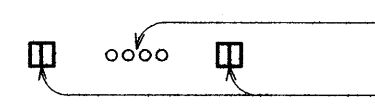
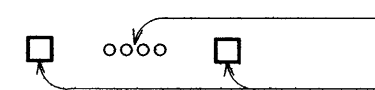


I:\CAO\Stuart\Kd\_Hwy\Notes.dgn

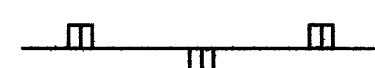
### LEGEND:



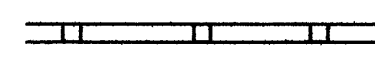
4 each Type A Raised Pavement Markers  
Type C Raised Pavement Markers @ 40'-0" o.c.



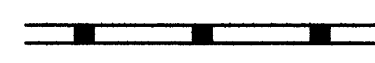
4 each Type J Raised Pavement Markers  
Type D Raised Pavement Markers @ 40'-0" o.c.



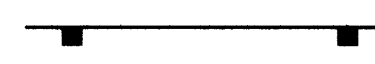
8" White Stripe with Type C Raised Pavement  
Markers @ 20'-0" o.c. (Tape, Type I or  
Thermoplastic Extrusion)



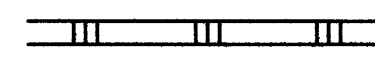
4" Double Solid Yellow with Type D  
Raised Pavement Markers @ 20'-0" o.c.  
(Tape, Type I or Thermoplastic Extrusion)



4" Double Solid Yellow Stripes with Type H  
Raised Pavement Markers @ 20'-0" o.c.  
(Tape, Type II or Thermoplastic Extrusion)



4" Yellow Edge Stripe with Type H Raised  
Pavement Markers @ 40'-0" o.c.  
(Tape, Type II or Thermoplastic Extrusion)



4" Double Solid White Stripes with Type C  
Raised Pavement Markers @ 20'-0" o.c.  
(Tape, Type I or Thermoplastic Extrusion)



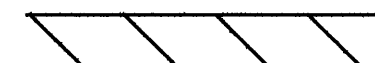
Lane Change Restriction Marking  
4 each Type A Raised Pavement Markers  
Type C Raised Pavement Markers @ 20'-0" o.c.  
4" White Stripe (Tape, Type I or Thermoplastic  
Extrusion)



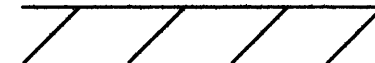
4" or 8" White Edge Stripe with Type C Raised  
Pavement Markers @ 40'-0" o.c. (Tape, Type II or  
Thermoplastic Extrusion)



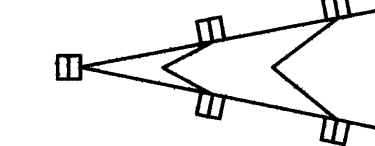
4" White Guide Lines (Tape, Type III or  
Thermoplastic Extrusion except for bus bays)



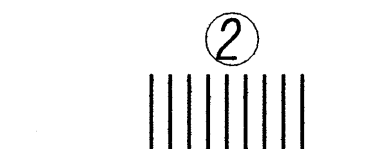
Transverse Median Marking (Tape, Type II or  
Thermoplastic Extrusion)



Transverse Shoulder Marking (Tape, Type II or  
Thermoplastic Extrusion)



Channelizing Island or Deceleration Lane Gore  
(Tape, Type II or Thermoplastic Extrusion)



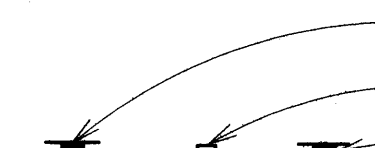
Crosswalk and Stop Line. All Stop Lines  
shall be 10'-0" from Crosswalk unless  
otherwise noted. The circled number  
indicates the number of lanes for payment  
(Tape, Type III or Thermoplastic Extrusion)



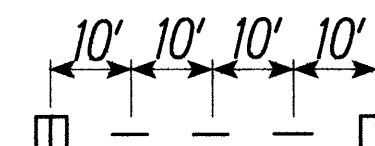
Pavement Arrow (Tape, Type III or Thermoplastic  
Extrusion)



Pavement Word (Tape, Type III or Thermoplastic  
Extrusion)



4 Each Type J Raised Pavement Markers  
Type D Raised Pavement Markers @ 40'-0" o.c.  
Type H Raised Pavement Markers (Reflective  
Surface facing no-passing direction)  
4" Single Solid Yellow Stripe (Tape, Type I or  
Thermoplastic Extrusion)



Extension of Edge Line, 4" Wide x 2'-0" Long White  
Stripe @ 10'-0" o.c. w/Type C Markers @ 40'-0" o.c.  
(Tape, Type III or Thermoplastic Extrusion)

