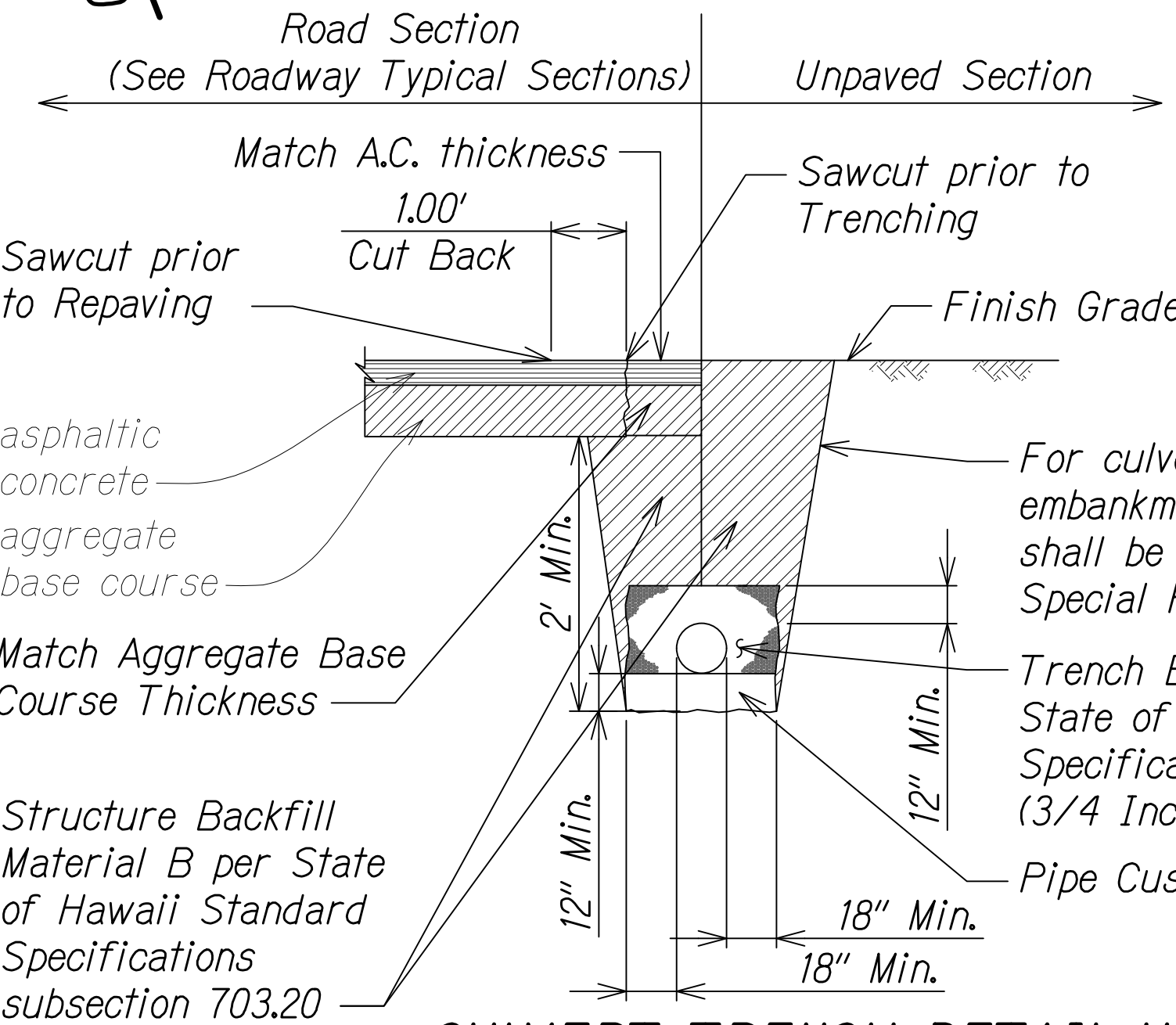
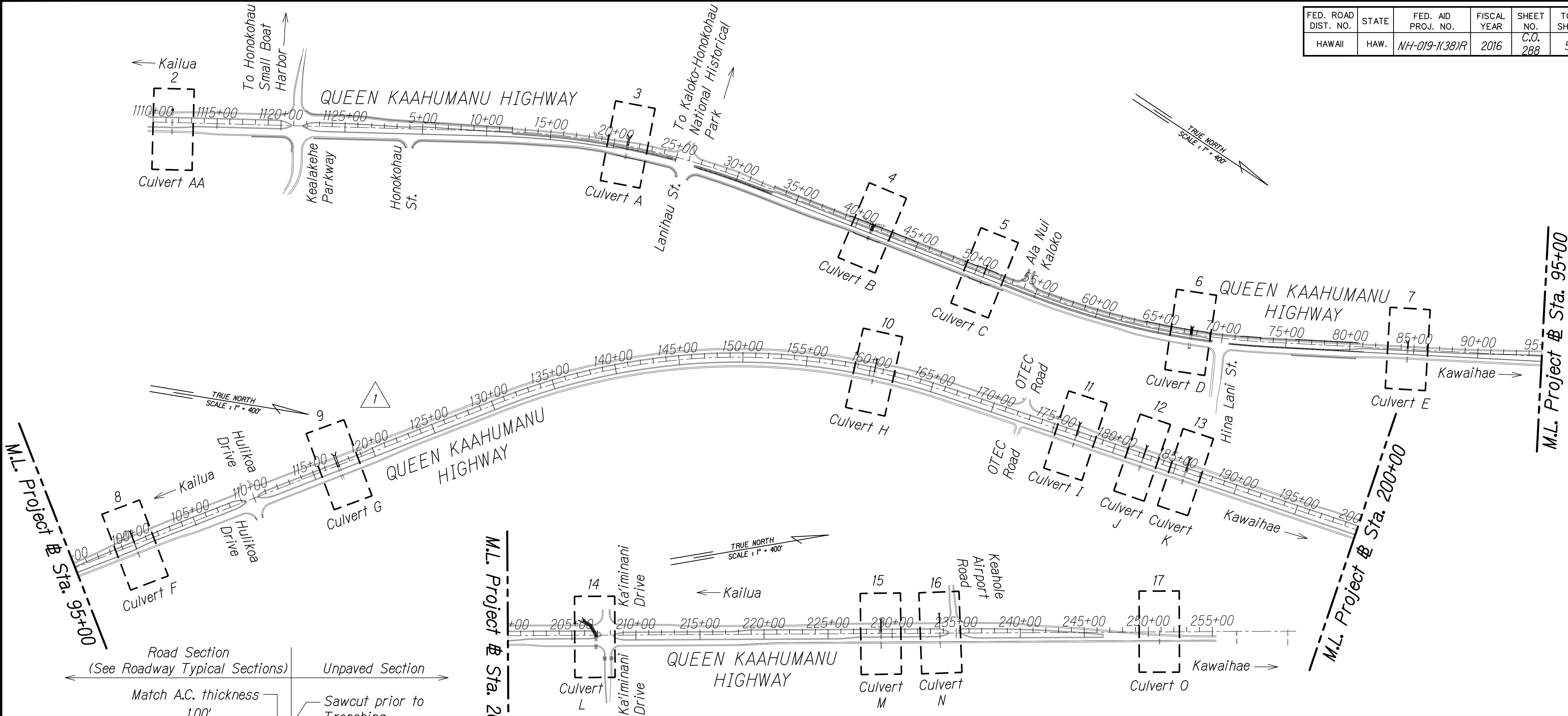
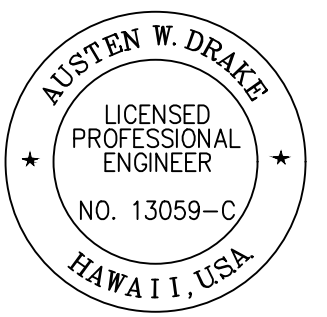
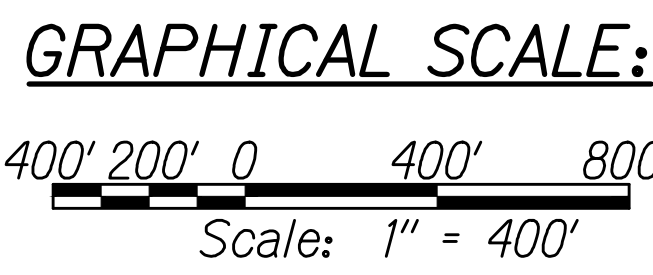


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(38)R	2016	C.O. 288	528



CULVERT TRENCH DETAIL UNDER EXISTING PAVEMENT OR UNPAVED AREAS WITHIN STATE HWY. RIGHT-OF-WAY
Not to Scale

KEY PLAN
Scale: 1" = 400'

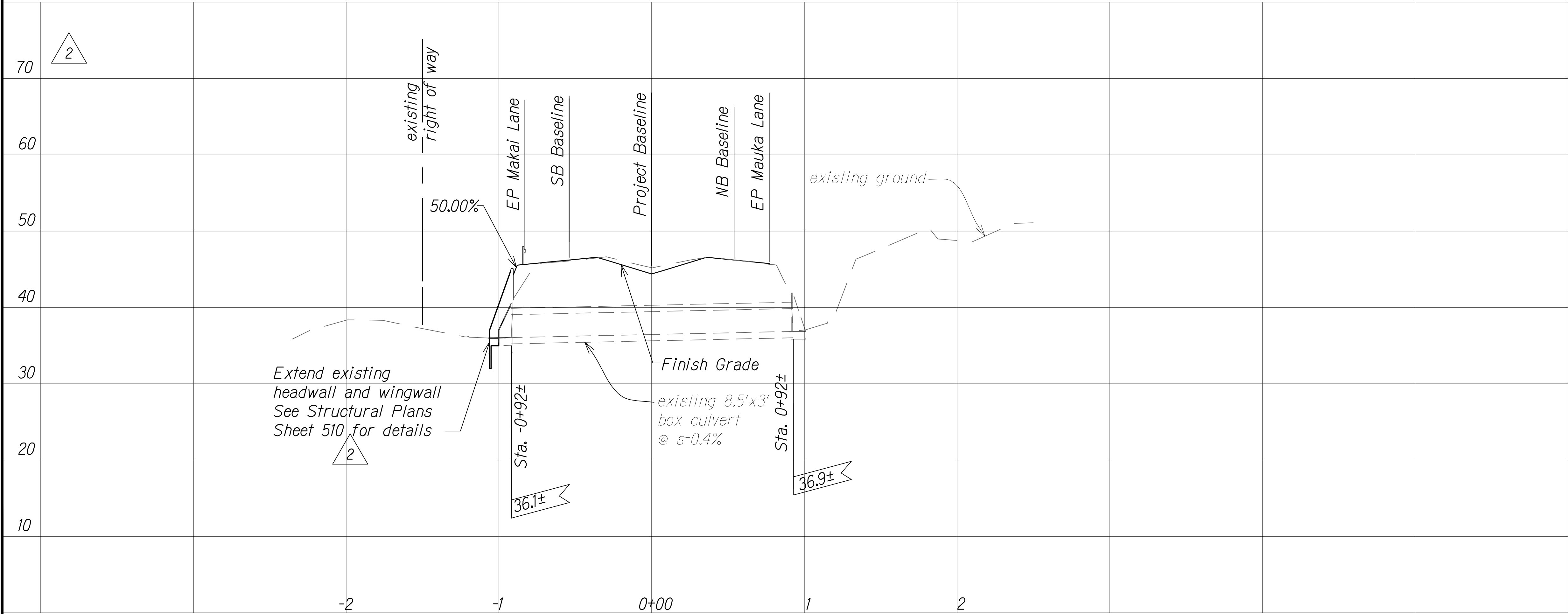


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Austen W. Drake
SIGNATURE
APRIL 30, 2018
EXPIRATION DATE OF THE LICENSE

1/22/16	Added trench detail; Removed Kohanaiki Driveway
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
CULVERT PLAN AND PROFILE	
QUEEN KAAHUMANU HIGHWAY WIDENING Kealahou Pkwy. To Keahole Airport Rd.(Ph. 2) Federal Aid Project No. NH-019-1(38)R	
Scale: AS NOTED	Date: DECEMBER 2016
SHEET No. 1 OF 17 SHEETS	

ORIGINAL PLAN	SURVEY PLOTTED BY _____		DATE _____
	DESIGNED BY _____		TRACED BY _____
NOTE BOOK No. _____	DESIGNED BY _____		QUANTITIES BY _____
	CHECKED BY _____		

W:_CIVIL_3D PROJECTS\2008_003_001 GBI QUEEN K HWY WIDENING\01 CIVIL DRAWINGS\289 CULVERT AA PP.DWG 8/5/2016 2:29 PM



Culvert AA
Sta. -0+92±=
Project Baseline
Sta. 1111+51±
O/S 92± Lt.
Extend existing
headwall and wingwall
See Structural Plan
Sheet 510 for details

Intersection
Culvert AA
Sta. 0+00.00=
Project Baseline
Sta. 1111+50.86

Culvert AA
Sta. 0+92±=
Project Baseline
Sta. 1111+51±
O/S 92± Rt.
existing inlet structure
to remain

185± l.f.
existing 8.5'x3' box culvert

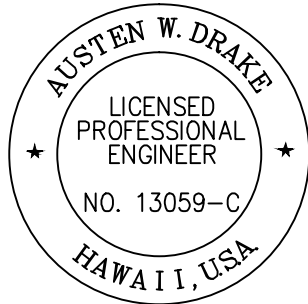
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(38)R	2016	C.O. 289	528 322

LEGEND:

- existing ground along ϕ of culvert
- Finish Grade Along ϕ Of Culvert

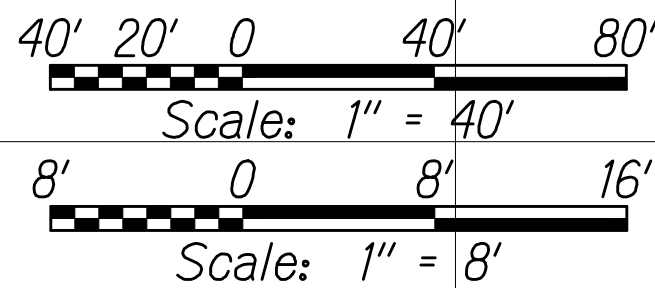
**LEGEND FOR
AS-BUILT POSTINGS**

- Squiggly line for as-built deletion
- Double line for as-built deletion
- Roadway Text for as-built posting



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APRIL 30, 2018
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OF THE LICENSE

GRAPHICAL SCALES:



CULVERT AA PROFILE

Scale: Horiz. 1" = 40'
Vert. 1" = 8'

8/1/16	Removed note; Added grid elev. ϕ labels; Revised sht. ref.
DATE	REVISION

SHEET No. 2 OF 17 SHEETS

"AS-BUILT"

8/5/2016 2:29 PM

C.O. 289

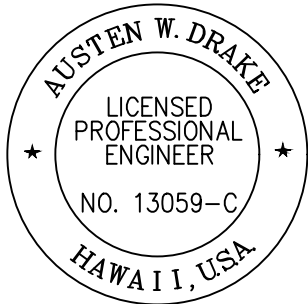
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(38)R	2016	C.O. 291	528

LEGEND:

- existing ground along ϕ of culvert
- _____ Finish Grade Along ϕ Of Culvert
- S24"— Proposed Sewerline with Pipe Size
- W16"— Proposed Waterline with Pipe Size
- RW20"— Proposed Reclaimed Water with Pipe Size
- HGL
- $\longleftrightarrow$ Direction of Flow

NOTES:

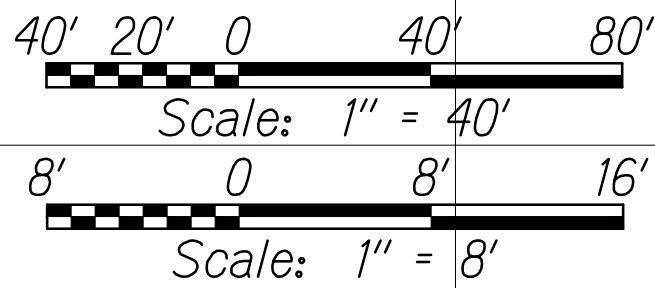
- Contractor to adjust limits of grading to maintain clearance from exist. utility pole.
- Contractor to confirm slope condition with Geotechnical Engineer after excavation to confirm slope stability.



