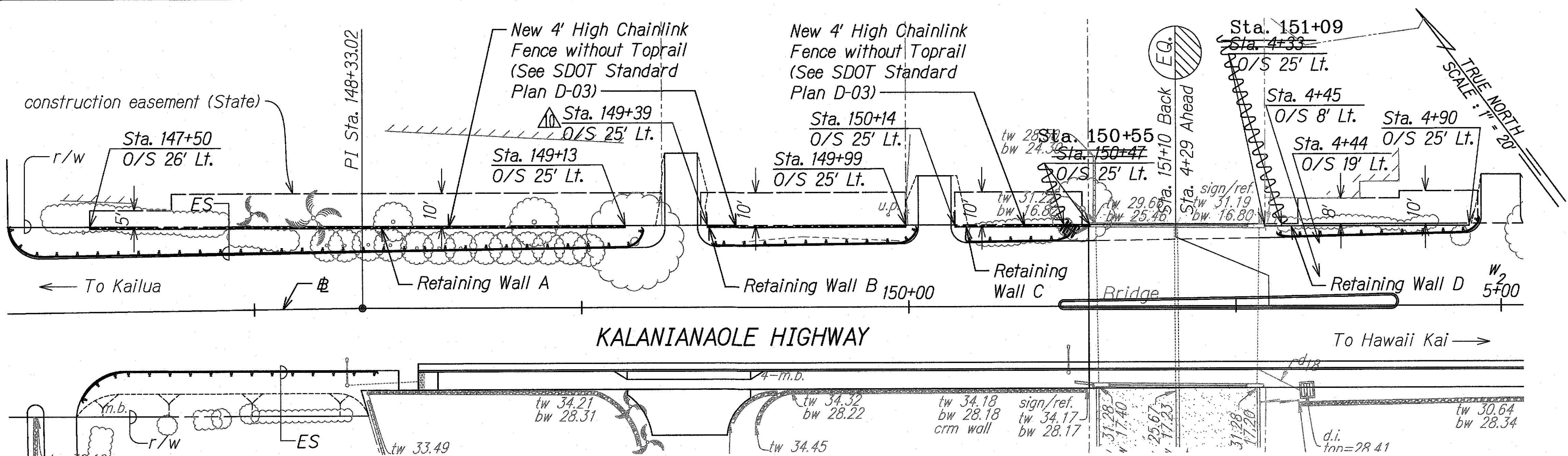
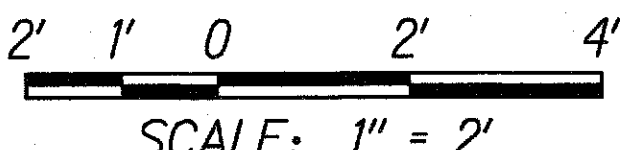
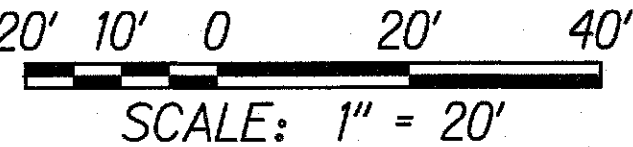


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	CCO. 99	117

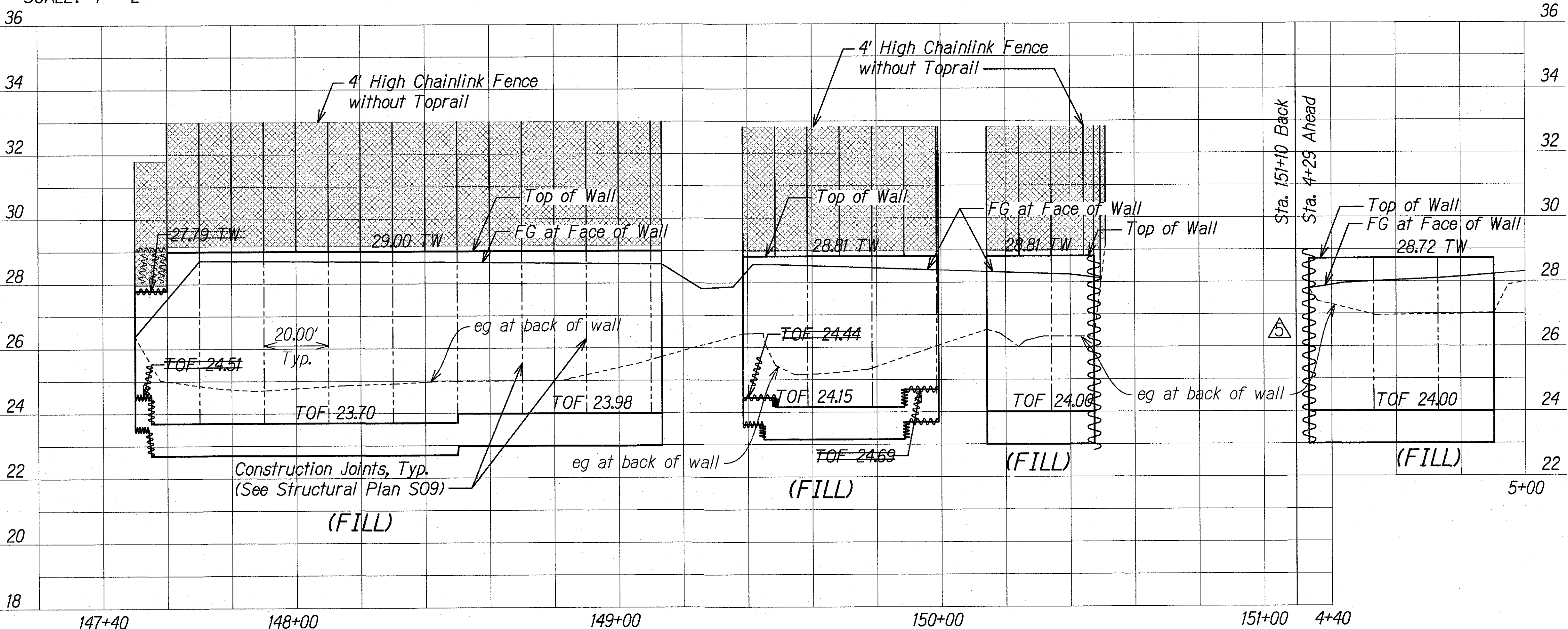
NOTE:
For reinforcements and other wall details,
See Structural Plans S08 to S09.



GRAPHICAL SCALES:



PLAN
SCALE: 1" = 20'



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

05/02/17		Wall B, Driveway adjustment and Water Meters Relocation
4/25/16		Lowered Retaining Wall D Footing Elevation
10/23/15		Revised Retaining Wall Footing Elevation

DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION RETAINING WALLS A, B, C & D PLAN AND PROFILE KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1 Olomana Golf Course To Vicinity of Poalima St. Federal Aid Project No. NH-072-1(53) Scale: AS NOTED Date: March, 2019 SHEET No. S01 OF 9 SHEETS	

PROFILES A, B, C & D
Scale: Horiz. 1" = 20'
Vert. 1" = 2'

"AS-BUILT"

CCO.99

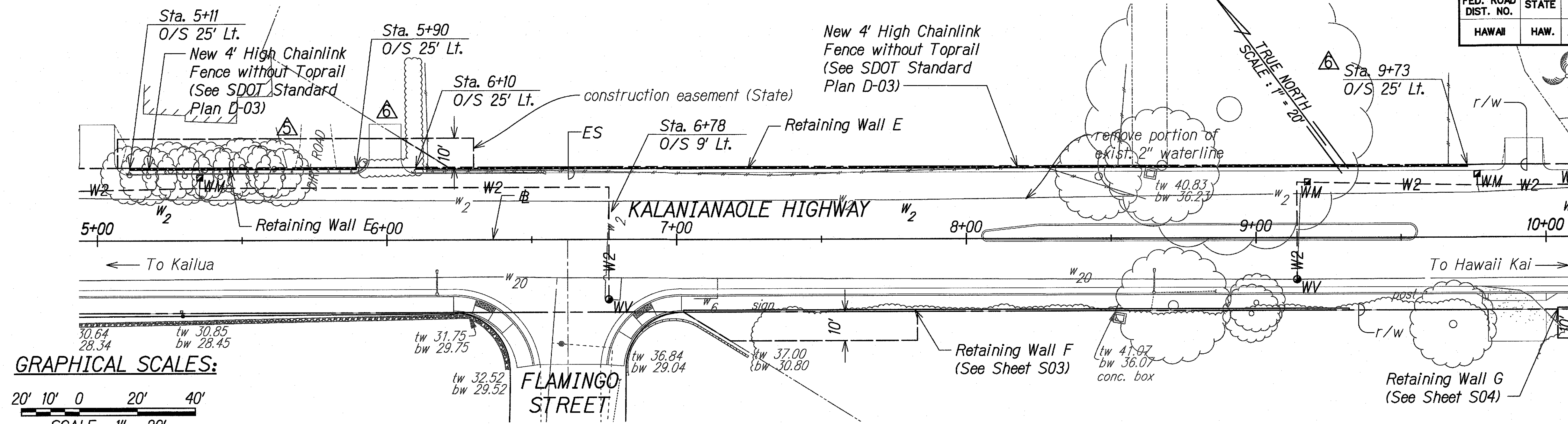
DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

W:\CIVIL 3D PROJECTS\2008_000 DOT-HWY KAL HWY IMP WAMAWALO PH 1\AS BUILT PLANS\CAD\S01 - RETAINING WALL PLAN AND PROFILE.DWG 3/3/2020 7:29 PM

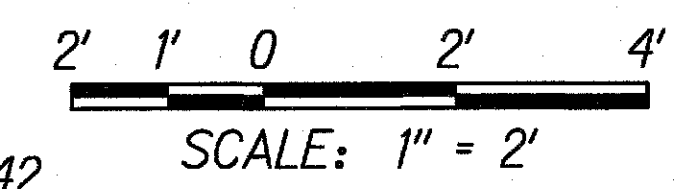
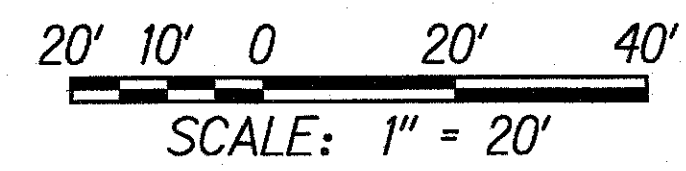
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	C.O. 100	117

NOTES:

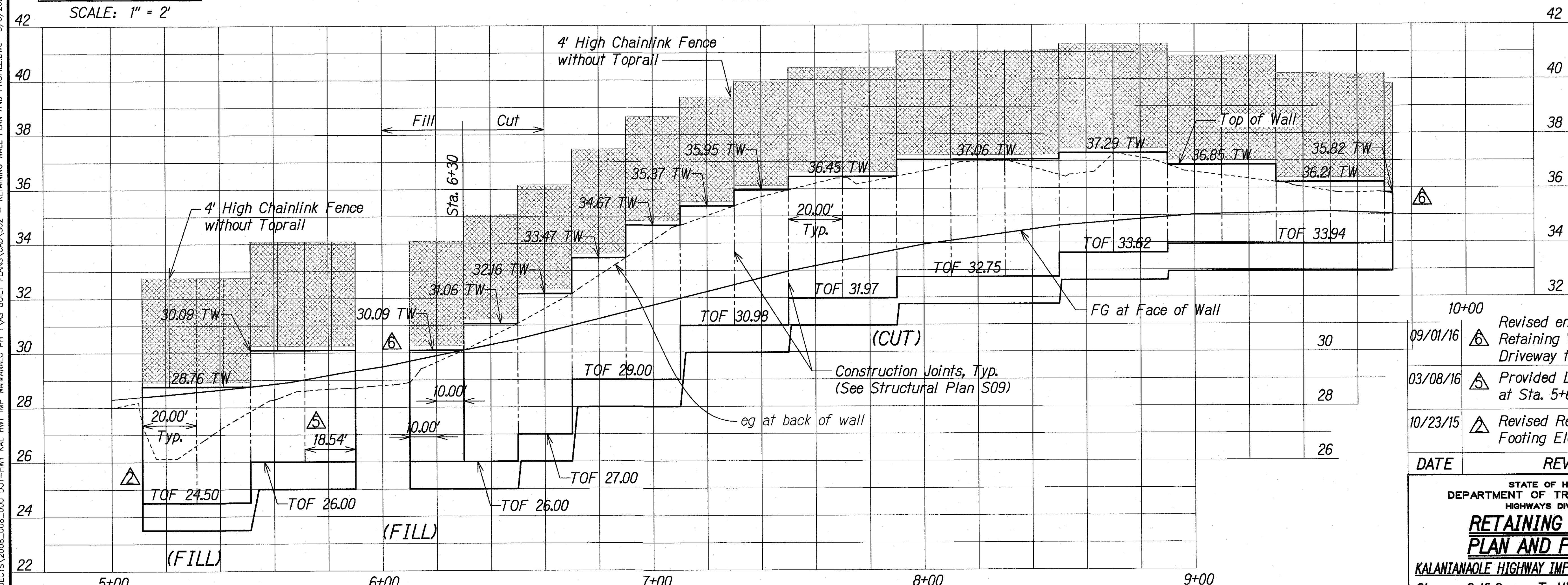
1. All retaining walls within cut sections shall have all exposed surfaces facing the State ROW finished with CRM Veneer.
2. For reinforcements and other wall details, See Structural Plans S08 to S09.



GRAPHICAL SCALES:



PLAN SCALE: 1" = 20'



PROFILE Scale: Horiz. 1" = 20' Vert. 1" = 2'

DATE	REVISION
09/01/16	Revised end station Retaining Wall E and Moved Driveway to Sta. 5+90
03/08/16	Provided Driveway Access at Sta. 5+66 to Sta. 5+87
10/23/15	Revised Retaining Wall Footing Elevation

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**RETAINING WALL E
PLAN AND PROFILE**

KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1
Olomana Golf Course To Vicinity of Poalima St.
Federal Aid Project No. NH-072-1(53)

Scale: AS NOTED Date: March, 2019

SHEET No. S02 OF 9 SHEETS

"AS-BUILT"

C.O. 100

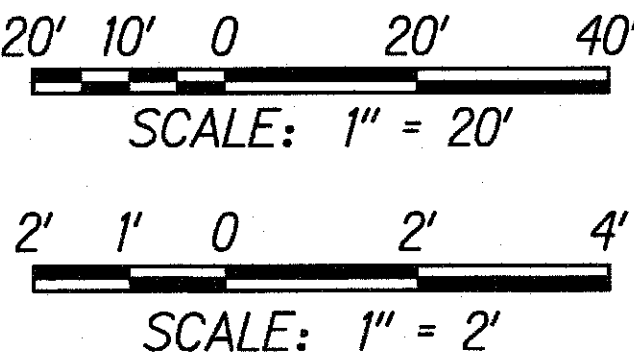
W:\CIVIL 3D PROJECTS\2008_008_000 DOT-HWY KAL HWY IMP WAMANOLO PH 1\AS BUILT PLANS\CAD\S02 - RETAINING WALL PLAN AND PROFILE.DWG 3/3/2020 7:34 PM

DATE	BY	NO.
	DESIGNED BY	
	DRAWN BY	
	CHECKED BY	
	QUANTITIES BY	
	NOTE BOOK	
	ORIGINAL PLAN	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	101	117

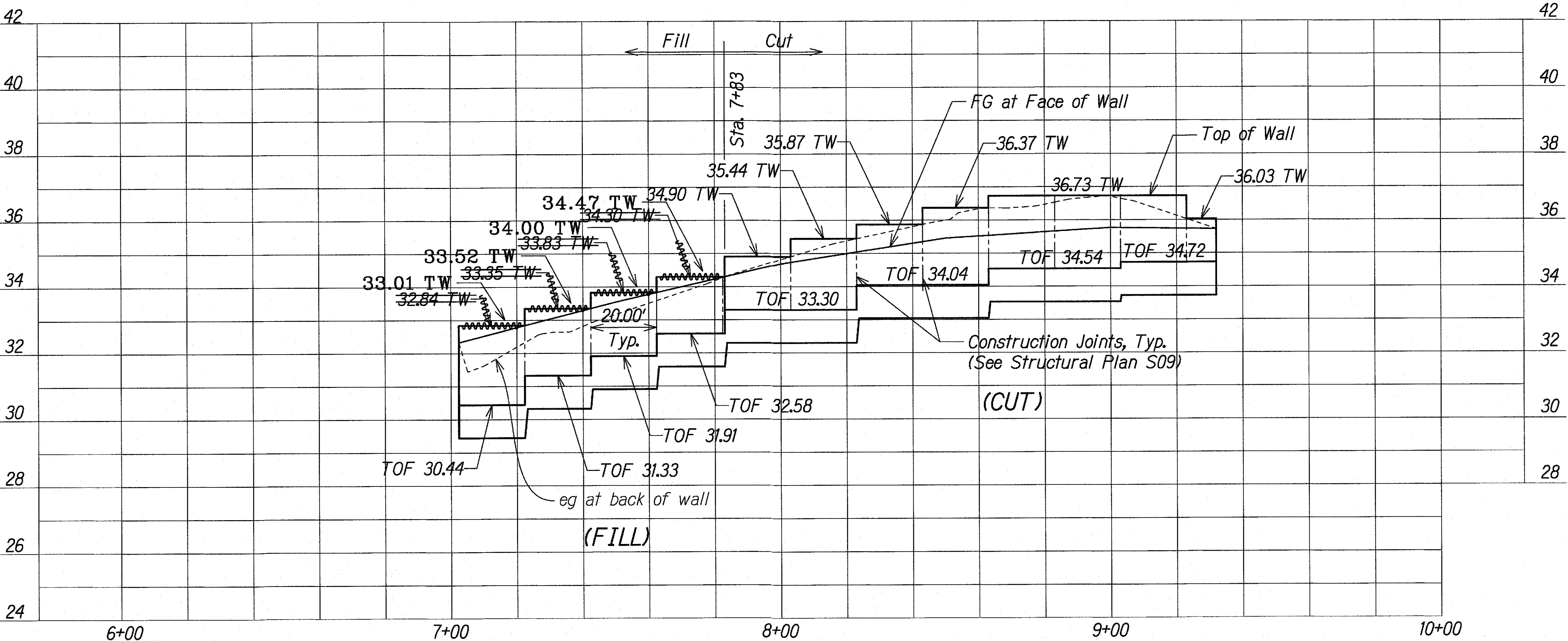
- NOTES:**
- All retaining walls within cut sections shall have all exposed surfaces facing the State ROW finished with CRM Veneer.
 - For reinforcements and other wall details, See Structural Plans S08 to S09.

GRAPHICAL SCALES:



PLAN

SCALE: 1" = 20'



PROFILE

Scale: Horiz. 1" = 20'
Vert. 1" = 2'

LEGEND FOR AS-BUILT POSTINGS

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**RETAINING WALL F
PLAN AND PROFILE**

KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1
Olomana Golf Course To Vicinity of Poalima St.
Federal Aid Project No. NH-072-1(53)

