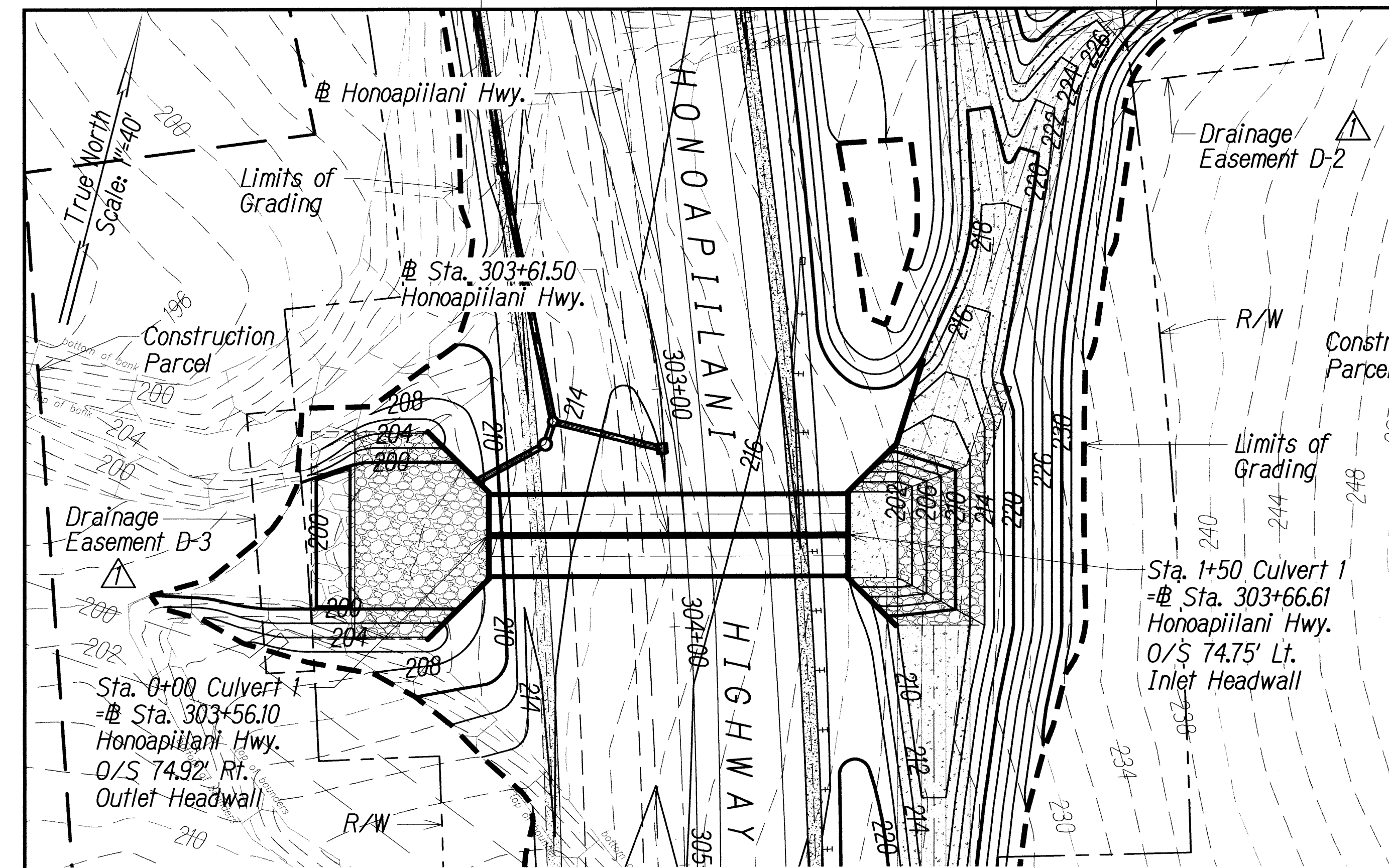
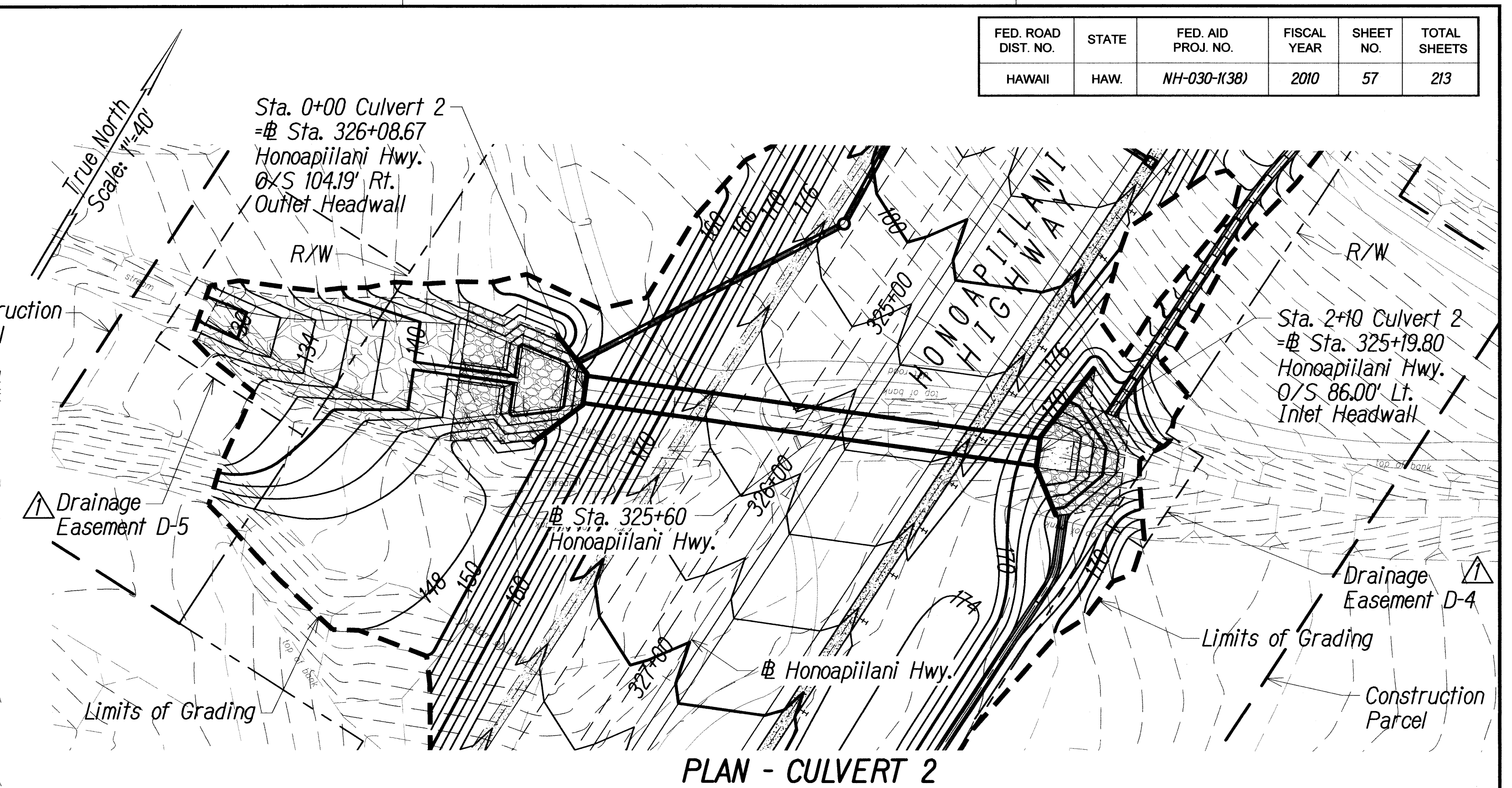


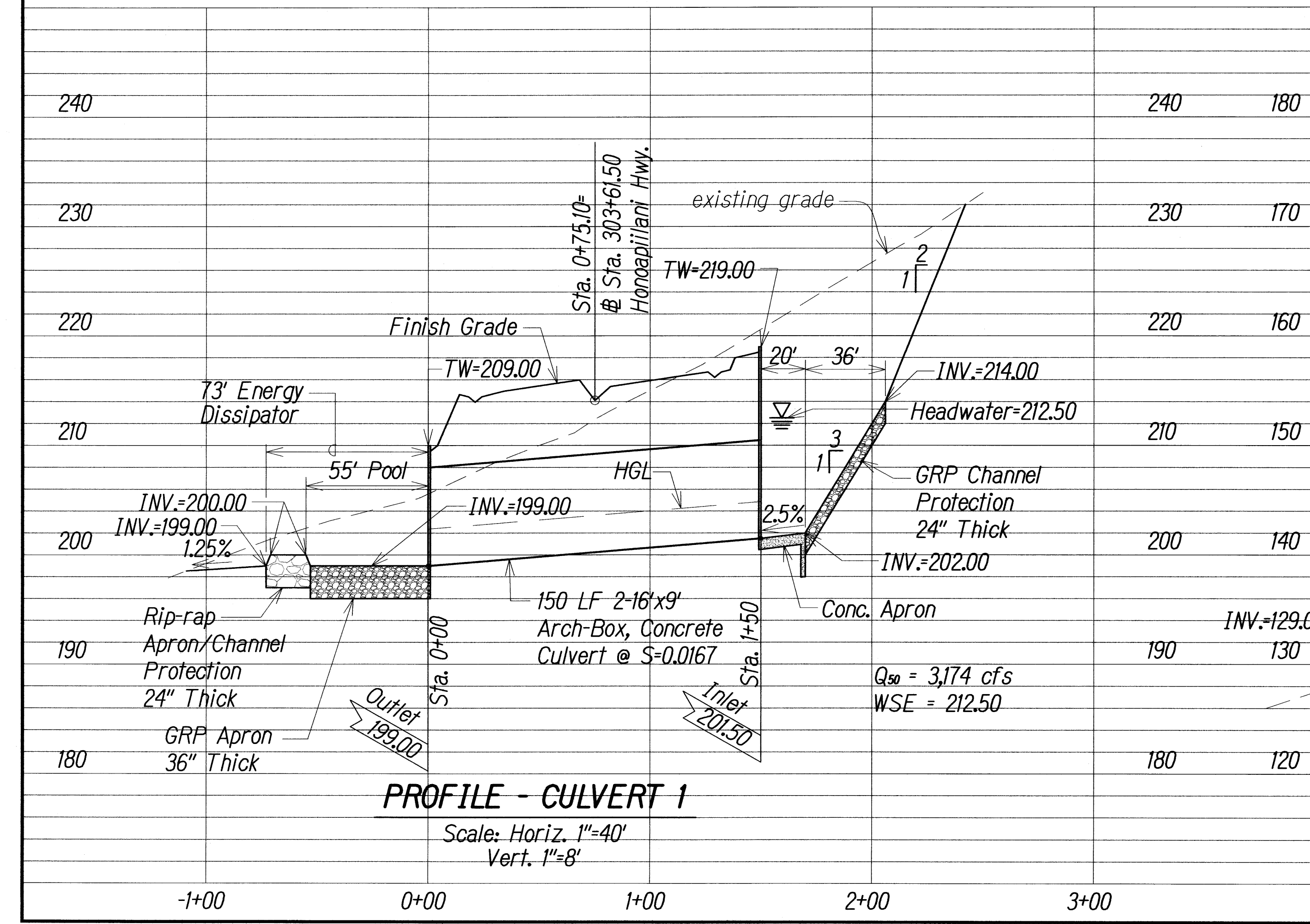
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(38)	2010	57	213