### REFLECTOR MARKER LEGEND:

||— Reflector Marker (RM-2, White) w/Post

|||— Reflector Marker (RM-3) w/Post

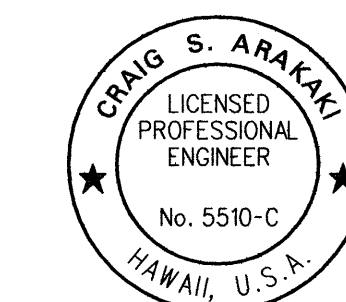
|||— Reflector Marker (RM-4, (L) or (R)) w/Post

### NOTES

- Layout of pavement markings and striping shall be done by the Contractor and accepted by the Engineer prior to any installation work.
- Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement marking items.
- Raised pavement markers shall not be installed within crosswalks.
- Final locations of all signs shall be approved by the Engineer prior to any installation work.
- Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
- Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
- All pavement striping shall be as noted on the legend or plans.
- All preformed pavement marking tapes over existing pavement shall be applied with an accepted primer as recommended by the tape manufacturer. The primer shall be allowed to dry to the tacky stage prior to tape application.
- The Contractor shall erect at the beginning of the project at the end of the project advance construction warning signs as indicated on the plans or as directed by the Engineer. The signs shall be kept in place for the duration of the project and shall be maintained by the Contractor. These signs shall be placed in addition to the required traffic control signs called for in Section 645-Work Zone Traffic Control. The advance construction warning signs shall be new and become the property of the State. The Contractor shall remove, clean, and deliver the signs and posts to the Kauai District Baseyard or as directed by the Engineer of the project.
- Existing signs that are to be replaced shall not be removed until new signs are installed as replacements, or the messages are no longer necessary.
- Backing for all new regulatory and warning signs shall not be spliced.
- All sign panels shall conform to Section 621 of the Special Provisions and the latest editions and amendments of the following FHWA publications:
  - "Manual On Uniform Traffic Control Devices For Streets and Highway (MUTCD)
  - "Standard Highway Signs"
  - "Standard Alphabets For Highway Signs"
- State Route Marker Symbols, borders, messages, arrows, symbols and shields shall conform to details as shown on the plans and as specified in the MUTCD.
- All new and relocated signs and markers installed on pipe posts, light standard or expressway sign post are to be mounted with band brackets and steel braces.
- Removal of existing delineators and posts shall be considered incidental to the various signing items.
- All Reflector Markers (RM-2) not protected by a vehicular barrier shall be mounted on a flexible delineator post unless otherwise directed by the Engineer.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-03-96	2009	22	27

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
QUANTITIES BY	DESIGNED BY	
AN	MADE/REVISION	



LICENSE EXP. DATE 04-30-10  
THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION AND  
CONSTRUCTION OF THIS PROJECT  
WILL BE UNDER MY OBSERVATION  
AS DEFINED IN H.A.R. TITLE 16,  
CHAPTER 115, RULES OF THE BOARD OF  
PROFESSIONAL ENGINEERS, ARCHITECTS  
AND SURVEYORS, STATE OF HAWAII.  
*Craig S. Arakaki*

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>PAVEMENT MARKING LEGEND, DETAILS &amp; NOTES</b> KUHIO HIGHWAY Retaining Walls At Lumahai And Wainiha Project No. 560A-03-96 Scale: None Date: August 2009 SHEET No. 22 OF 6 SHEETS
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FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-03-96	2009	C.O. 23	27

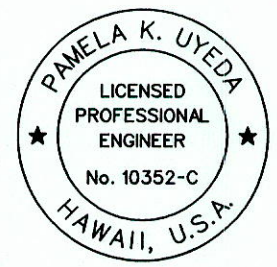
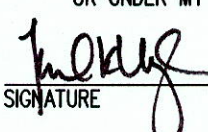
NOTES FOR TRAFFIC CONTROL:

1. The Contractor shall make minor adjustments to fit field conditions.
2. Cones or delineators shall be extended to a point where they are visible to approaching traffic.
3. Traffic control devices shall be installed such that the sign or device farthest from the work area shall be placed first. The others shall then be placed progressively toward the work area.
4. Flaggers and/or police officers shall be in sight of each other or in direct communication at all times.
5. All signs shall be promptly removed or covered whenever the message is not applicable or not in use.
6. At the end of each day's work or as soon as the work is completed, the Contractor shall remove all traffic control devices no longer needed to permit free and safe passage of public traffic. Removal shall be in the reverse order of installation.
7. Replace permanent pavement markings and traffic signs that are missing, damaged, or have been removed upon completion of each phase of work.
8. All temporarily striped traffic lanes shall be a minimum of 9 feet wide.
9. The Contractor will be restricted to the following lane closure hours:  
One lane closure: 8:30 am to 3:30 pm  
One lane closure or full road closure: 9:30 pm to 4:30 am \*

\*The Contractor will only be allowed to work nighttime hours between January and July. Nighttime work between August and December is prohibited.