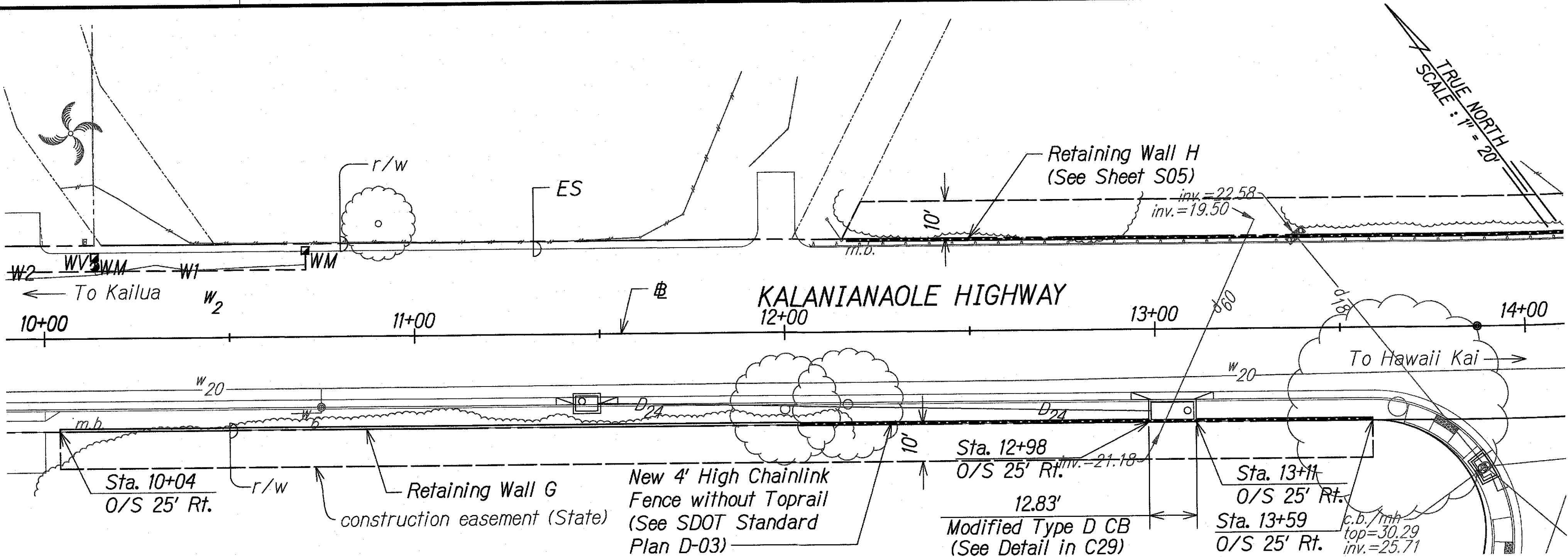
Scale: AS NOTED Date: March, 2019

SHEET No. S03 OF 9 SHEETS

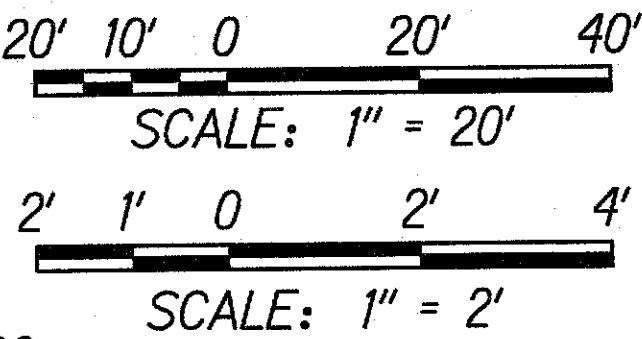
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	ADD. 102	117

NOTE:
For reinforcements and other wall details,
See Structural Plans S08 to S09.

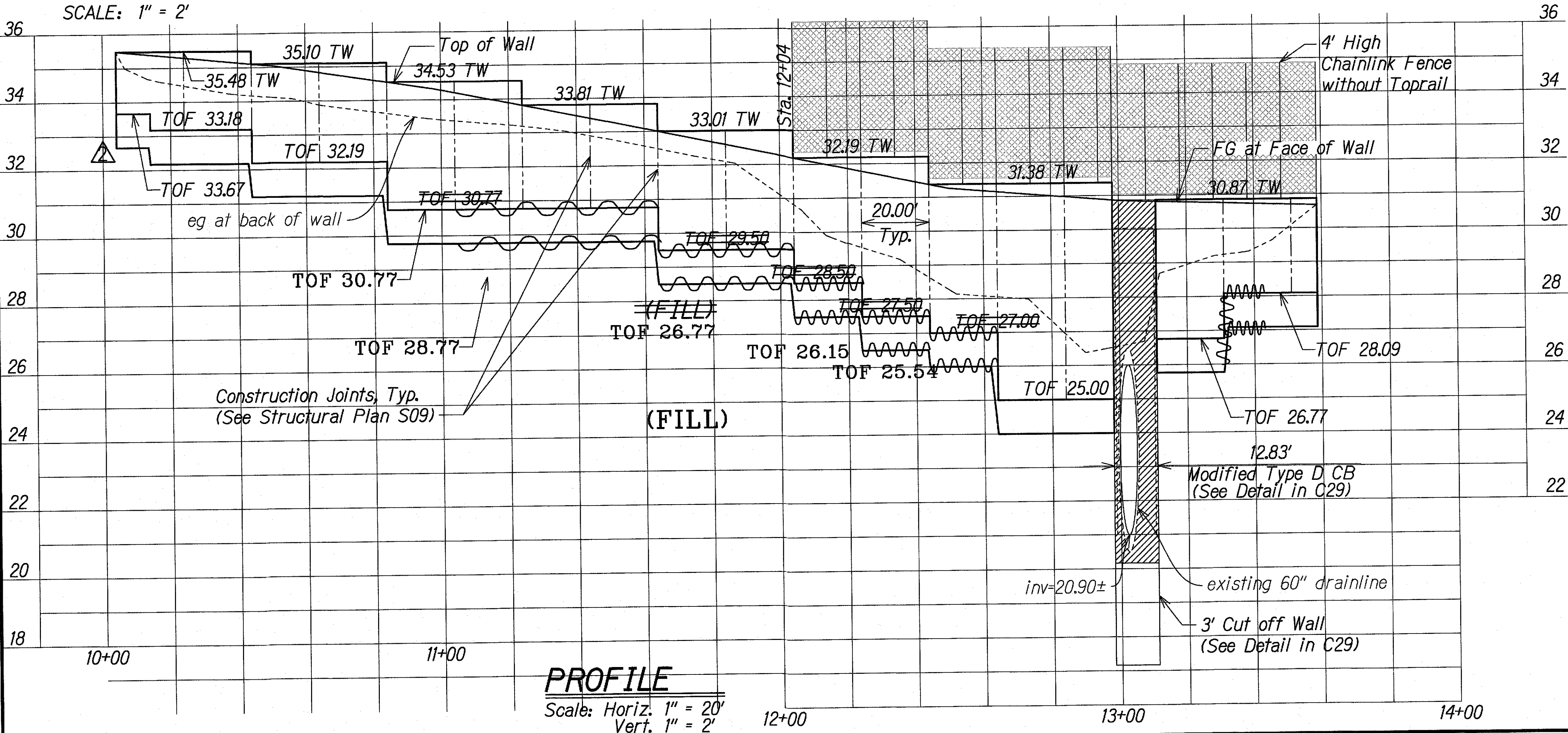


GRAPHICAL SCALES:



PLAN

SCALE: 1" = 20'



PROFILE

Scale: Horiz. 1" = 20'
Vert. 1" = 2'

LEGEND FOR AS-BUILT POSTINGS

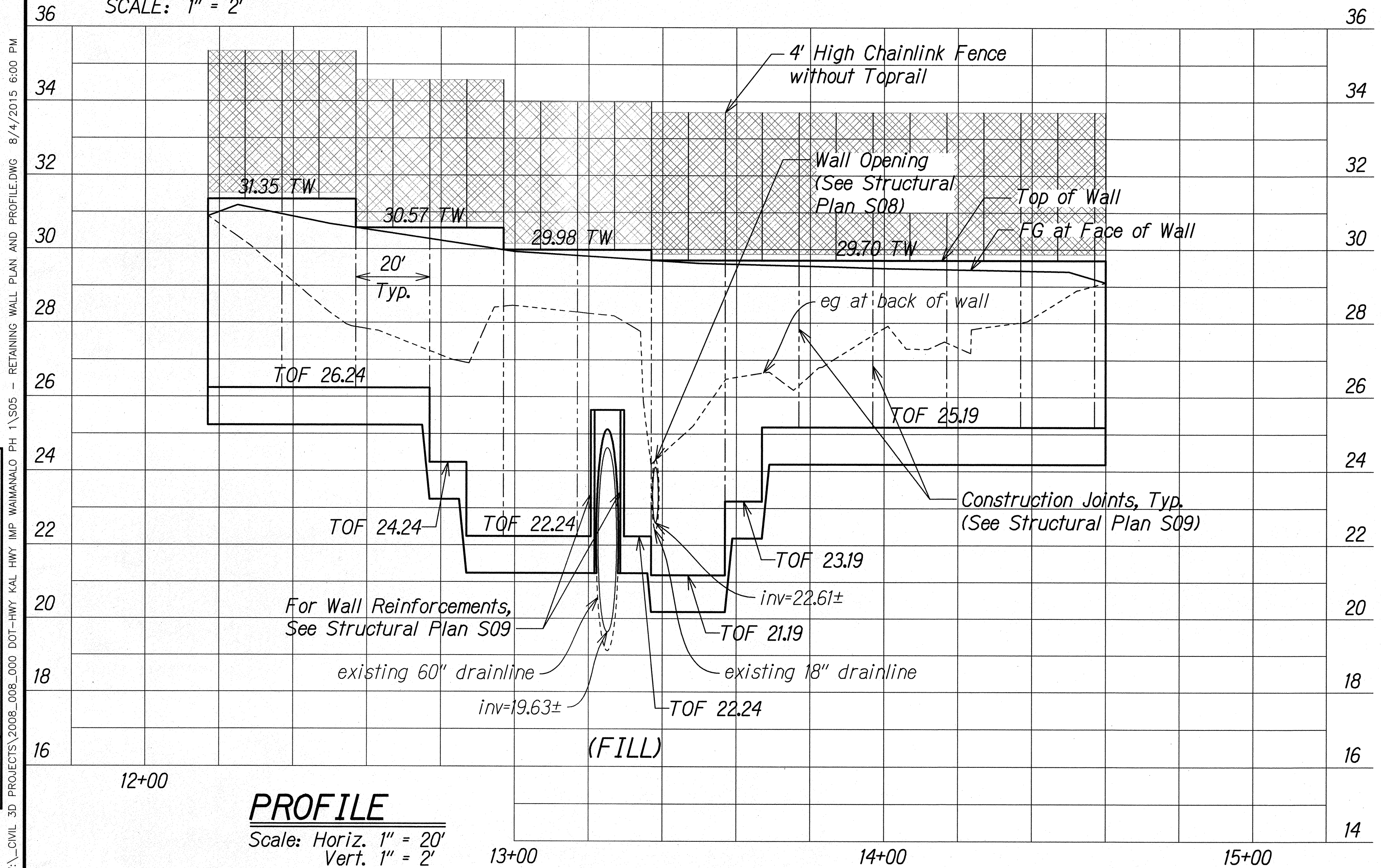
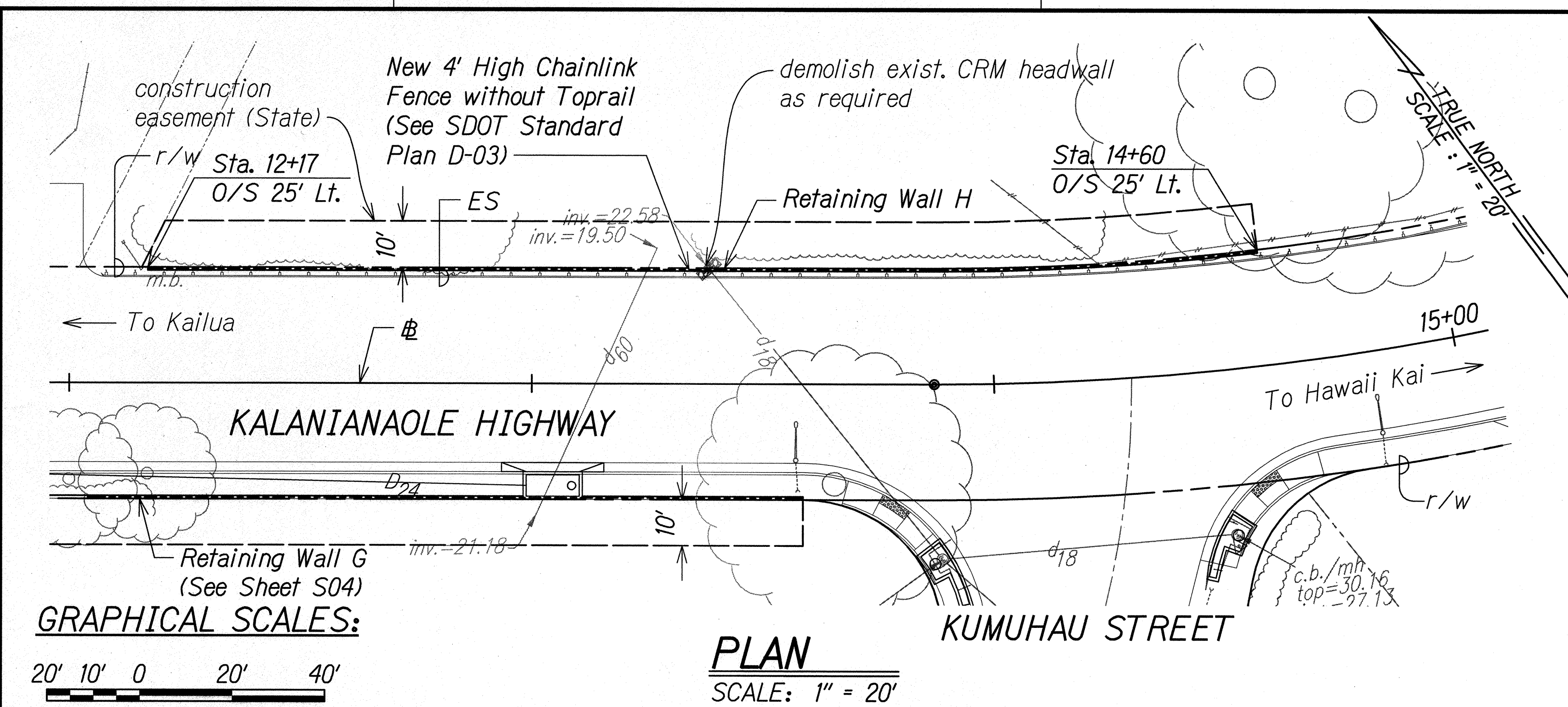
- Squiggly line for as-built deletion
- Double line for as-built deletion
- Roadway Text for as-built posting