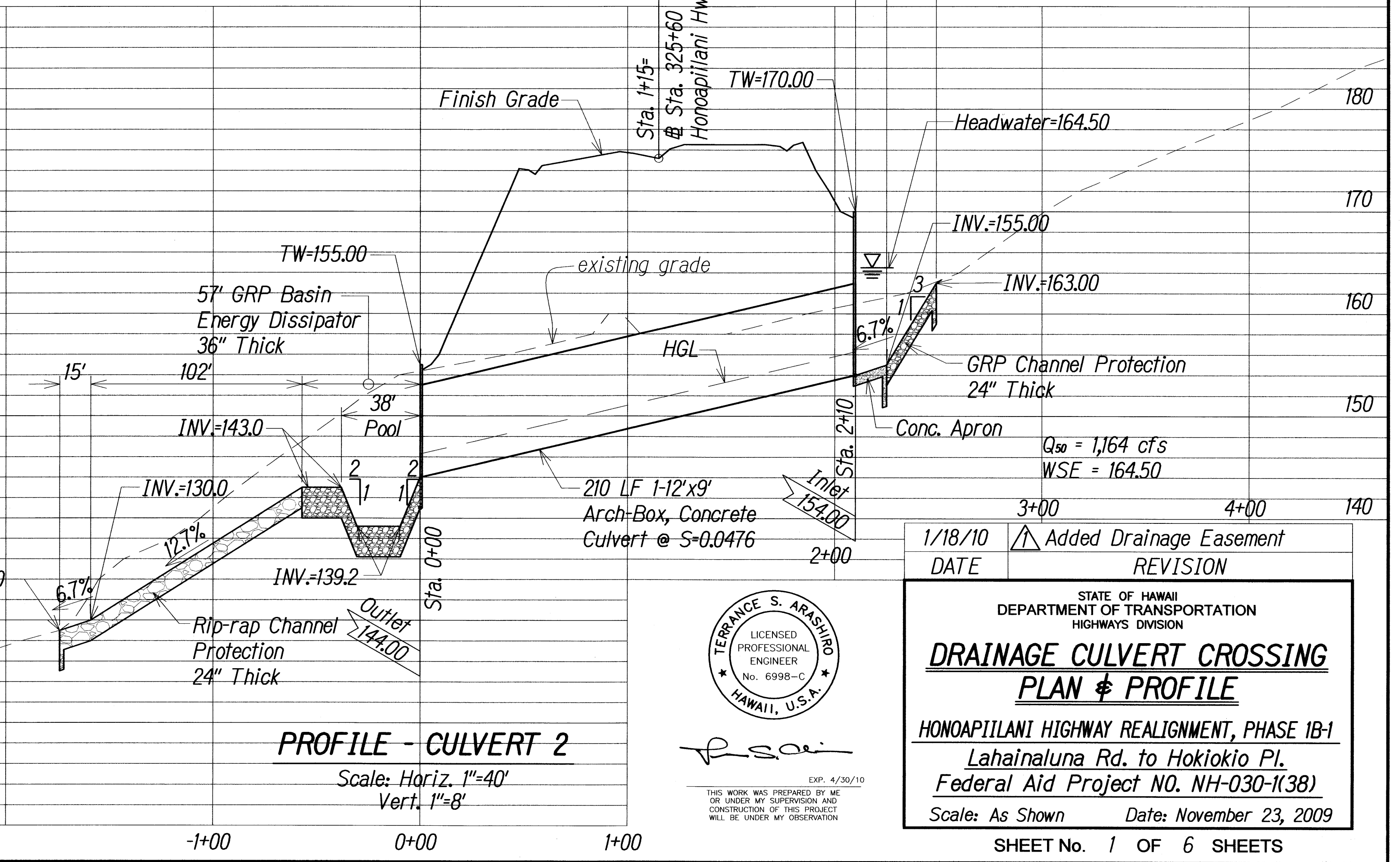
PLAN - CULVERT 1
Scale: 1"=40'



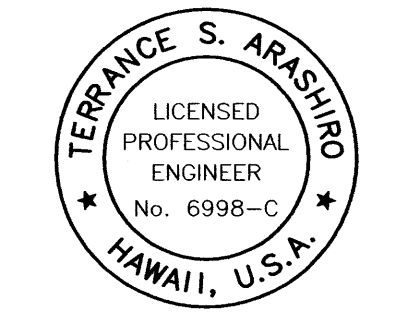
PLAN - CULVERT 2
Scale: 1"=40'



PROFILE - CULVERT 1
Scale: Horiz. 1"=40'
Vert. 1"=8'



PROFILE - CULVERT 2
Scale: Horiz. 1"=40'
Vert. 1"=8'



1/18/10 DATE	Added Drainage Easement REVISION
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

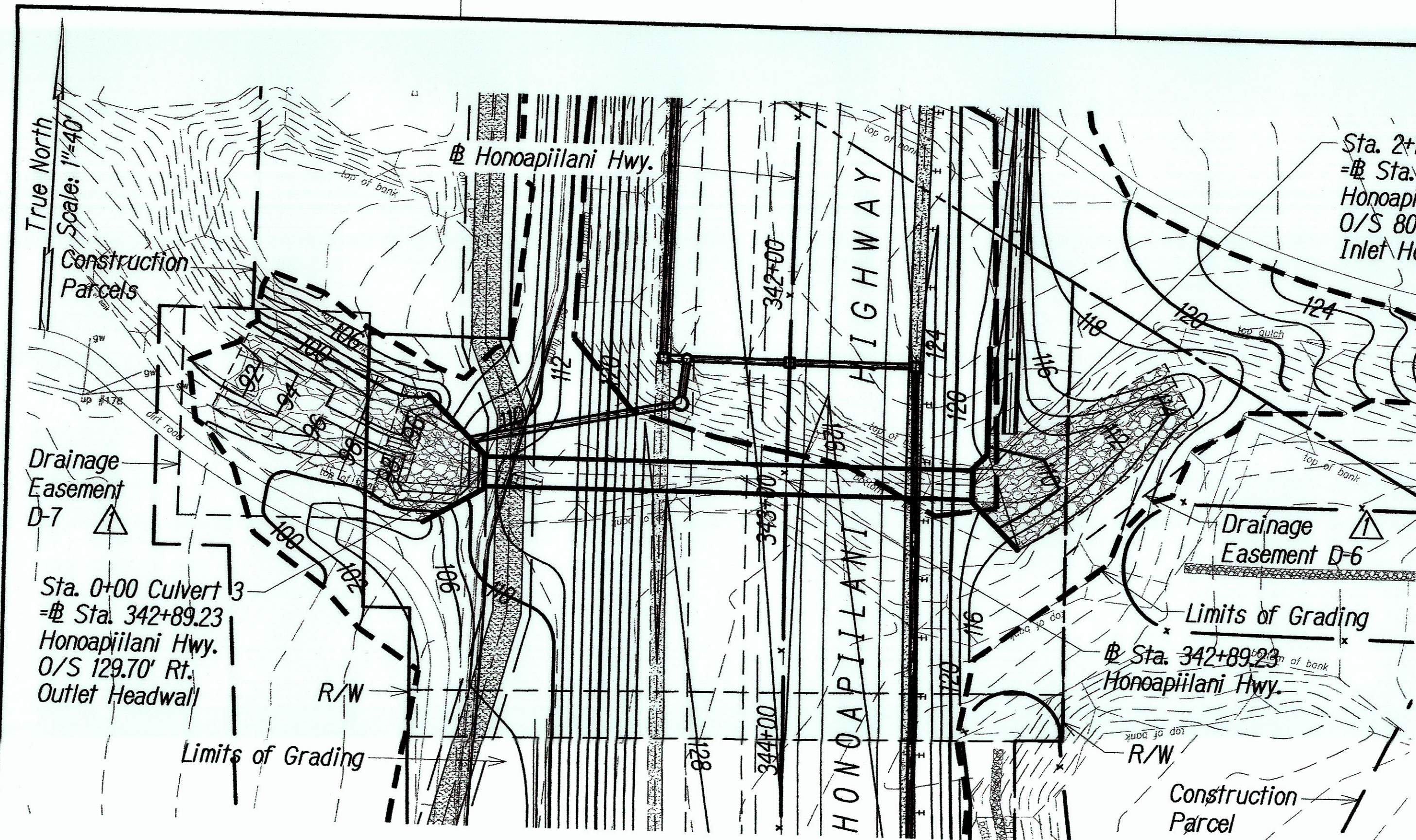
DRAINAGE CULVERT CROSSING
PLAN & PROFILE

HONOAPIILANI HIGHWAY REALIGNMENT, PHASE 1B-1
Lahainaluna Rd. to Hokiokio Pl.
Federal Aid Project NO. NH-030-1(38)

