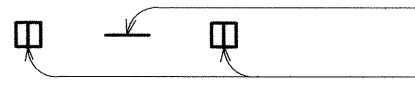
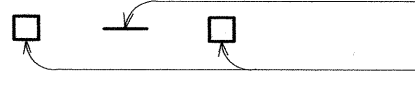
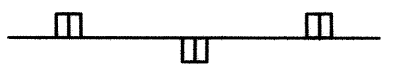
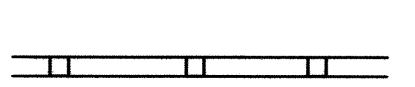



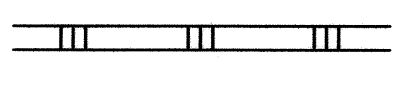

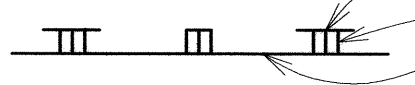



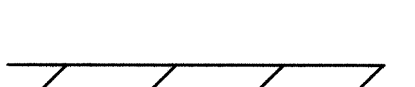







FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	83C-01-06	2008	15	42

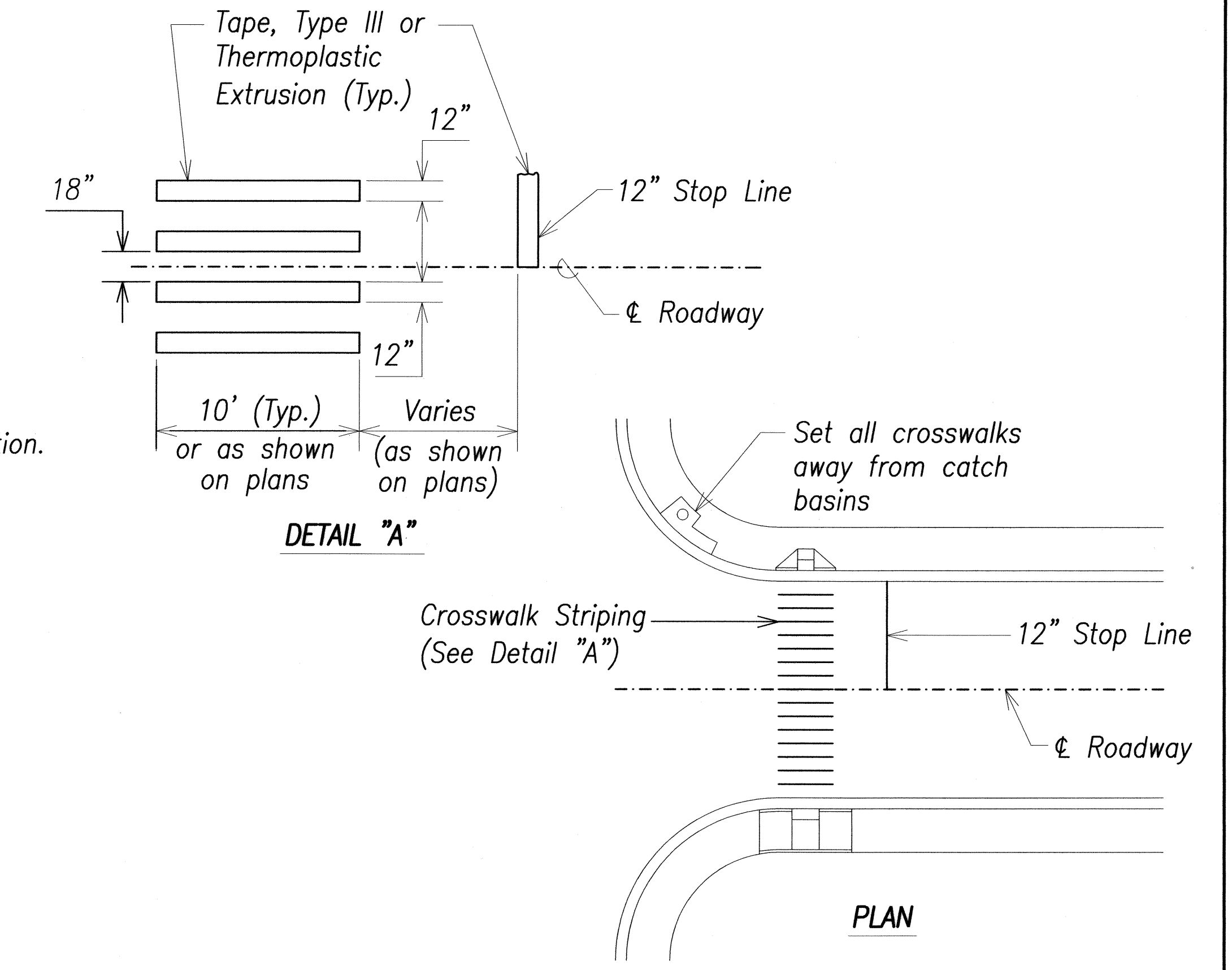
**LEGEND:**

-  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)
-  12" Yellow 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)
-  Pavement Arrow (Tape, Type III or Thermoplastic Extrusion)
-  12" White Line (Tape, Type III or Thermoplastic Extrusion)
-  STOP 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)