10/23/15	Revised Retaining Wall Footing Elevation
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION RETAINING WALL G PLAN AND PROFILE KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1 Olomana Golf Course To Vicinity of Poalima St. Federal Aid Project No. NH-072-1(53) Scale: AS NOTED Date: March, 2019 SHEET No. S04 OF 9 SHEETS	

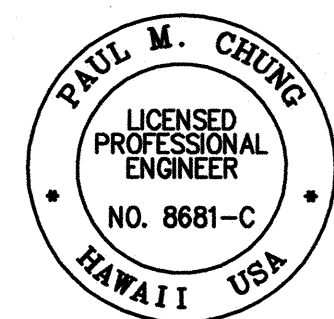
"AS-BUILT"

ADD. 102

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	103	117



NOTE:
For reinforcements and other wall details,
See Structural Plans S08 to S09.



THIS WORK WAS PREPARED BY ME OR
UNDER MY SUPERVISION

SIGNATURE

04/30/16
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

RETAINING WALL H
PLAN AND PROFILE

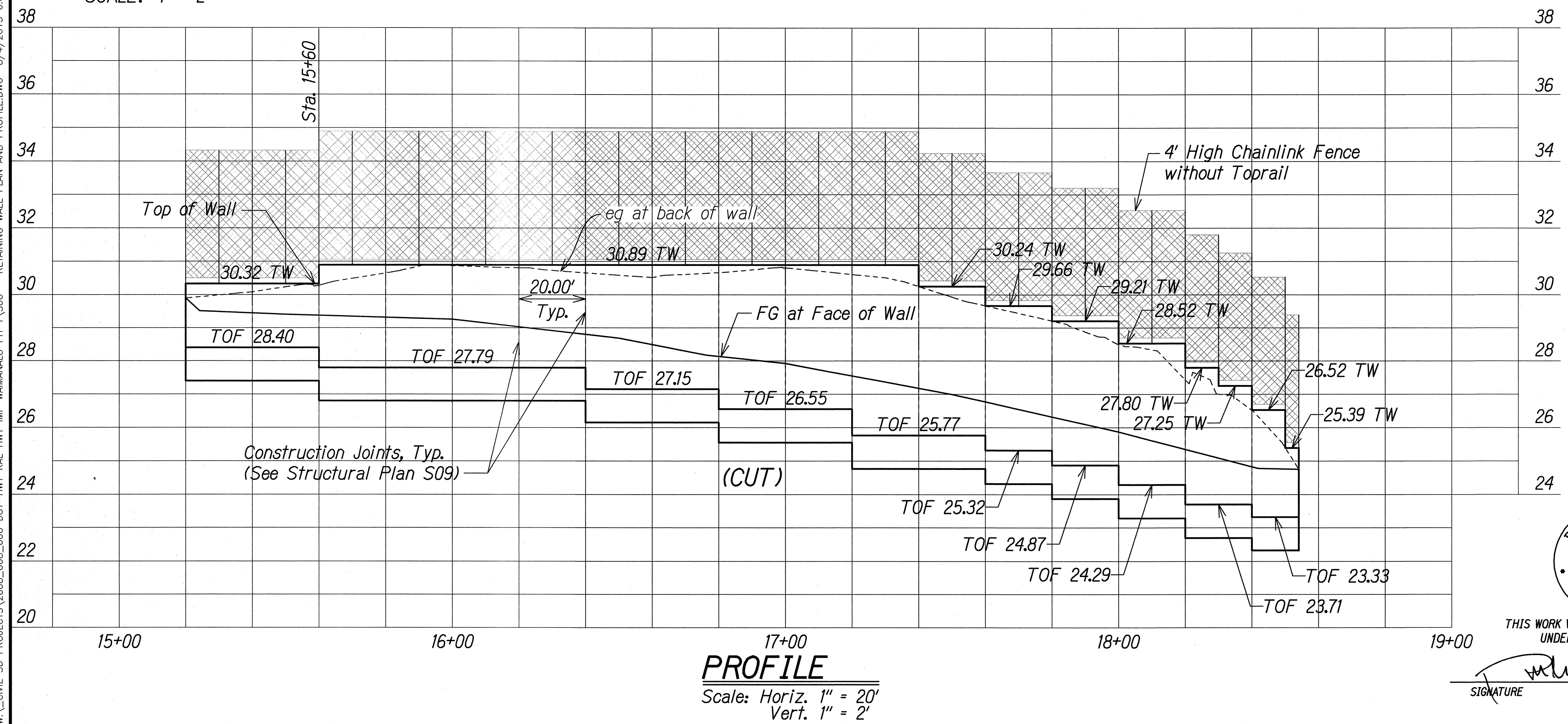
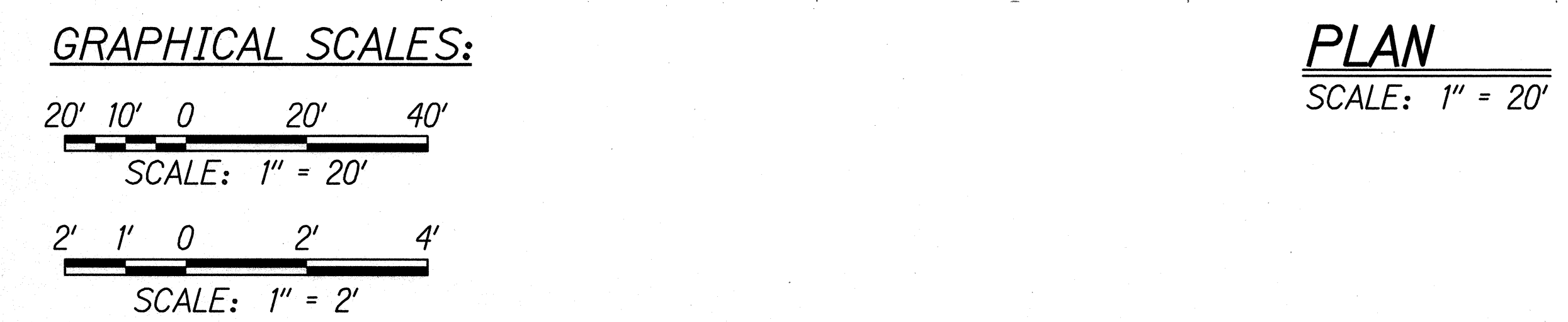
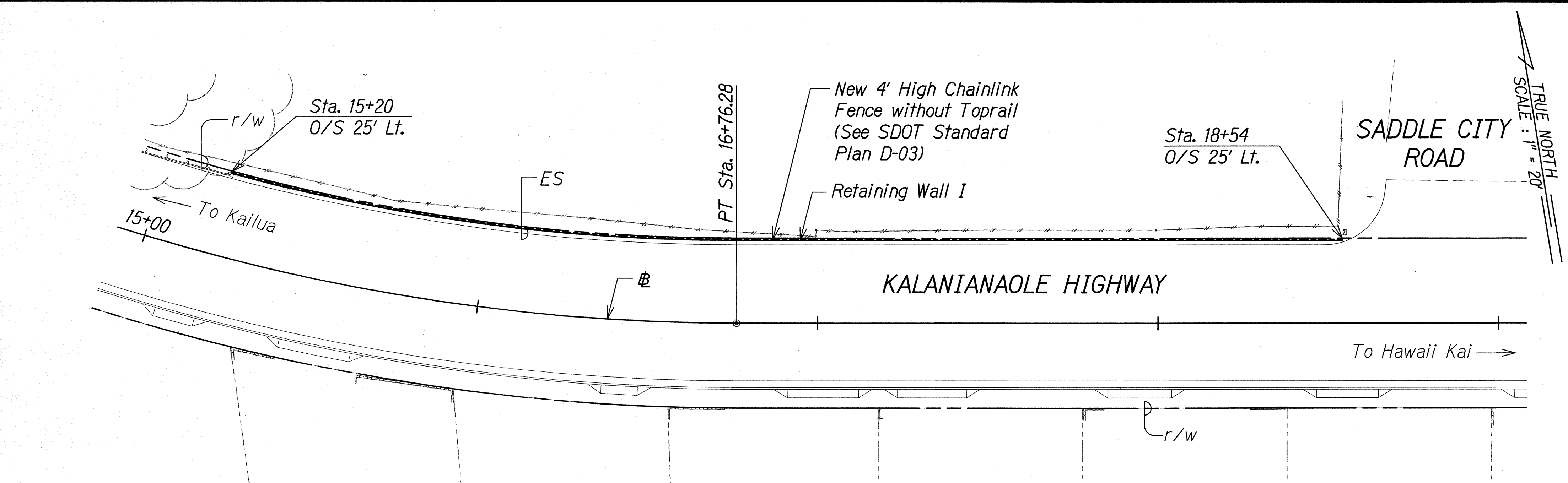
KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1
Olomana Golf Course To Vicinity of Poalima St.
Federal Aid Project No. NH-072-1(53)