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Austen W. Drake APRIL 30, 2018
SIGNATURE EXPIRATION DATE OF THE LICENSE

GRAPHICAL SCALES:



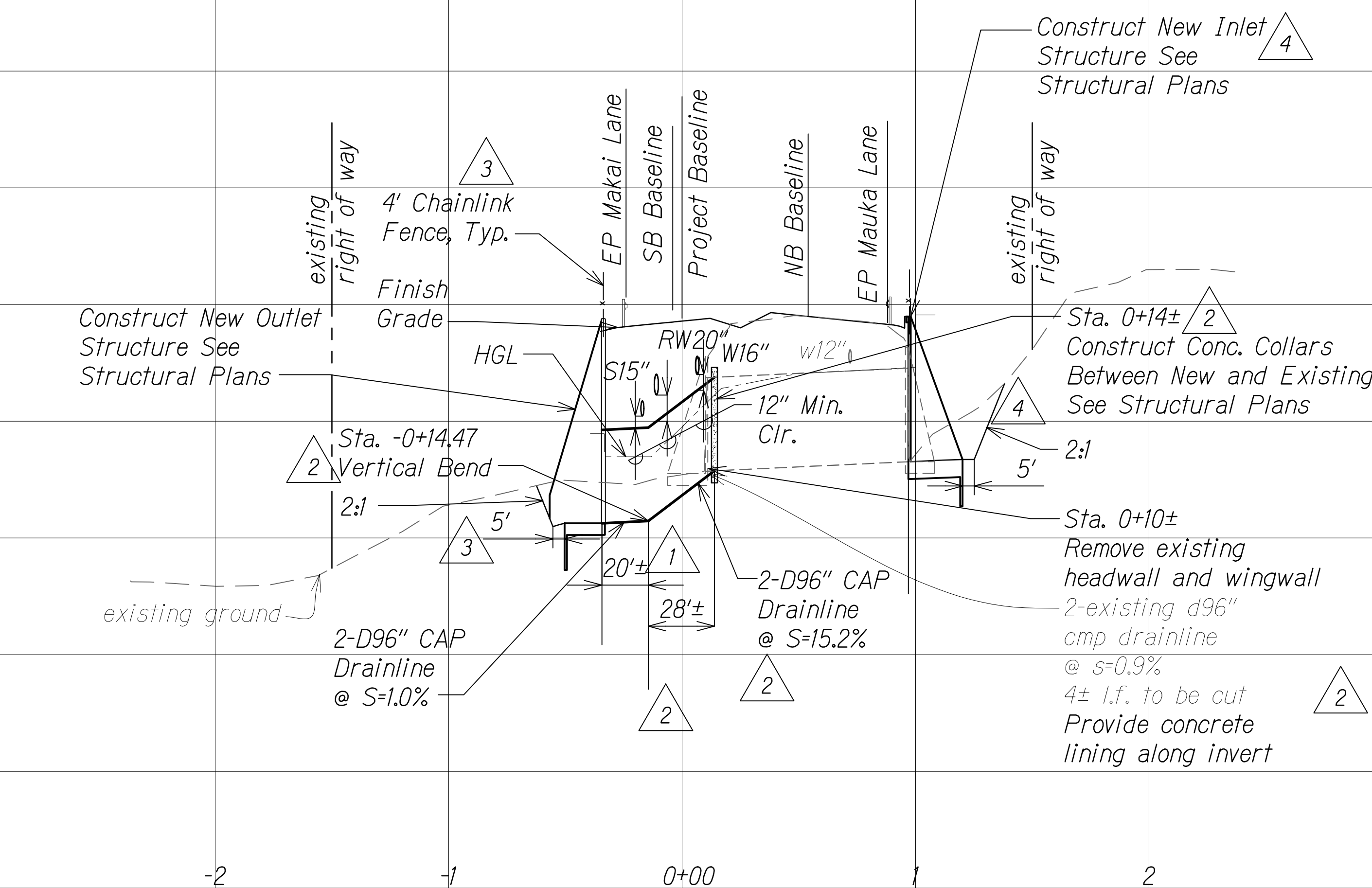
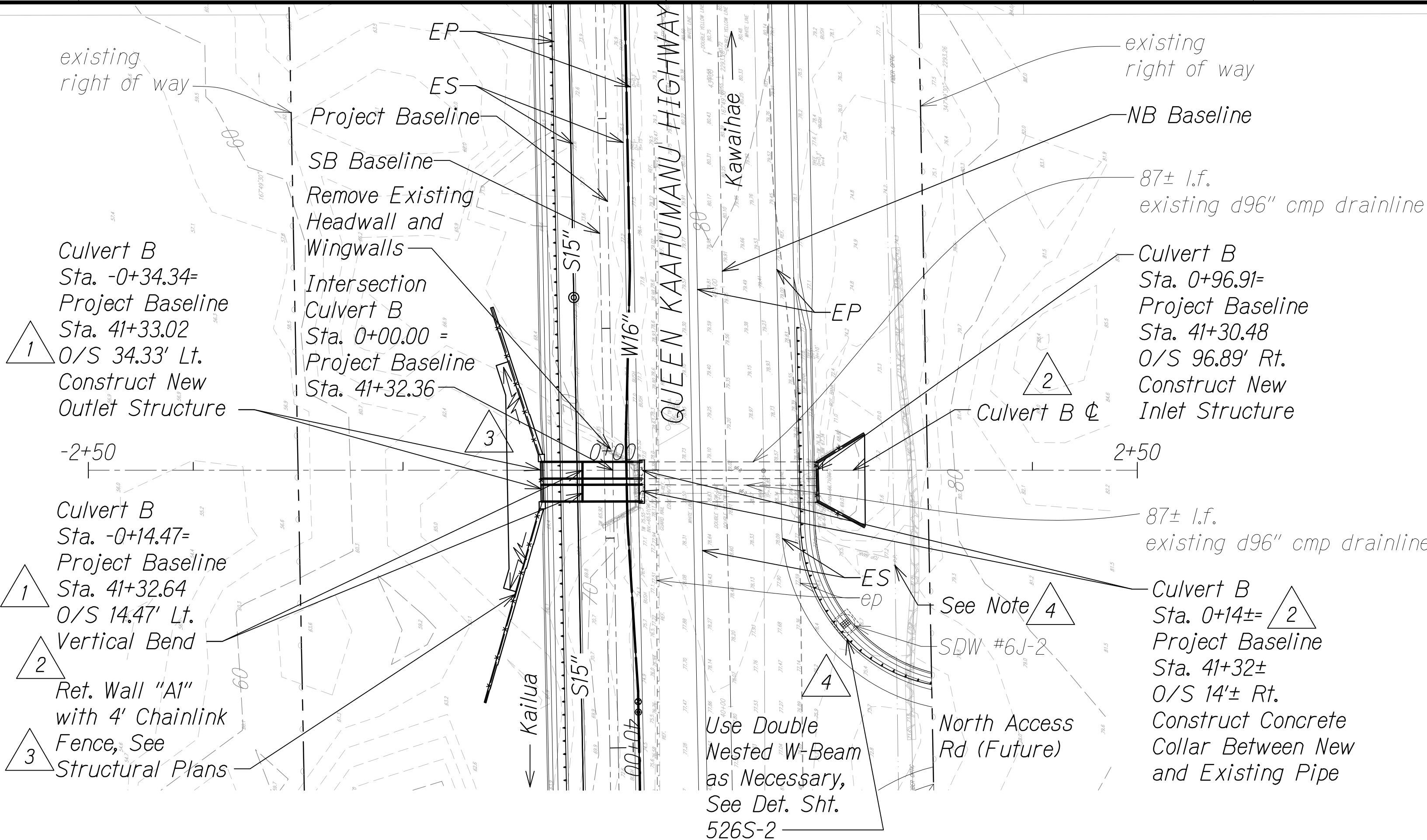
CULVERT B PROFILE

Scale: Horiz. 1" = 40'
Vert. 1" = 8'

2/21/18	4	Added North Access Road, Culvert B Inlet & drywell
12/13/16	3	Added fence; revised culvert apron and slope beyond apron
8/1/16	2	Removed conc. collar at vert. bend; Added wall profile ref. & culvert lining & other labels
1/22/16	1	Revised due to SB ϕ realignment
DATE	REVISION	

SHEET No. 4 OF 17 SHEETS

C.O. 291



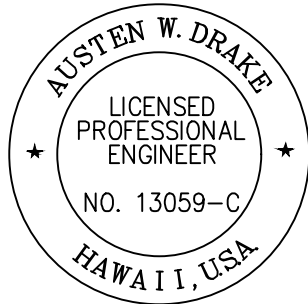
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

W:\CIVIL 3D PROJECTS\2008_003_001 GBI QUEEN K HWY WIDENING\01 CIVIL DRAWINGS\291 CULVERT B PP.DWG 6/28/2019 10:18 AM

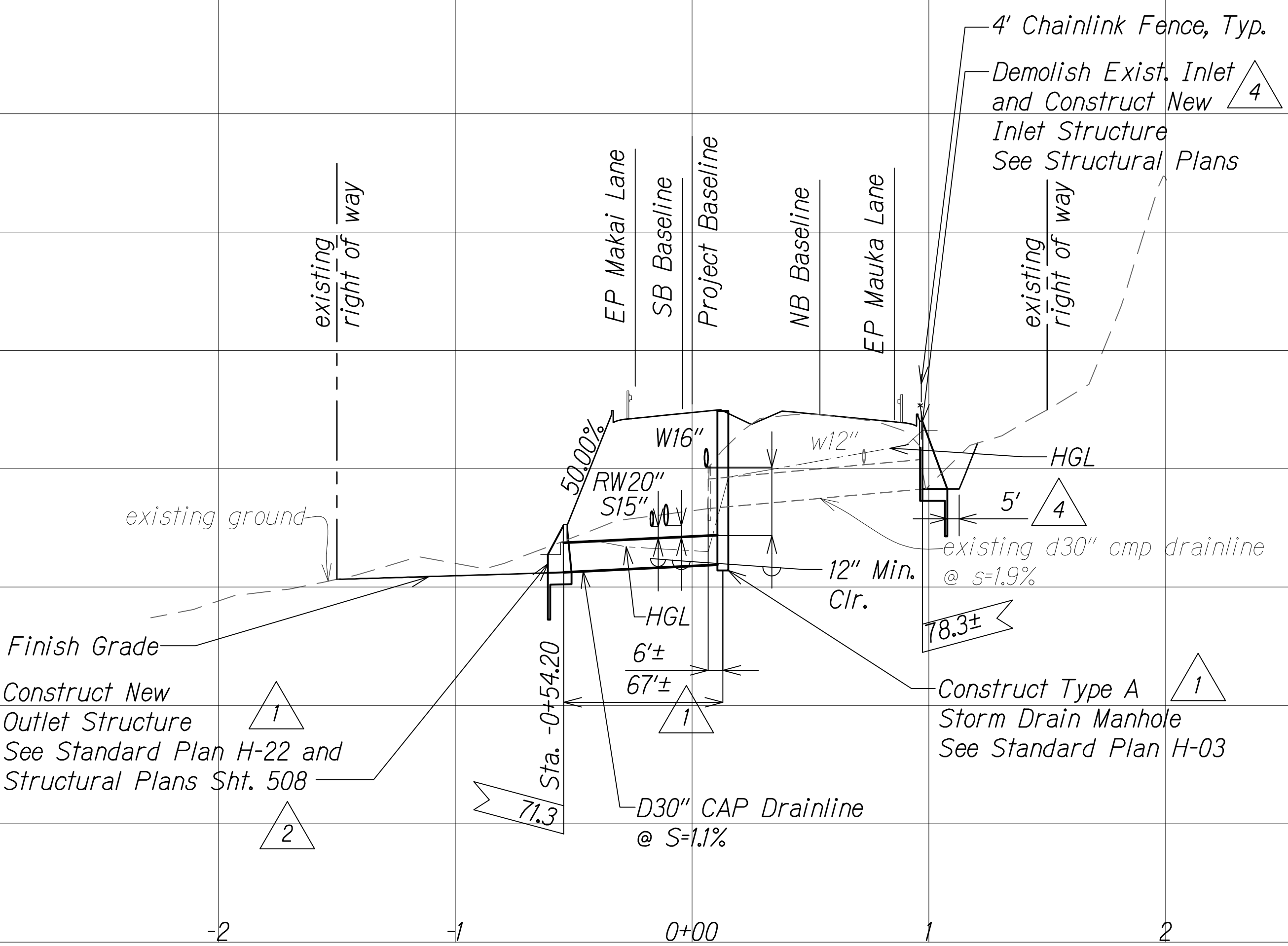
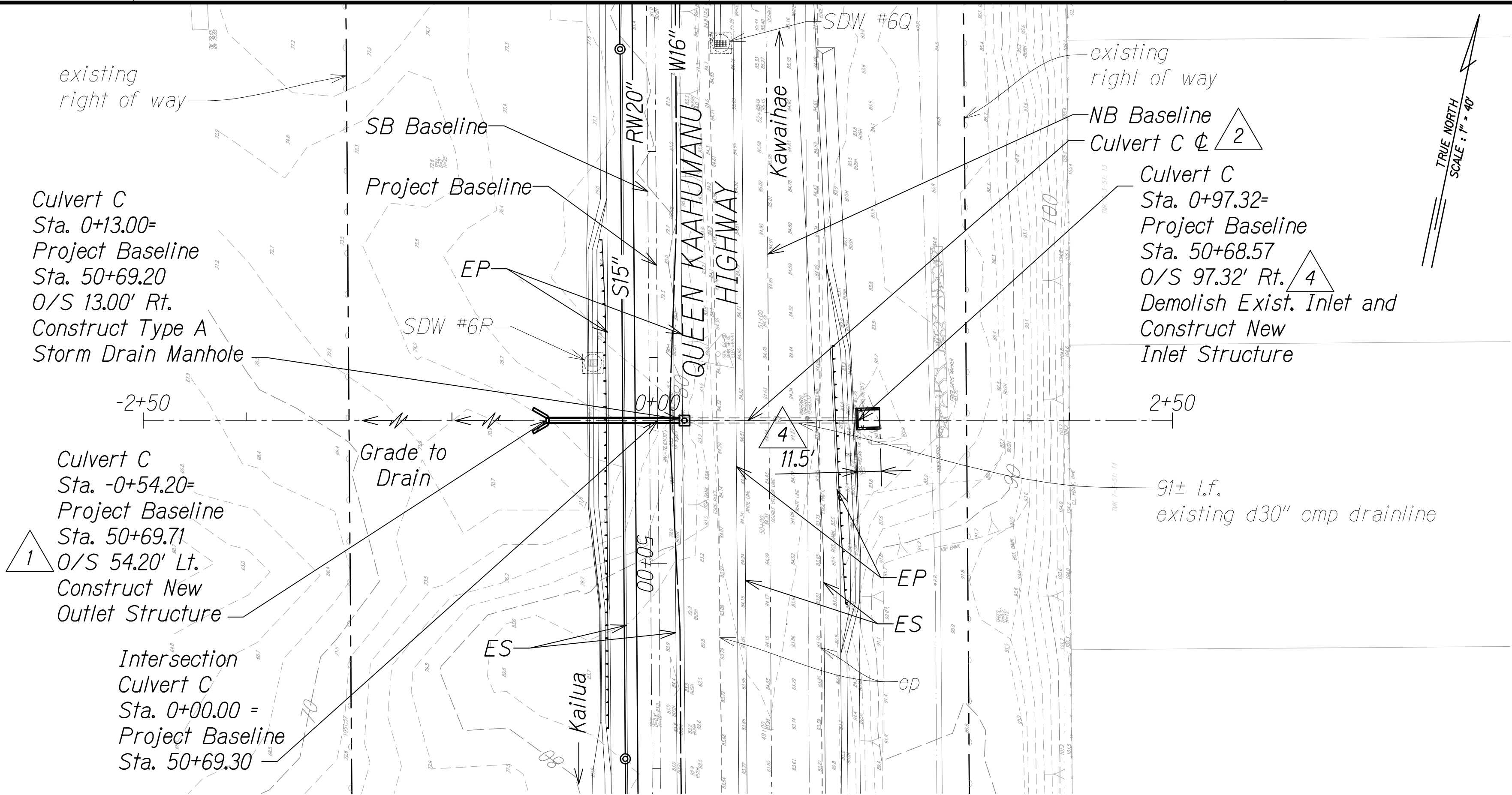
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-K(38)R	2016	C.O. 292	528