ORIGINAL PLAN NOTE BOOK	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
	CHECKED BY	

4/26/11	3 Added Sheet
Date	Revision

 <small>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.</small>  <small>SIGNATURE</small> <small>04/30/12 EXPIRATION DATE OF THE LICENSE</small>	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION  <b>TRAFFIC CONTROL NOTES</b>  KUHIO HIGHWAY Retaining Walls at Lumahai and Wainiha Project No. 560A-03-96 Scale: None Date: June 15, 2011
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SHEET No.C21 OF 5 SHEETS

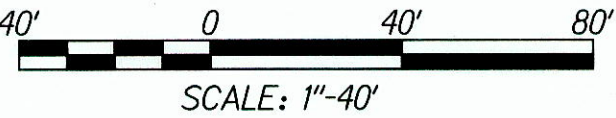
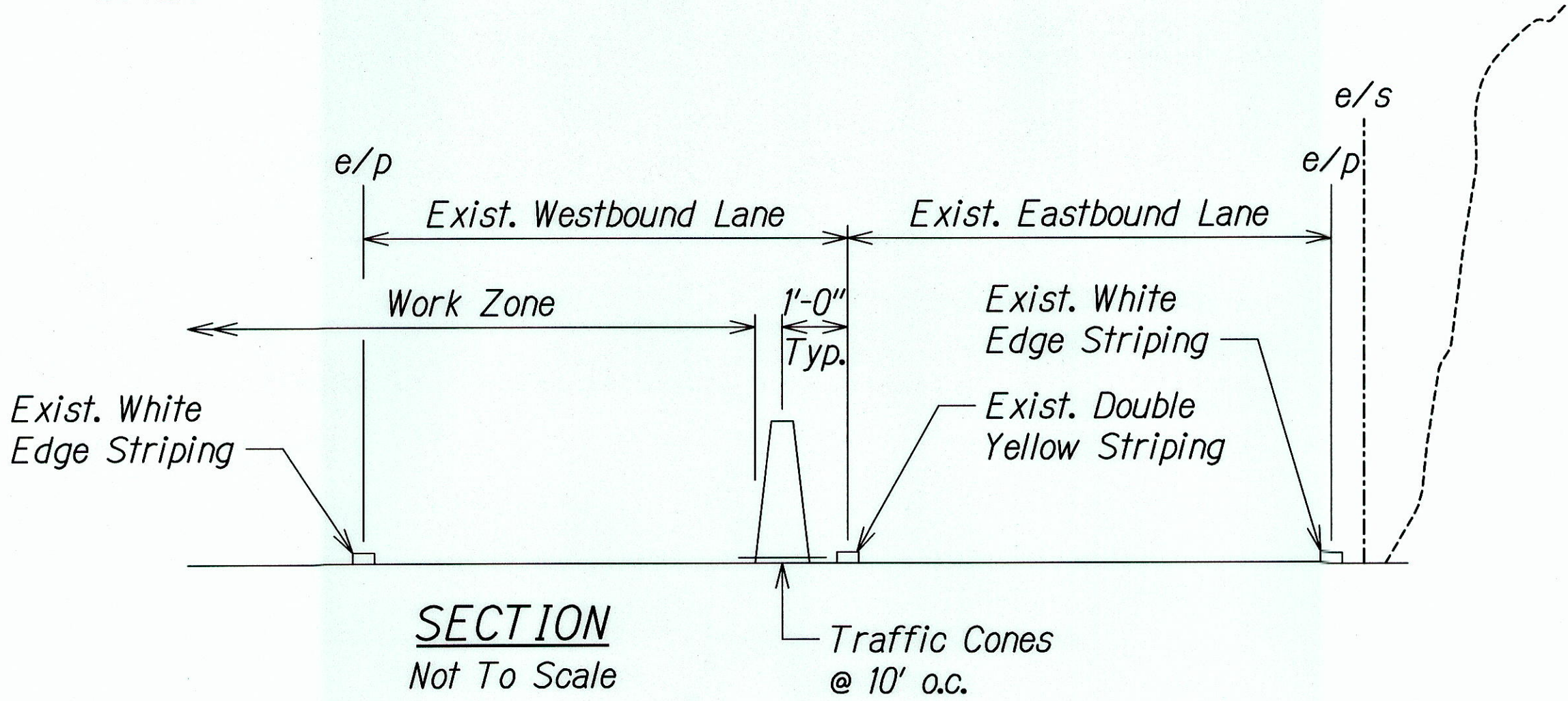
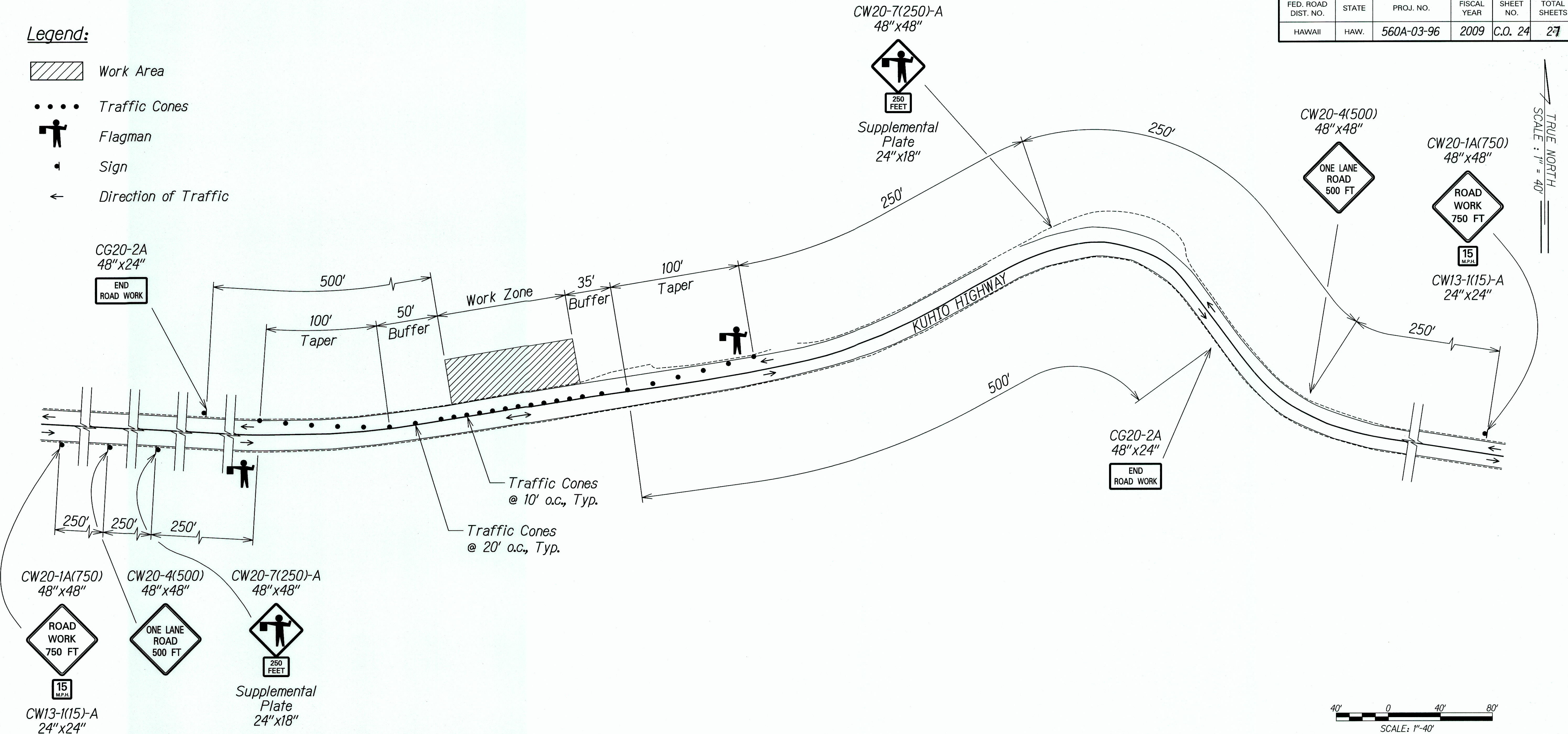
"AS-BUILT"