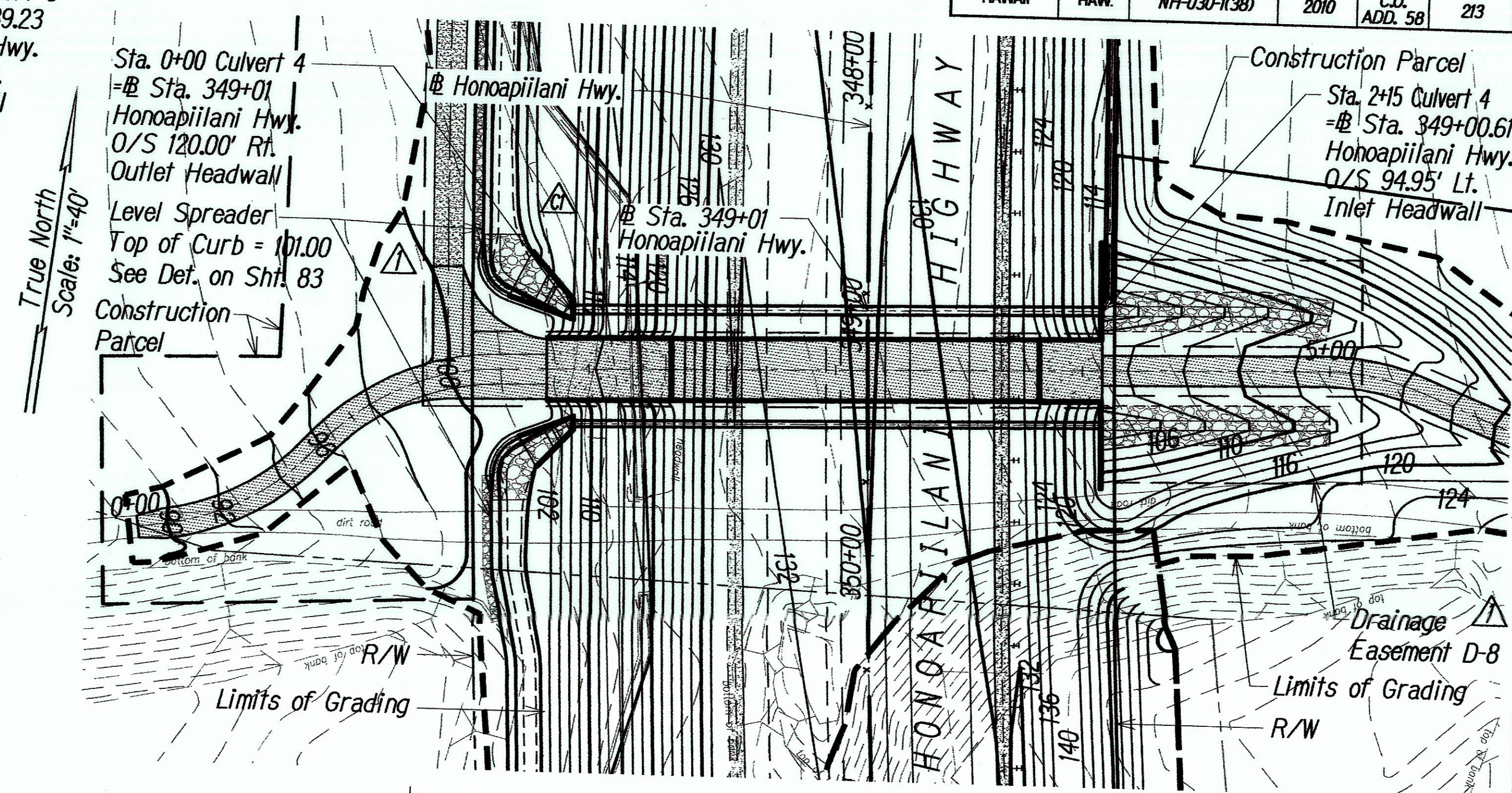
Scale: As Shown Date: November 23, 2009

SHEET No. 1 OF 6 SHEETS

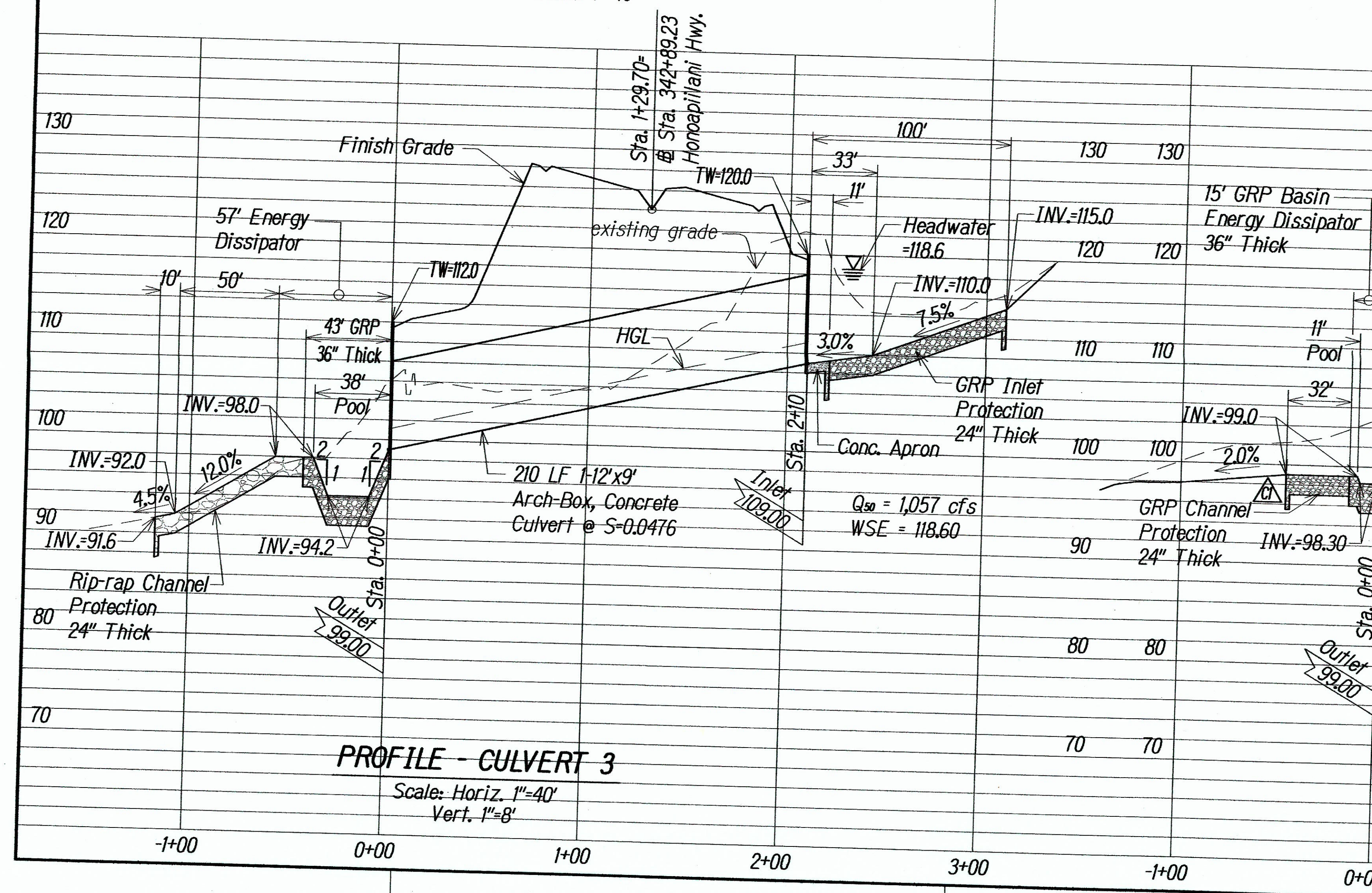
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(38)	2010	C.O. ADD. 58	213



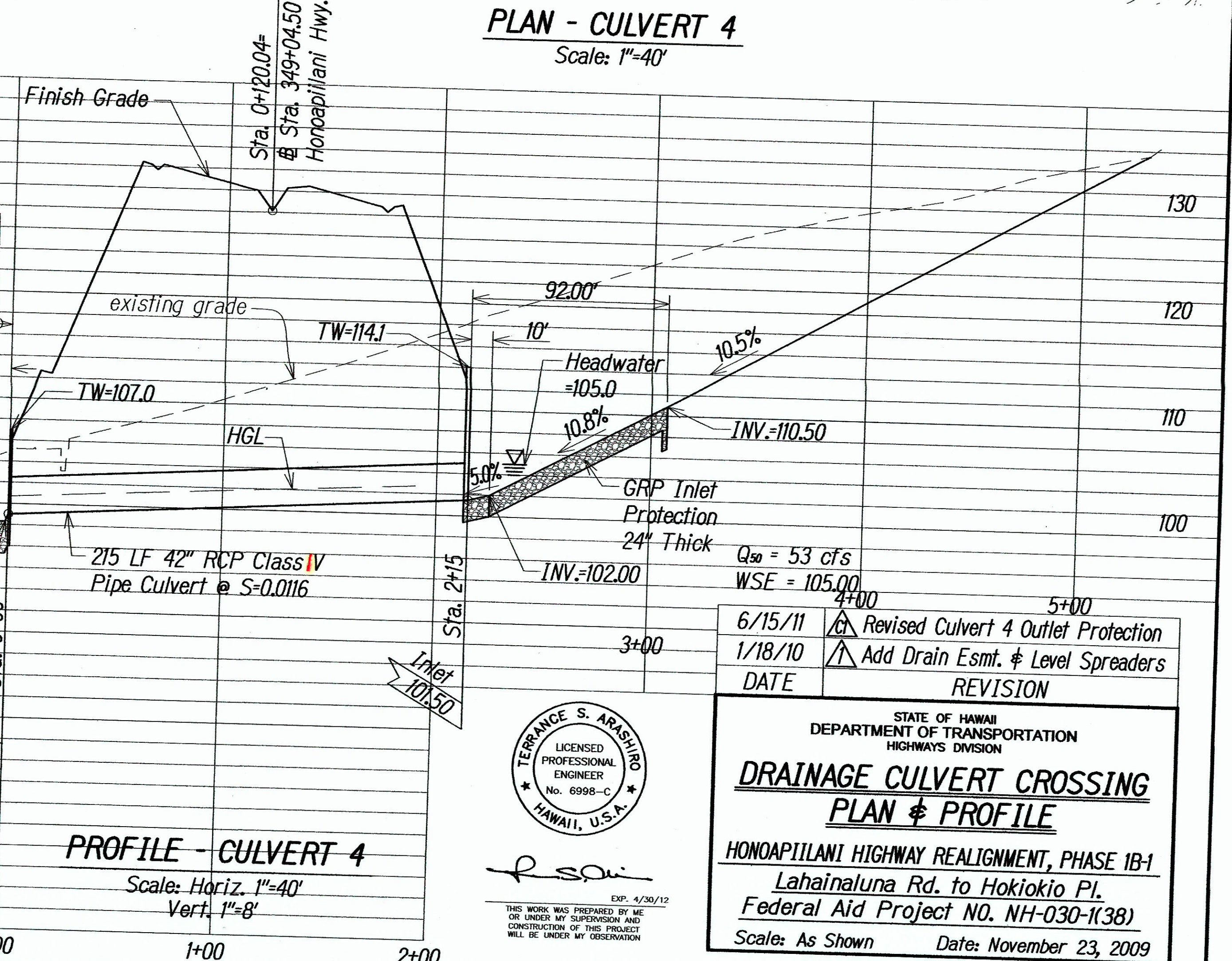
PLAN - CULVERT 3
Scale: 1"=40'



PLAN - CULVERT 4
Scale: 1"=40'



PROFILE - CULVERT 3
Scale: Horiz. 1"=40'
Vert. 1"=8'



PROFILE - CULVERT 4
Scale: Horiz. 1"=40'
Vert. 1"=8'



6/15/11	Revised Culvert 4 Outlet Protection
1/18/10	Add Drain Esmt. & Level Spreaders
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE CULVERT CROSSING
PLAN & PROFILE

HONOAPIILANI HIGHWAY REALIGNMENT, PHASE 1B-1
Lahaina Rd. to Hokiokio Pl.
Federal Aid Project NO. NH-030-1(38)