**NOTES:**

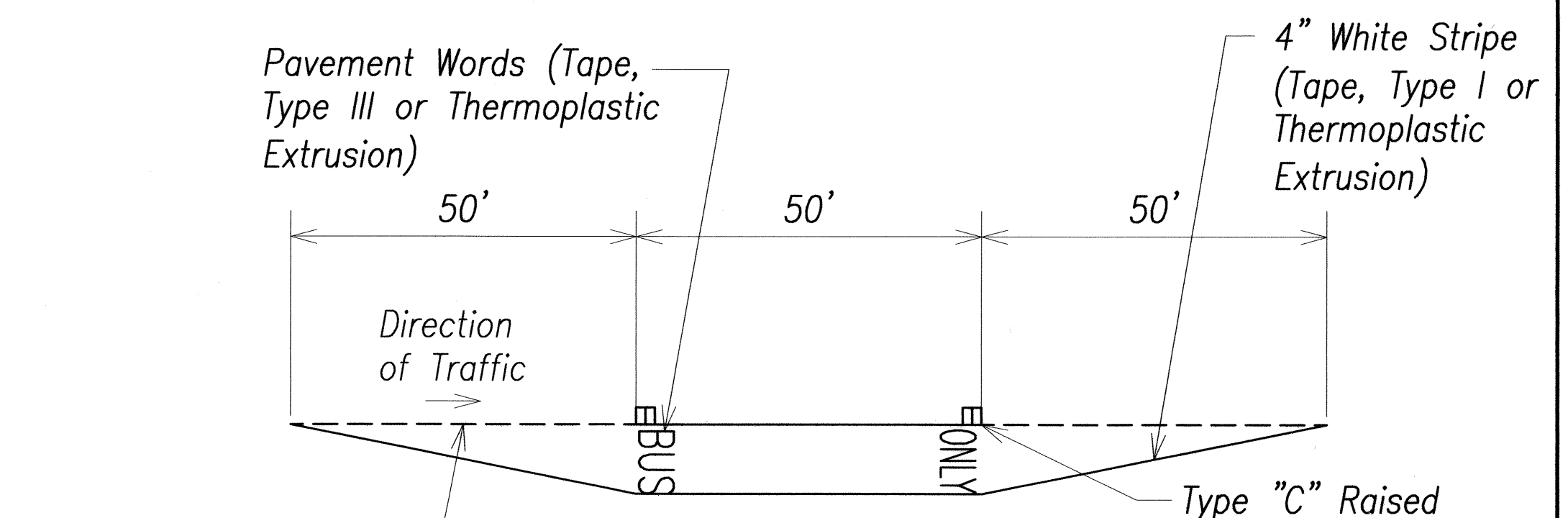
1. Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
2. Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement marking items.
3. Raised pavement markers shall not be installed within crosswalks.
4. Final locations of all signs shall be approved by the Engineer prior to any installation work.
5. 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.
6. Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
7. All pavement striping shall be as noted on the legend or plans.
8. All preformed pavement marking tapes over existing pavement shall be applied with as approved primer as recommended by the tape manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
9. The following abbreviations shall be used:
 