C.O. 23



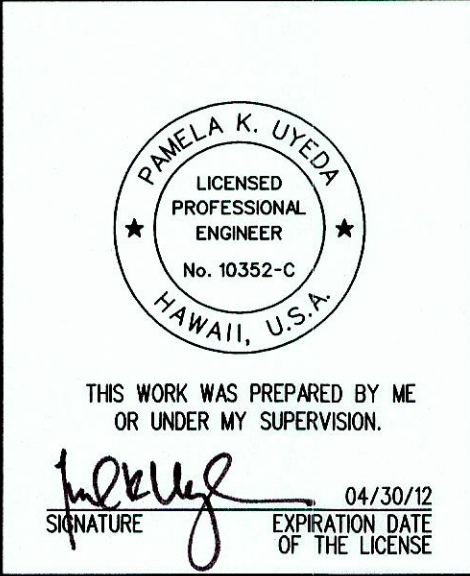
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-03-96	2009	C.O. 24	27

- Legend:**
- Work Area
  - Traffic Cones
  - Flagman
  - Sign
  - Direction of Traffic



DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
NO.	_____

4/26/11	Deleted Notes
Date	Revision
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>TRAFFIC CONTROL PLAN</b> <b>SITE 1</b> <b>KUHIO HIGHWAY</b> <b>Retaining Walls at Lumahai and Wainiha</b> <b>Project No. 560A-03-96</b> <b>Scale: 1"=40'</b> <b>Date: June 15, 2011</b>	
SHEET No. C22 OF 5 SHEETS	