Scale: AS NOTED Date: July, 2015

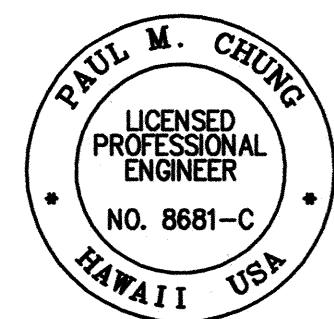
SHEET No. S05 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	104	117

- NOTES:**
1. All retaining walls within cut sections shall have all exposed surfaces facing the State ROW finished with CRM Veneer.
 2. For reinforcements and other wall details, See Structural Plans S08 to S09.



DATE	8/4/2015
SURVEY PLOTTED BY	PH 1\506 - RETAINING WALL PLAN AND PROFILE.DWG
DRAWN BY	IMP WAMANALO
DESIGNED BY	KAL HWY IMP
CHECKED BY	DOT-HWY
NO.	000



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SIGNATURE: *[Signature]* DATE: 04/30/16 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

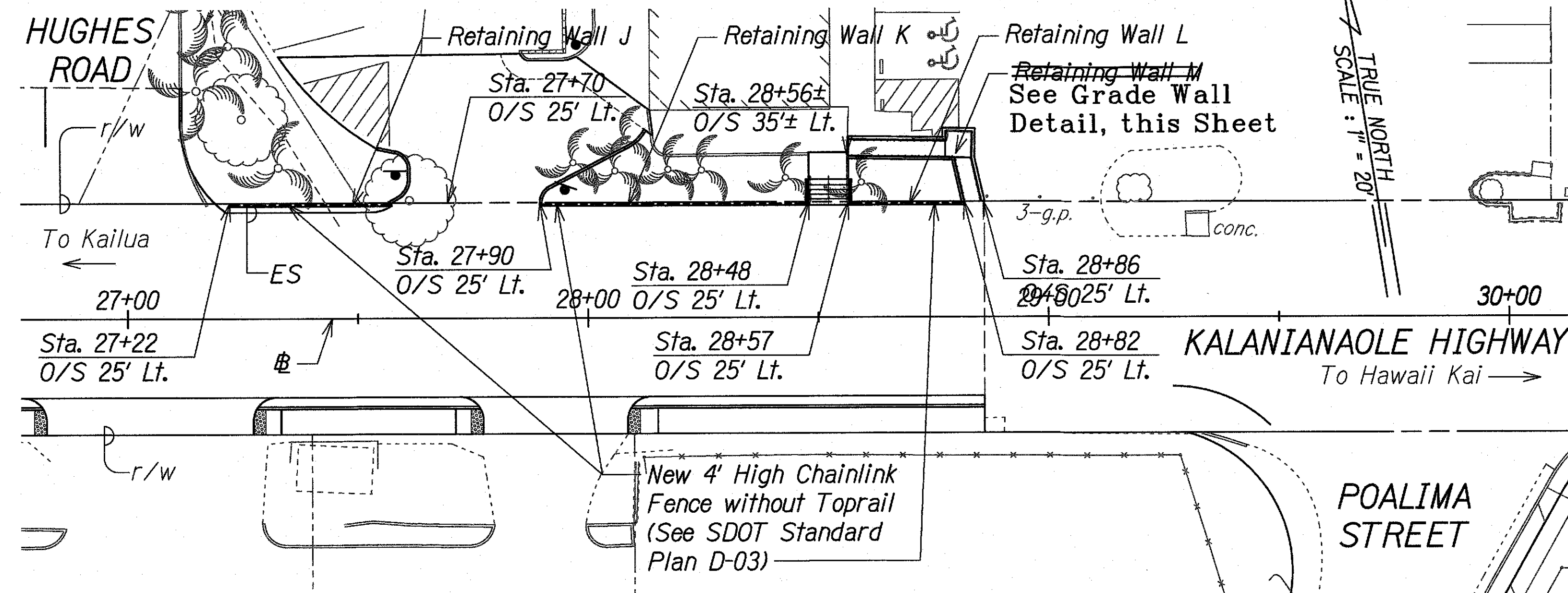
**RETAINING WALL I
PLAN AND PROFILE**

KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1
Olomana Golf Course To Vicinity of Poalima St.
Federal Aid Project No. NH-072-1(53)

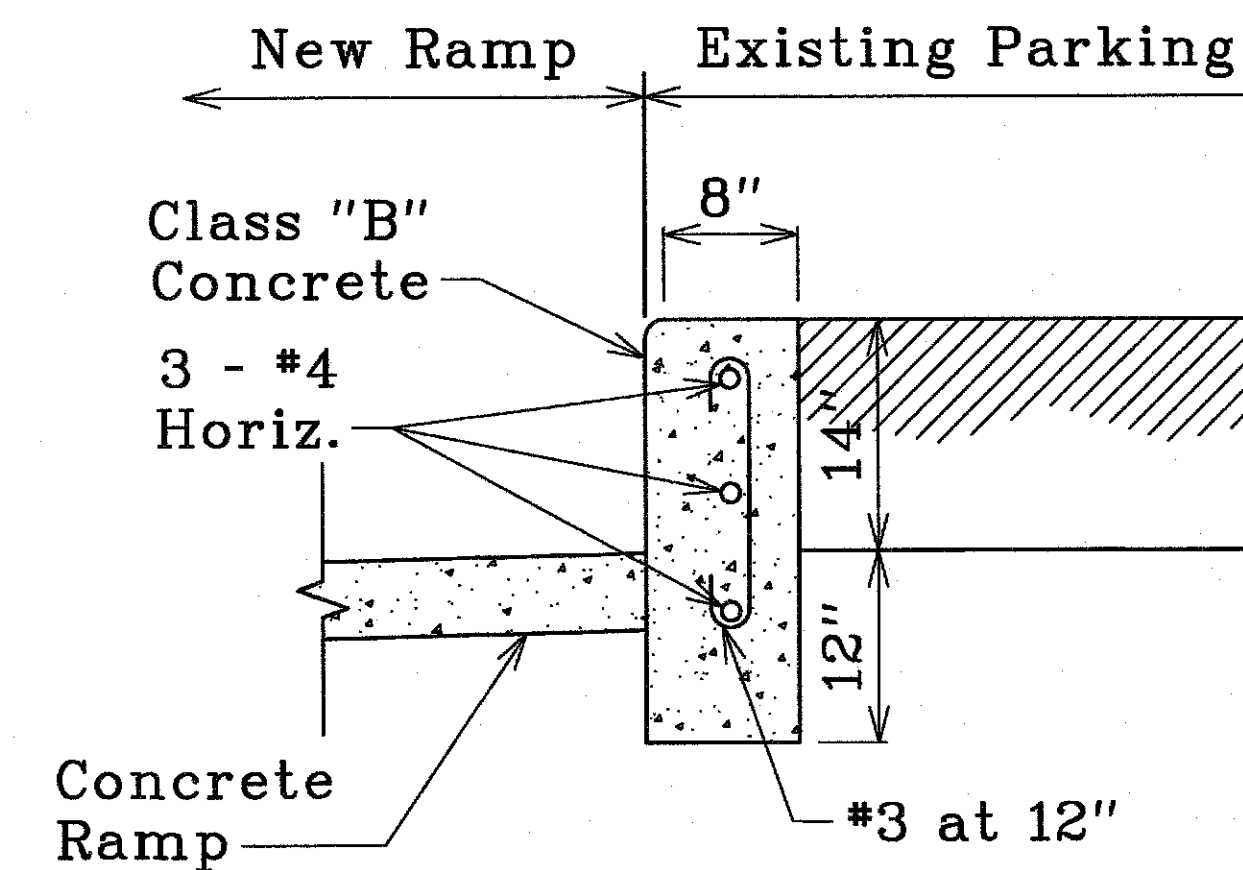
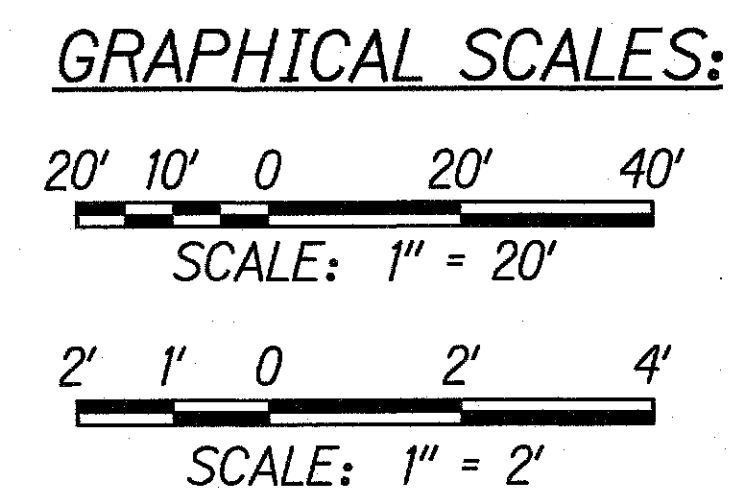
Scale: AS NOTED Date: July, 2015