LEGEND:

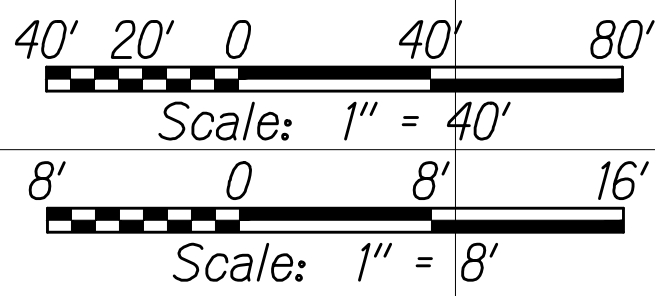
- existing ground along ϕ of culvert
——— Finish Grade Along ϕ Of Culvert
—S24"— Proposed Sewerline with Pipe Size
—W16"— Proposed Waterline with Pipe Size
—RW20"— Proposed Reclaimed Water with Pipe Size
- - - - - HGL
↔ Direction of Flow



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Austin W. Drake APRIL 30, 2018
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OF THE LICENSE



GRAPHICAL SCALES:



CULVERT C PROFILE

Scale: Horiz. 1" = 40'
Vert. 1" = 8'

2/25/18	4	Added New Culvert Inlet due to addition of North Access Road
8/1/16	2	Added structural ref. for construction joint ϕ culvert ϕ label
1/22/16	1	Revised due to SB ϕ realignment; Changed outlet structure det. ref. to DOT std. plan
DATE	REVISION	

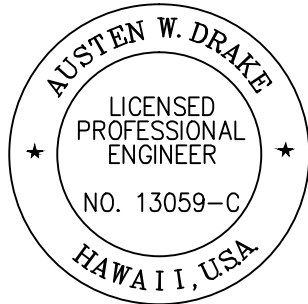
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(38)R	2016	C.O. 293	528 522

LEGEND:

- existing ground along ϕ of culvert
- Finish Grade Along ϕ Of Culvert
- S24" Proposed Sewerline with Pipe Size
- W16" Proposed Waterline with Pipe Size
- RW20" Proposed Reclaimed Water with Pipe Size
- HGL
- Direction of Flow

LEGEND FOR AS-BUILT POSTINGS

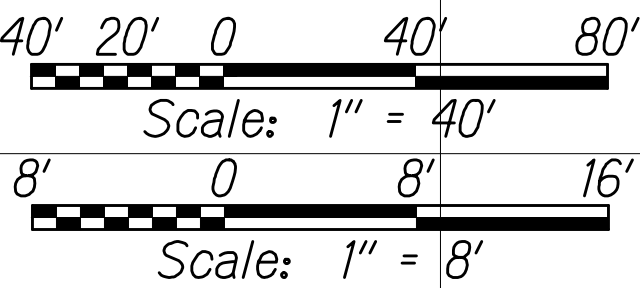
- Squiggly line for as-built deletion
- Double line for as-built deletion
- Roadway Text for as-built posting



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Austen W. Drake, APRIL 30, 2018
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GRAPHICAL SCALES:



CULVERT D PROFILE

Scale: Horiz. 1" = 40'
Vert. 1" = 8'

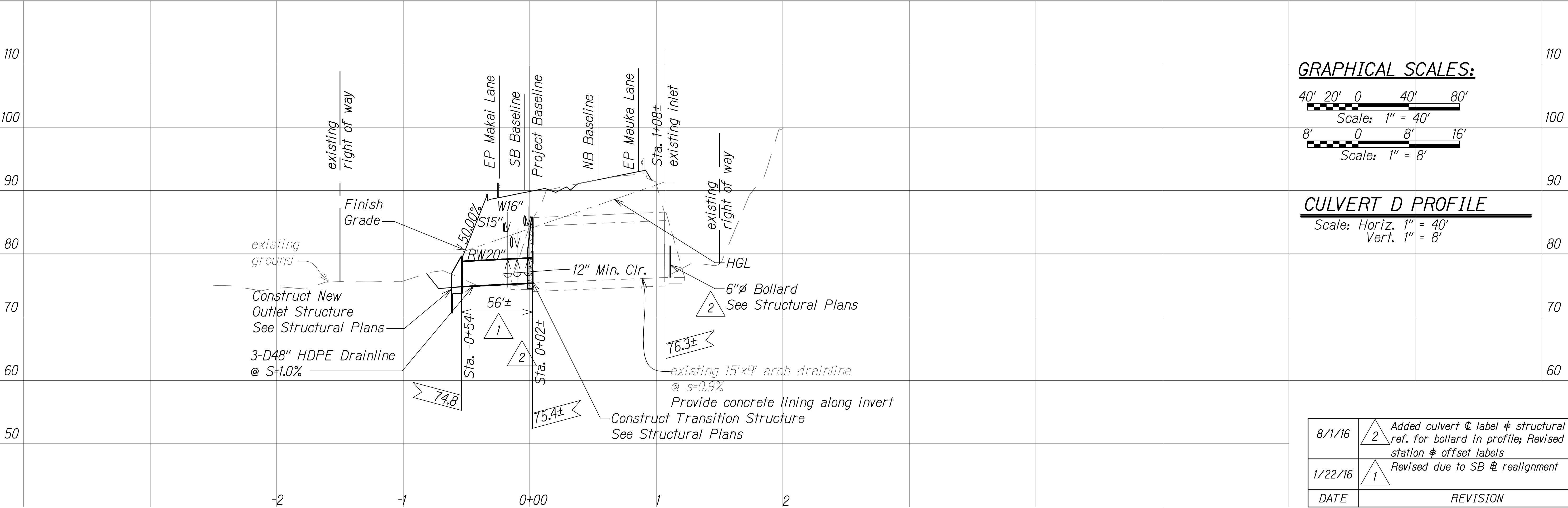
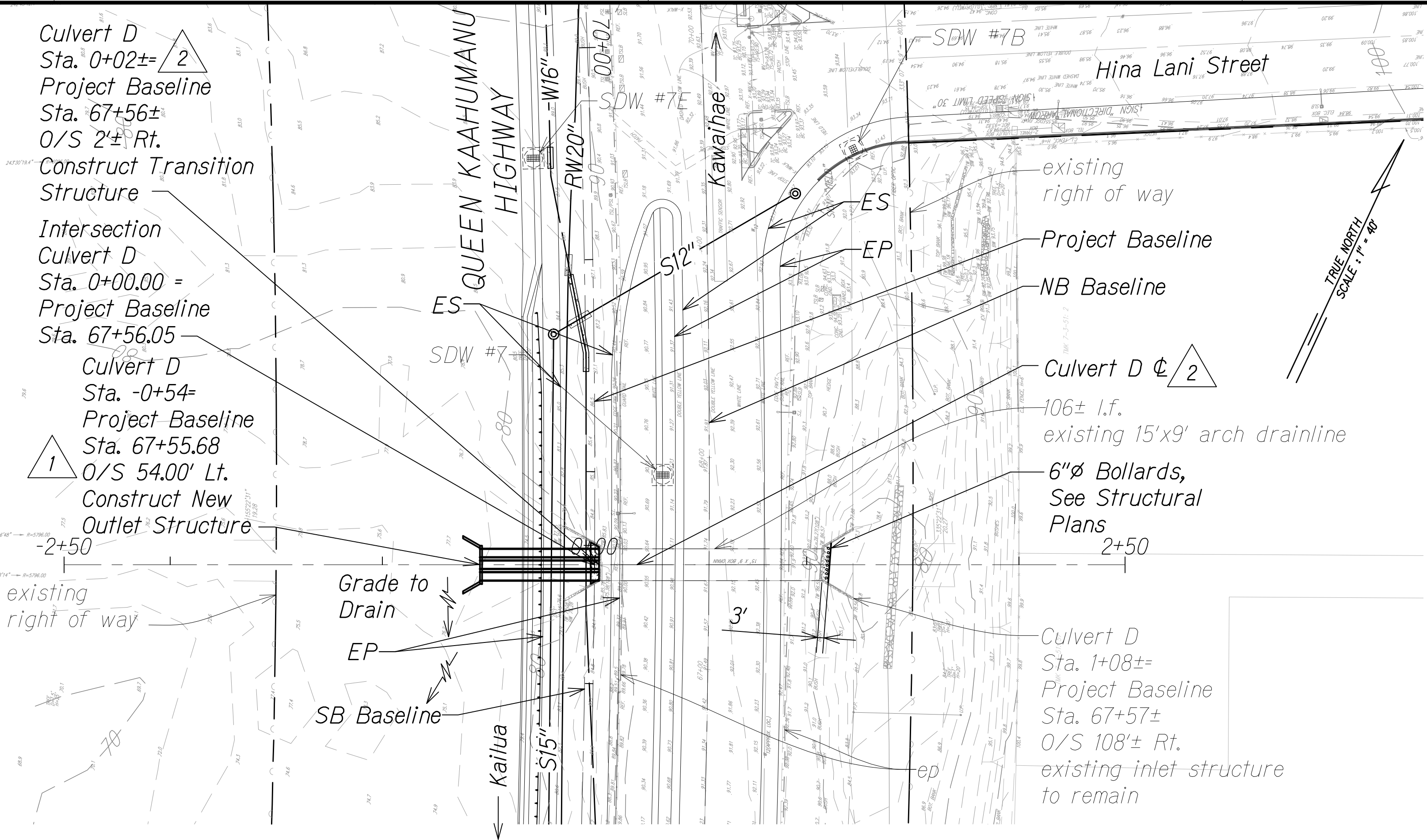
8/1/16	2	Added culvert ϕ label & structural ref. for bollard in profile; Revised station & offset labels
1/22/16	1	Revised due to SB ϕ realignment
DATE	REVISION	

SHEET No. 6 OF 17 SHEETS

"AS-BUILT"

18/3/2016 12:22 PM

C.O. 293

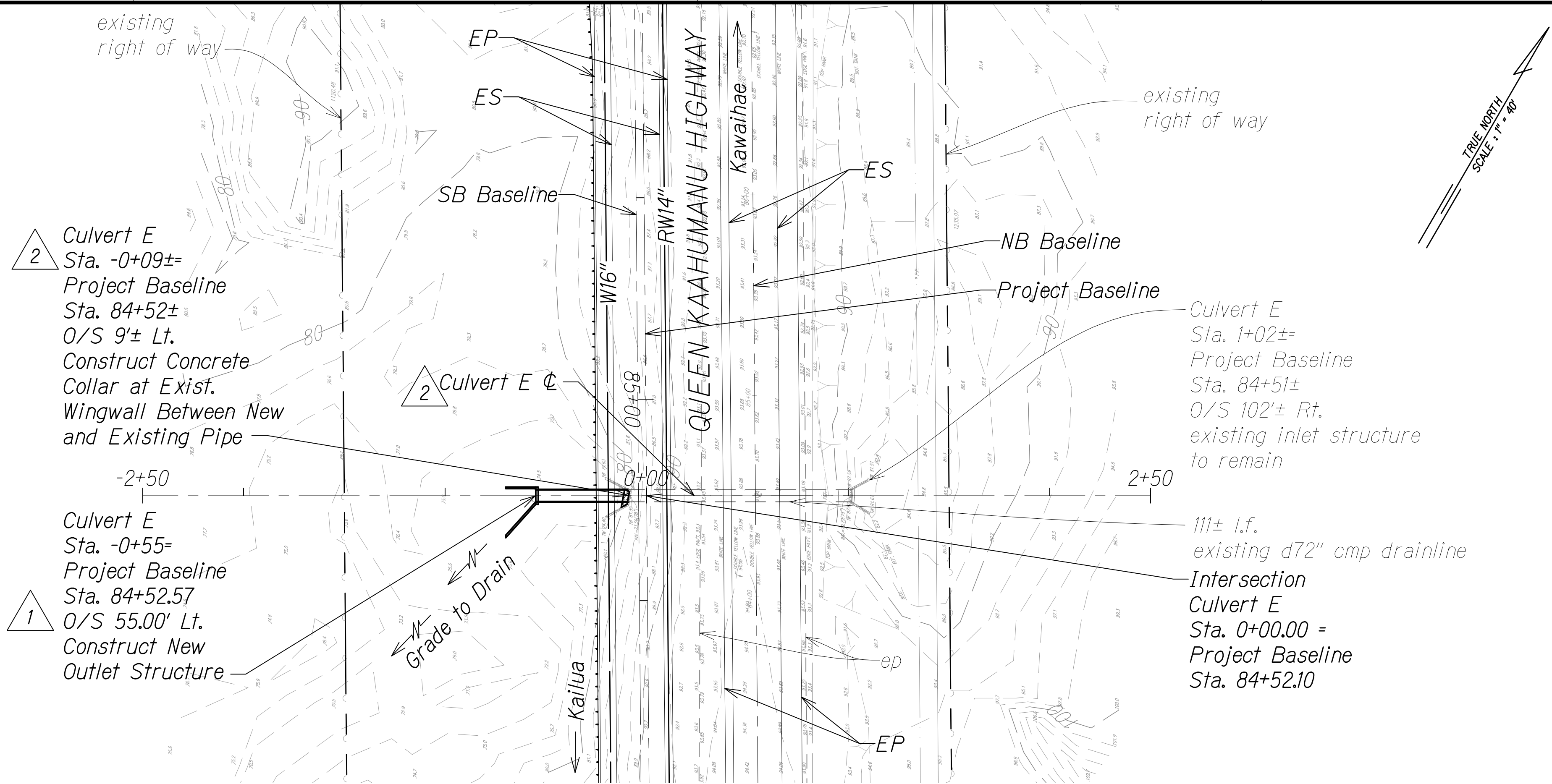


ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

W:\CIVIL 3D PROJECTS\2008_003_001 GBI QUEEN K HWY WIDENING\01 CIVIL DRAWINGS\293 CULVERT D PP.DWG 8/3/2016 12:21 PM

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

W:\CIVIL 3D PROJECTS\2008_003_001 GBI QUEEN K HWY WIDENING\OT CIVIL DRAWINGS\294 CULVERT E PP.DWG 8/3/2016 12:29 PM



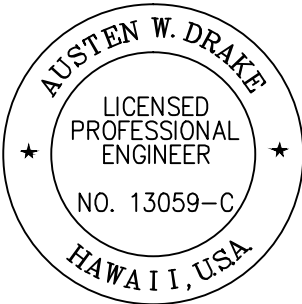
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-K(38)R	2016	C.O. 294	528 222

LEGEND:

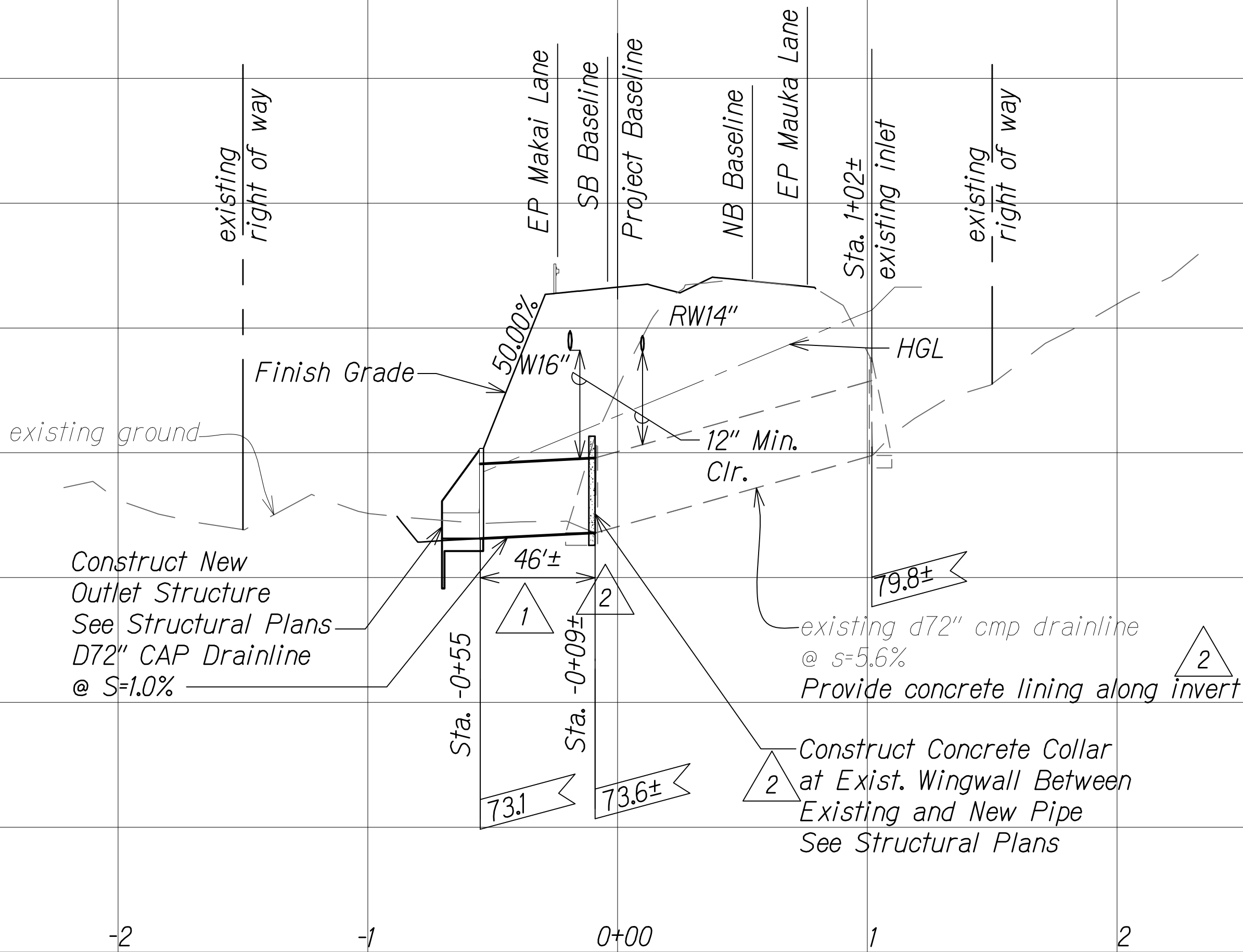
- existing ground along ϕ of culvert
- Finish Grade Along ϕ Of Culvert
- W16" Proposed Waterline with Pipe Size
- RW20" Proposed Reclaimed Water with Pipe Size
- HGL
- Direction of Flow

LEGEND FOR AS-BUILT POSTINGS

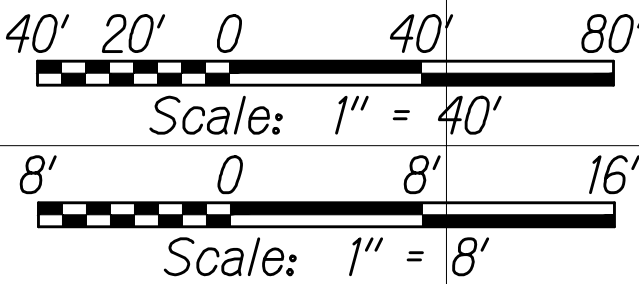
- Squiggly line for as-built deletion
- Double line for as-built deletion
- Roadway Text for as-built posting



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Austen W. Drake, APRIL 30, 2018
SIGNATURE EXPIRATION DATE OF THE LICENSE



GRAPHICAL SCALES:



CULVERT E PROFILE

Scale: Horiz. 1" = 40' Vert. 1" = 8'

8/1/16	2	Added culvert lining label; Revised ϕ added labels
1/22/16	1	Revised due to SB ϕ realignment
DATE	REVISION	

SHEET No. 7 OF 17 SHEETS

"AS-BUILT"

8/3/2016 12:29 PM

C.O. 294

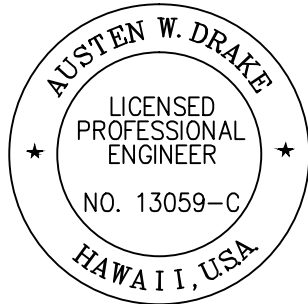
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(38)R	2016	C.O. 295	528 222

LEGEND:

- existing ground along ϕ of culvert
- Finish Grade Along ϕ Of Culvert
- W16" Proposed Waterline with Pipe Size
- RW20" Proposed Reclaimed Water with Pipe Size
- HGL
- Direction of Flow

LEGEND FOR AS-BUILT POSTINGS

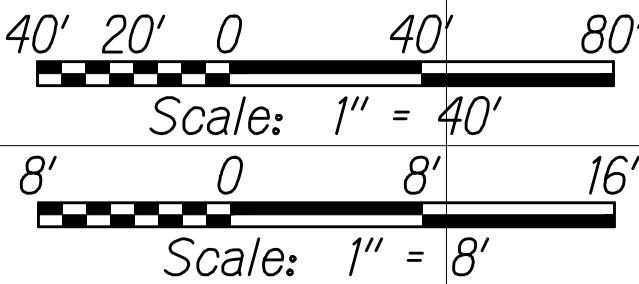
- Squiggly line for as-built deletion
- Double line for as-built deletion
- Roadway Text for as-built posting



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Austin W. Drake, APRIL 30, 2018
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GRAPHICAL SCALES:



CULVERT F PROFILE

Scale: Horiz. 1" = 40'
Vert. 1" = 8'

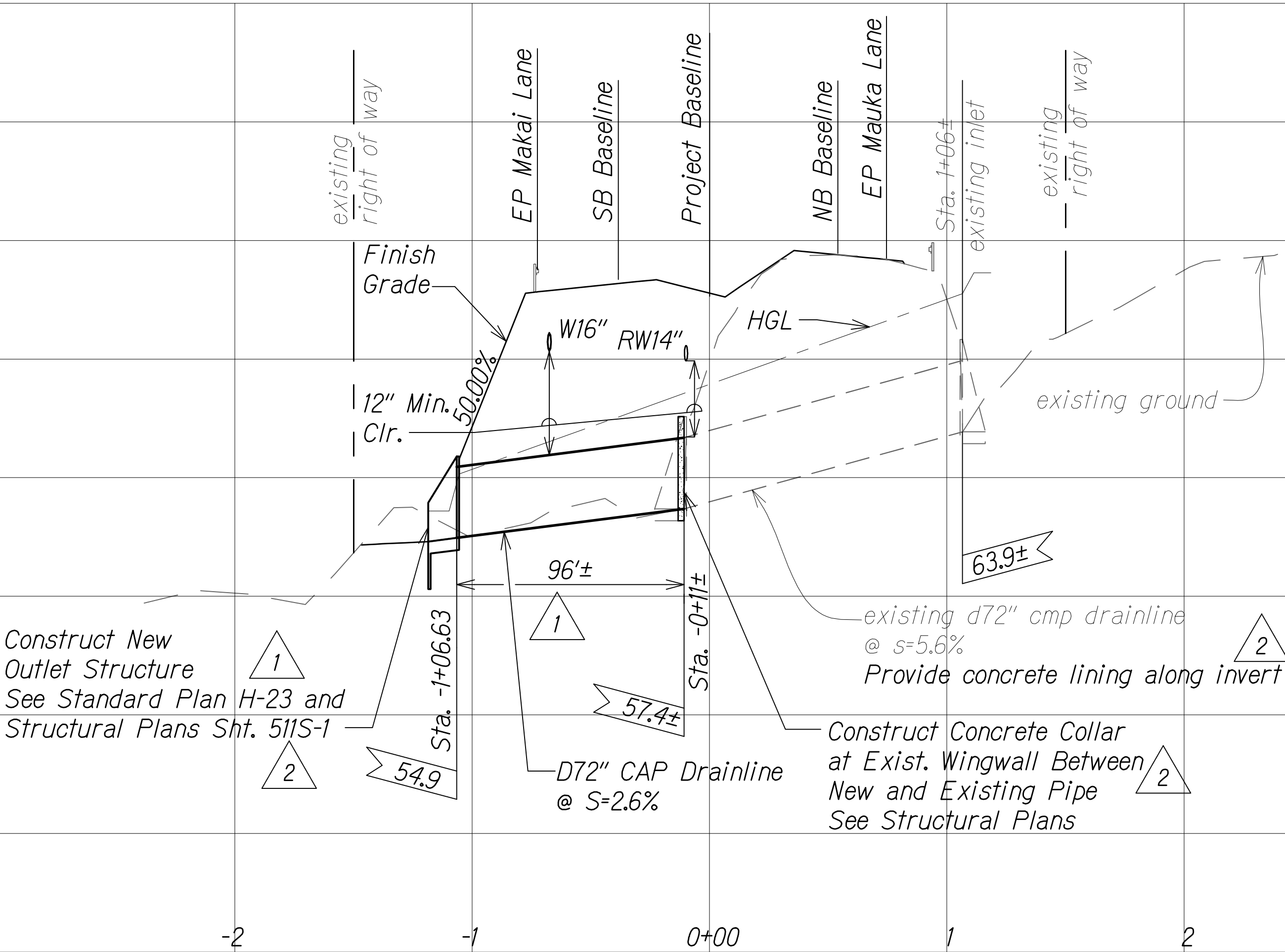
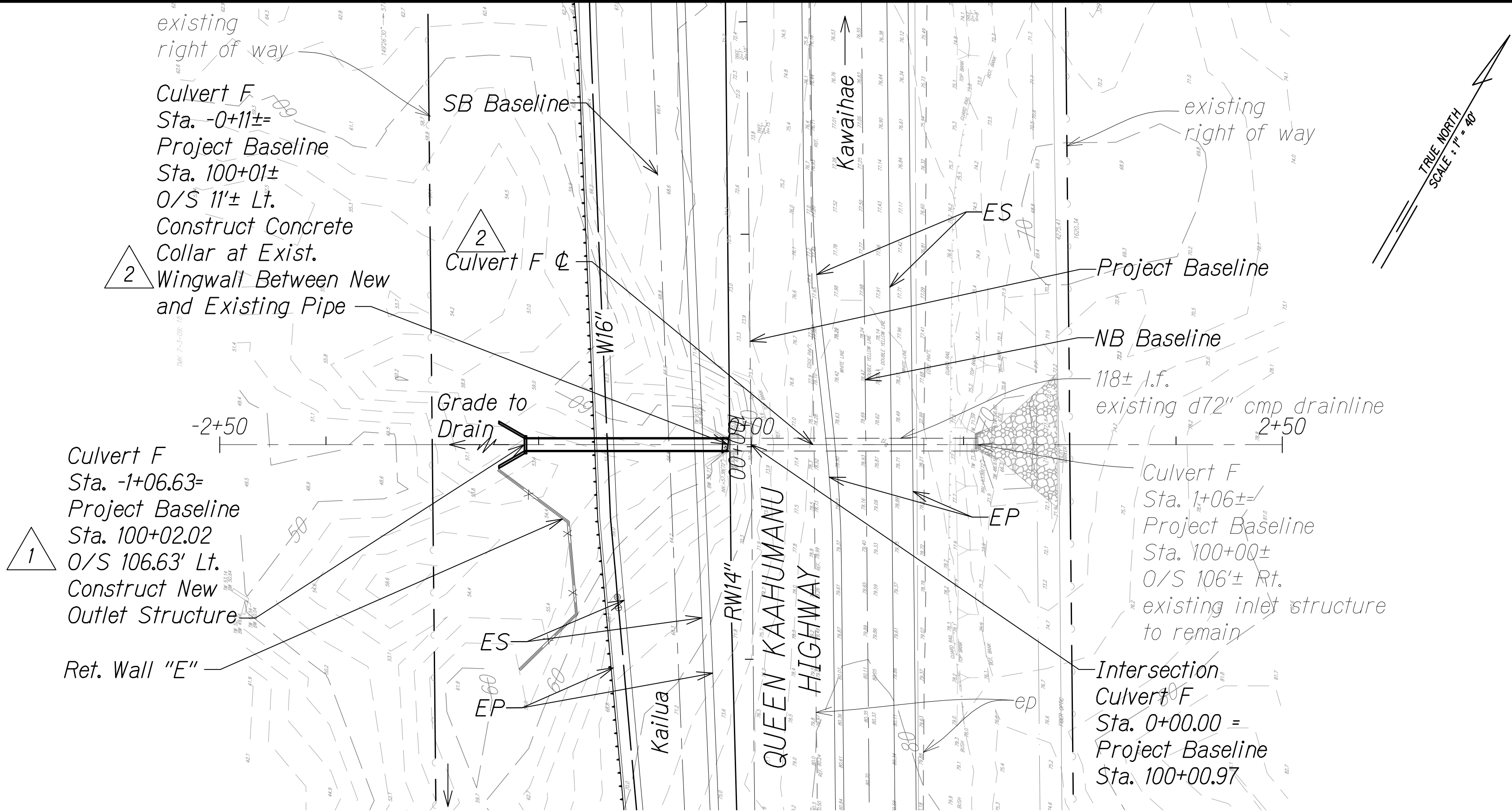
8/1/16	2	Added structural ref. for construction joint ϕ culvert lining label; Added ϕ revised labels
1/22/16	1	Revised due to SB ϕ realignment; Changed outlet structure det. ref. to DOT std. plan
DATE	REVISION	

SHEET No. 8 OF 17 SHEETS

"AS-BUILT"

18/5/2016 2:34 PM

C.O. 295



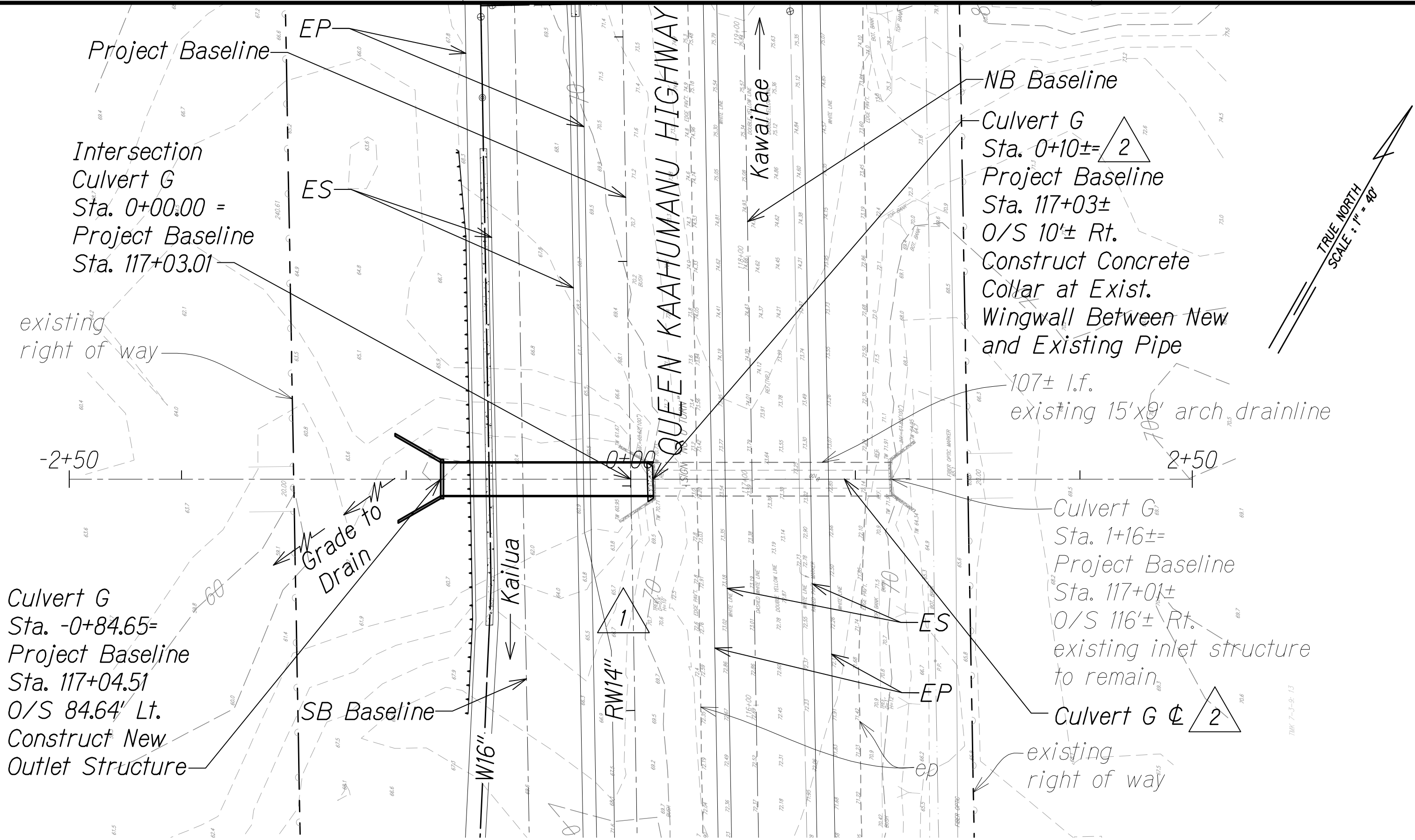
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