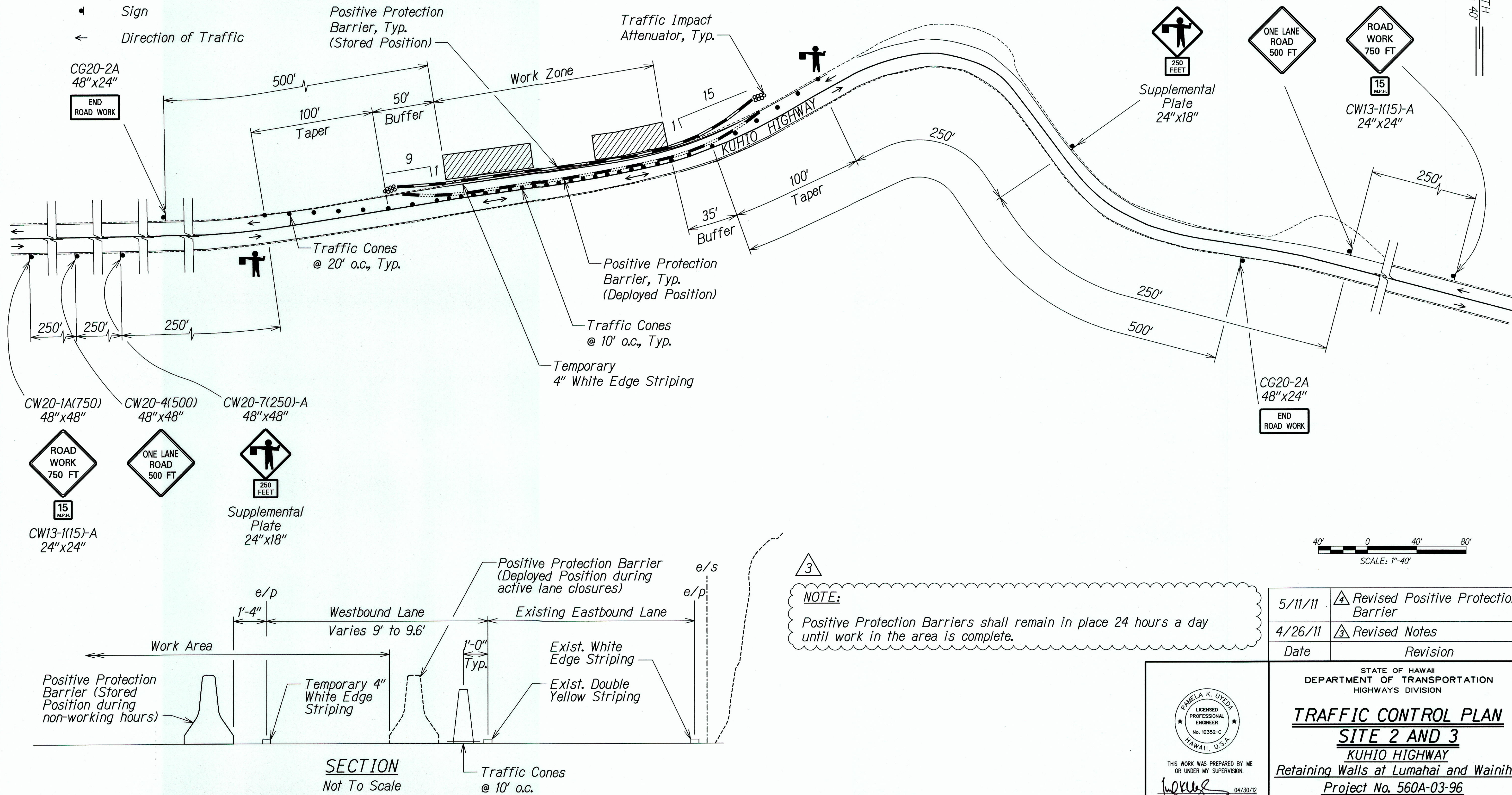
"AS-BUILT"



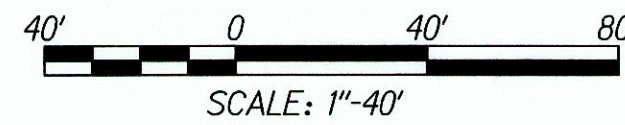
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-03-96	2009	C.O. 25	27

**Legend:**

-  Work Area
-  Traffic Cones
-  Traffic Impact Attenuator
-  Positive Protection Barrier
-  Flagman
-  Sign
-  Direction of Traffic