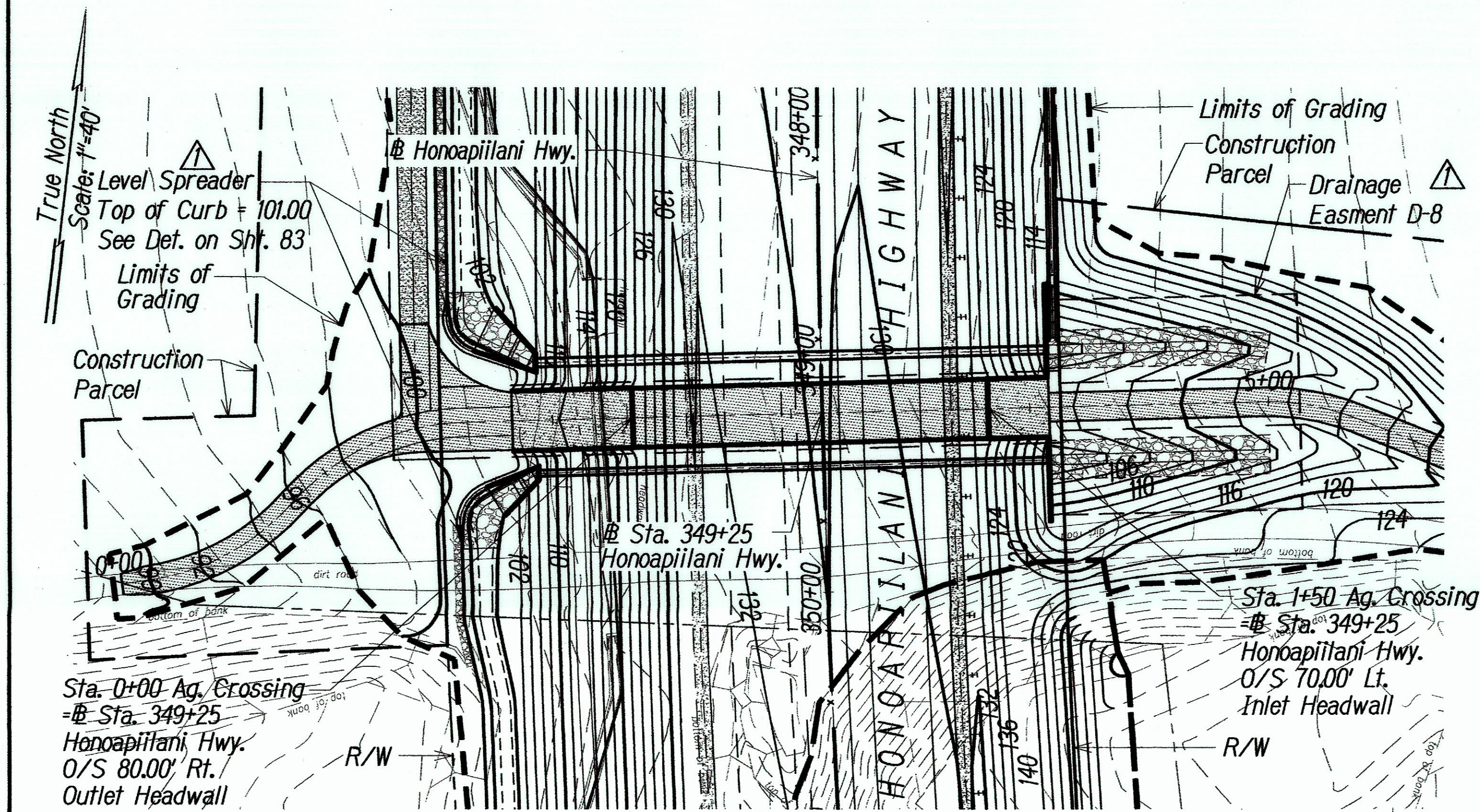
Scale: As Shown Date: November 23, 2009

SHEET No. 2 OF 6 SHEETS

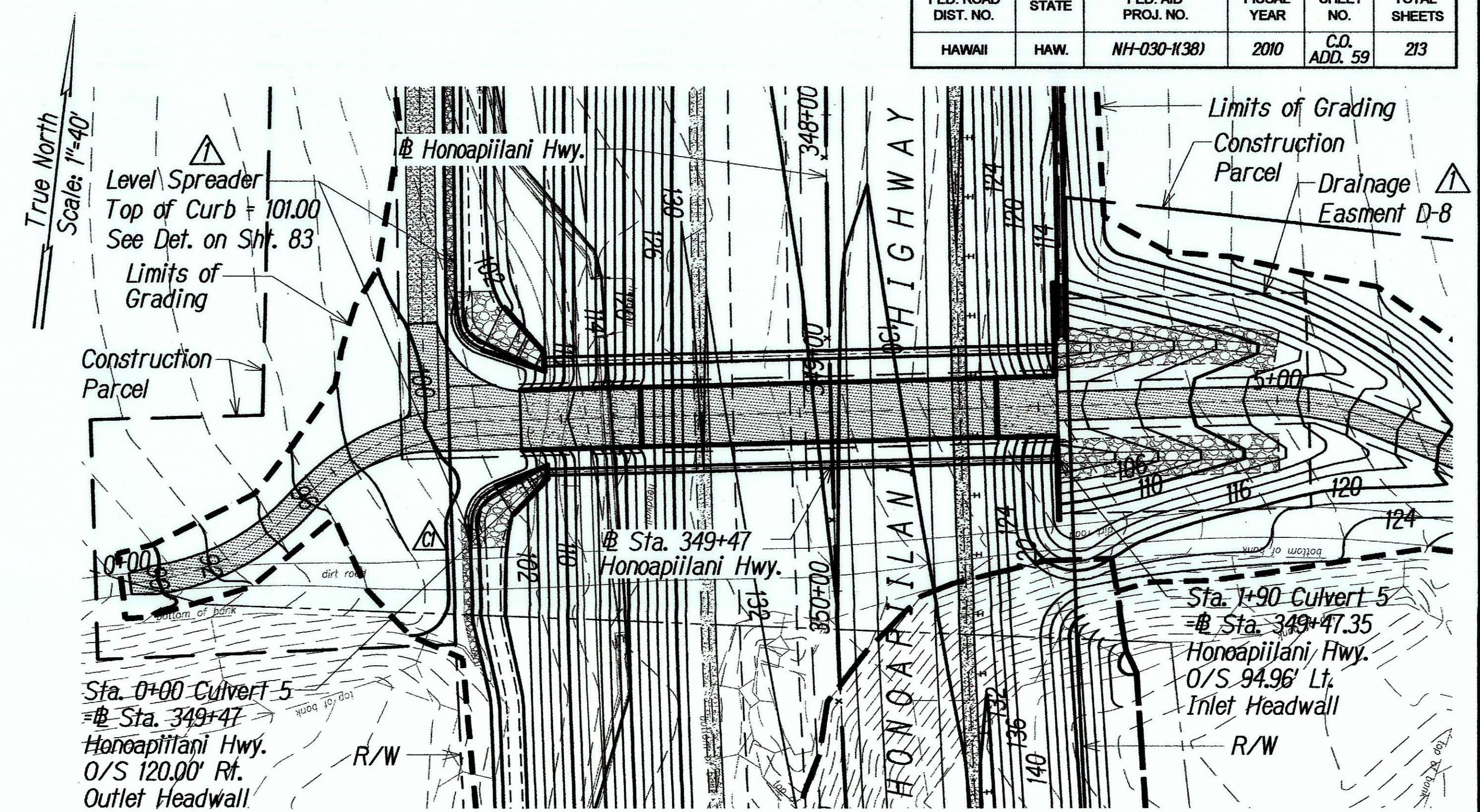
"AS-BUILT"

C.O. ADD. 58

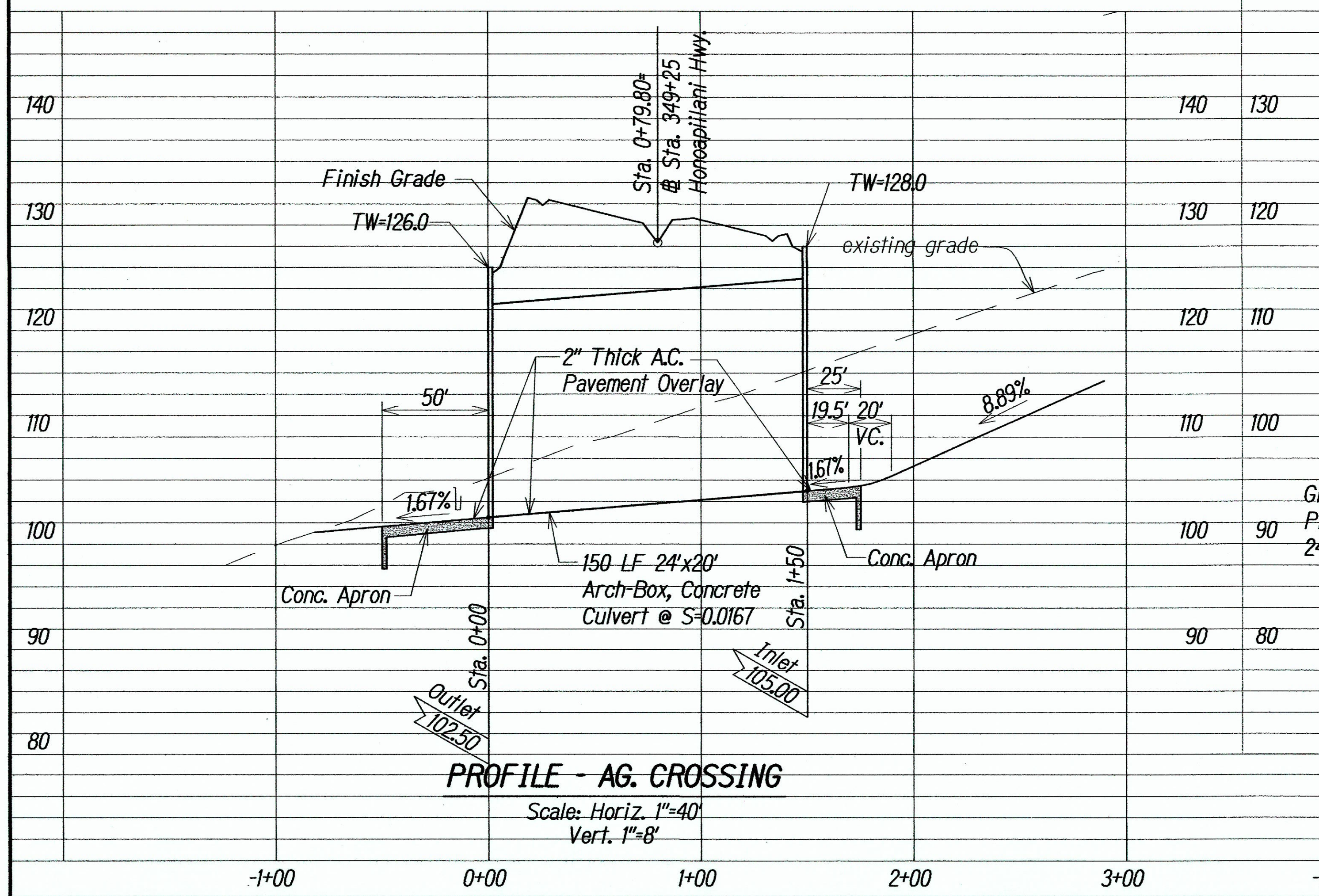
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-K(38)	2010	C.O. ADD. 59	213



