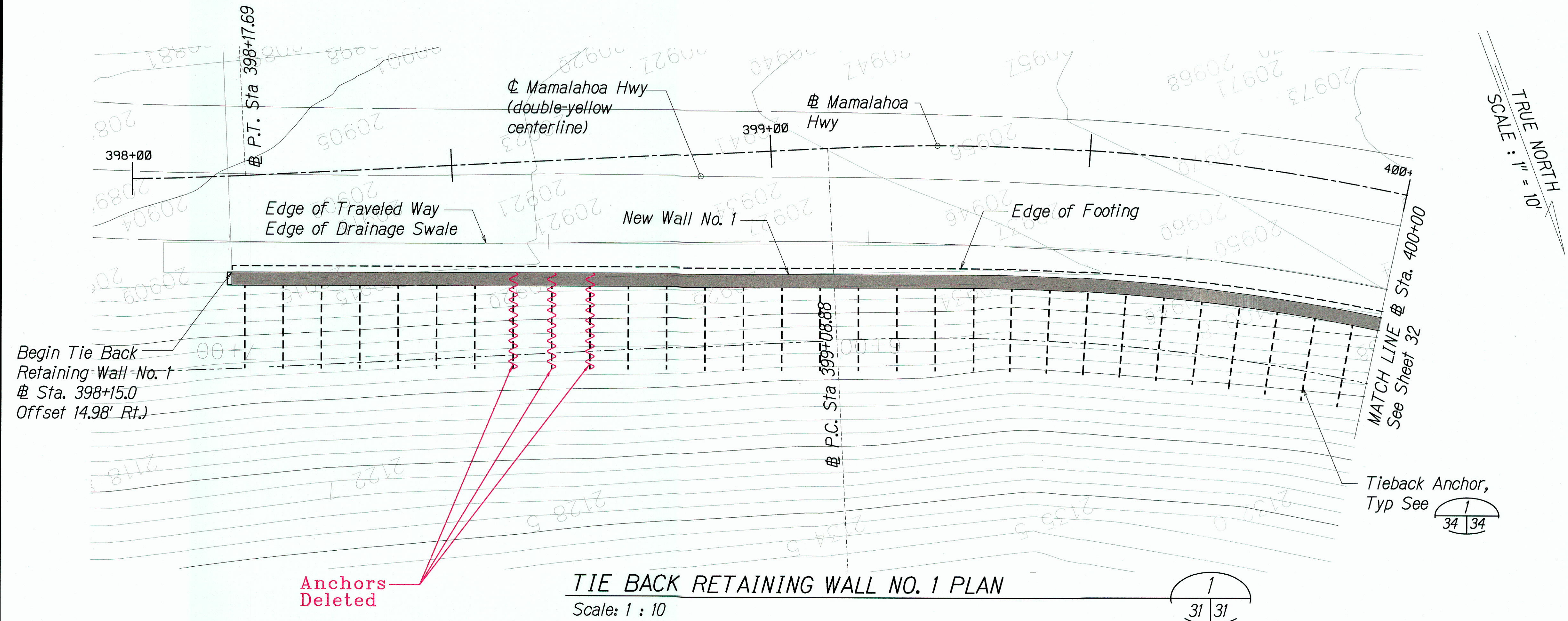


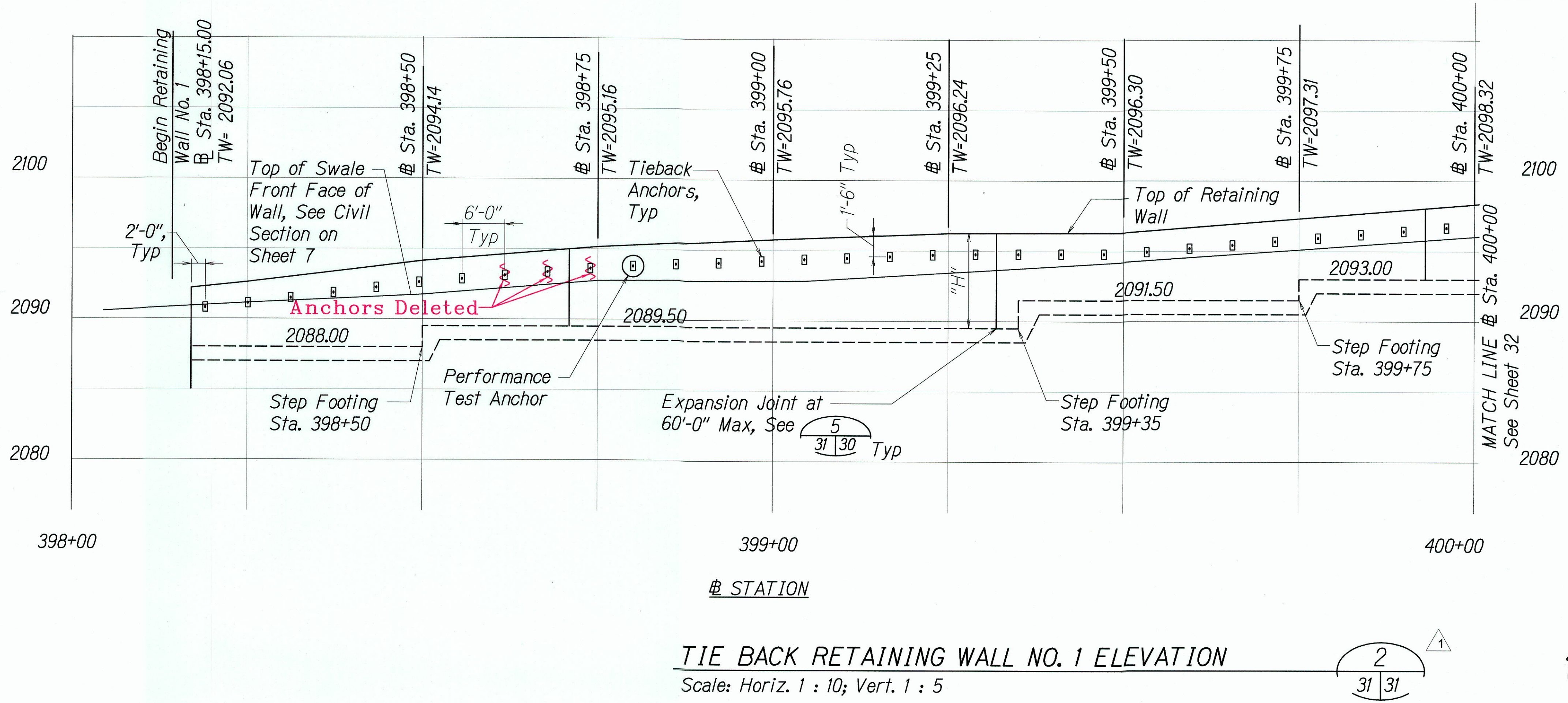
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0190(016)	2016	ADD. 31	36



LEGEND FOR AS-BUILT POSTINGS

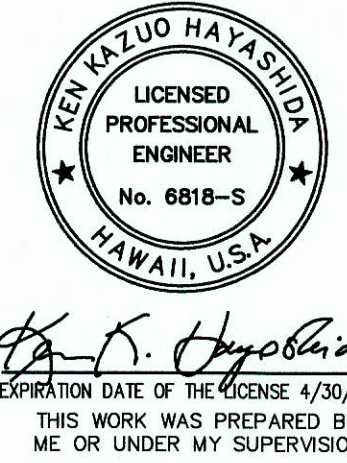
	Squiggly line for as-built deletion
	Double line for as-built deletion
	Text for as-built posting

Note:
1. Retaining wall offset from Mamalahoa Hwy is to front face of shotcrete wall. See Sheet 34 and Sheet 7, Civil Section at Retaining Wall for additional information.



