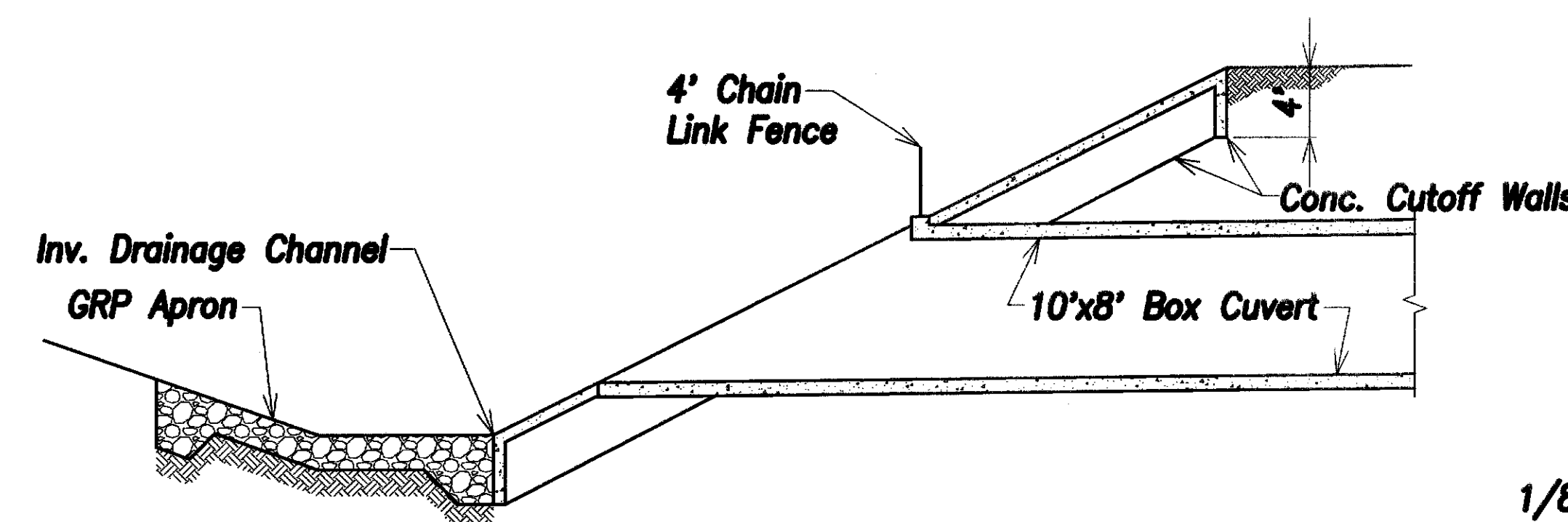
**Section "A-A"**  
Scale: 1/8" = 1'-0"



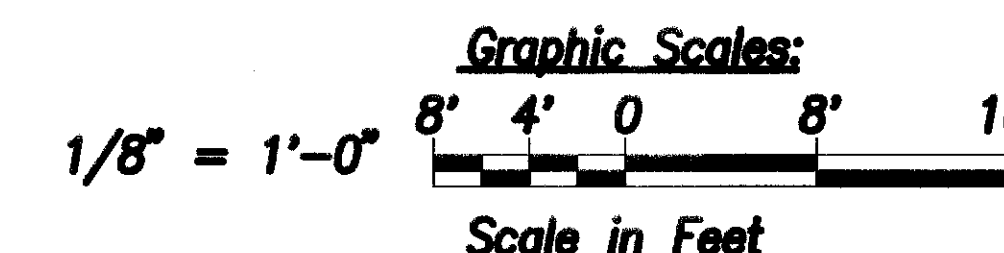
**Section "B-B"**  
Scale: 1/8" = 1'-0"  
**Drain Culvert "C"**  
Scale: 1/8" = 1'-0"