W:_CIVIL 3D PROJECTS\2008-003\001 GBI QUEEN K HWY WIDENING\01 CIVIL DRAWINGS\295 CULVERT F PP.DWG 8/1/2016 1:03 PM

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

W:_CIVIL_3D_PROJECTS\2008_003_001_GBI_QUEEN_K_Hwy_WIDENING\01_CIVIL DRAWINGS\296_CULVERT G_PP.DWG 8/3/2016 10:10 AM

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-K(38)R	2016	C.O. 296	528 522

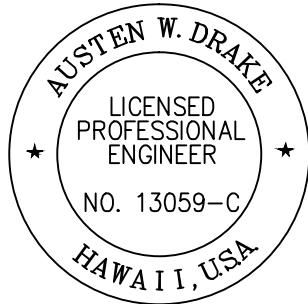


LEGEND:

- existing ground along ϕ of culvert
- _____ Finish Grade Along ϕ Of Culvert
- W16"— Proposed Waterline with Pipe Size
- RW20"— Proposed Reclaimed Water with Pipe Size
- _____ HGL
- $\leftarrow$ Direction of Flow

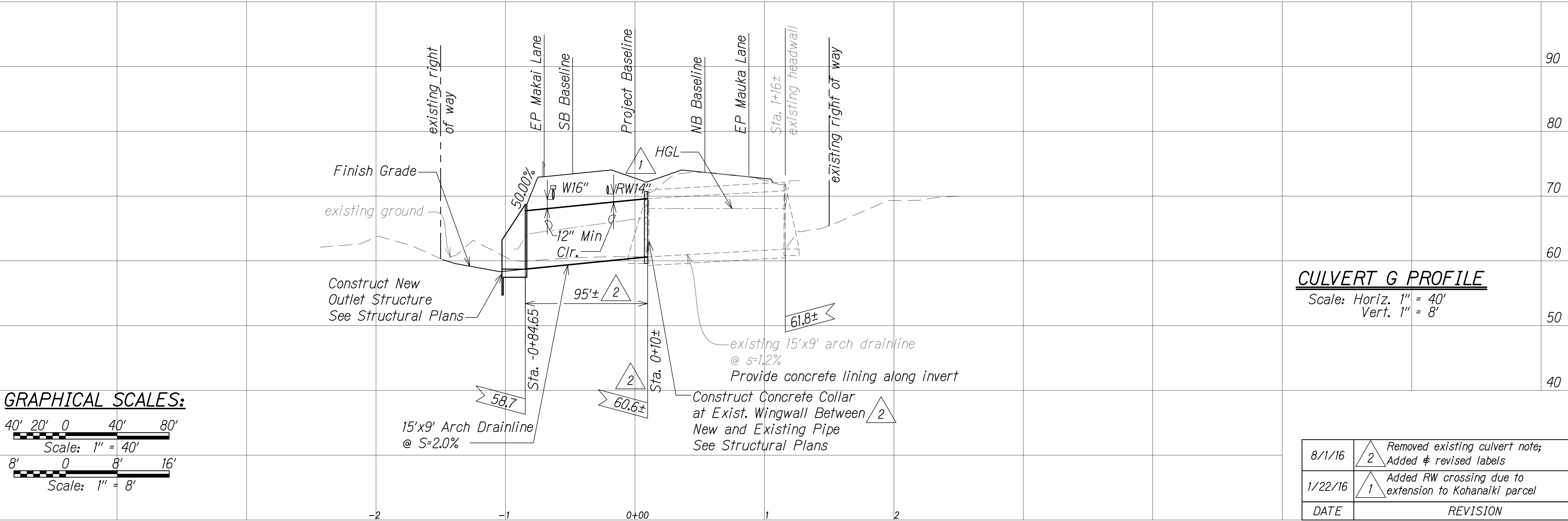
LEGEND FOR AS-BUILT POSTINGS

- $\sim\sim\sim$ Squiggly line for as-built deletion
- ~~100.00~~ Double line for as-built deletion
- Roadway Text for as-built posting



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Austen W. Drake APRIL 30, 2018
SIGNATURE EXPIRATION DATE OF THE LICENSE



CULVERT G PROFILE

Scale: Horiz. 1" = 40'
Vert. 1" = 8'

8/1/16	2	Removed existing culvert note; Added ϕ revised labels
1/22/16	1	Added RW crossing due to extension to Kohanaiki parcel
DATE	REVISION	

SHEET No. 9 OF 17 SHEETS

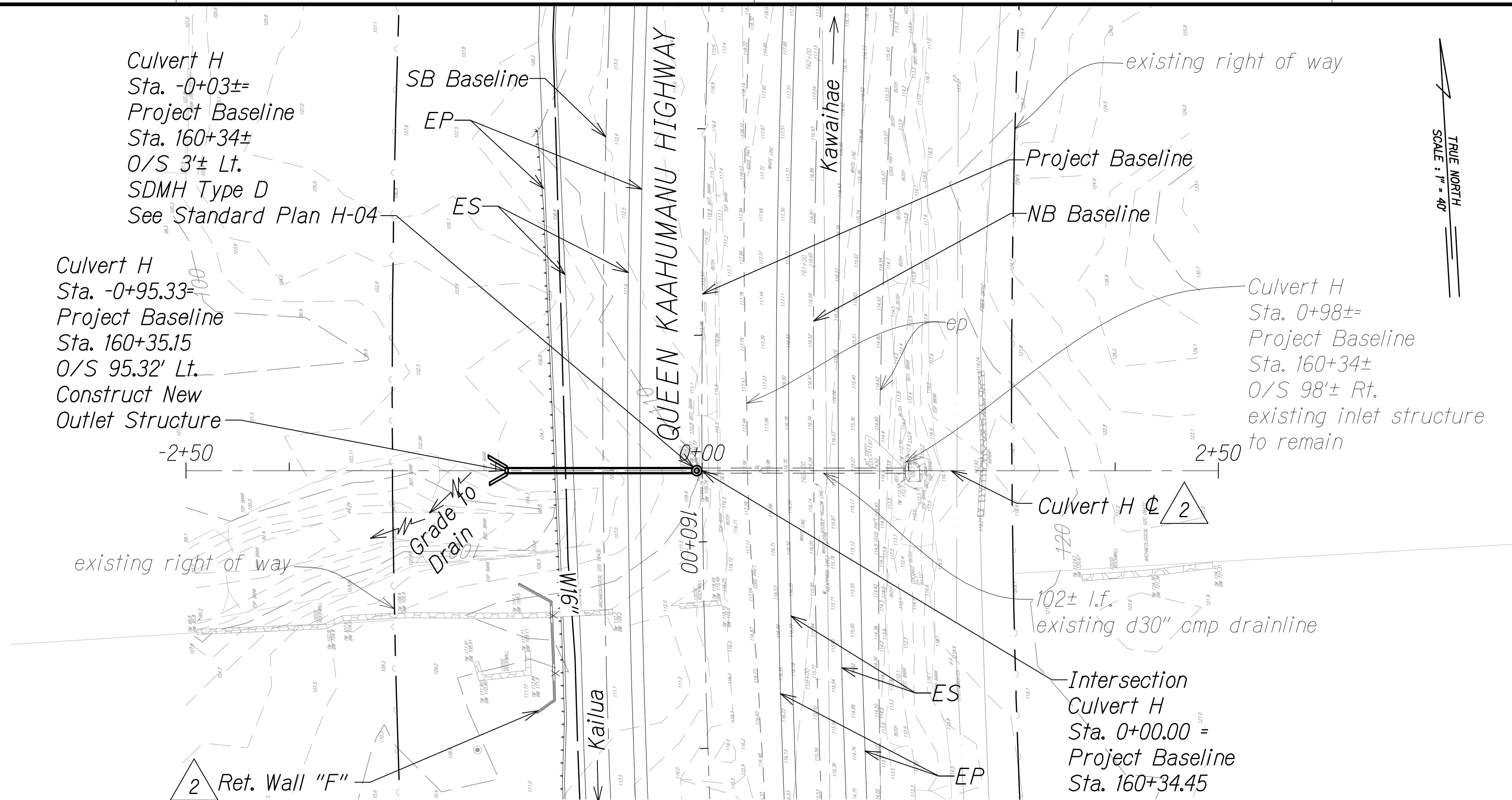
"AS-BUILT"

18/3/2016 1:05 PM

C.O. 296

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

W:_CIVIL 3D PROJECTS\2008_003_001_GBI_QUEEN K HWY WIDENING\01_CIVIL DRAWINGS\297_CULVERT H PP.DWG 8/3/2016 1:07 PM



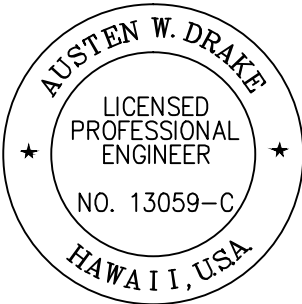
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(38)R	2016	C.O. 297	528 522

LEGEND:

- existing ground along ϕ of culvert
- Finish Grade Along ϕ Of Culvert
- W16" Proposed Waterline with Pipe Size
- HGL
- Direction of Flow

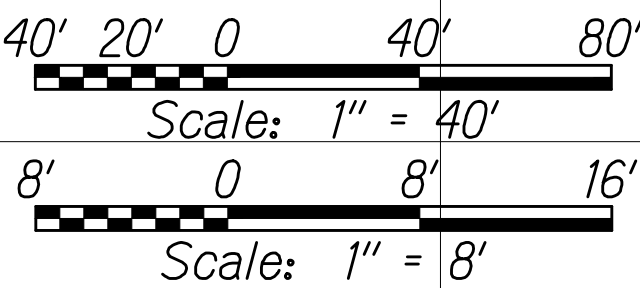
LEGEND FOR AS-BUILT POSTINGS

- Squiggly line for as-built deletion
- Double line for as-built deletion
- Roadway Text for as-built posting



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Signature: Austen W. Drake, Date: APRIL 30, 2018, Expiration Date: OF THE LICENSE

GRAPHICAL SCALES:



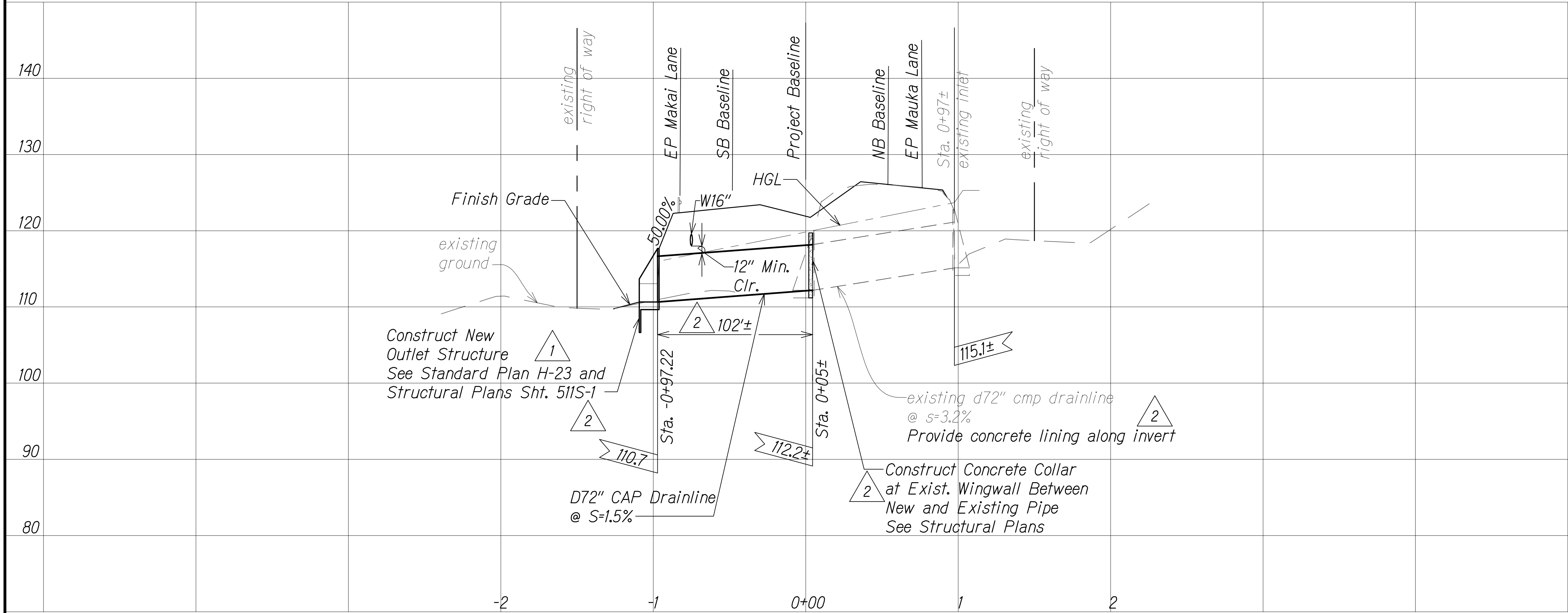
CULVERT H PROFILE

Scale: Horiz. 1" = 40' Vert. 1" = 8'

8/1/16	2	Added structural ref. for construction joint, wall ID ϕ culvert ϕ
1/22/16	1	Added bench at outlet grading; Changed outlet structure det. ref. to DOT std. plan; Match prof. structure name to plan
DATE		REVISION

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

W:_CIVIL_3D_PROJECTS\2008_003_001_GBI_QUEEN_K_Hwy_WIDENING\01_CIVIL DRAWINGS\298_CULVERT I PP.DWG - 8/3/2016 1:10 PM



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(38)R	2016	C.O. 298	528 222

LEGEND:

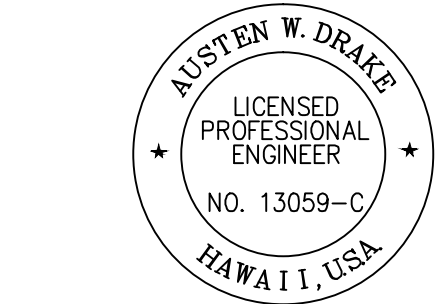
- existing ground along ϕ of culvert
- Finish Grade Along ϕ Of Culvert
- W16" Proposed Waterline with Pipe Size
- HGL
- Direction of Flow

LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion

Double line for as-built deletion

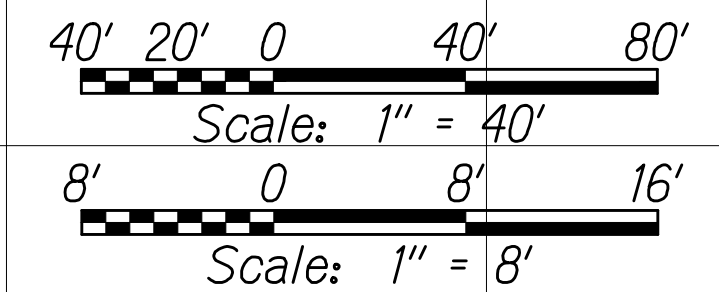
Roadway Text for as-built posting



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Austen W. Drake, APRIL 30, 2018
SIGNATURE EXPIRATION DATE OF THE LICENSE

GRAPHICAL SCALES:



CULVERT I PROFILE

Scale: Horiz. 1" = 40'
Vert. 1" = 8'

8/1/16	2	Added structural ref. for construction joint ϕ culvert lining labels; Added ϕ revised labels
1/22/16	1	Changed outlet structure det. ref. to DOT std. plan
DATE	REVISION	

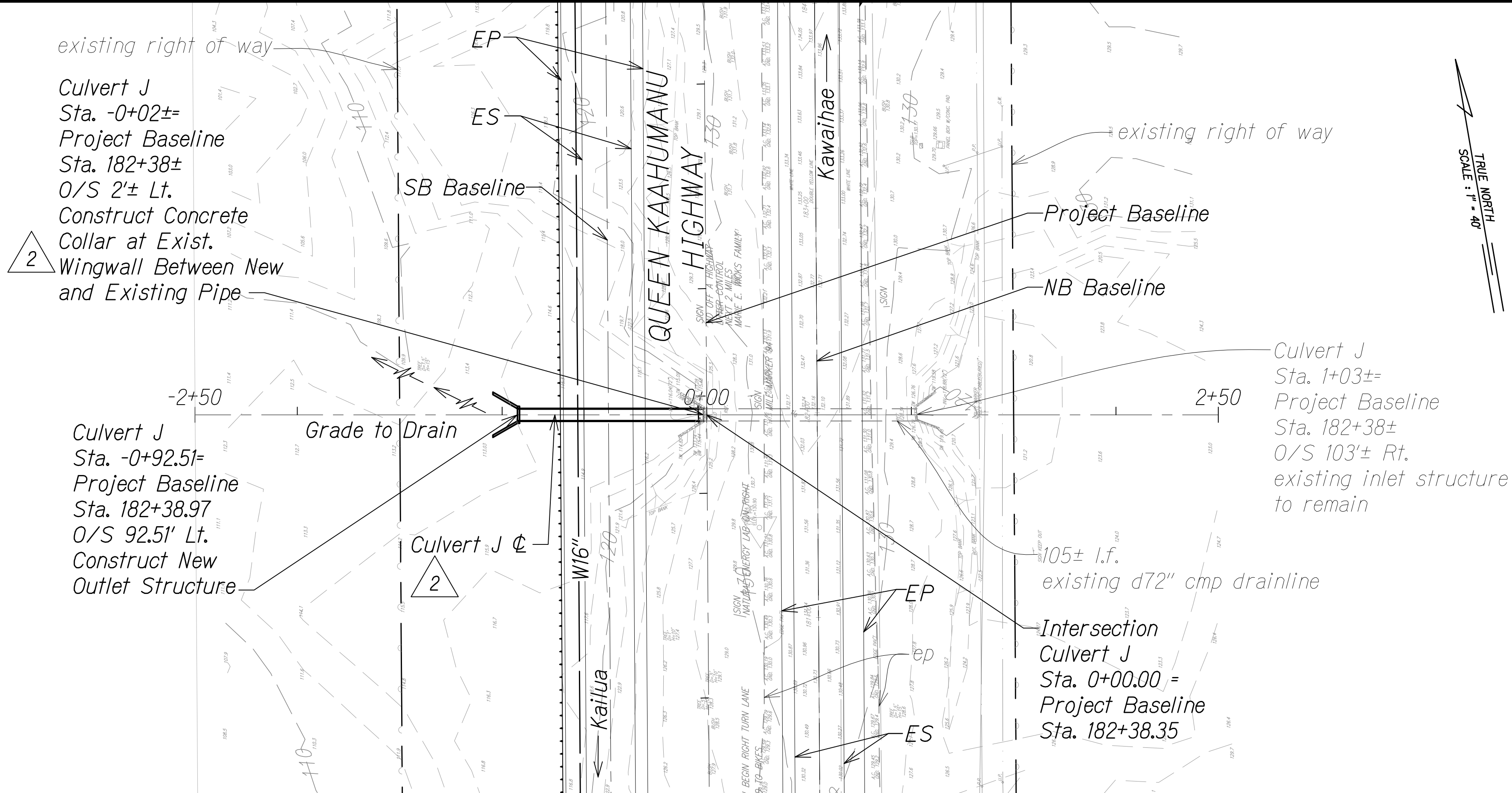
SHEET No. 11 OF 17 SHEETS

"AS-BUILT"

18/5/2016 2:45 PM

C.O. 298

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(38)R	2016	C.O. 299	528 322

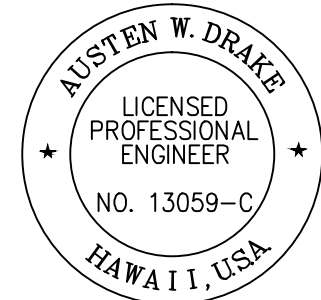


LEGEND:

- existing ground along ϕ of culvert
- Finish Grade Along ϕ Of Culvert
- W16" Proposed Waterline with Pipe Size
- HGL
- Direction of Flow

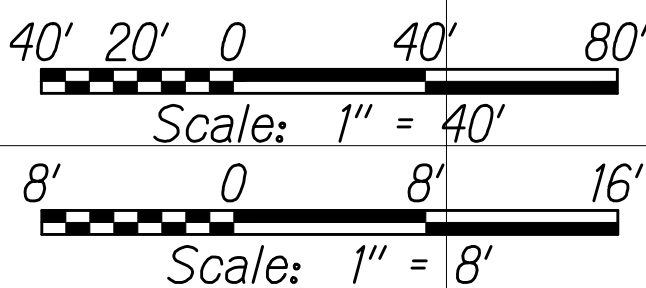
LEGEND FOR AS-BUILT POSTINGS

- Squiggly line for as-built deletion
- Double line for as-built deletion
- Roadway Text for as-built posting



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APRIL 30, 2018
SIGNATURE OF THE LICENSE

GRAPHICAL SCALES:

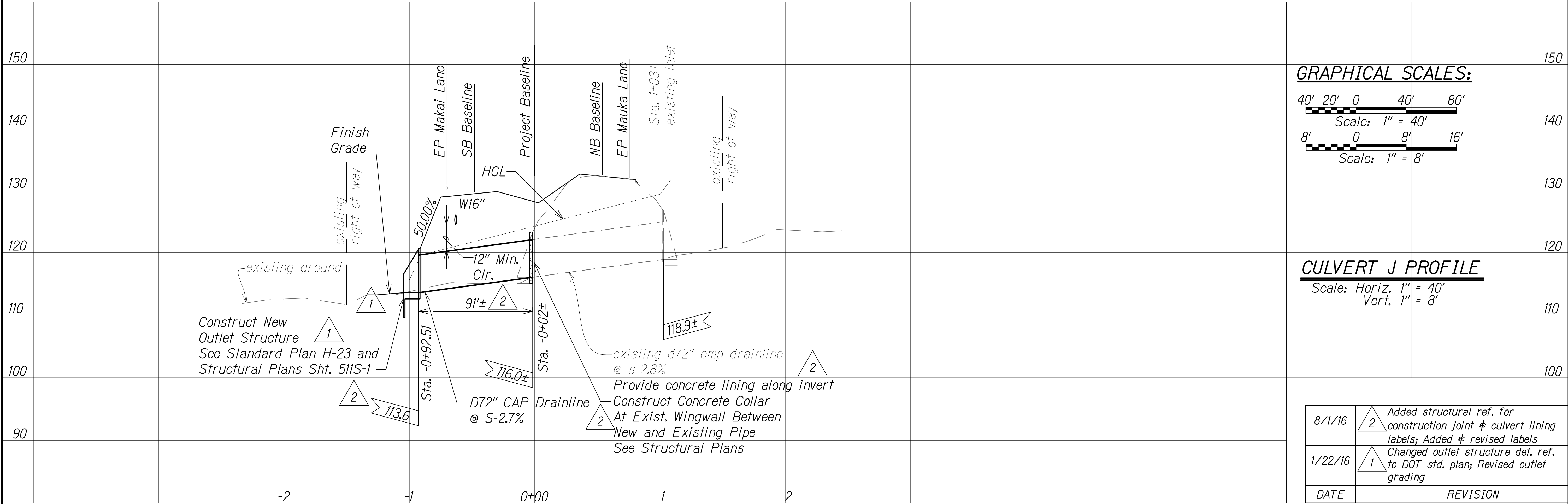


CULVERT J PROFILE

Scale: Horiz. 1" = 40'
Vert. 1" = 8'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

W:_CIVIL 3D PROJECTS\2008_003\001 GBI QUEEN K HWY WIDENING\01 CIVIL DRAWINGS\299 CULVERT J PP.DWG 8/3/2016 1:12 PM



8/1/16	2	Added structural ref. for construction joint ϕ culvert lining labels; Added ϕ revised labels
1/22/16	1	Changed outlet structure det. ref. to DOT std. plan; Revised outlet grading
DATE		REVISION

SHEET No. 12 OF 17 SHEETS

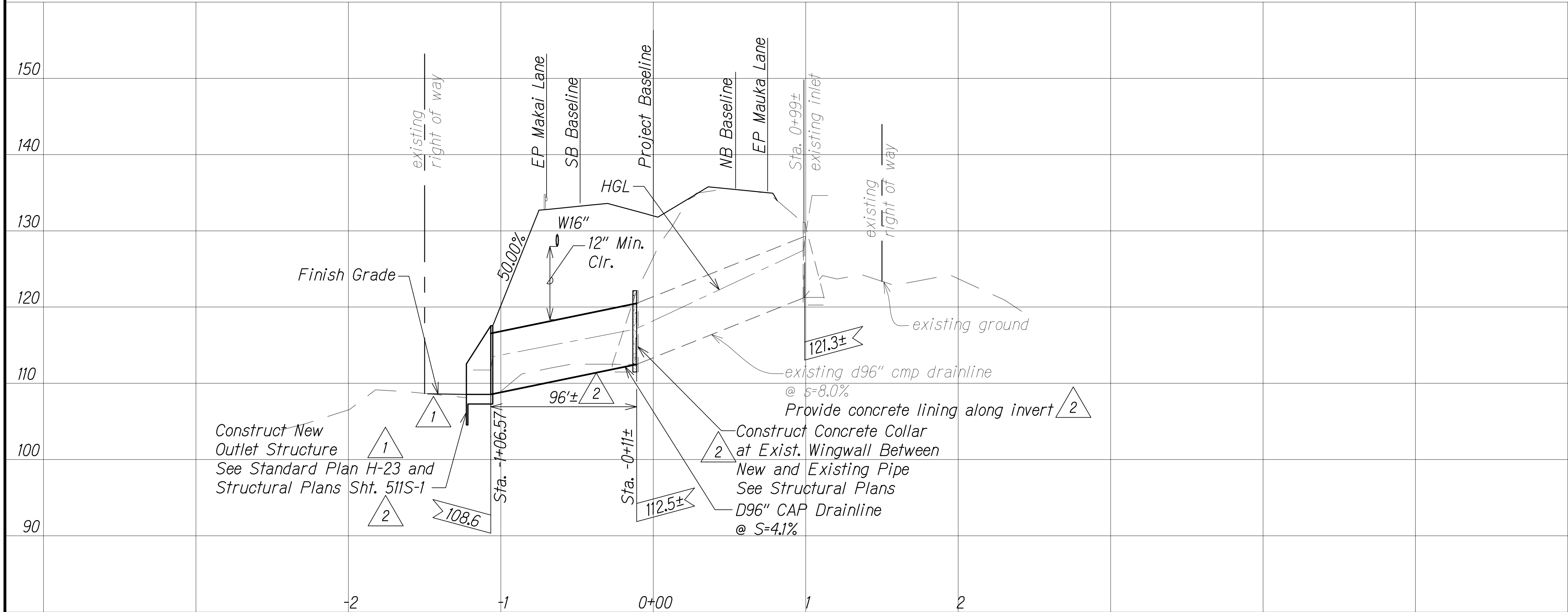
"AS-BUILT"

8/5/2016 2:47 PM

C.O. 299

ORIGINAL PLAN	SURVEY PLOTTED BY _____		DATE _____
	DRAWN BY _____		DATE _____
NOTE BOOK	TEACED BY _____		DATE _____
	DESIGNED BY _____		DATE _____
	QUANTITIES BY _____		DATE _____
	CHECKED BY _____		DATE _____
No. _____			

W:_CIVIL_3D_PROJECTS\2008_003_001_GBI_QUEEN_K_Hwy_WIDENING\01-CIVIL DRAWINGS\300 CULVERT K PP.DWG 8/3/2016 1:13 PM



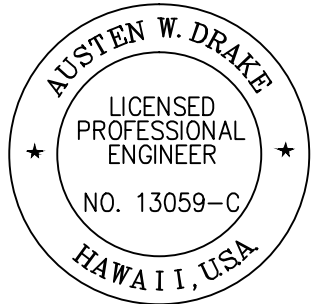
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-K(38)R	2016	C.O. 300	528 322

LEGEND:

- existing ground along ϕ of culvert
- Finish Grade Along ϕ Of Culvert
- W16" Proposed Waterline with Pipe Size
- HGL
- Direction of Flow

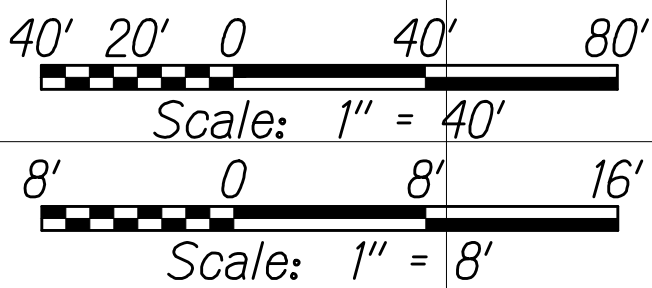
LEGEND FOR AS-BUILT POSTINGS

- Squiggly line for as-built deletion
- Double line for as-built deletion
- Roadway Text for as-built posting



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GRAPHICAL SCALES:



CULVERT K PROFILE

Scale: Horiz. 1" = 40'
Vert. 1" = 8'

8/1/16	2	Added structural ref. for construction joint ϕ culvert lining label; Added ϕ revised labels
1/22/16	1	Changed outlet structure det. ref. to DOT std. plan; Revised outlet grading
DATE	REVISION	

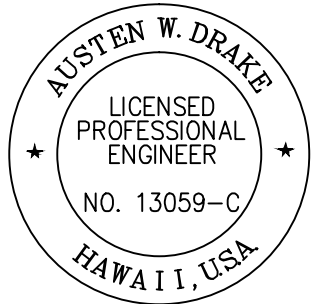
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(38)R	2016	C.O. 301	528 322

LEGEND:

- existing ground along ϕ of culvert
- Finish Grade Along ϕ Of Culvert
- W16"— Proposed Waterline with Pipe Size
- $\leftarrow$ Direction of Flow

LEGEND FOR AS-BUILT POSTINGS

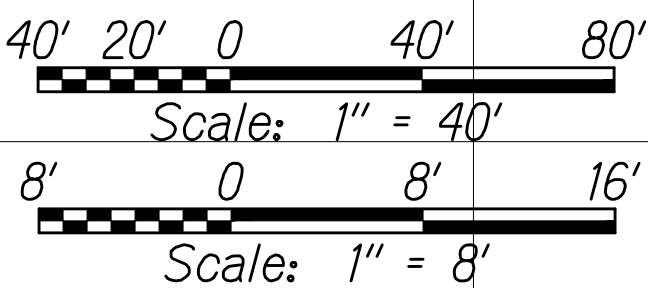
- Squiggly line for as-built deletion
- Double line for as-built deletion
- Roadway Text for as-built posting