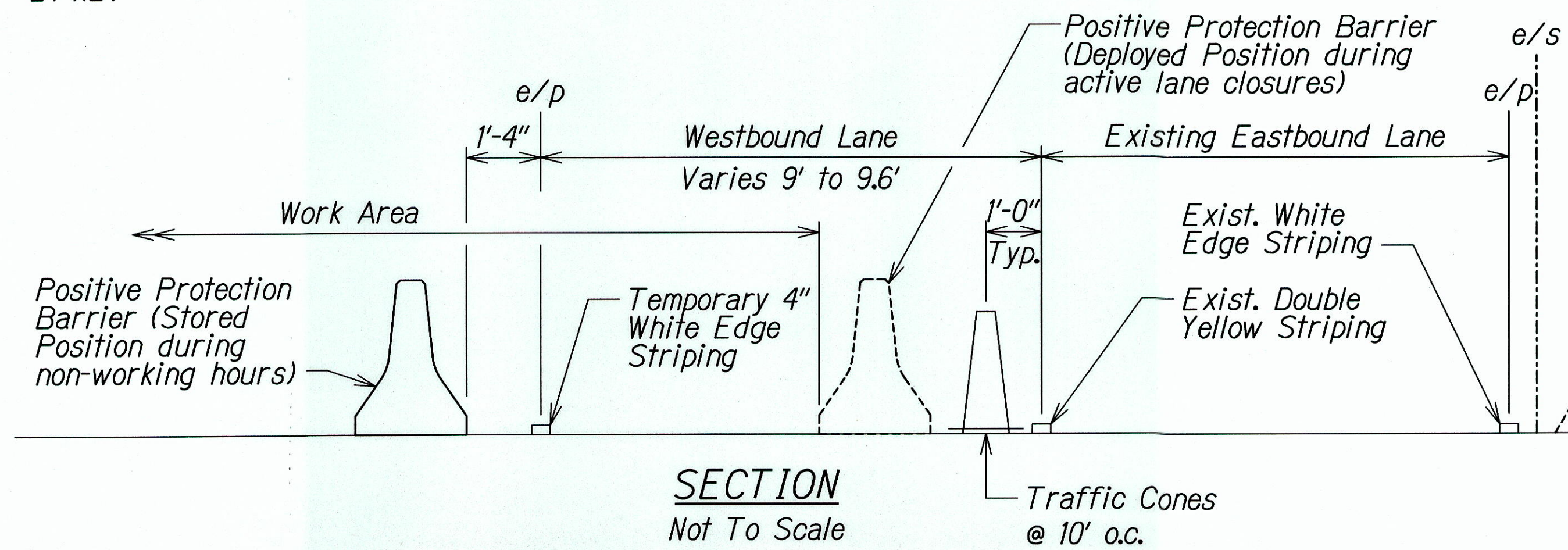


TRUE NORTH  
SCALE: 1" = 40'



3

**NOTE:**  
Positive Protection Barriers shall remain in place 24 hours a day until work in the area is complete.



**SECTION**  
Not To Scale

5/11/11	Revised Positive Protection Barrier
4/26/11	Revised Notes
Date	Revision

PAMELA K. UYEDA  
LICENSED PROFESSIONAL ENGINEER  
No. 10352-C  
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
SIGNATURE: *[Signature]* EXPIRATION DATE OF THE LICENSE: 04/30/12