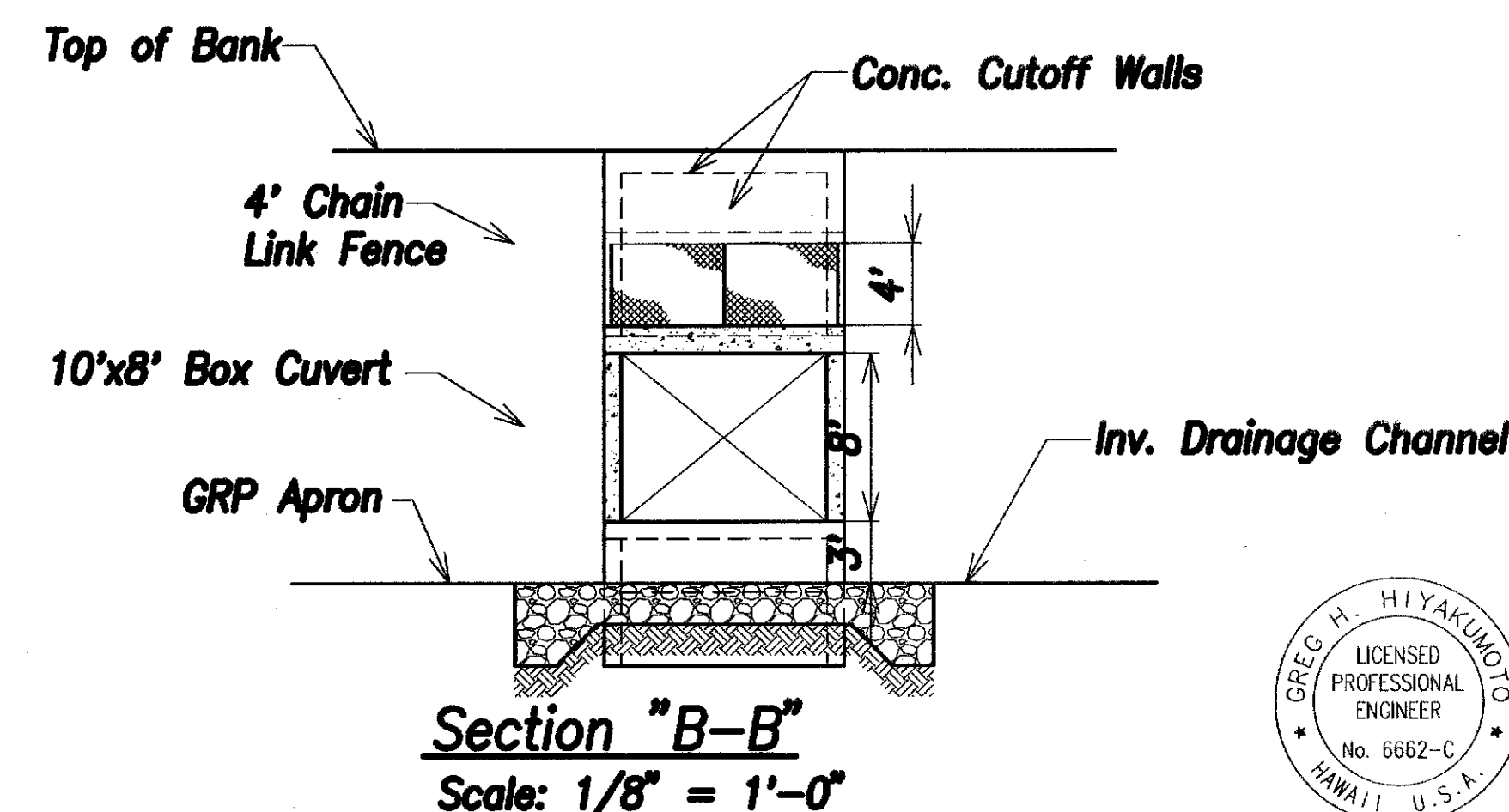
**Plan**  
Scale: 1/8" = 1'-0"



**Section "A-A"**  
Scale: 1/8" = 1'-0"



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



Section "B-B"
Scale: 1/8" = 1'-0"

Drain Culvert "D"
Scale: 1/8" = 1'-0"