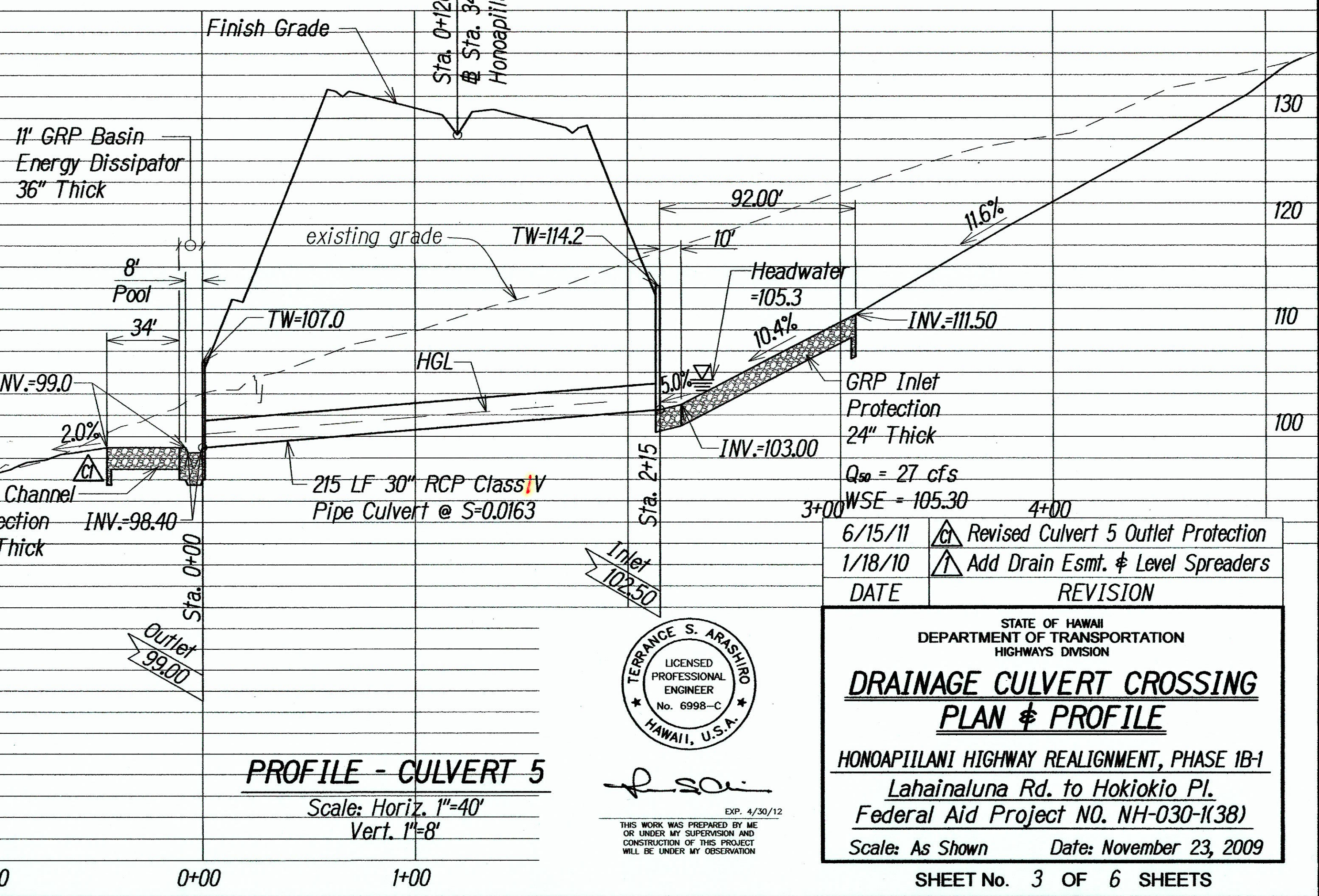
PLAN - AG. CROSSING
Scale: 1"=40'



PLAN - CULVERT 5
Scale: 1"=40'



PROFILE - AG. CROSSING
Scale: Horiz. 1"=40'
Vert. 1"=8'



PROFILE - CULVERT 5
Scale: Horiz. 1"=40'
Vert. 1"=8'



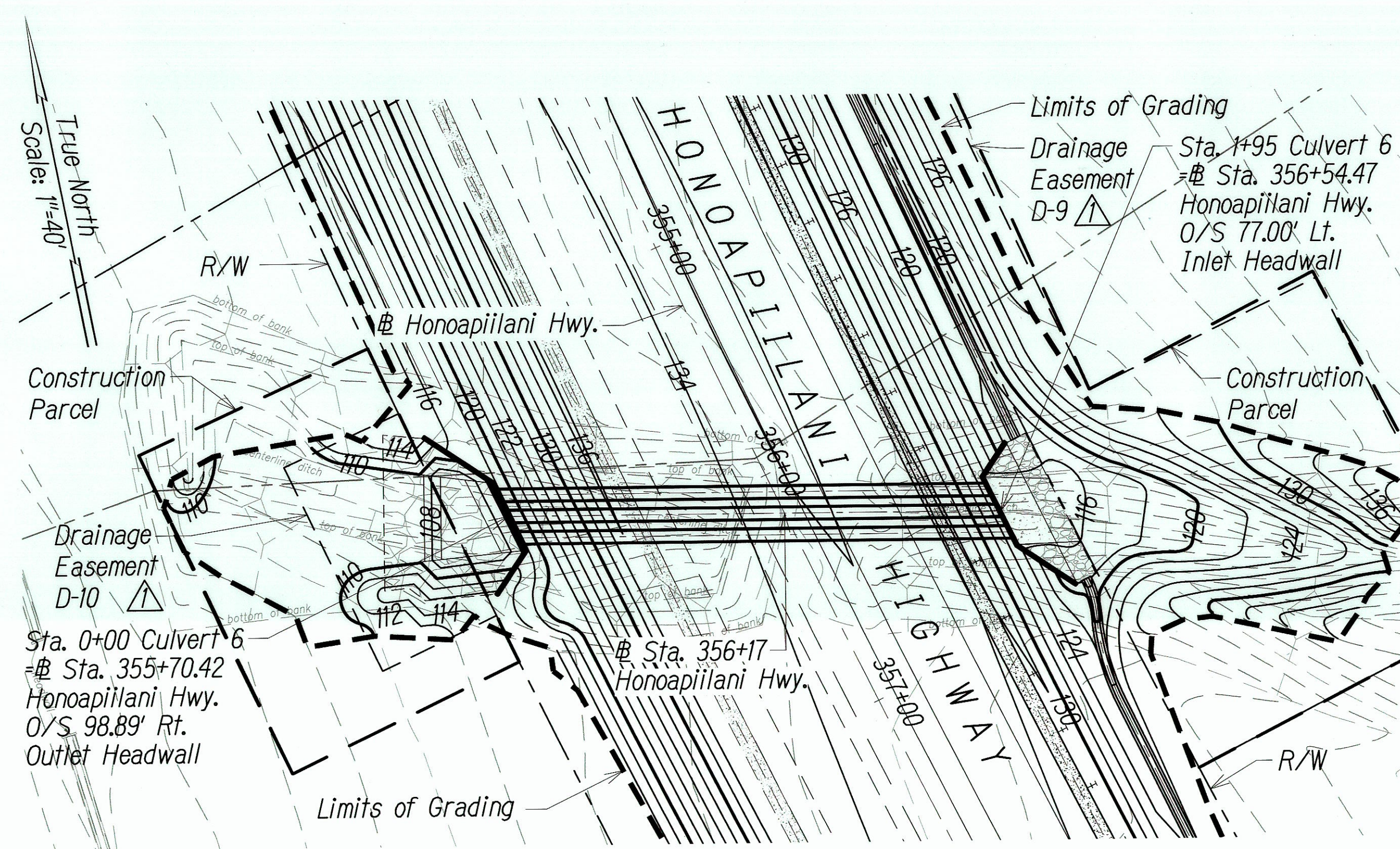
6/15/11	Revised Culvert 5 Outlet Protection
1/18/10	Add Drain Esmt. & Level Spreaders
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

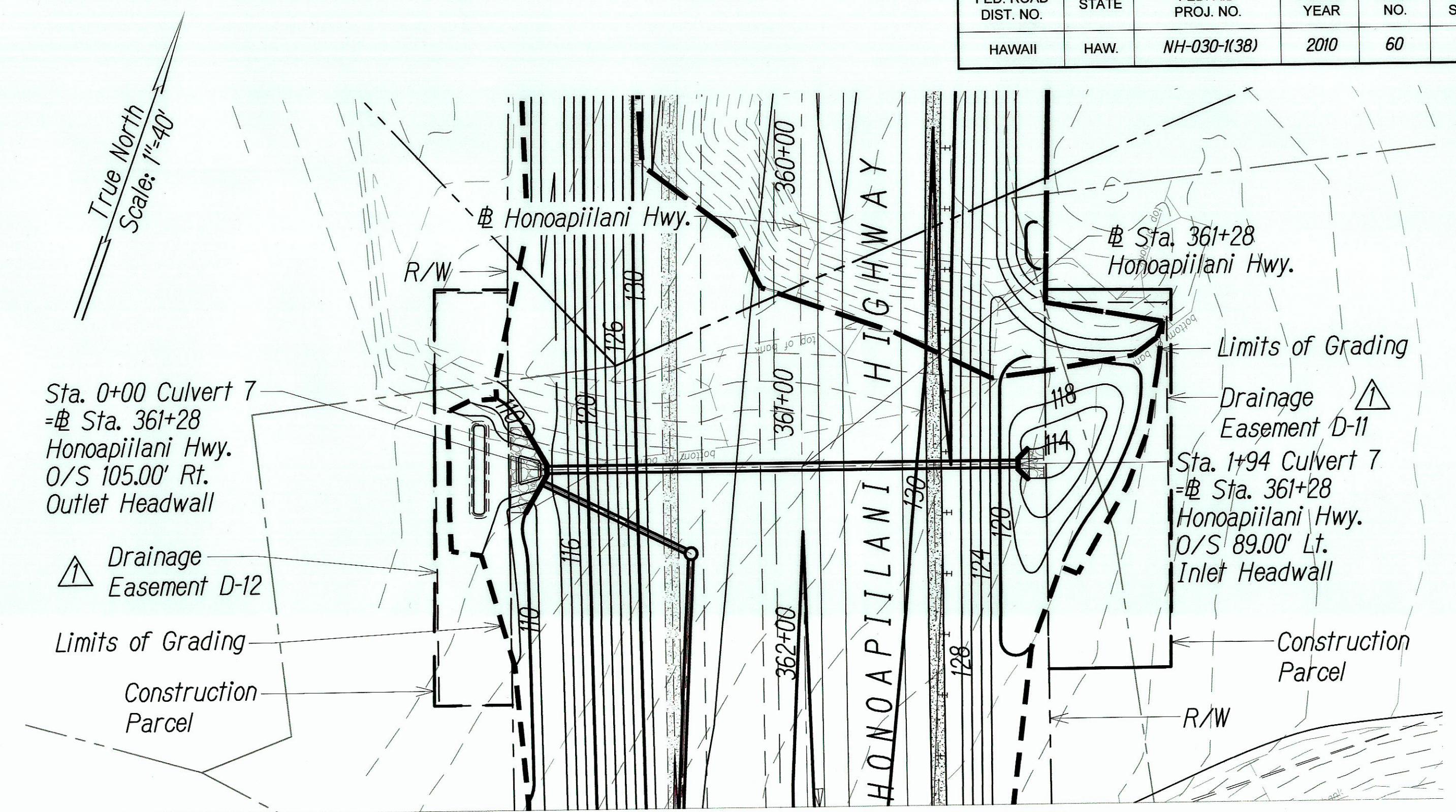
DRAINAGE CULVERT CROSSING
PLAN & PROFILE
HONOAPIILANI HIGHWAY REALIGNMENT, PHASE 1B-1
Lahainaluna Rd. to Hokiokio Pl.
Federal Aid Project NO. NH-030-K(38)
Scale: As Shown Date: November 23, 2009

"AS-BUILT"