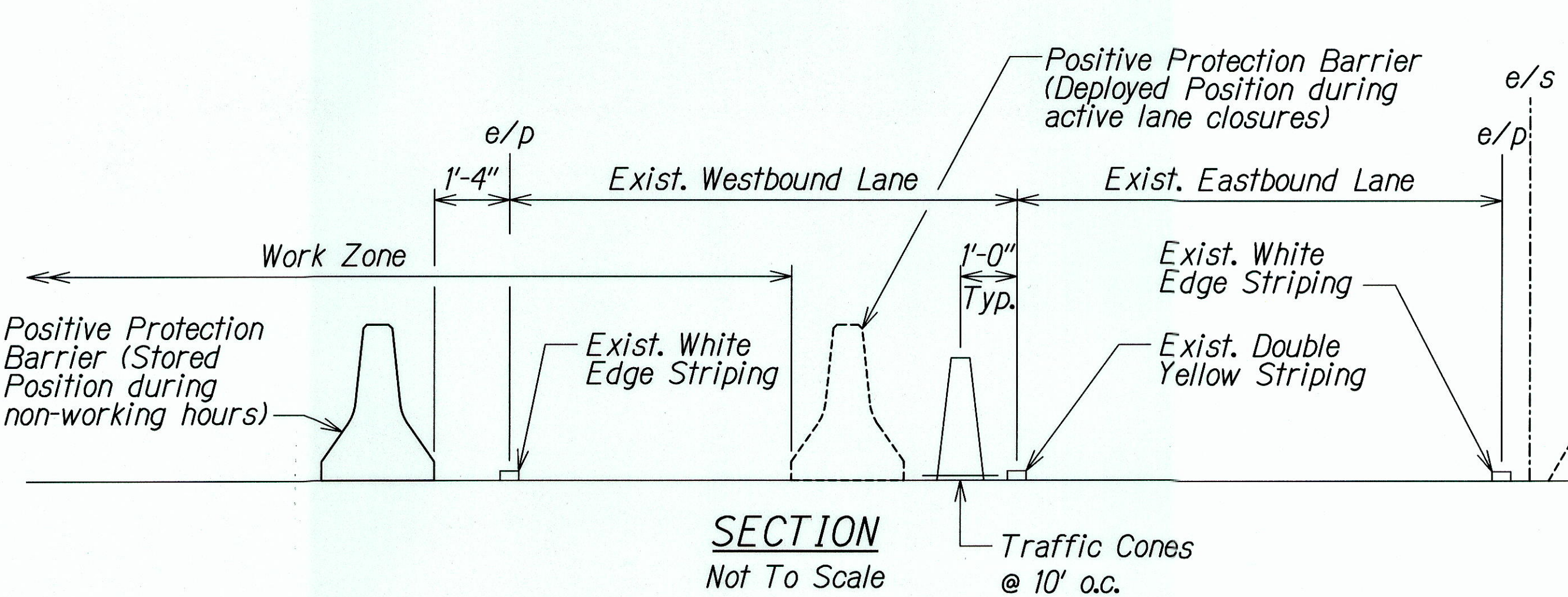
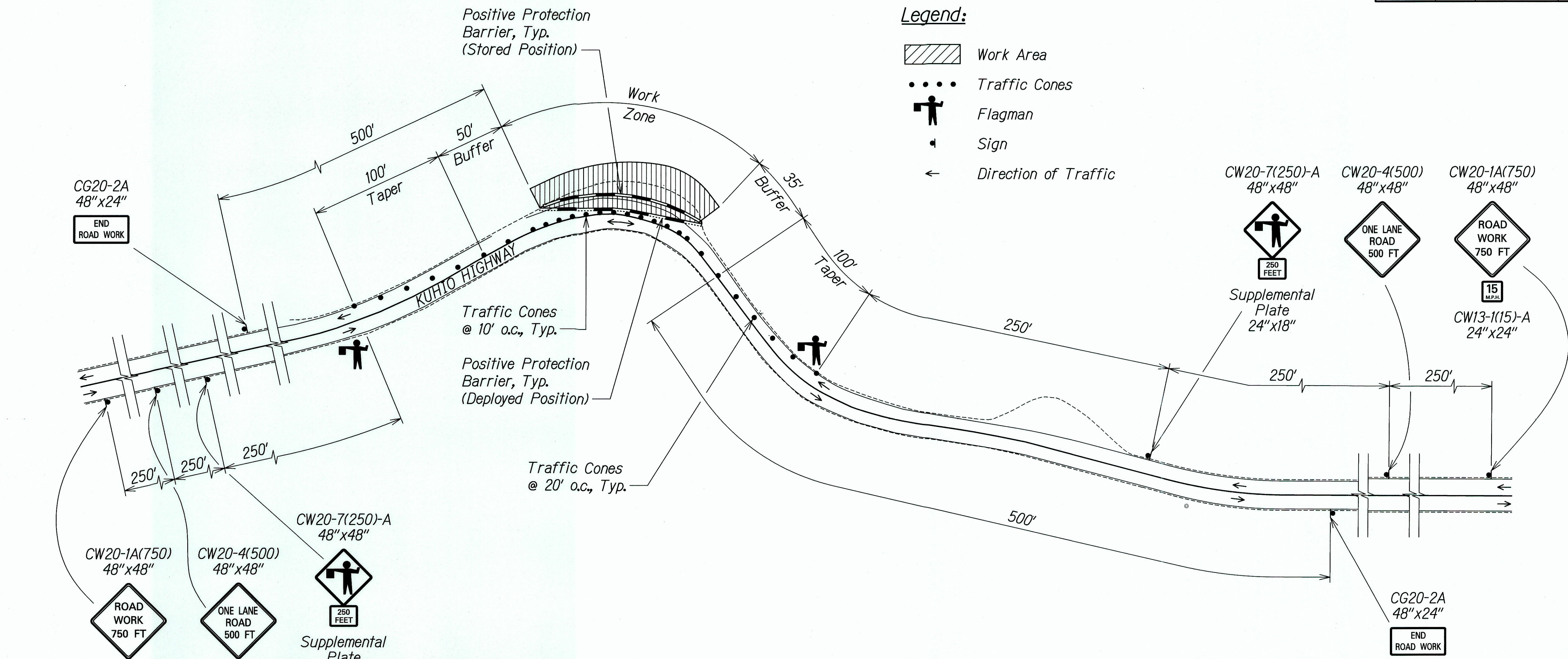
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC CONTROL PLAN**  
**SITE 2 AND 3**  
**KUHIO HIGHWAY**  
Retaining Walls at Lumahai and Wainiha  
Project No. 560A-03-96  
Scale: 1"=40' Date: June 15, 2011

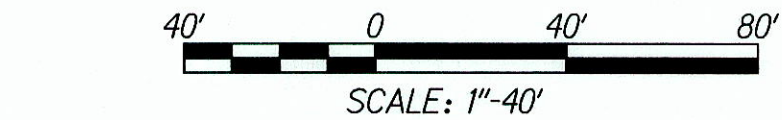
ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
DATE	



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-03-96	2009	C.O. 26	27



**NOTE:**  
Positive Protection Barriers shall remain in place 24 hours a day until work in the area is complete.



5/11/11	Revised Positive Protection Barrier
4/26/11	Revised Notes
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*Pamela K. Uyeda*

SIGNATURE      04/30/12  
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC CONTROL PLAN**  
**SITE 4**  
**KUHIO HIGHWAY**  
**Retaining Walls at Lumahai and Wainiha**  
**Project No. 560A-03-96**  
**Scale: 1"=40'      Date: June 15, 2011**