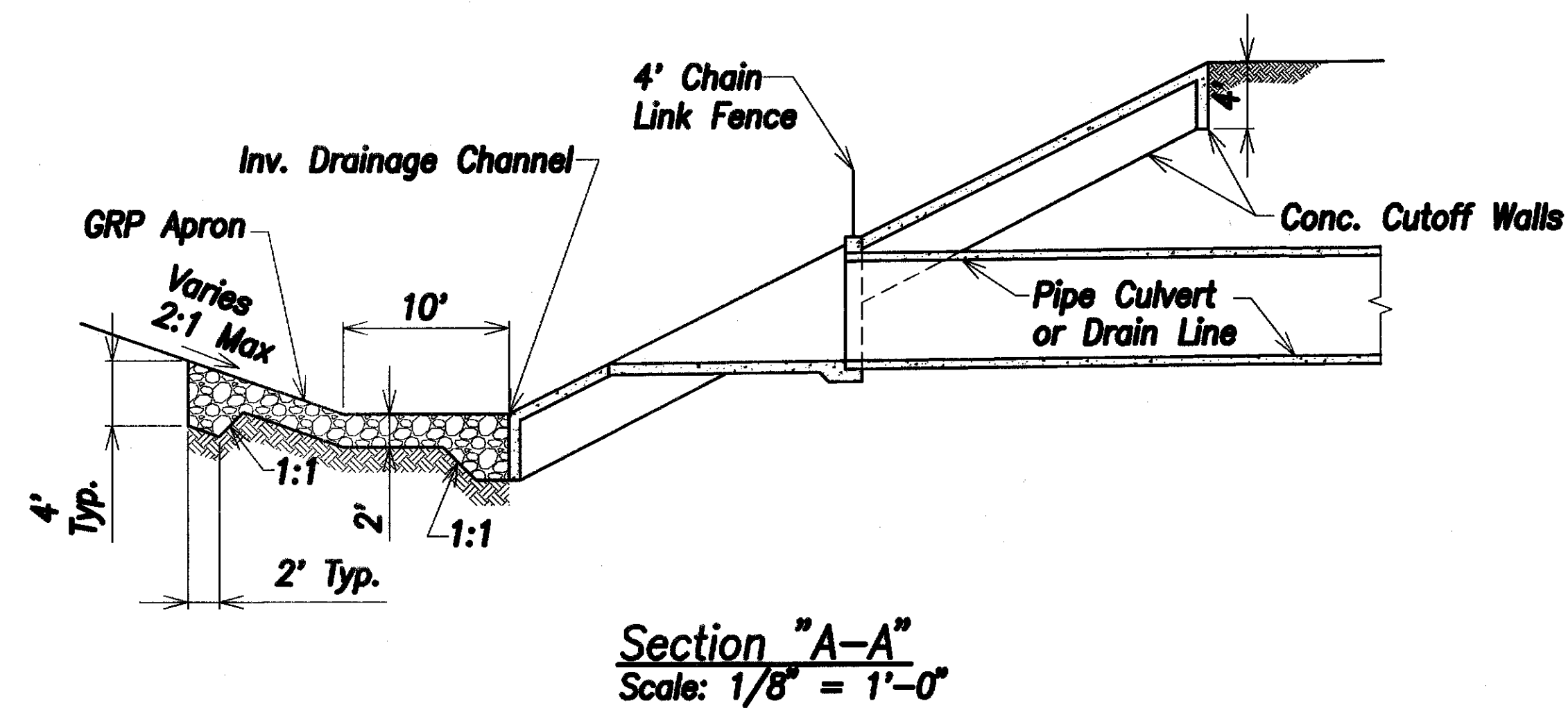
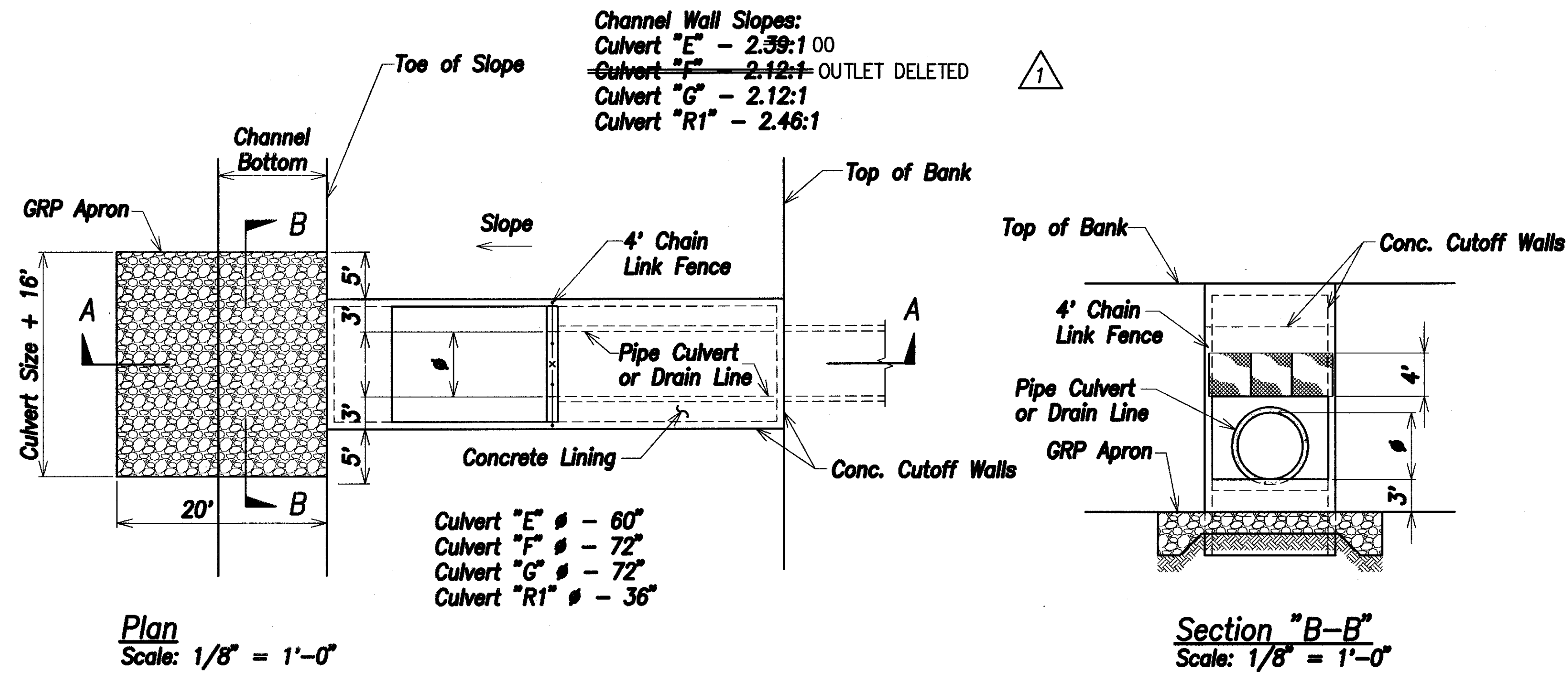
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SIGNATURE: [Signature] April 30, 2008
EXPIRATION DATE OF THE LICENSE