SHEET No. S06 OF 9 SHEETS

2. For reinforcements and other wall details,
See Structural Plans S08 to S09.

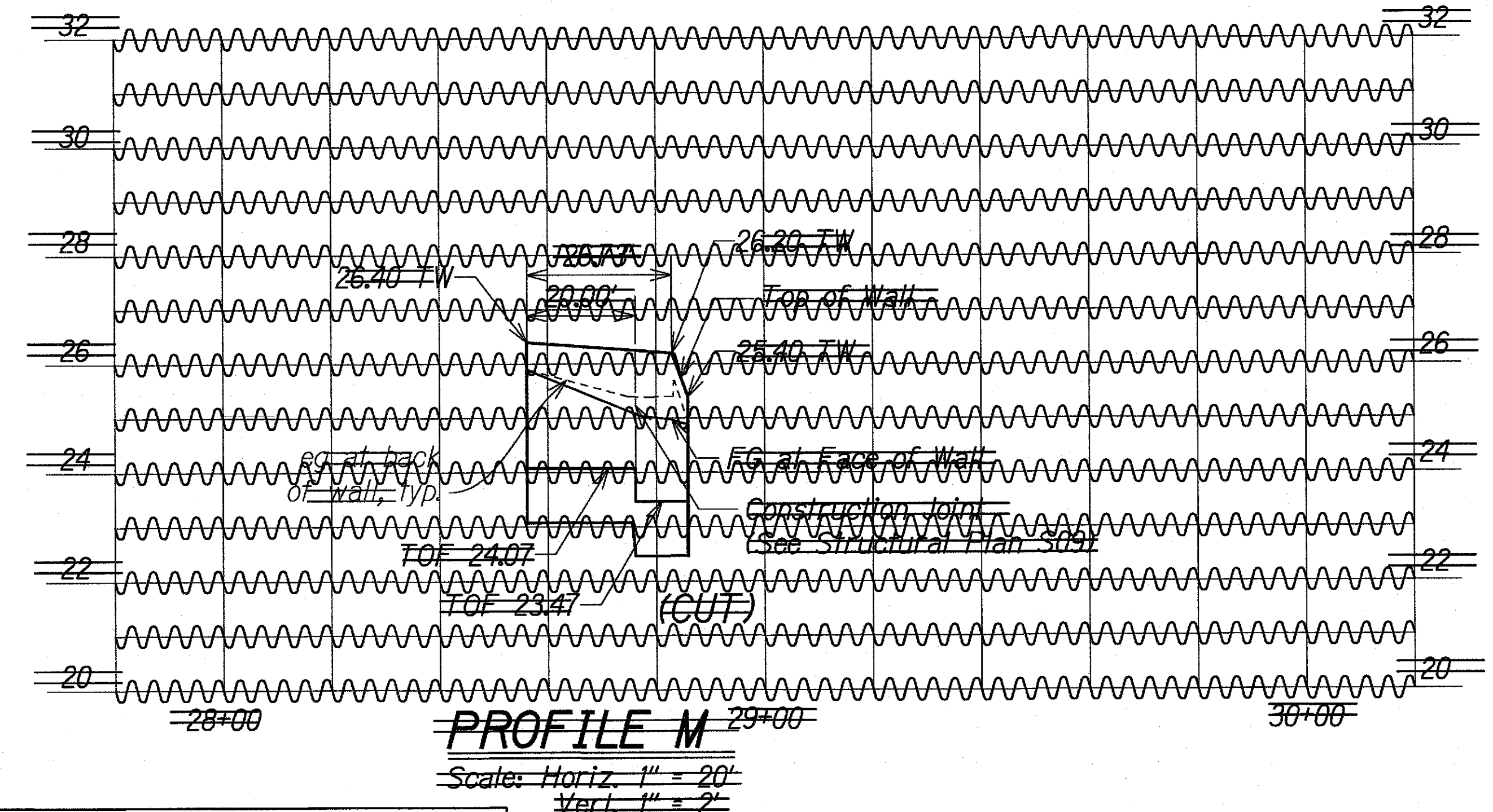
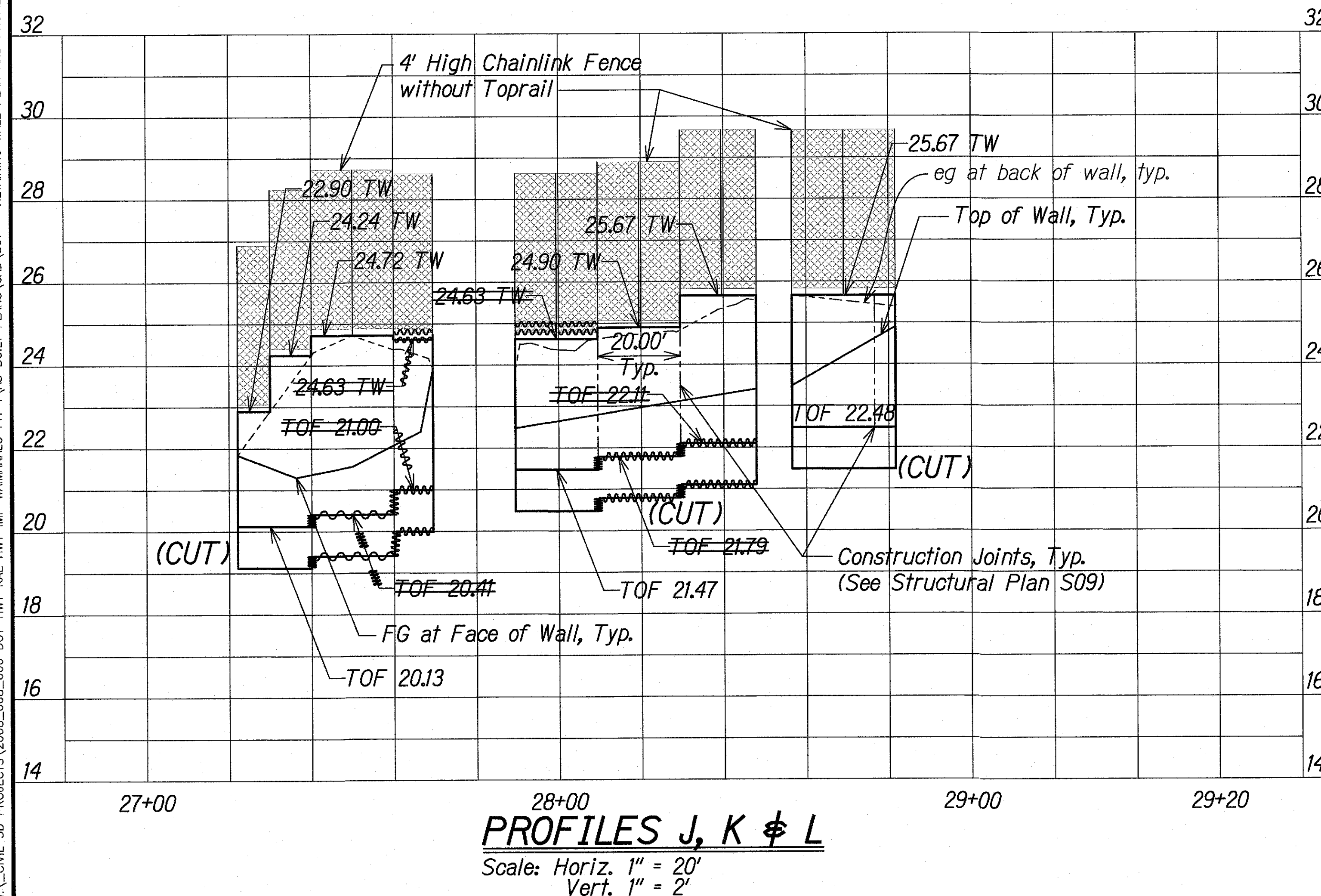


PLAN
SCALE: 1" = 20'