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Austen W. Drake APRIL 30, 2018
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GRAPHICAL SCALES:



CULVERT L PROFILE

Scale: Horiz. 1" = 40'
Vert. 1" = 8'

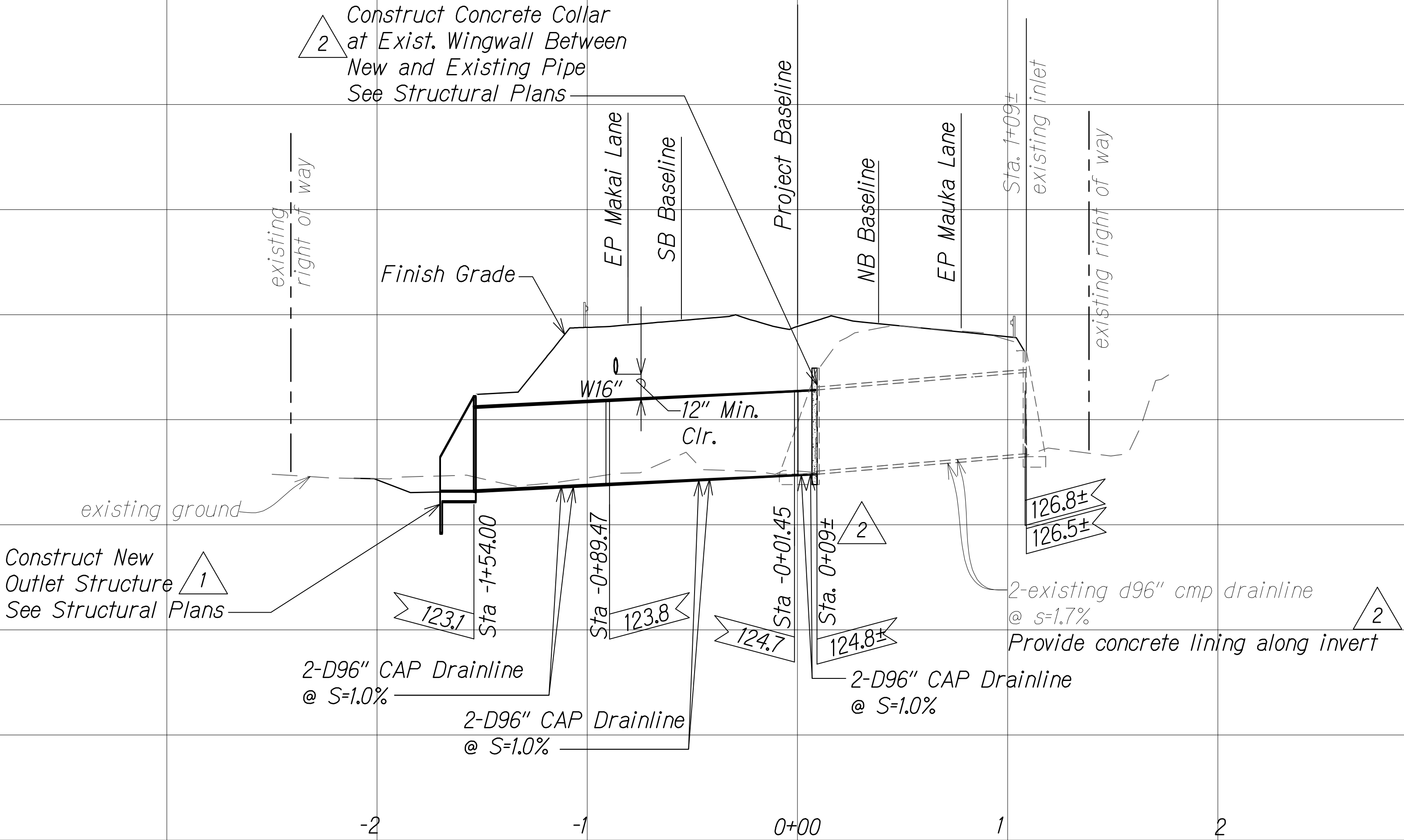
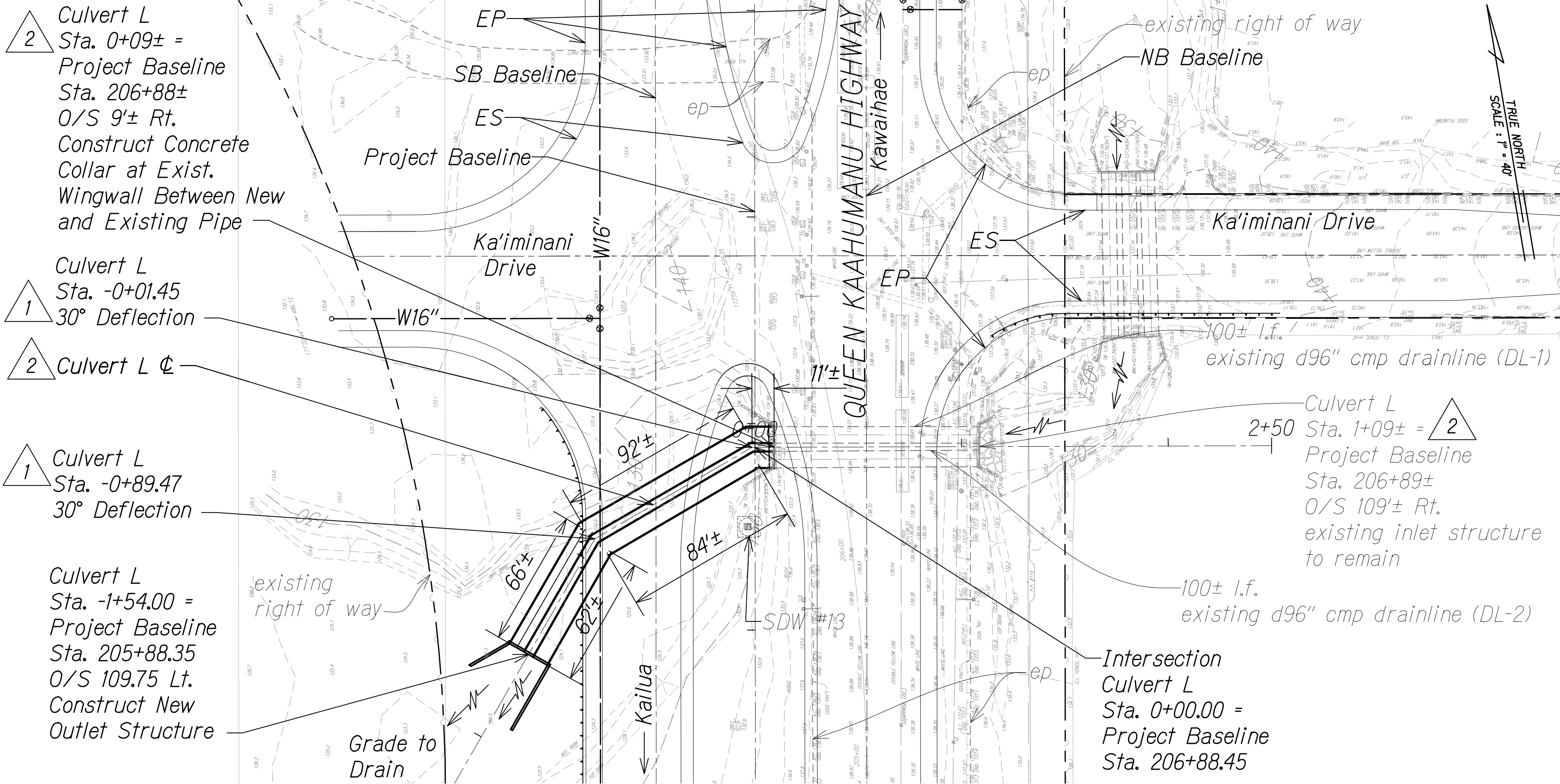
8/1/16	2	Added culvert lining label; Added ϕ revised labels
1/22/16	1	Removed thrust blocks; Added outlet structure callout in profile
DATE	REVISION	

SHEET No. 14 OF 17 SHEETS

"AS-BUILT"

18/3/2016 1:16 PM

C.O. 301



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

W:_CIVIL 3D PROJECTS\2008_003_001 GBI QUEEN K HWY WIDENING\01 CIVIL DRAWINGS\301 CULVERT L PP.DWG 8/3/2016 1:15 PM

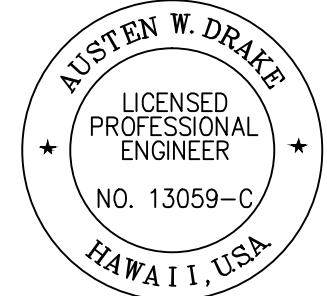
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(38)R	2016	C.O. 302	528 522

LEGEND:

- existing ground along ϕ of culvert
- Finish Grade Along ϕ Of Culvert
- W16" Proposed Waterline with Pipe Size
- HGL
- Direction of Flow

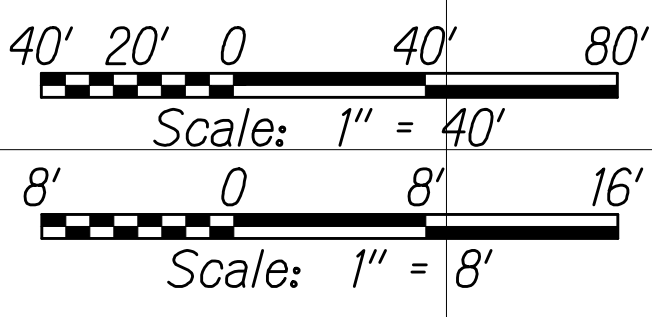
LEGEND FOR AS-BUILT POSTINGS

- Squiggly line for as-built deletion
- Double line for as-built deletion
- Roadway Text for as-built posting



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APRIL 30, 2018
SIGNATURE OF THE LICENSE

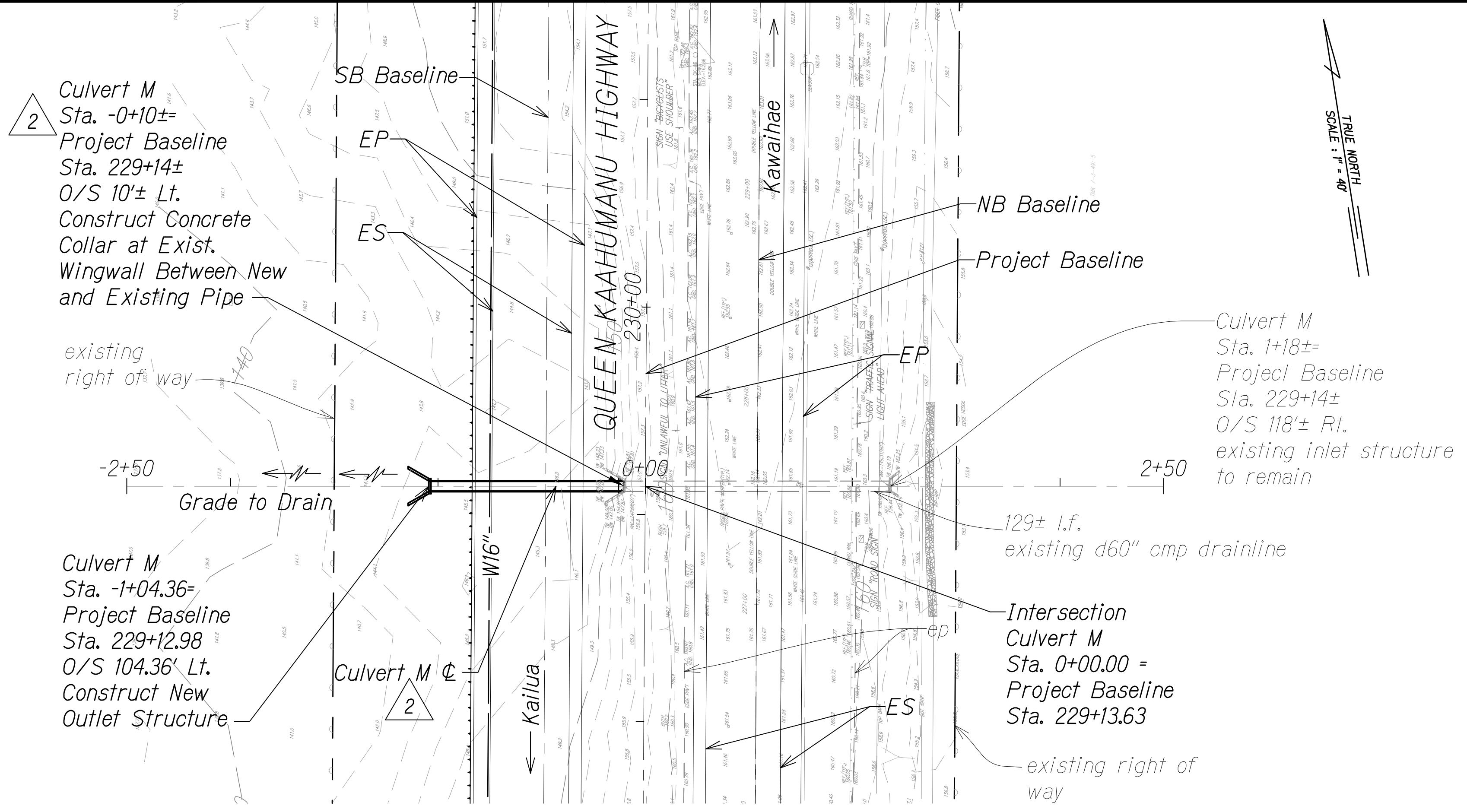
GRAPHICAL SCALES:



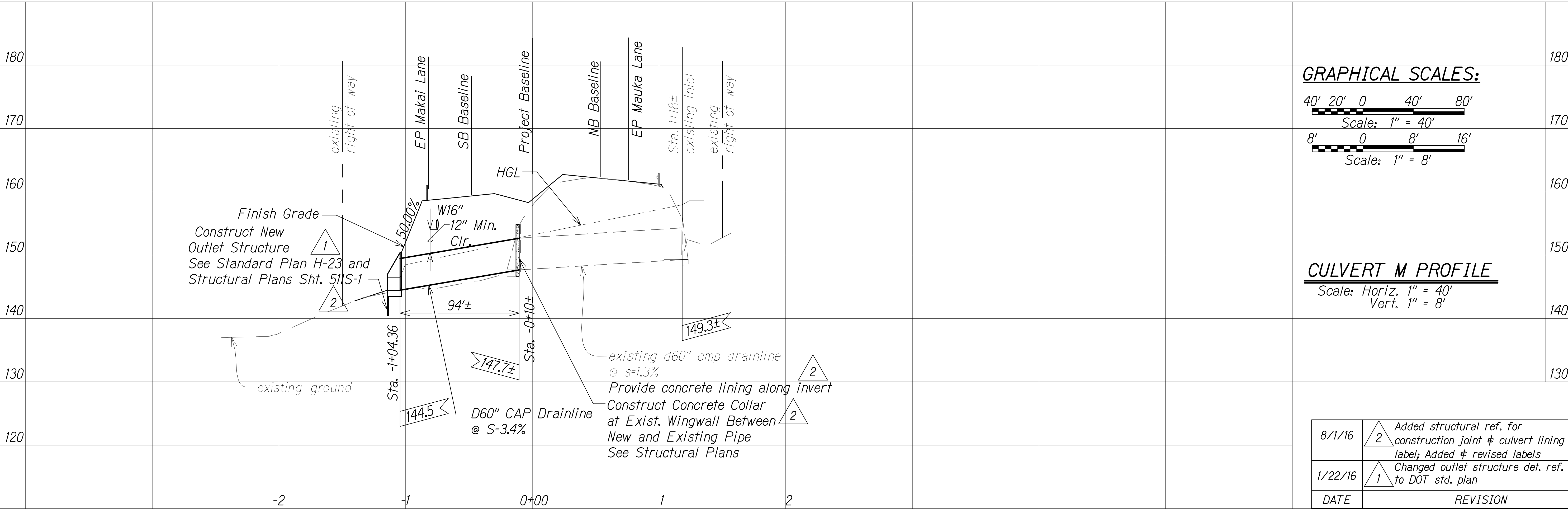
CULVERT M PROFILE

Scale: Horiz. 1" = 40'
Vert. 1" = 8'