Note:
1. Information on drainage weep holes, and other related information, See Sheets 34 and 36.
2. Provide contraction joints at 20'-0" maximum spacing, See Sheet 30

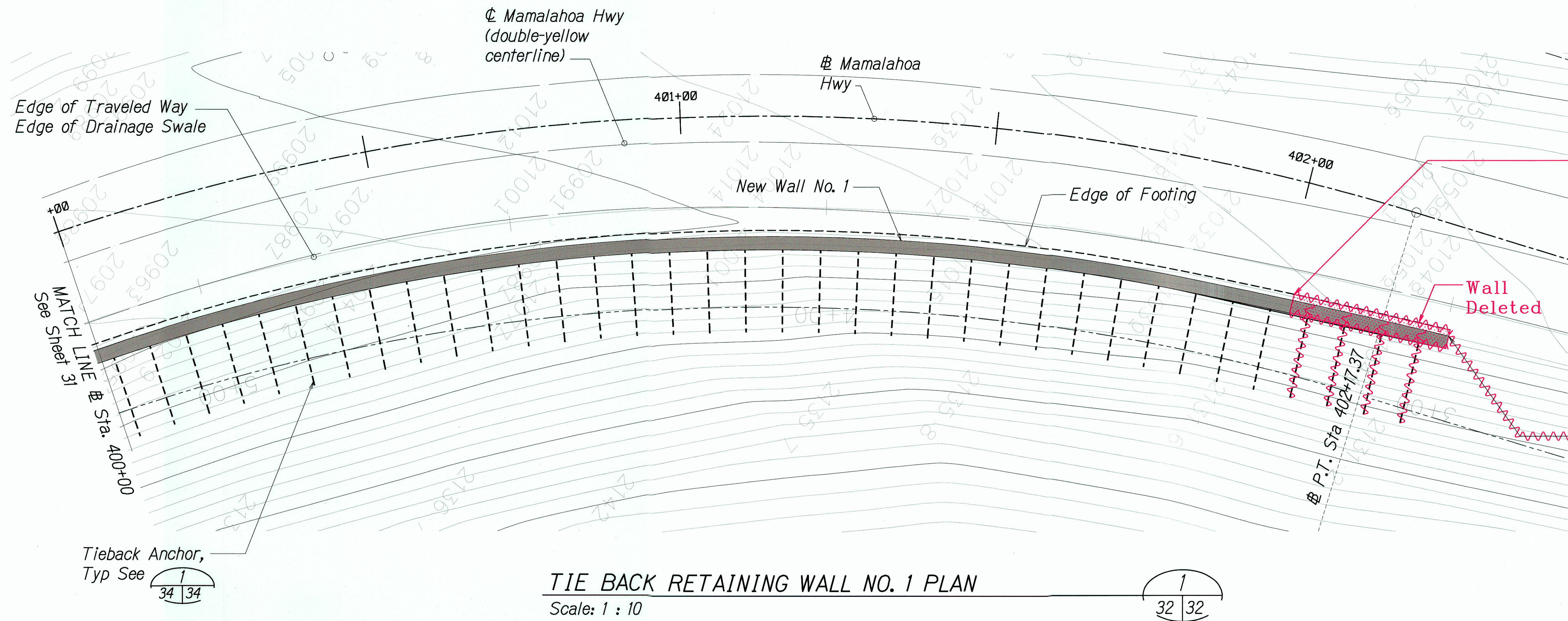
9/26/16	Revised Tieback Anchor Layout
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION TIE BACK RETAINING WALL NO. 1 PLAN AND ELEVATION MAMALAHOA HIGHWAY DRAINAGE IMPROVEMENTS Vicinity of Puuwaawaa Ranch Road Federal-Aid Project No. STP-0190(016) Scale: As Noted Date: April 2016	
SHEET No. 3 OF 8 SHEETS	



"AS-BUILT"