GRADE WALL DETAIL

SCALE: NOT TO SCALE



LEGEND FOR AS-BUILT POSTINGS

~~~~~	Squiggly line for as-built deletion
<del>100.00</del>	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**RETAINING WALL J, K, L & M**  
**PLAN AND PROFILE**

**KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1**  
**Olomana Golf Course To Vicinity of Poalima St.**  
**Federal Aid Project No. NH-072-1(53)**

Scale: AS NOTED      Date: March, 2019

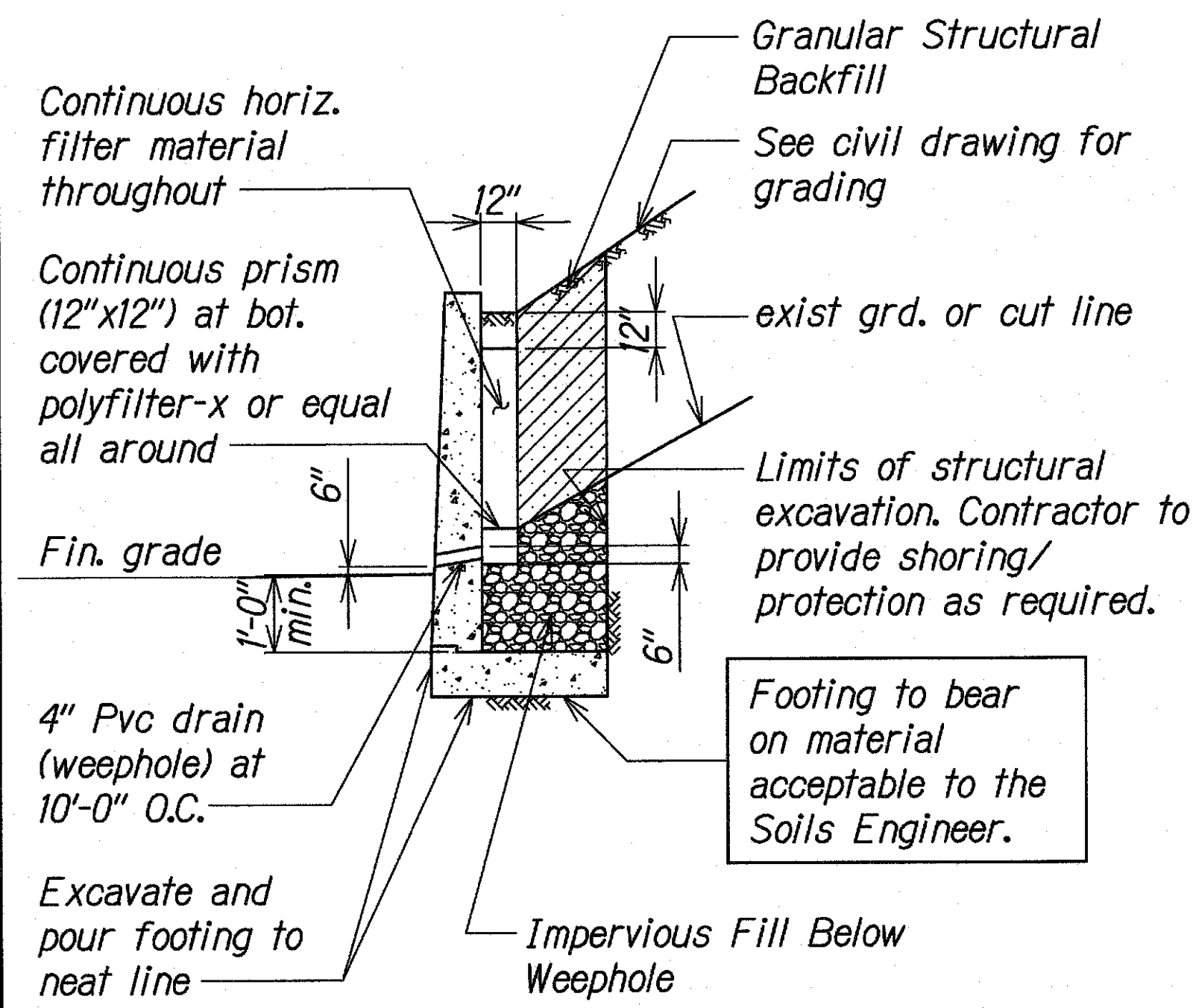
SHEET No. **S07** OF 9 SHEETS





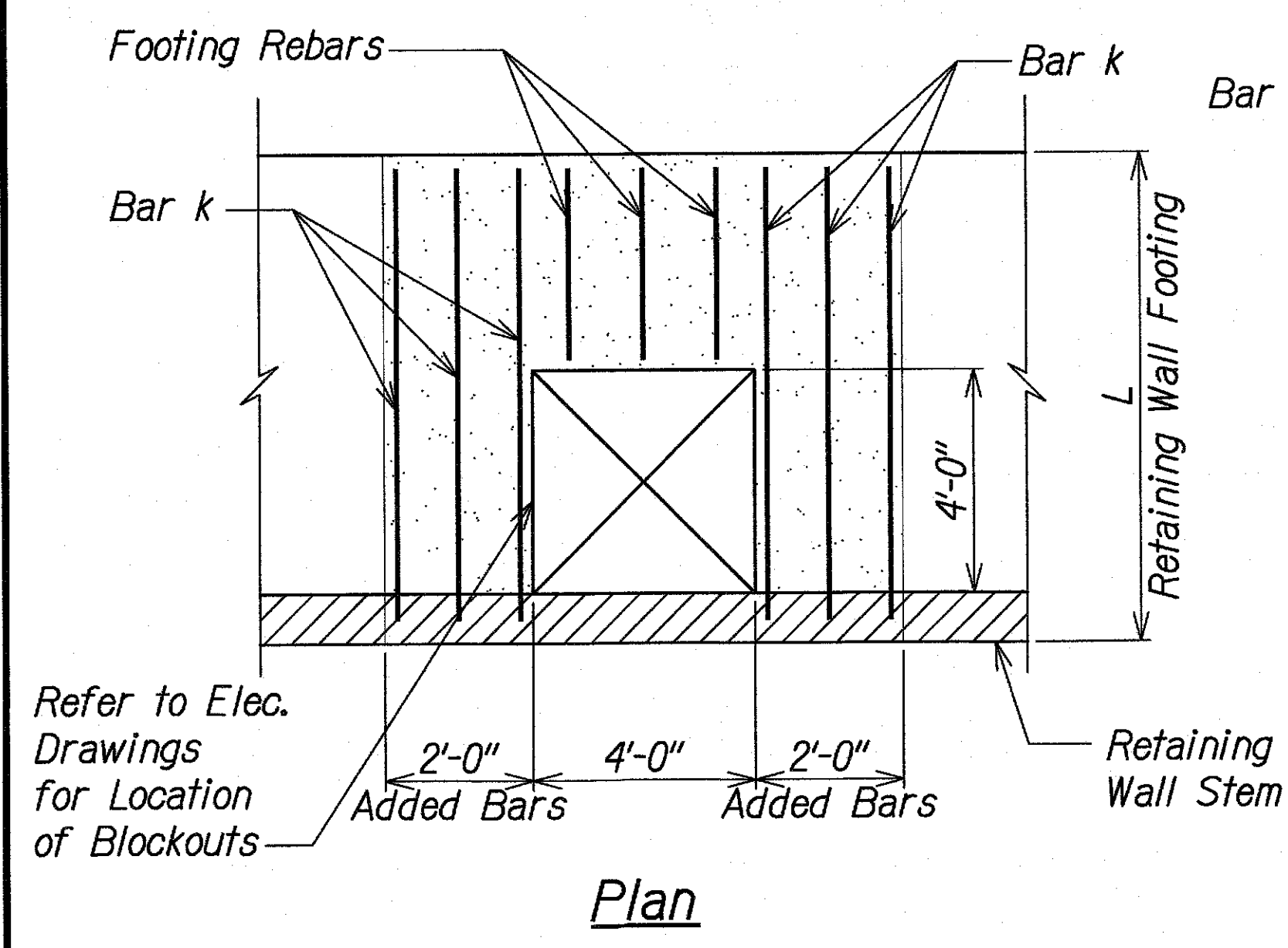


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	ADD. 107	117

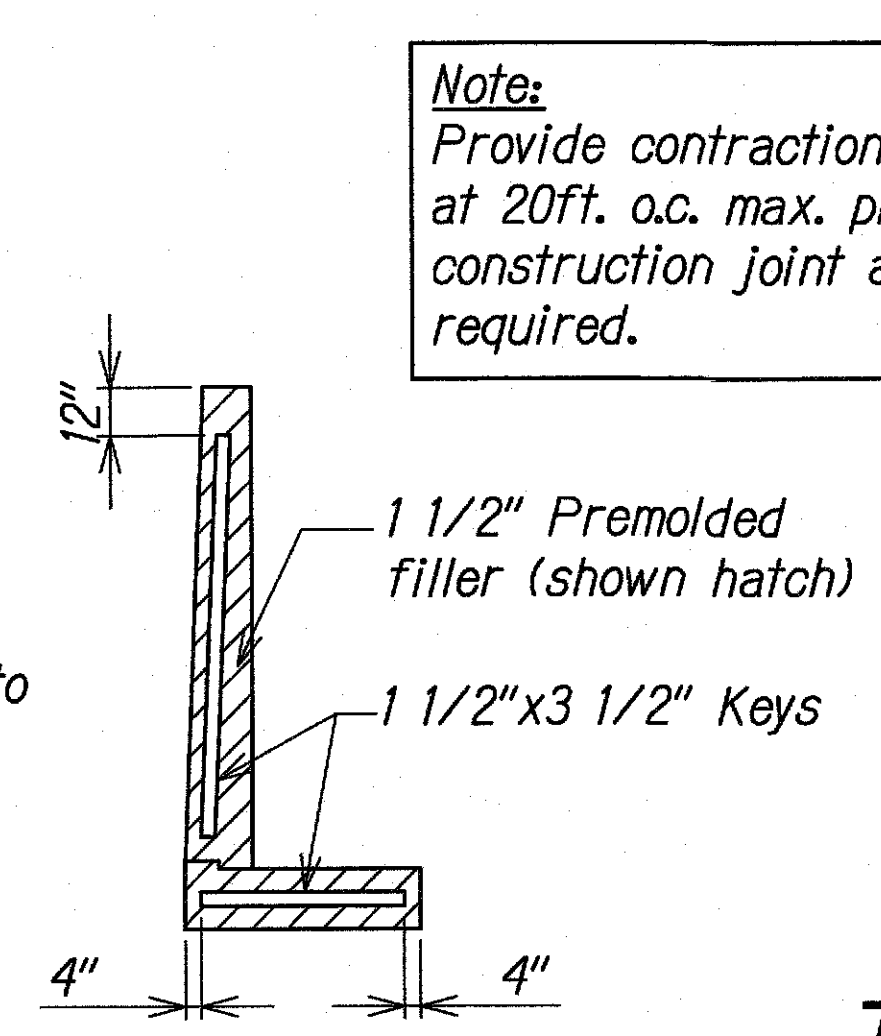


**STRUCTURAL EXCAVATION DRAINAGE AND STRUCTURAL BACKFILL DETAIL**  
NOT TO SCALE

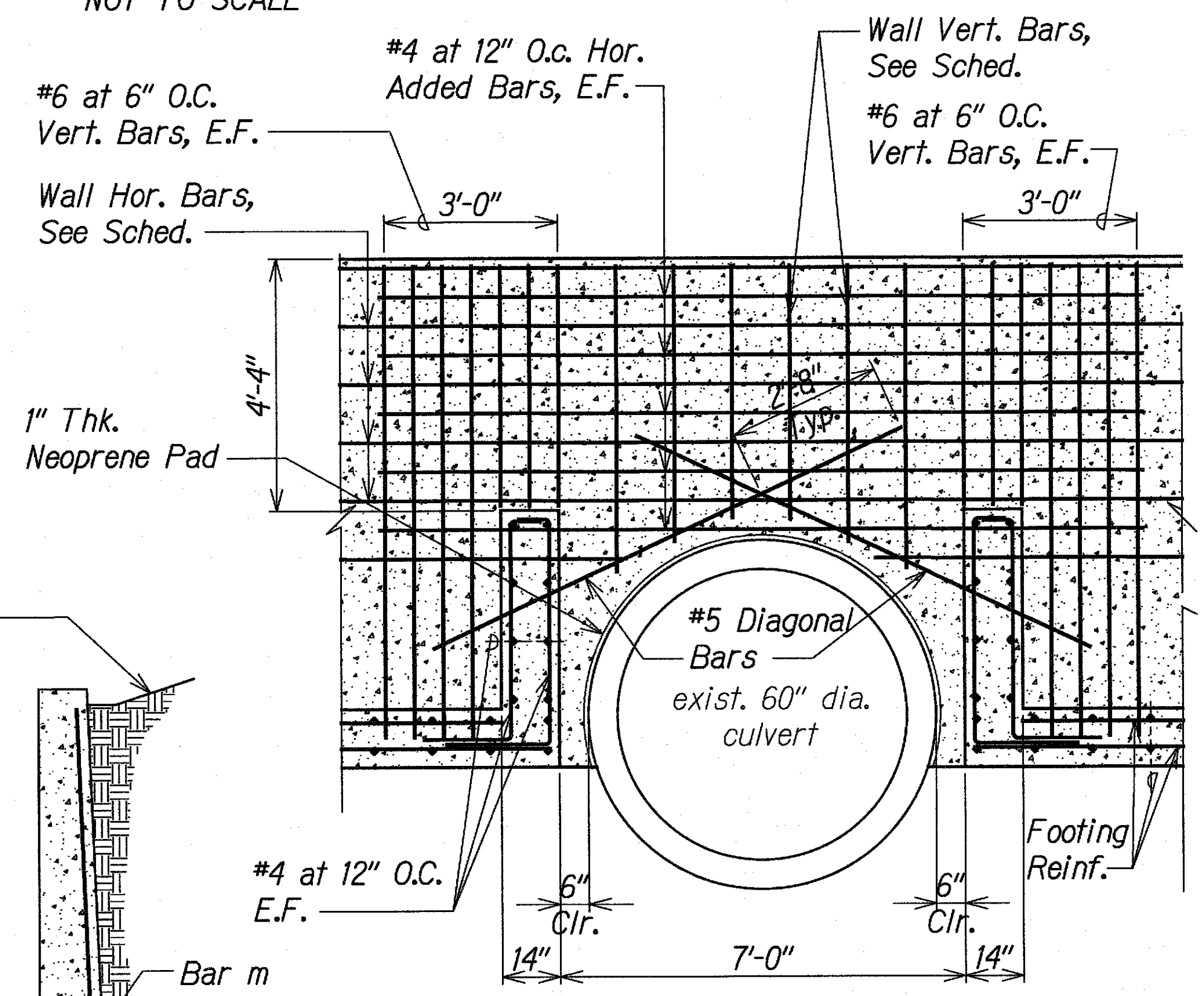
ADDED REINFORCING SCHEDULE			
Bar Designation	Cut Wall	Fill Wall	
	H4	H4	H6
m	#4 AT 12"	#4 AT 12"	#4 AT 12"
k	#4 AT 12"	#4 AT 12"	#4 AT 12"



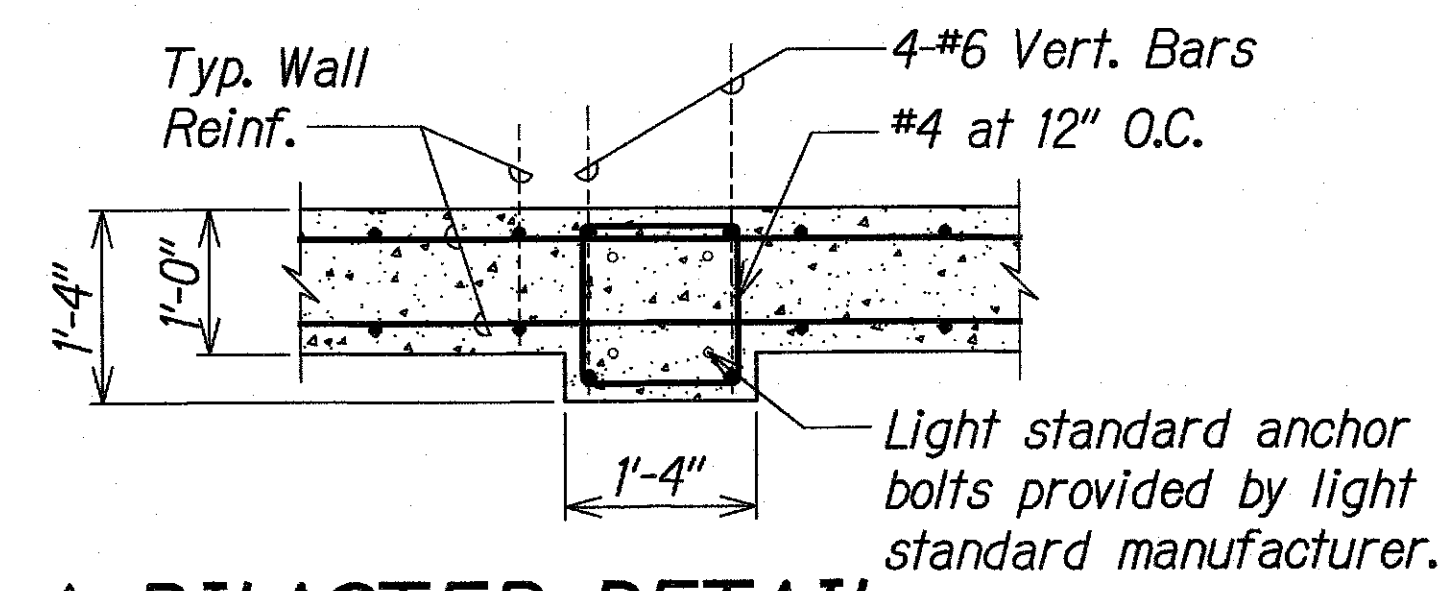
**TYPICAL RETAINING WALL CONDITION AT LIGHT POLE FOOTING DETAIL**  
NOT TO SCALE



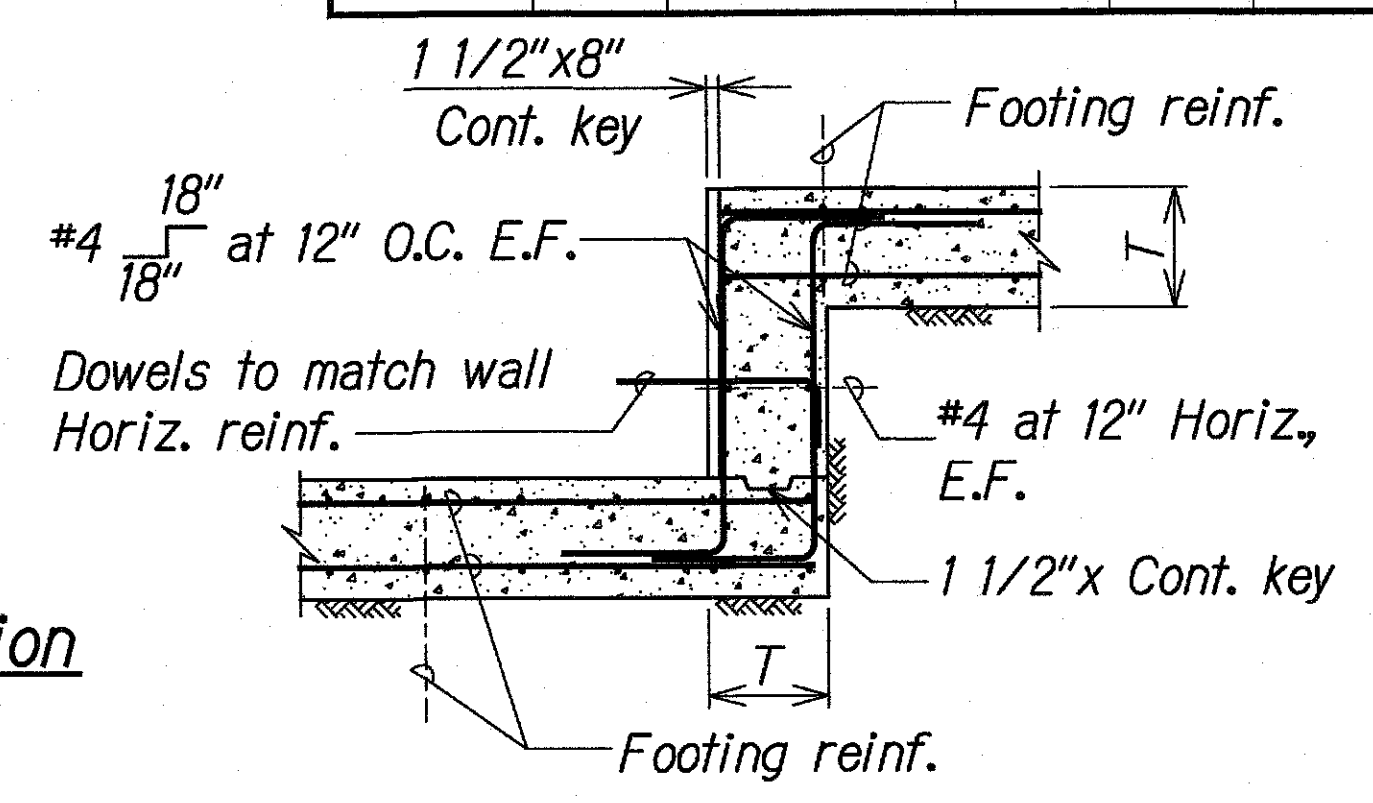
**TYPICAL CONTRACTION/CONSTRUCTION JOINT DETAIL**  
NOT TO SCALE



**WALL REINFORCEMENT DETAIL AT EXISTING 60" DIAMETER CULVERT**  
NOT TO SCALE



**PILASTER DETAIL AT TYPE 1 SIGNAL STD.**  
NOT TO SCALE



**STEP FOOTING DETAIL**  
NOT TO SCALE

- General Construction Notes:**
- See standard specifications and special provisions.
  - All items noted incidental will not be paid for separately.
  - Standard detail drawings refer to all structures in general, except for modifications as may be required for special conditions. For such modifications, refer to the corresponding detailed drawings.
  - The Contractor shall comply with all construction permits for this project. In addition, The Contractor shall comply with all applicable laws of the federal, State and County Governments.
  - Unless otherwise noted, All vertical dimensions are measured plumb.
  - The Contractor shall verify all site conditions before commencing with work.
  - The Contractor shall verify the location of all underground utility lines and notify the respective owners before commencing the work of excavation.
  - For concrete finish, See standard specifications.
  - Unless otherwise noted, All exposed concrete edges shall be chamfered 3/4" x 3/4".

9/1/16	Added Pilaster Detail at Type 1 Signal Std.
10/23/15	Revised Structural Excavation Drainage and Backfill Detail
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>RETAINING WALL DETAILS</b> KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1 Olomana Golf Course To Vicinity of Poalima St. Federal Aid Project No. NH-072-1(53) Scale: AS NOTED Date: Aug., 2016 SHEET No. 509 OF 9 SHEETS	