8/1/16	Added structural ref. for construction joint ϕ culvert lining label; Added ϕ revised labels
1/22/16	Changed outlet structure det. ref. to DOT std. plan
DATE	REVISION



TRUE NORTH
SCALE 1" = 40'



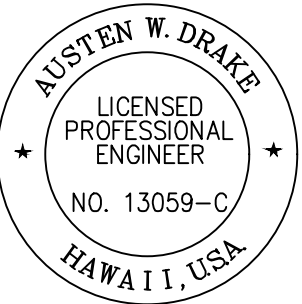
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

W:_CIVIL 3D PROJECTS\2008_003_001 GBI QUEEN K HWY WIDENING\01 CIVIL DRAWINGS\02 CULVERT M PP.DWG 8/3/2016 1:18 PM

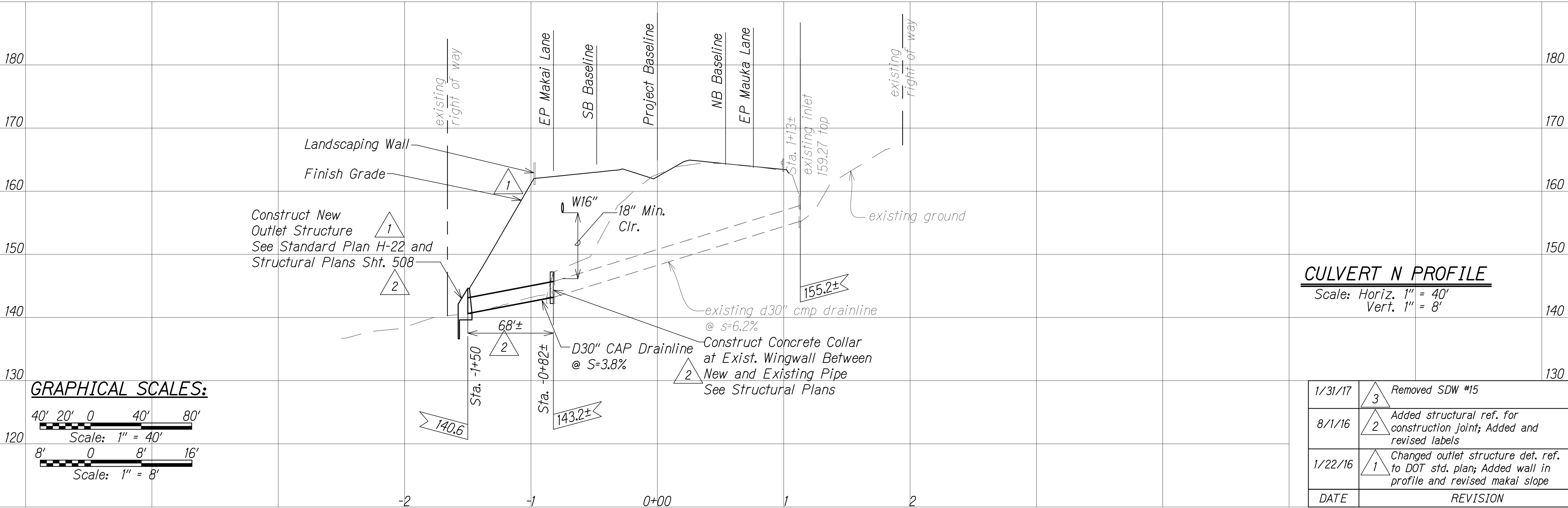
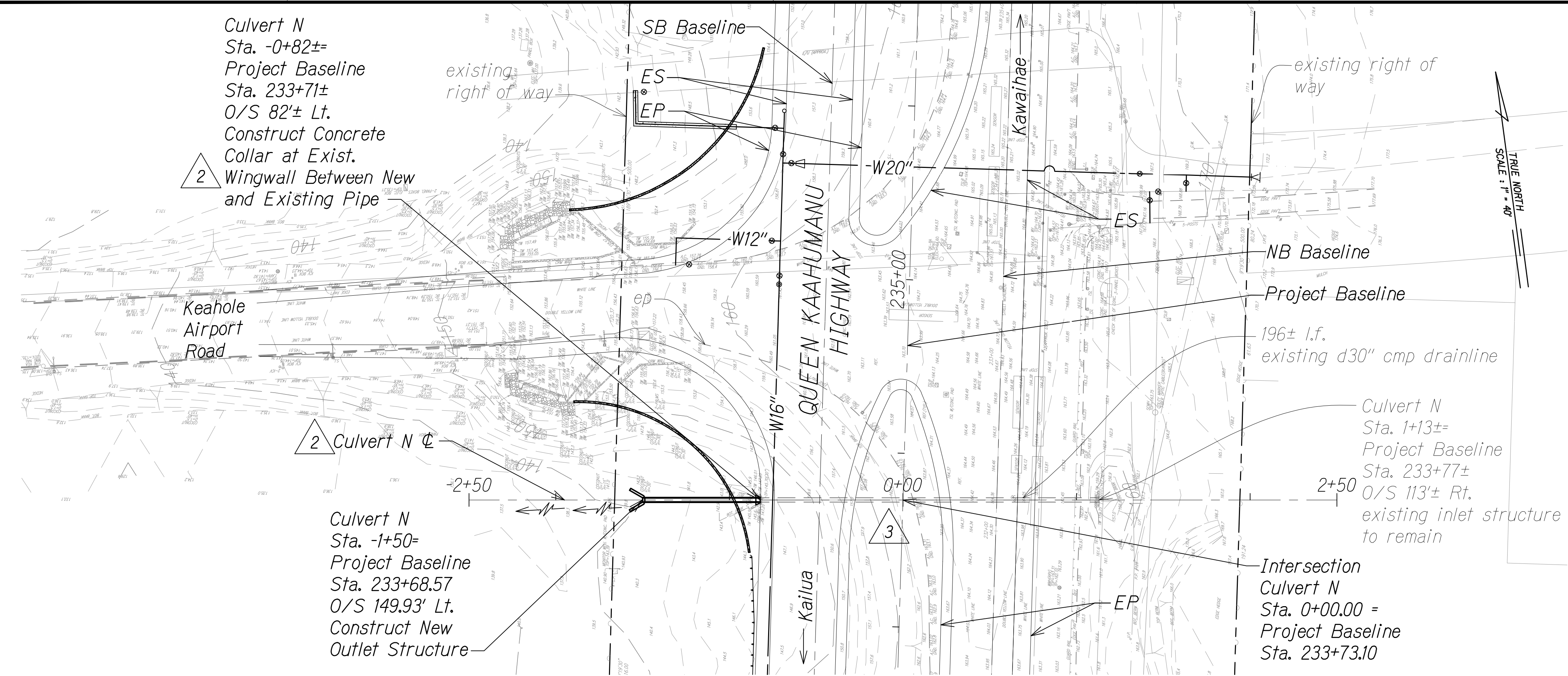
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(38)R	2016	C.O. 303	528

LEGEND:

- existing ground along ϕ of culvert
- Finish Grade Along ϕ Of Culvert
- W16" Proposed Waterline with Pipe Size
- Direction of Flow



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CULVERT N PROFILE

Scale: Horiz. 1" = 40'
Vert. 1" = 8'

1/31/17	3	Removed SDW #15
8/1/16	2	Added structural ref. for construction joint; Added and revised labels
1/22/16	1	Changed outlet structure det. ref. to DOT std. plan; Added wall in profile and revised makai slope
DATE	REVISION	

SHEET No. 16 OF 17 SHEETS

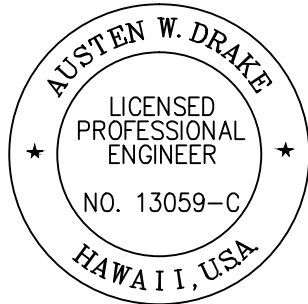
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(38)R	2016	C.O. 304	528 522

LEGEND:

- existing ground along ϕ of culvert
- Finish Grade Along ϕ Of Culvert
- Proposed Waterline with Pipe Size

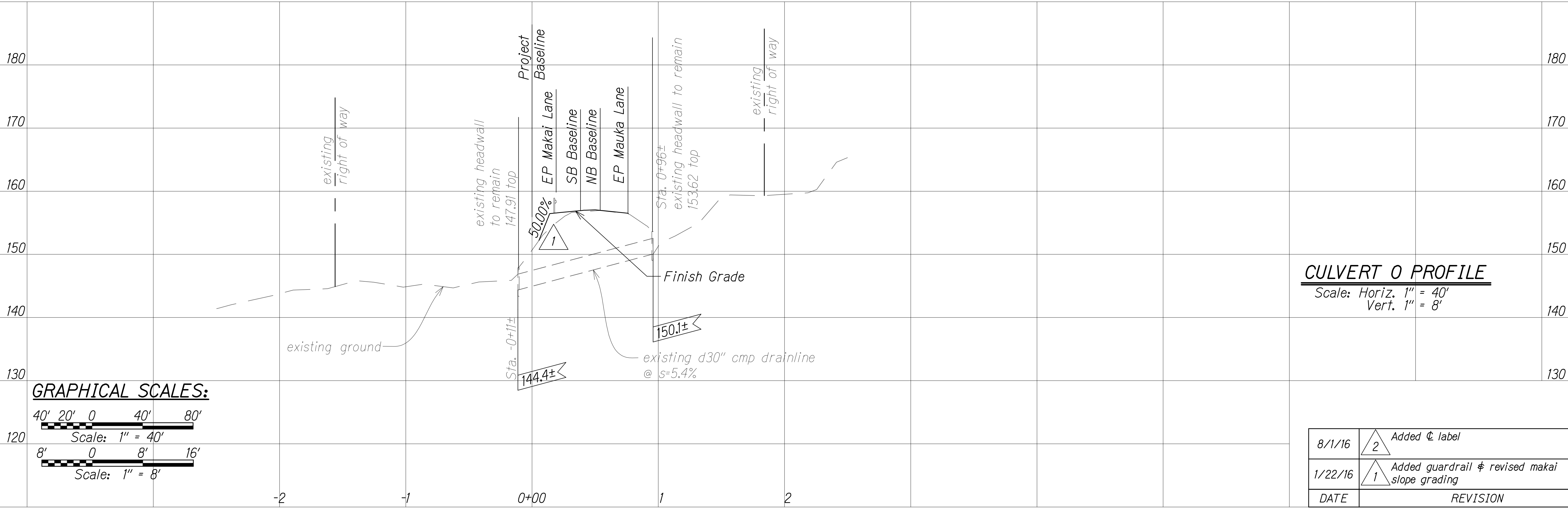
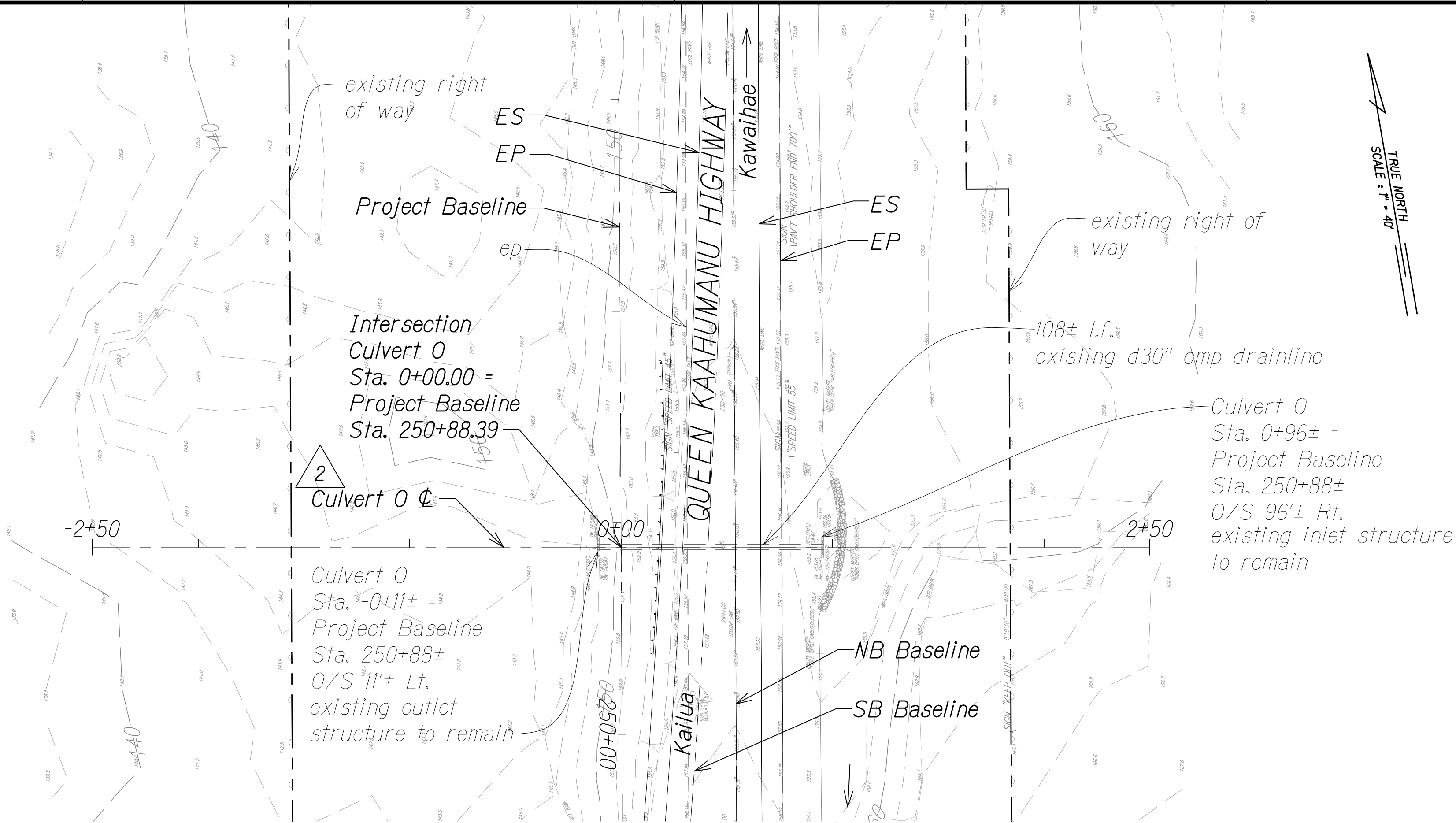
LEGEND FOR AS-BUILT POSTINGS

- Squiggly line for as-built deletion
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- Roadway Text for as-built posting



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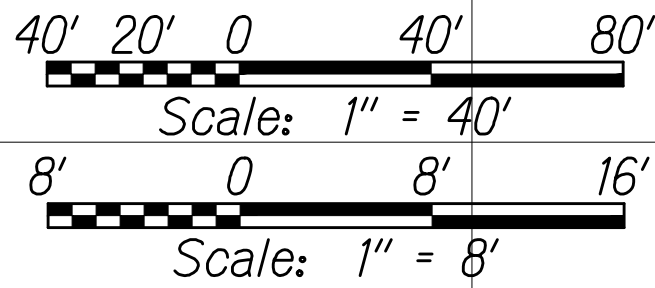
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SIGNATURE EXPIRATION DATE OF THE LICENSE



CULVERT 0 PROFILE

Scale: Horiz. 1" = 40'
Vert. 1" = 8'

GRAPHICAL SCALES:



8/1/16	2	Added ϕ label
1/22/16	1	Added guardrail & revised makai slope grading
DATE	REVISION	

SHEET No. 17 OF 17 SHEETS

"AS-BUILT"

C.O. 304

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

W:_CIVIL 3D PROJECTS\2008_003_001 GBI QUEEN K HWY WIDENING\01 CIVIL DRAWINGS\04 CULVERT 0 PP.DWG 8/3/2016 1:20 PM