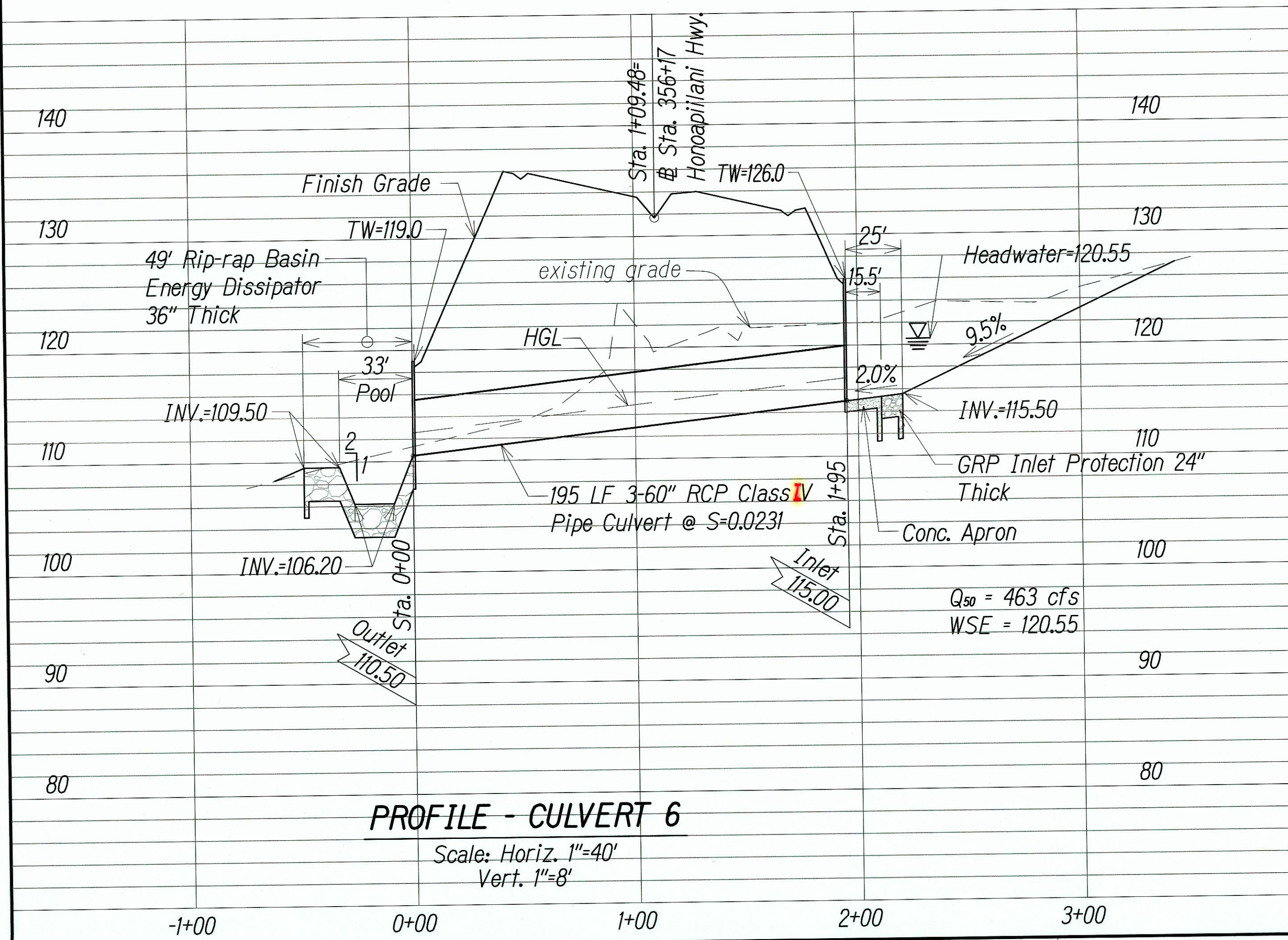
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(38)	2010	60	213



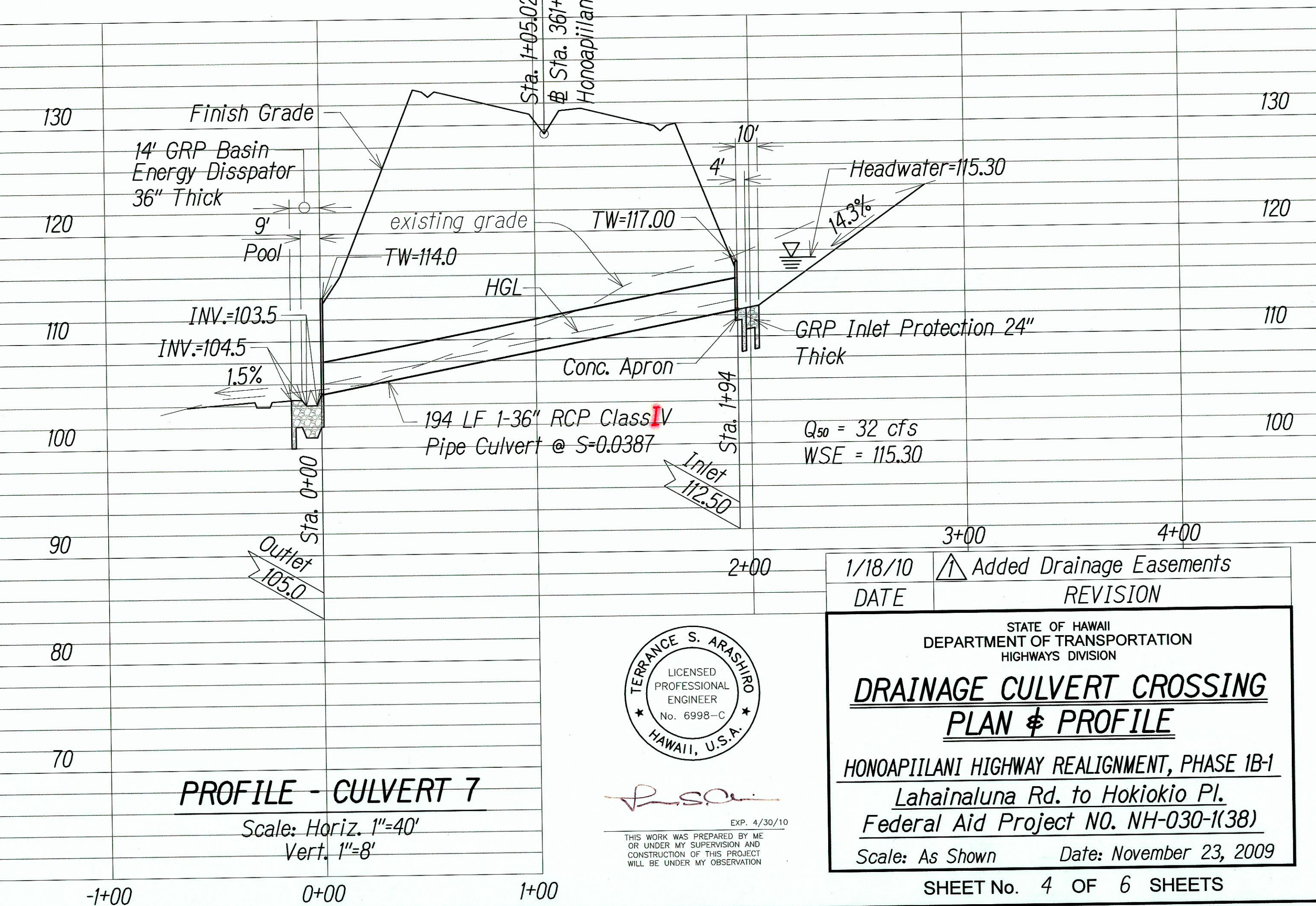
PLAN - CULVERT 6
Scale: 1"=40'



PLAN - CULVERT 7
Scale: 1"=40'



PROFILE - CULVERT 6
Scale: Horiz. 1"=40'
Vert. 1"=8'



PROFILE - CULVERT 7
Scale: Horiz. 1"=40'
Vert. 1"=8'

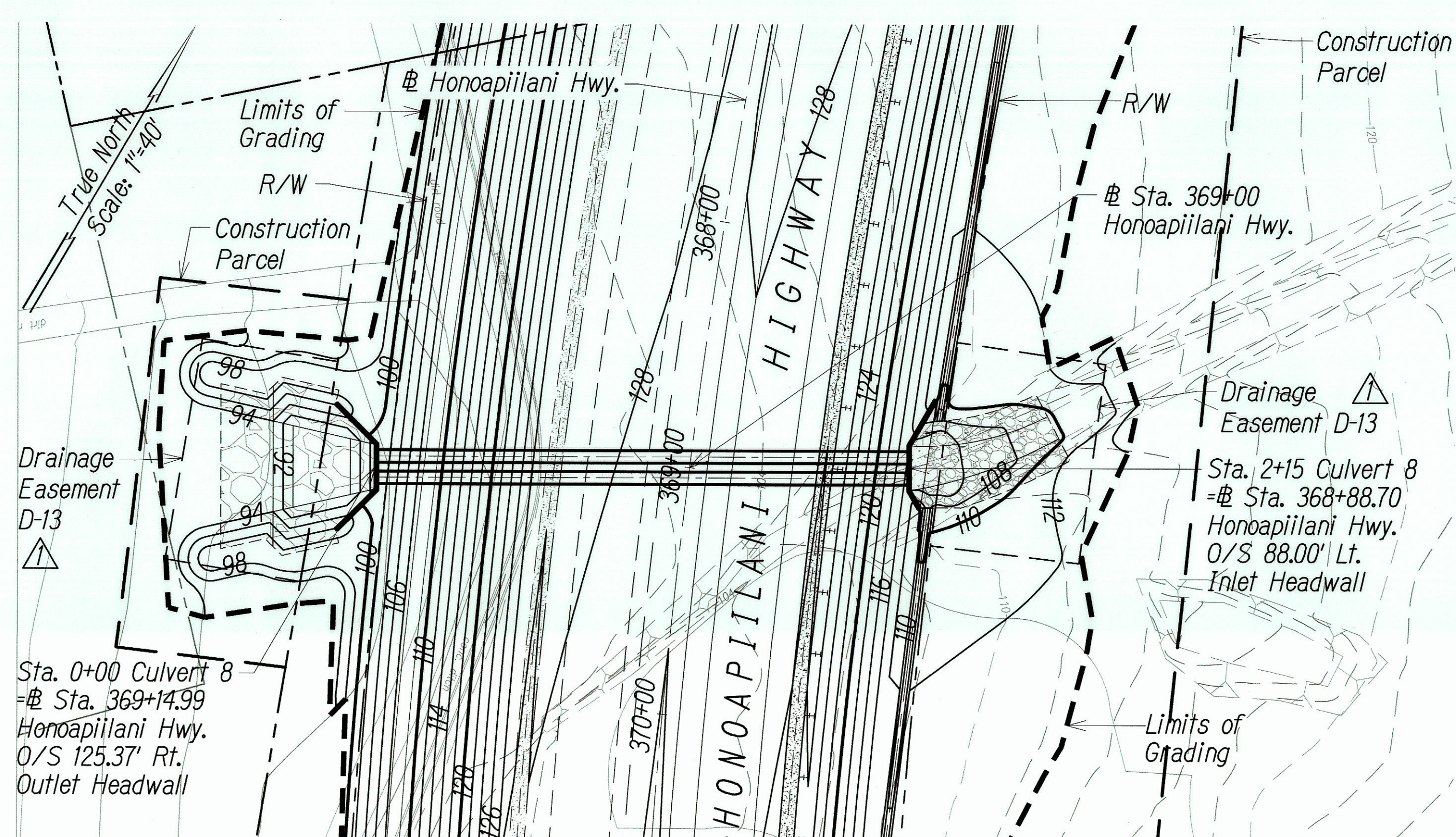


1/18/10	Added Drainage Easements
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
DRAINAGE CULVERT CROSSING	
PLAN & PROFILE	
HONOAPIILANI HIGHWAY REALIGNMENT, PHASE 1B-1	
Lahainaluna Rd. to Hokiokio Pl.	
Federal Aid Project NO. NH-030-1(38)	
Scale: As Shown	Date: November 23, 2009
SHEET No. 4 OF 6 SHEETS	