TI = Tape, Type I	WS = White Stripe
TII = Tape, Type II	DSY = Double Solid Yellow
TIII = Tape, Type III	WES = White Edge Stripe
TPE = Thermoplastic Extrusion	WGL = White Guide Lines
RPM = Raised Pavement Markers	TSM = Transverse Shoulder Markings
-C = RPM, Type C	
-D = RPM, Type D	
10. Removal of existing Delineators and Posts as directed by the Engineer shall be considered incidental to the various signing items.
11. 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.
12. Backing for all new regulatory and warning signs shall not be spliced.
13. All sign panels shall conform to Section 621 of Special Provisions and the latest editions and amendments of the following FHWA publications:
  - a. "Manual on Uniform Traffic Control Devices for Street and Highways" (MUTCD)
  - b. "Standard Highway Signs"
  - c. "Standard Alphabets for Highway Signs"
14. All new and relocated signs and markers installed on pipe post or light standard are to be mounted with band brackets and steel signs shall be with braces.
15. The Contractor shall erect advanced construction warning signs at the beginning and at the end of the project. Construction warning signs shall be placed as indicated on the plans or as directed by the Engineer. All construction warning signs shall be kept in place and maintained by the Contractor for the duration of the project. The advanced construction warning signs shall be in addition to the required traffic control signs called for in Section 645-Traffic Control. The advance construction warning signs shall be new and upon completion of the project become the property of the State. The constructor shall remove, clean, and deliver the signs and posts to the Kauai District baseyard in Kapaa or as directed by the Engineer.
16. 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.
17. 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.



**CROSSWALK STRIPING DETAIL**

Not to Scale

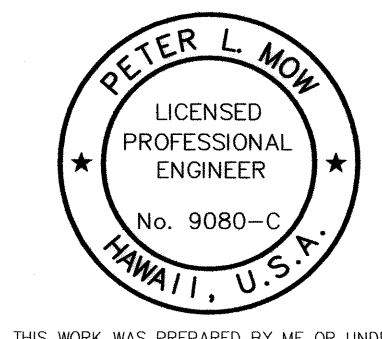


**TYPICAL BUS BAY STRIPING**

Not to Scale

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

C:\Documents and Settings\Peter\My Documents\AutoCAD Files\2008-03\Kam Hwy - Kahuku HS\Plans\15\_Plan-DETAIL-A12.dwg Thu May 22 2008 - 10:27am



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. 'OBSERVATION OF CONSTRUCTION' SHALL BE AS DEFINED IN CHAPTER 115, RULES OF THE BOARD OF PROFESSIONAL ENGINEERS, ARCHITECTS AND SURVEYORS, STATE OF HAWAII, SUBCHAPTER 1, SECTION 115-115-2, EFFECTIVE 08/29/94. 05-22-08