DATE	REVISION
	1 As Built - Field Order 4
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
OUTLET DETAILS - 1	
North-South Road Phase 1A F.A.I. Proj. No. STP-8930(1)	
Scale: As Shown	Date: Dec 22, 2004
SHEET No. C6.10 OF SHEETS	

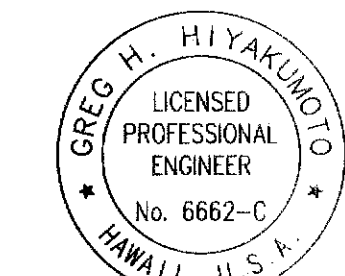
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(1)	2005	48	144



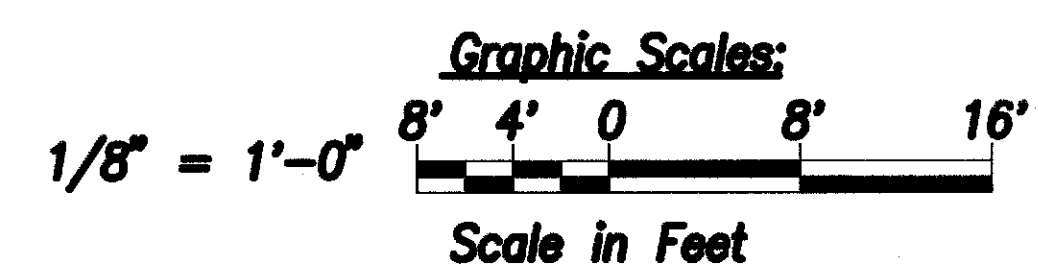
Drain Culvert "E", "F" & "G" & "R1"
Scale: 1/8" = 1'-0"