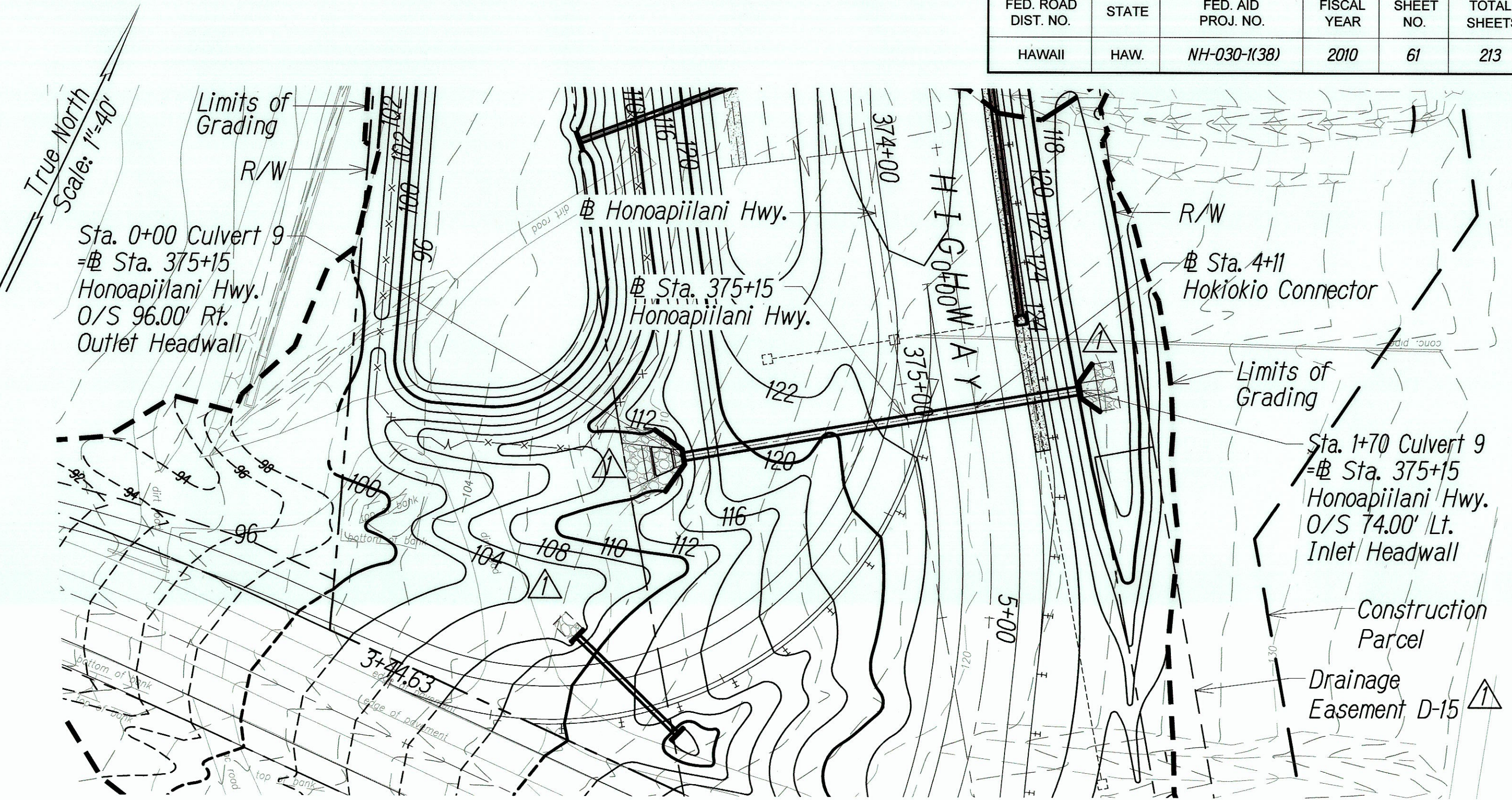
"AS-BUILT"

ADD. 60

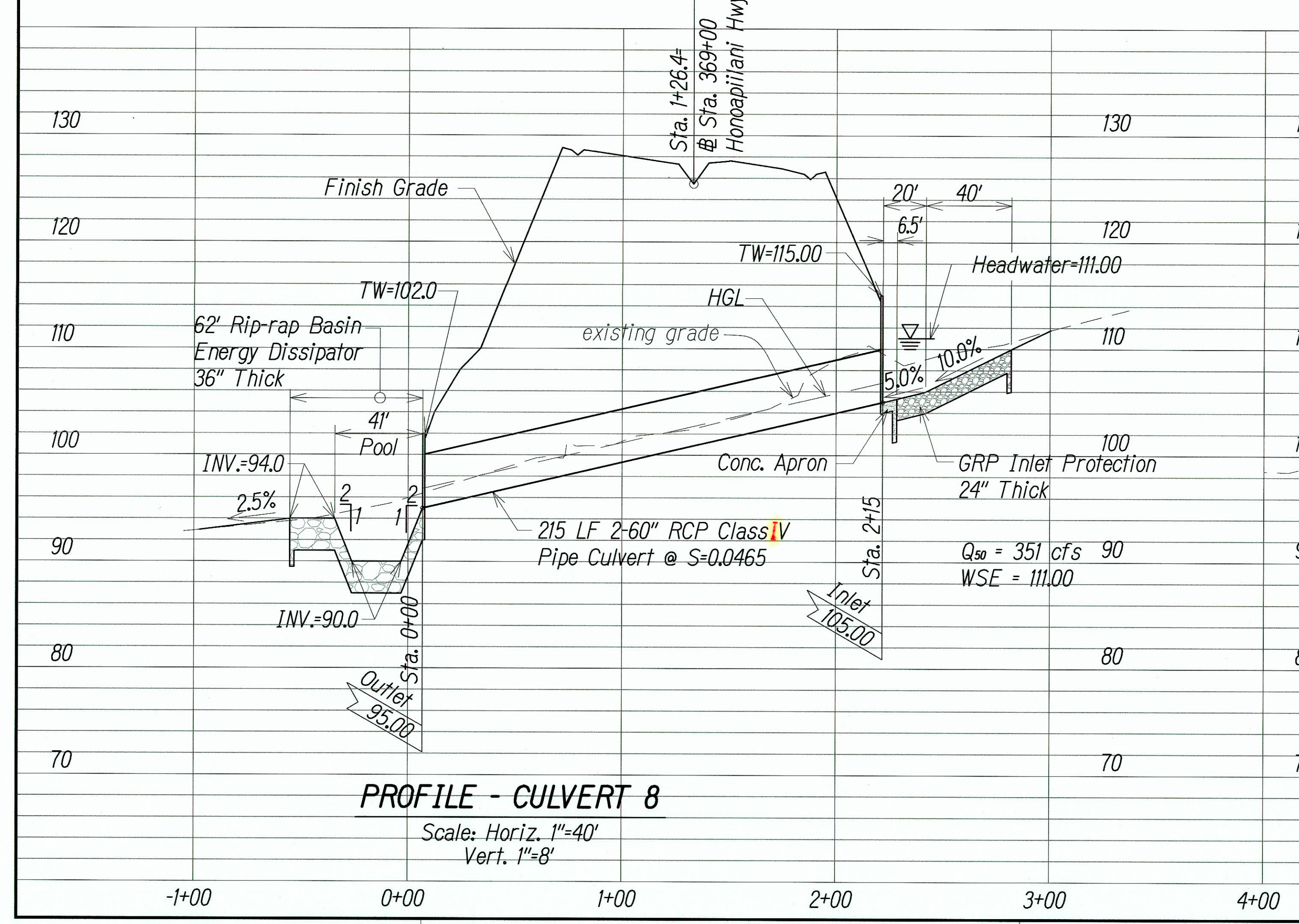
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(38)	2010	61	213



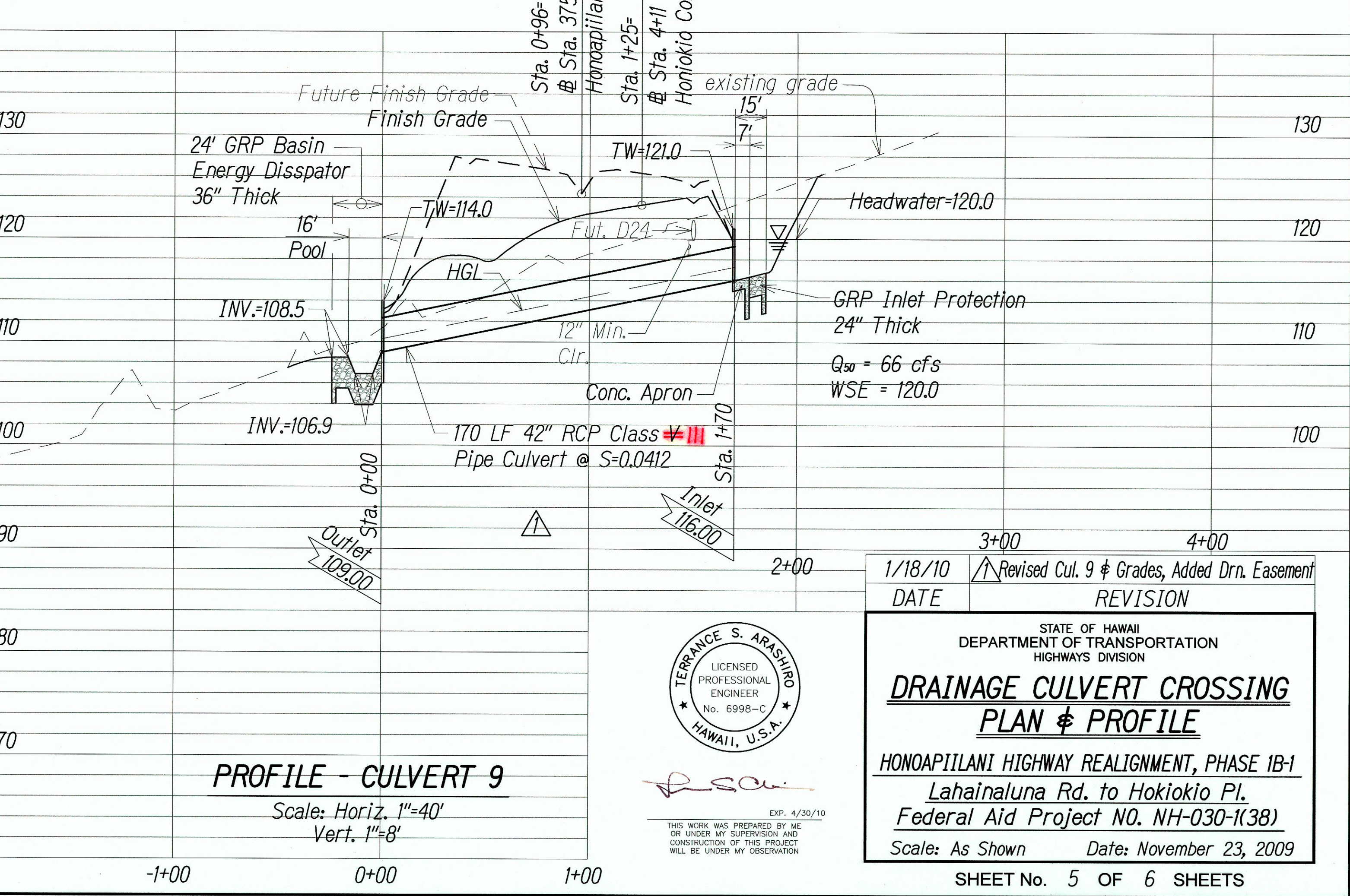
PLAN - CULVERT 8
Scale: 1"=40'