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

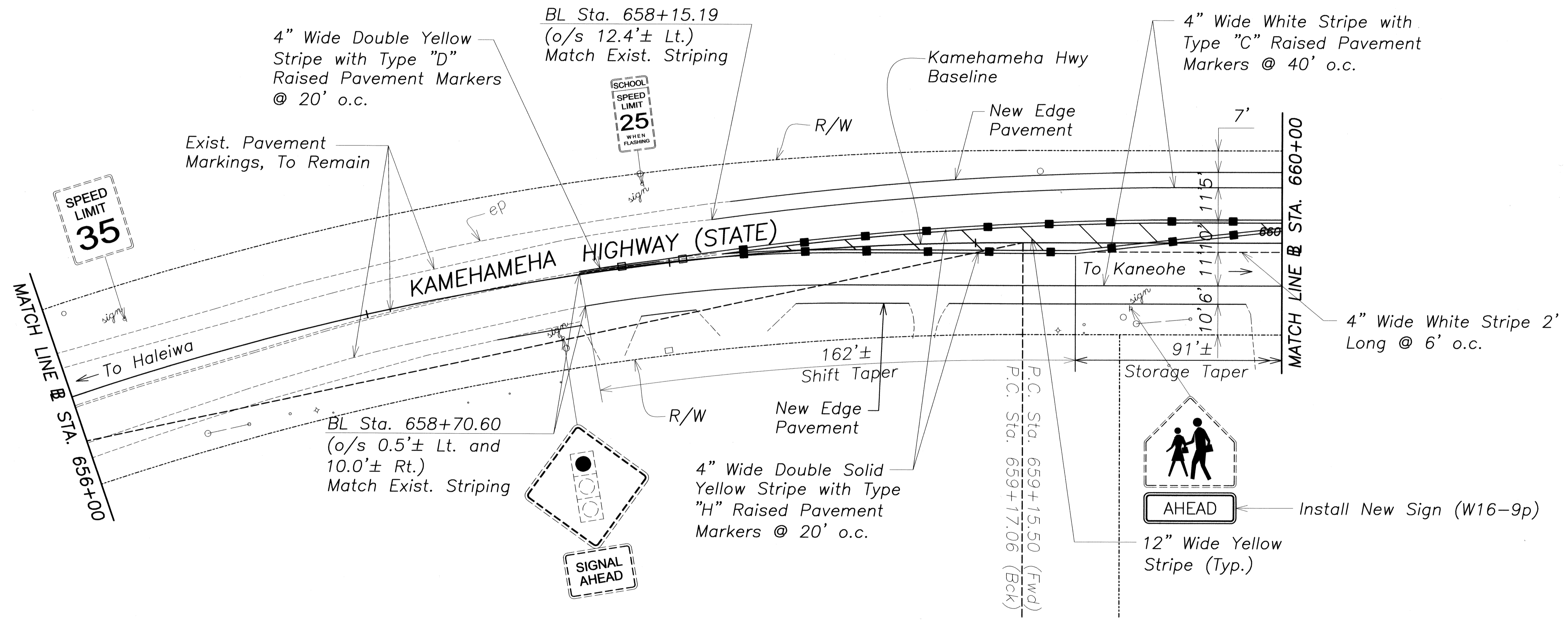
**PAVEMENT MARKING  
LEGEND, DETAILS & NOTES**

**KAMEHAMEHA HIGHWAY IMPROVEMENTS  
Left Turn Lane Into Kahuku High School  
Project No. 83C-01-06**

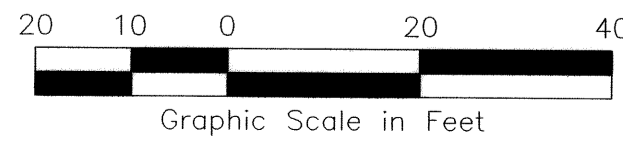
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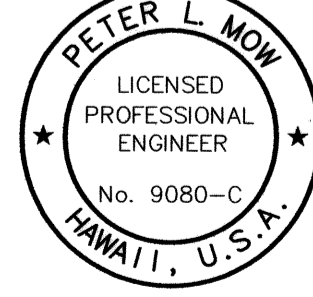
SHEET No. 1 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	83C-01-06	2008	16	42