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



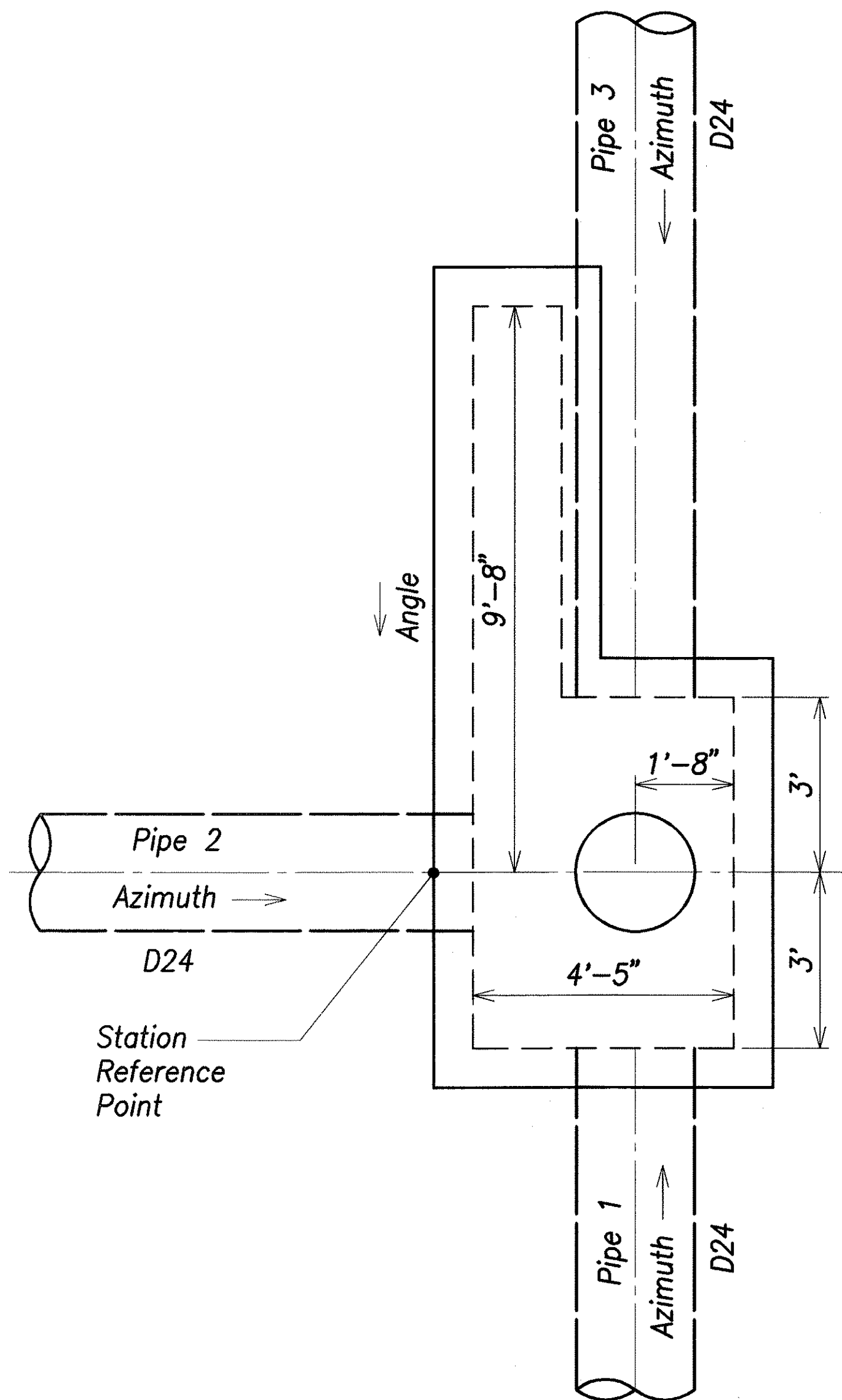
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE: EXPIRATION DATE OF THE LICENSE: April 30, 2008