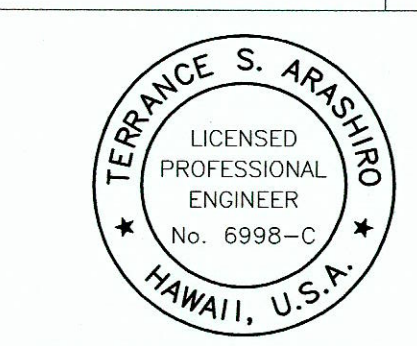
PLAN - CULVERT 9
Scale: 1"=40'



PROFILE - CULVERT 8
Scale: Horiz. 1"=40'
Vert. 1"=8'



PROFILE - CULVERT 9
Scale: Horiz. 1"=40'
Vert. 1"=8'



1/18/10	Revised Cul. 9 & Grades, Added Drn. Easement
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE CULVERT CROSSING
PLAN & PROFILE

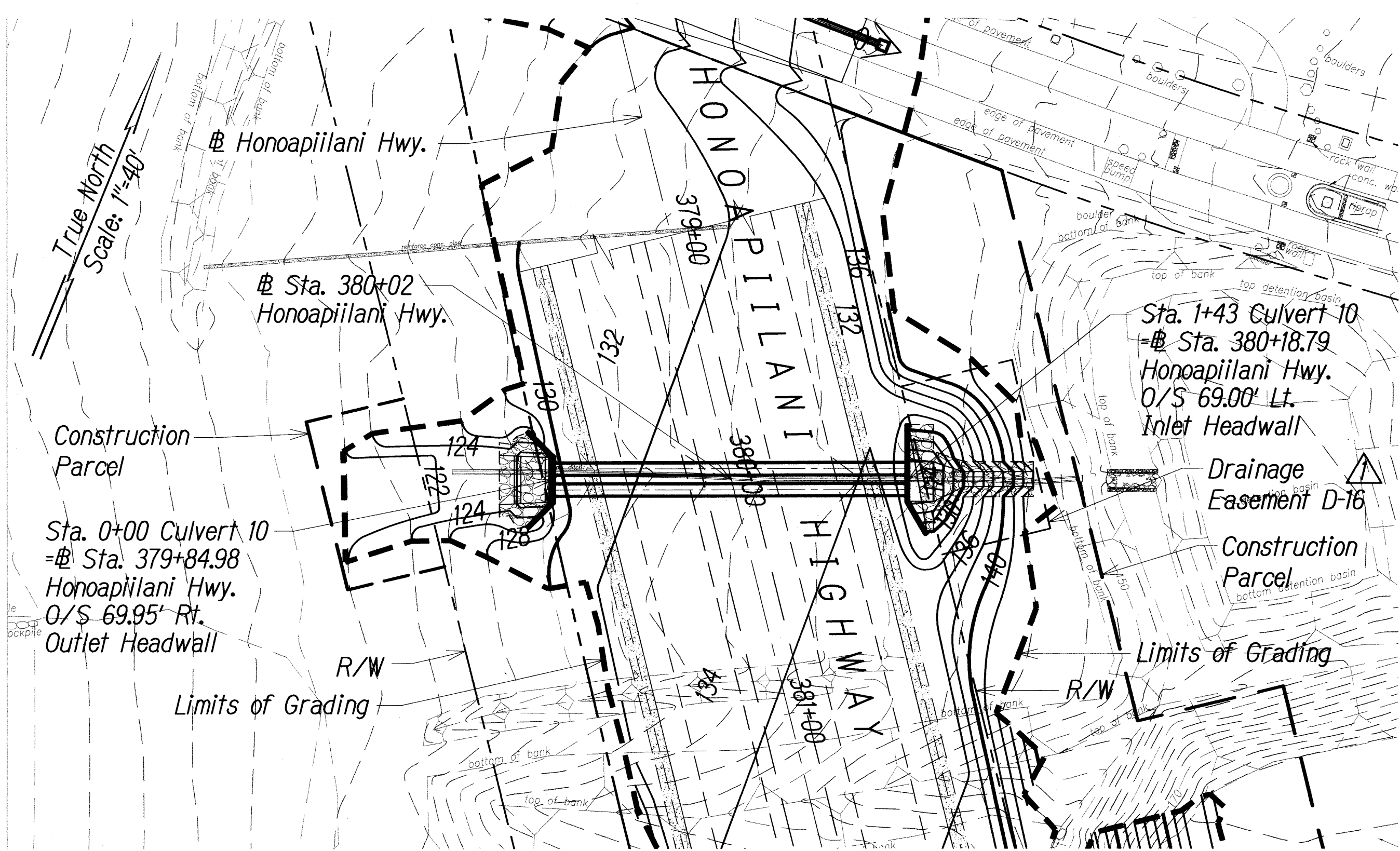
HONOAPIILANI HIGHWAY REALIGNMENT, PHASE 1B-1
Lahainaluna Rd. to Hokiokio Pl.
Federal Aid Project NO. NH-030-1(38)

Scale: As Shown Date: November 23, 2009

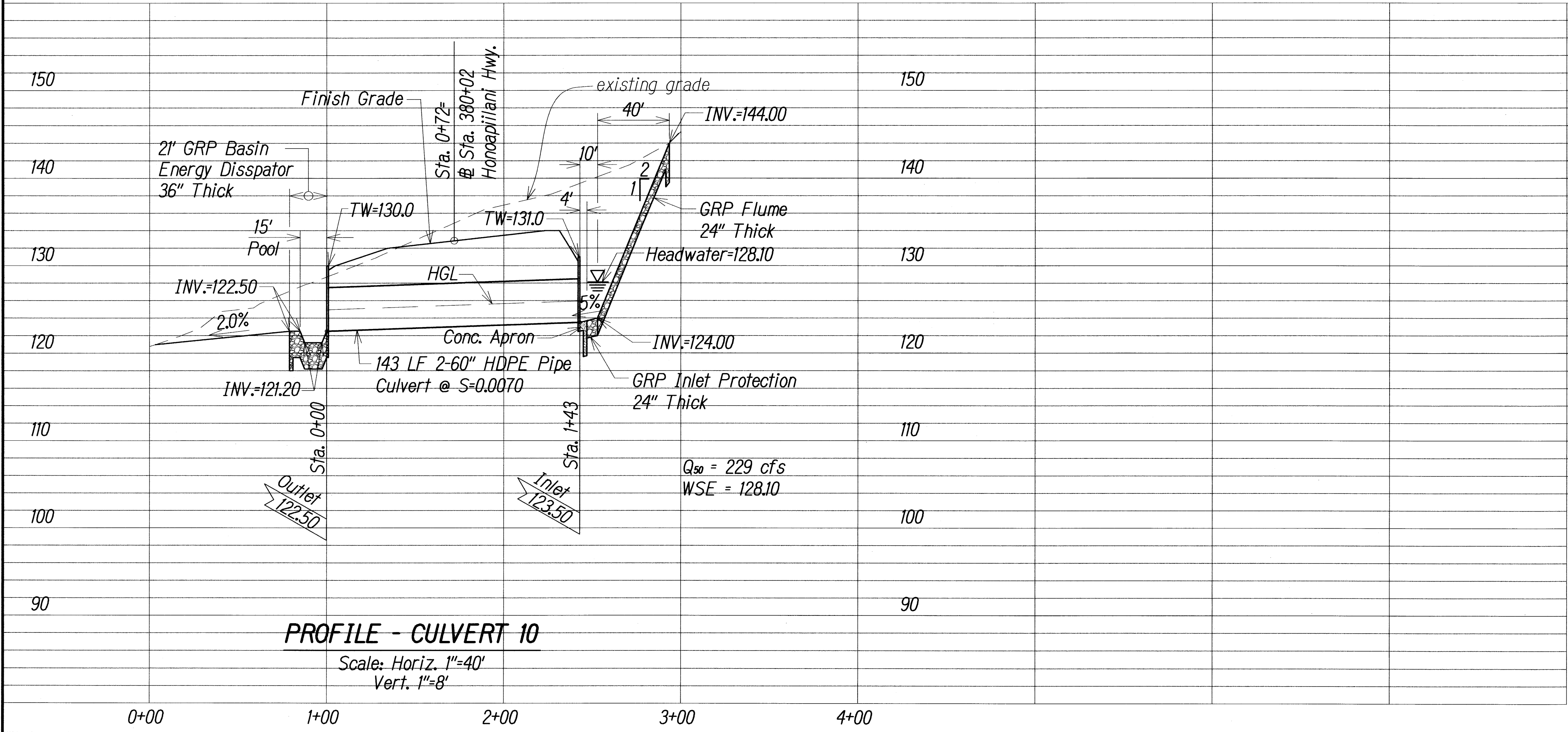
SHEET No. 5 OF 6 SHEETS

"AS-BUILT"

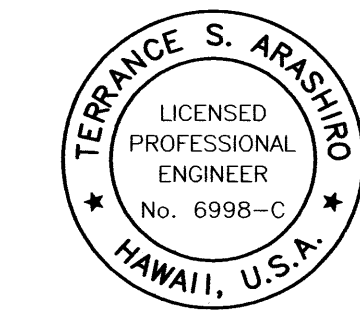
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(38)	2010	62	213



PLAN - CULVERT 10
Scale: 1"=40'



PROFILE - CULVERT 10
Scale: Horiz. 1"=40'
Vert. 1"=8'



EXP. 4/30/10
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION AND
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION

1/18/10 DATE	Added Drainage Easements REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION DRAINAGE CULVERT CROSSING PLAN & PROFILE HONOAPIILANI HIGHWAY REALIGNMENT, PHASE 1B-1 Lahainaluna Rd. to Hokiokio Pl. Federal Aid Project NO. NH-030-1(38) Scale: As Shown Date: November 23, 2009	
SHEET No. 6 OF 6 SHEETS	