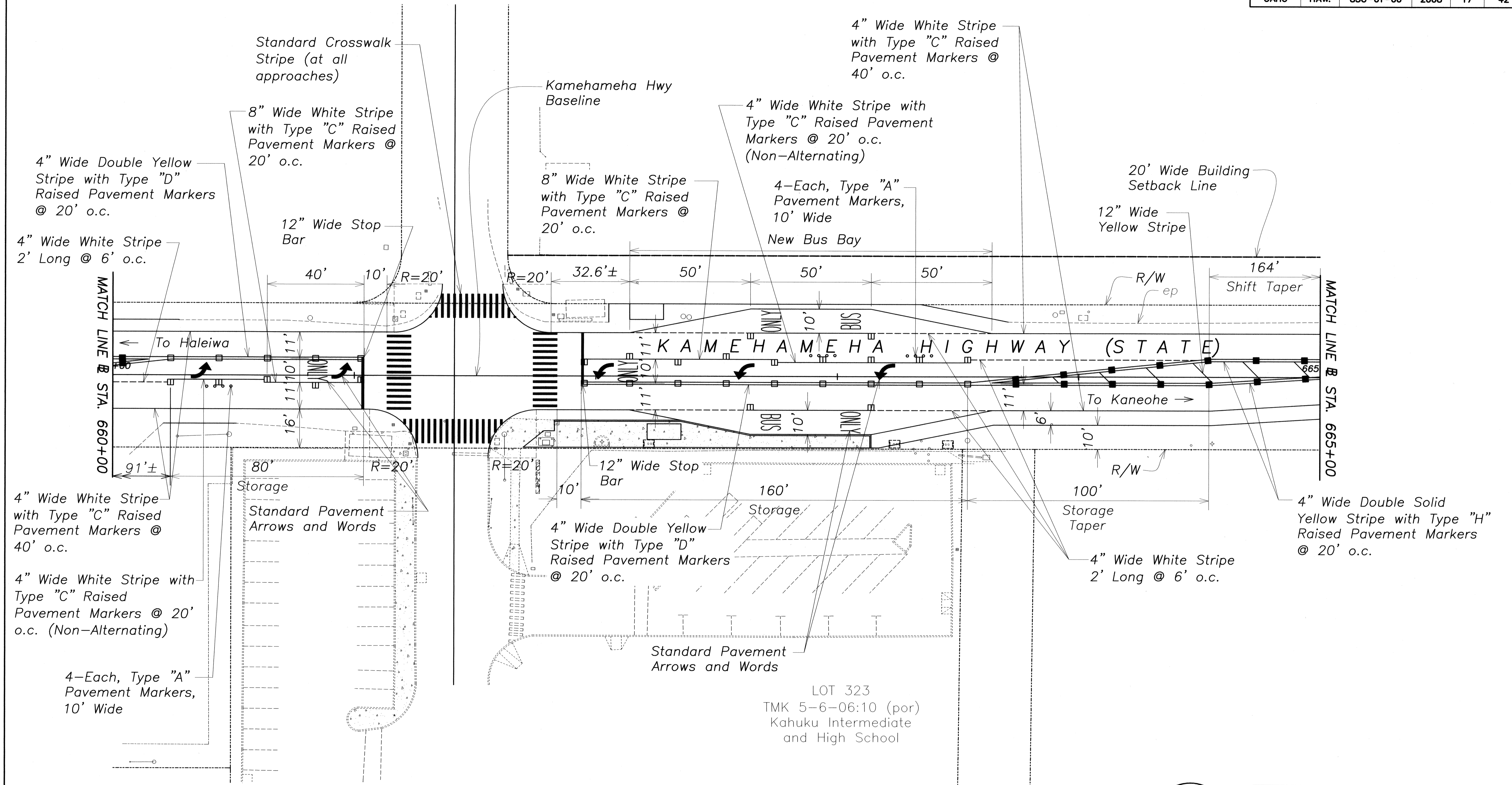
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
NO.	