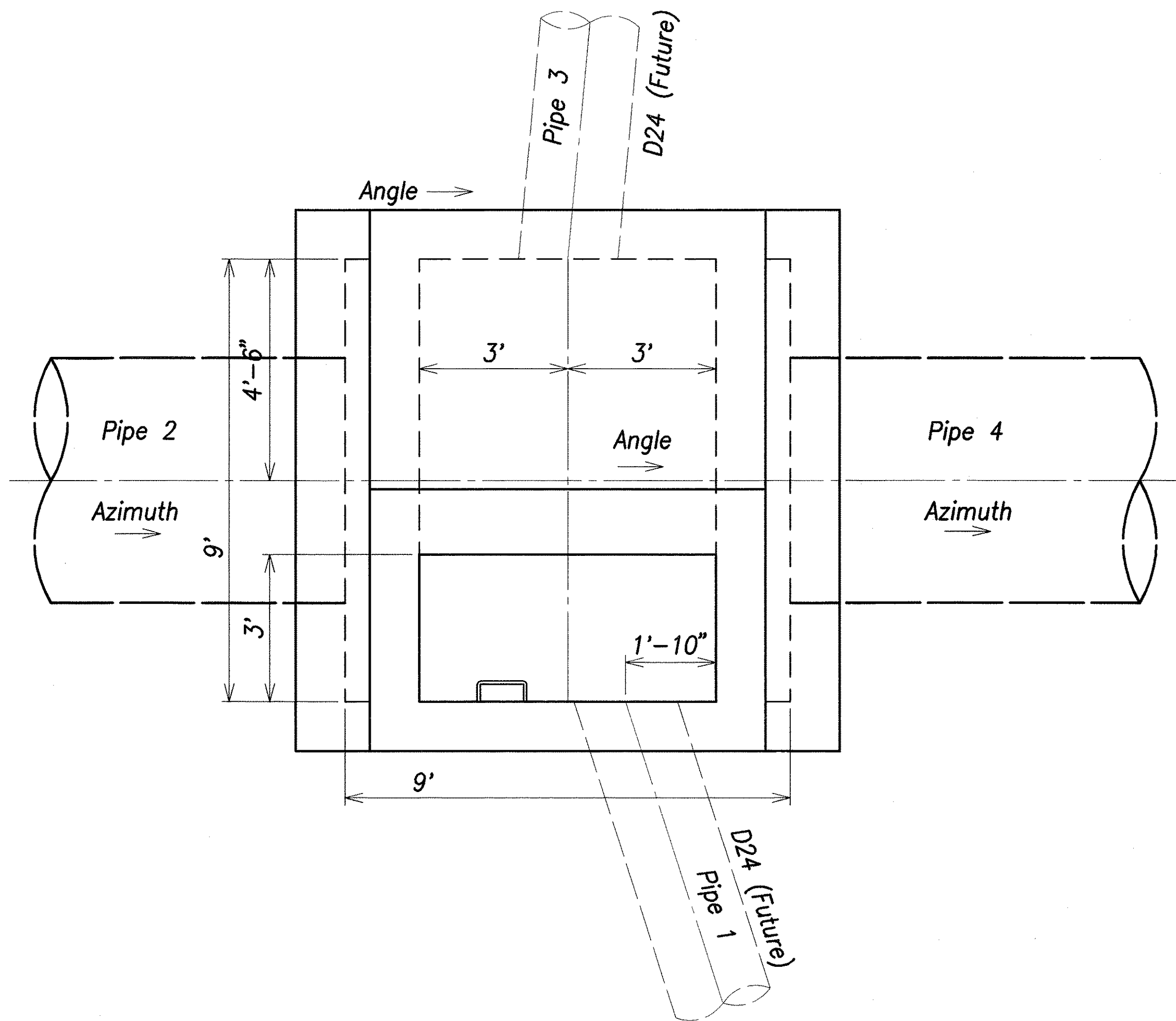
DATE	As Built - RFI 36
REVISION	
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION OUTLET DETAILS - 2 North-South Road Phase 1A F.A.I. Proj. No. STP-8930(1)	
Scale: As Shown	Date: Dec 22, 2004
SHEET No. C6.11 OF SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(1)	2005	49	144