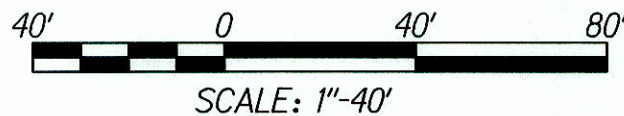
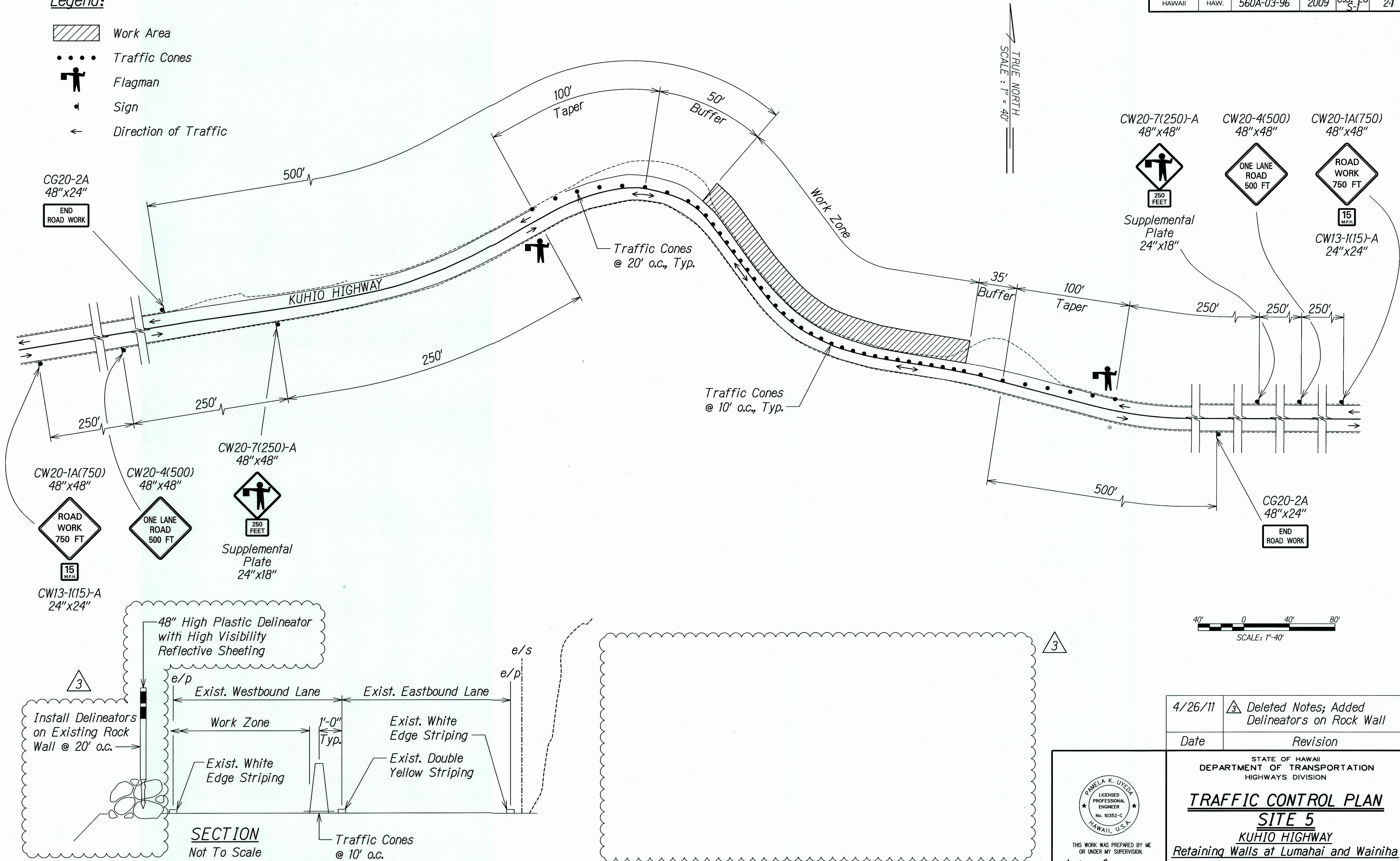
SHEET No. C2.4 OF 5 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	
	IN CHARGE	



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-03-96	2009	C.O. 26S-1	27

- Legend:**
- Work Area
  - Traffic Cones
  - Flagman
  - Sign
  - Direction of Traffic



4/26/11	3 Deleted Notes; Added Delineators on Rock Wall
Date	Revision

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*[Signature]*

04/30/12  
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC CONTROL PLAN**

**SITE 5**

**KUHIO HIGHWAY**

**Retaining Walls at Lumahai and Wainiha**

Project No. 560A-03-96

Scale: 1"=40'      Date: June 15, 2011

SHEET No. C2.5 OF 5 SHEETS

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

"AS-BUILT"

C.O. 26S-1