  
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 P.L.M.  
 ENGINEERS SURVEYORS HAWAII, INC.  
 MY LICENSE EXPIRES: APRIL 30, 2010

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**PAVEMENT MARKING  
 AND SIGNING PLAN**  
**KAMEHAMEHA HIGHWAY IMPROVEMENTS**  
**Left Turn Lane Into Kahuku High School**  
**Project No. 83C-01-06**  
 Scale: As Noted Date: May 2008  
**SHEET No. 2 OF 5 SHEETS**

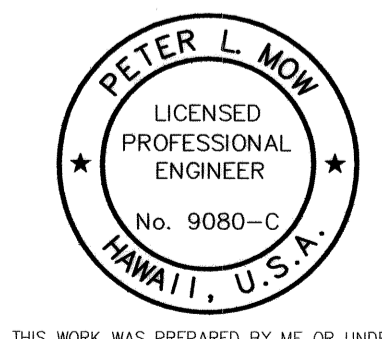
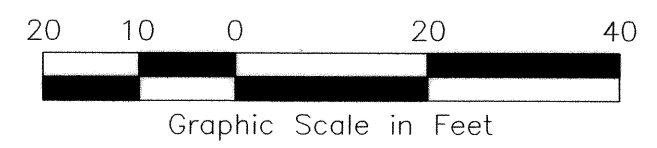
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	83C-01-06	2008	17	42



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 ORIGINAL PLAN SURVEY PLOTTED BY PETER L. MOW  
 NOTE BOOK DRAWN BY PETER L. MOW  
 No. DESIGNED BY PETER L. MOW  
 CHECKED BY PETER L. MOW

**NOTES:**

1. See Signage Layout on Sheet 18.



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 PETER L. MOW  
 ENGINEERS SURVEYORS HAWAII, INC.  
 MY LICENSE EXPIRES: APRIL 30, 2010