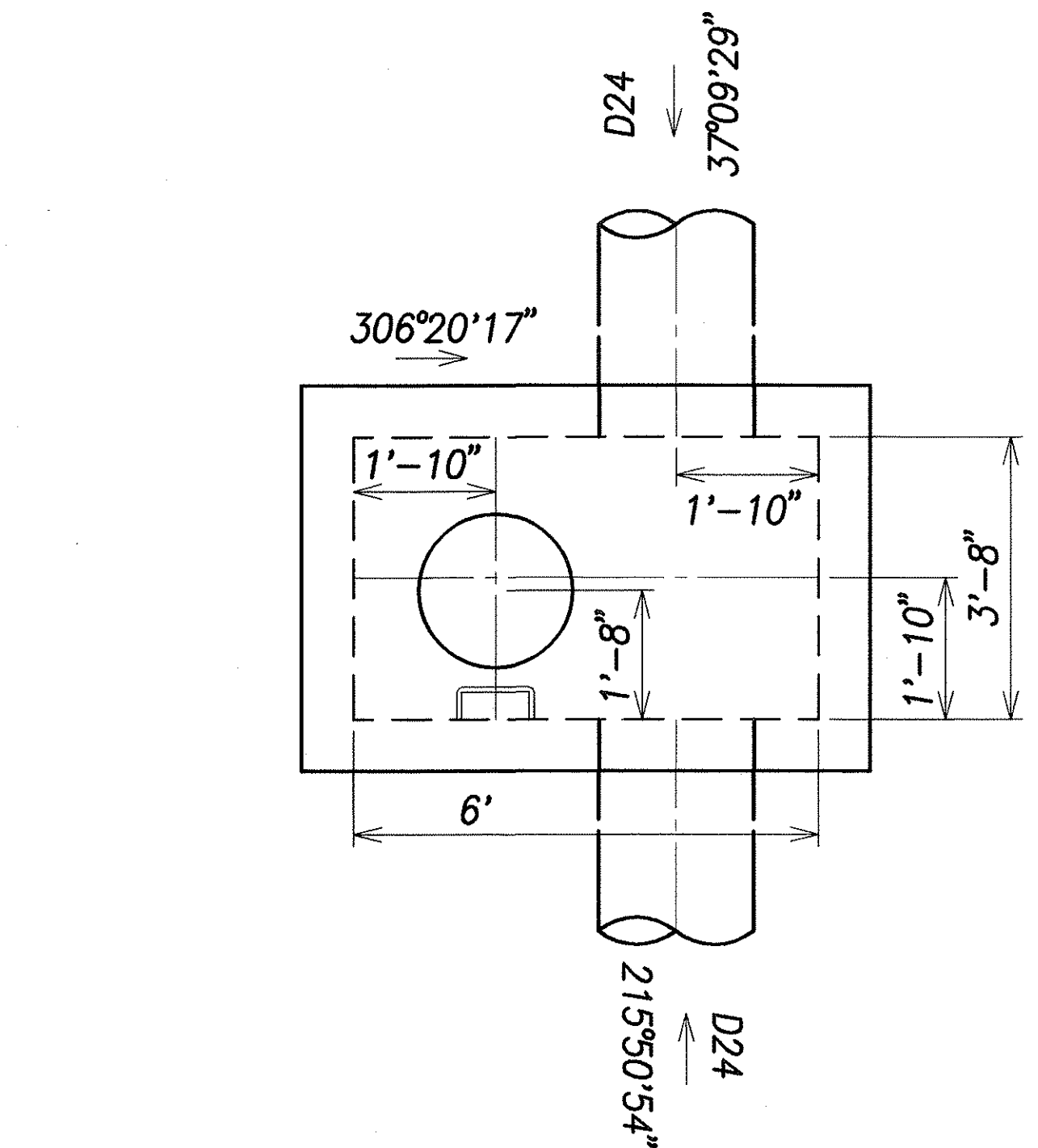
CB #	Angle	Pipe 1	Pipe 2	Pipe 3
N14	16°57'45"	Future	286°57'45"	20°55'00"
N15	24°52'15"	200°55'00"	294°52'15"	n/a
N16	32°46'45"	n/a	n/a	35°50'54"
N17	37°09'29"	218°25'16"	n/a	39°06'00"
N18	39°06'00"	219°06'00"	309°06'00"	39°06'00"
N19	39°06'00"	219°06'00"	309°06'00"	39°06'00"
N20	39°06'00"	219°06'00"	309°06'00"	n/a

Catch Basin Layout Detail
Scale: 1" = 2'