ADD. 31

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0190(016)	2016	ADD. 32	36

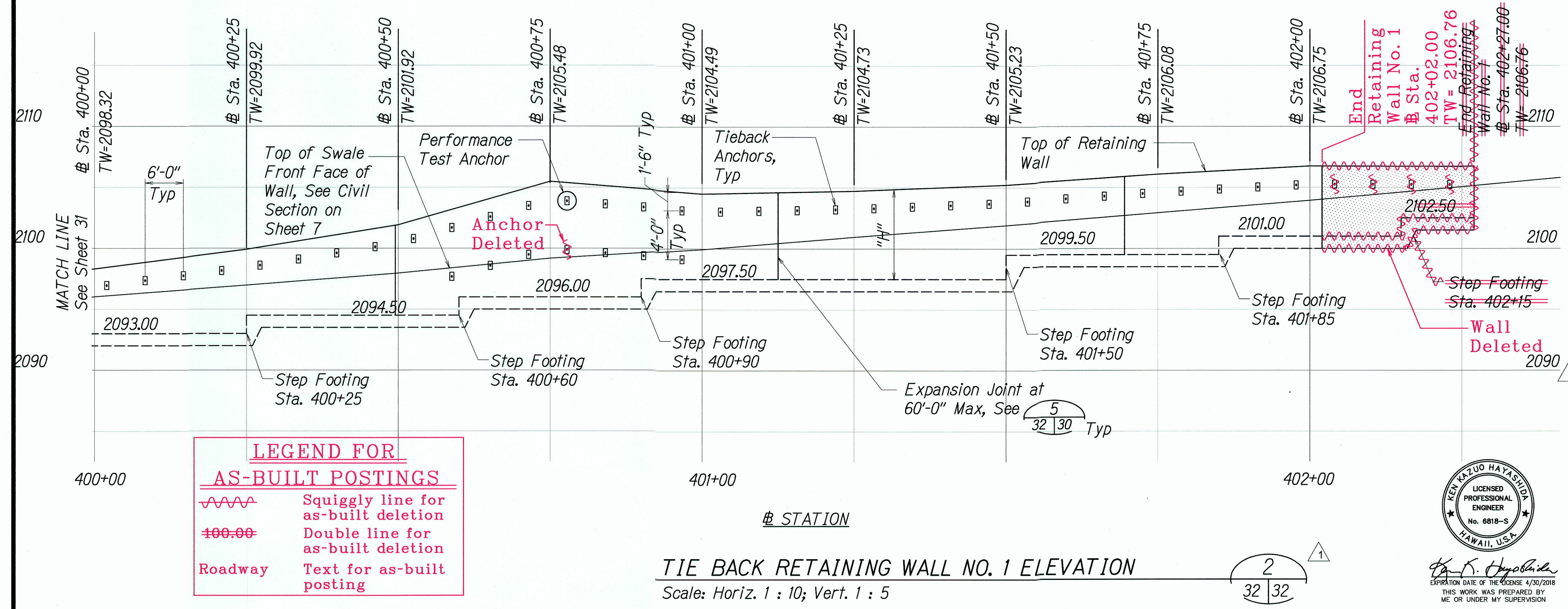


End Tie Back Retaining Wall No. 1
 @ Sta. 402+02.00
 Offset 17.11' Rt.

Note:
 1. Retaining wall offset from Mamalahoa Hwy is to front face of shotcrete wall. See Sheet 34 and Sheet 7, Civil Section at Retaining Wall for additional information.

~~End Tie Back Retaining Wall No. 1~~
~~@ Sta. 402+27.00~~
~~Offset 17.11' Rt.~~

TIE BACK RETAINING WALL NO. 1 PLAN
 Scale: 1 : 10



Note:
 1. Information on drainage weep holes, and other related information, See Sheets 34 and 36.
 2. Provide contraction joints at 20'-0" maximum spacing, See Sheet 30

LEGEND FOR AS-BUILT POSTINGS
 ~~~~~ Squiggly line for as-built deletion  
 400+00 Double line for as-built deletion  
 Roadway Text for as-built posting

**TIE BACK RETAINING WALL NO. 1 ELEVATION**  
 Scale: Horiz. 1 : 10; Vert. 1 : 5



|                                                                                                                                                                                                                                                                                                              |                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 9/26/16                                                                                                                                                                                                                                                                                                      | Revised Tieback Anchor Layout |
| DATE                                                                                                                                                                                                                                                                                                         | REVISION                      |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION<br><b>TIE BACK RETAINING WALL NO. 1 PLAN AND ELEVATION</b><br><b>MAMALAHOA HIGHWAY</b><br><b>DRAINAGE IMPROVEMENTS</b><br>Vicinity of Puuwaawaa Ranch Road<br>Federal-Aid Project No. STP-0190(016)<br>Scale: As Noted Date: April 2016 |                               |
| SHEET NO. 4                                                                                                                                                                                                                                                                                                  | OF 8 SHEETS                   |

"AS-BUILT"