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

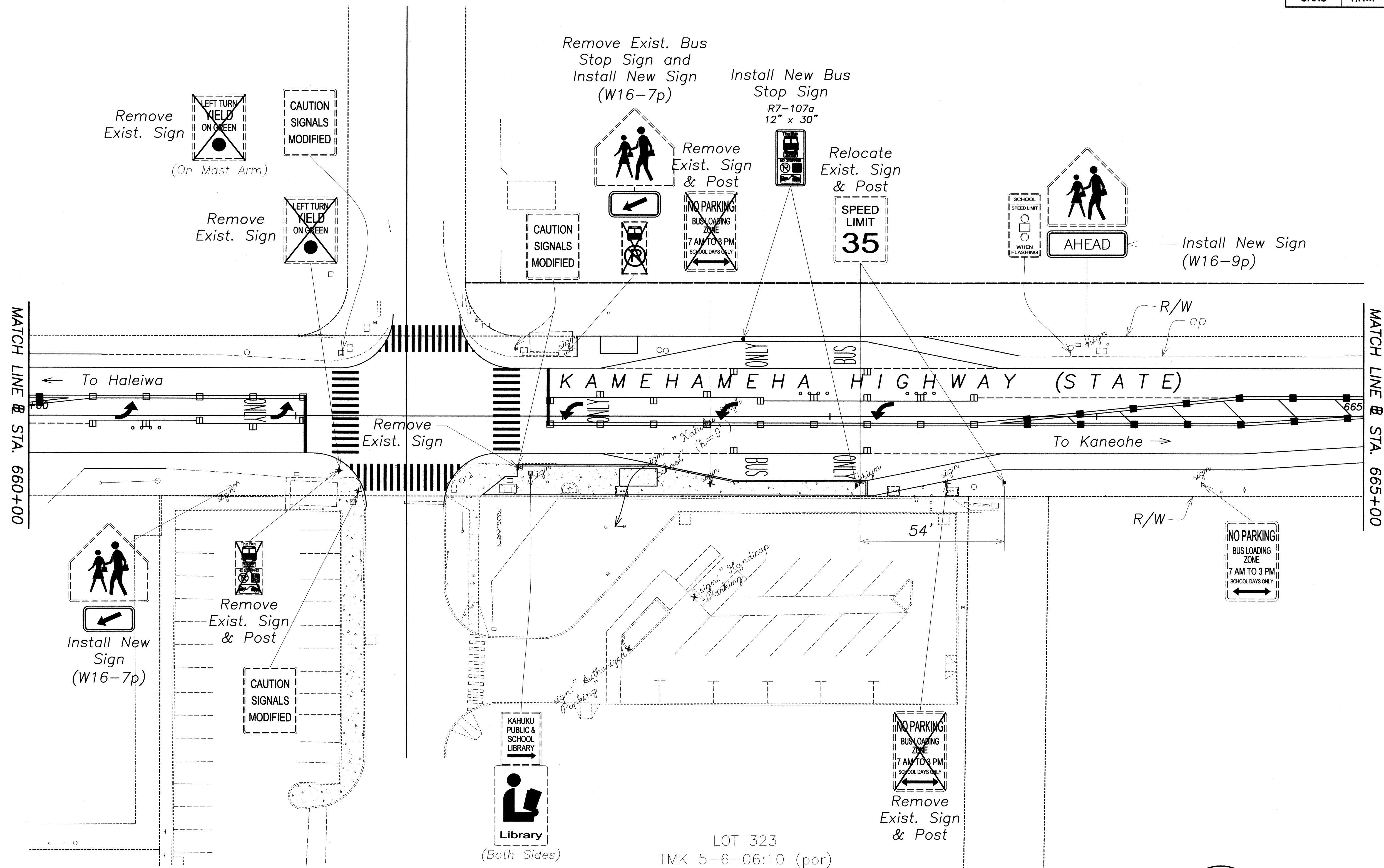
PAVEMENT MARKING  
 AND SIGNING PLAN

**KAMEHAMEHA HIGHWAY IMPROVEMENTS**  
**Left Turn Lane Into Kahuku High School**  
**Project No. 83C-01-06**

Scale: As Noted      Date: May 2008

SHEET No. 3 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	83C-01-06	2008	18	42



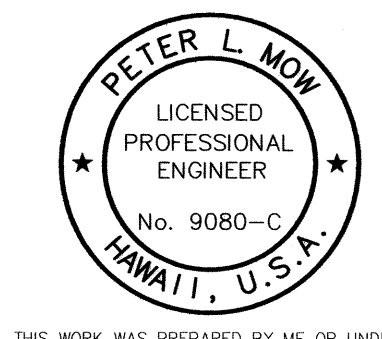
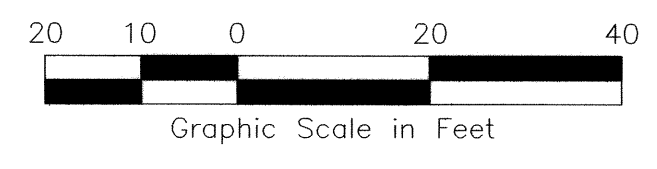
MATCH LINE @ STA. 660+00

MATCH LINE @ STA. 665+00

LOT 323  
TMK 5-6-06:10 (por)  
Kahuku Intermediate  
and High School

KAHUKU PUBLIC & SCHOOL LIBRARY  
Library  
(Both Sides)

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



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**REUTER**  
 ENGINEERS SURVEYORS HAWAII, INC.  
 MY LICENSE EXPIRES: APRIL 30, 2010

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**PAVEMENT MARKING  
AND SIGNING PLAN**

**KAMEHAMEHA HIGHWAY IMPROVEMENTS  
Left Turn Lane Into Kahuku High School  
Project No. 83C-01-06**

Scale: As Noted Date: May 2008

SHEET No. 4 OF 5 SHEETS

C:\Documents and Settings\Peter L Mow\My Documents\AutoCAD Files\2005-023 Kam Hwy - Kahuku HS\Plans\06\_PLANS\_Alt2.dwg Thu, May 22 2008 - 10:00am