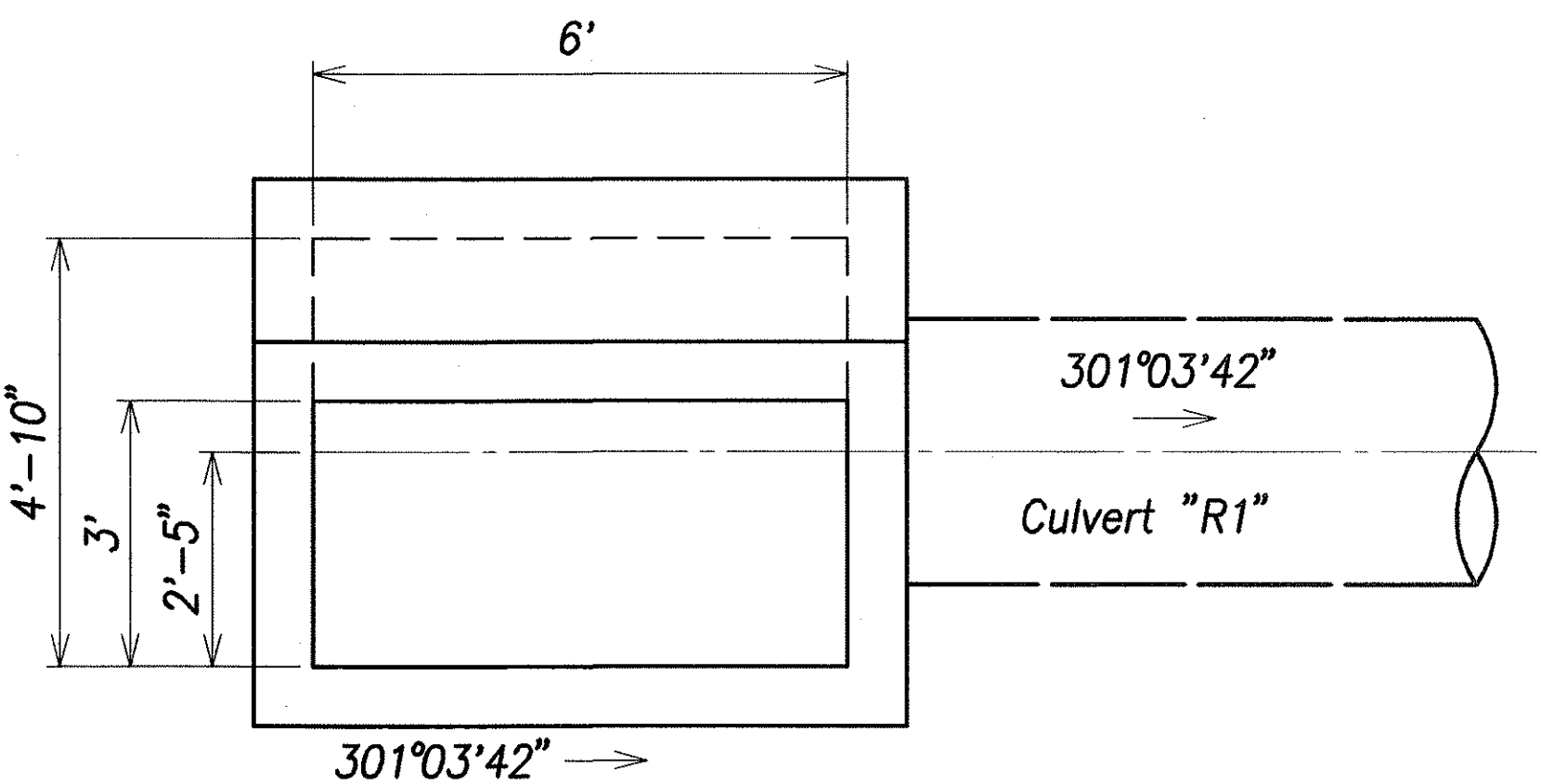


DI #	Type	Angle	Pipe 1	Pipe 2	Pipe 3	Pipe 4
33	61616	278°33'06"	n/a	60" @ 278°33'06"	n/a	60" @ 278°33'06"
34	Special	278°33'06"	Future	n/a	Future	60" @ 278°33'06"
37	61616	270°03'56"	n/a	72" @ 270°03'56"	n/a	72" @ 270°03'56"
38	Special	270°03'56"	Future	n/a	Future	72" @ 270°03'56"
42	61616	260°43'51"	n/a	72" @ 260°43'51"	n/a	72" @ 260°43'51"
43	Special	260°43'51"	Future	n/a	Future	72" @ 260°43'51"

Drain Inlet Layout Detail
Scale: 1" = 2'

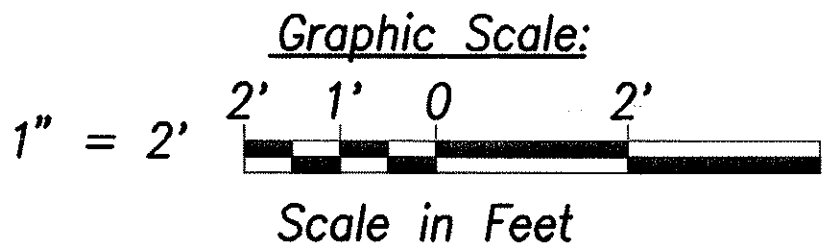


DMH 18 Layout Detail
Scale: 1" = 2'



DI 24 Layout Detail
Scale: 1" = 2'

Note:
Provide Reinforcing for Future Drainline Connections. See Plan and Profile Shts. C2.2 to C2.5 for Invert of Future Connections and Struct. Dwgs. for Reinforcement Details.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
DATE OF SIGNATURE: 12/22/04
DATE OF LICENSE EXPIRY: APR 30, 2008

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

DRAIN STRUCTURE DETAILS

North-South Road

Phase 1A

F.A.I. Proj. No. STP-8930(1)

Scale: 1" = 2'

Date: Dec 22, 2004

SHEET No. C6.12 OF 59 SHEETS

DESIGNED BY	DATE
CHECKED BY	
NOTED BY	
QUANTITIES BY	
NO.	