

TRAFFIC DETOUR NOTES (FOR STATE: RIGHT-OF-WAY):

- ALL LANE CLOSURES, BUS STOP RELOCATIONS AND OTHER TRAFFIC PATTERN CHANGES (DETOURS) NOT SHOWN ON THE PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL IN ACCORDANCE WITH SPECIFICATIONS SUBSECTION 107.13 - PUBLIC CONVENIENCE AND SAFETY. FOR RESTRICTIONS ON LANE CLOSURES, DETOURS, CONSTRUCTION WORK DURING PEAK HOUR AND OTHER REQUIREMENTS REGARDING MAINTAINING VEHICULAR AND PEDESTRIAN TRAFFIC SEE SUBSECTION 107.13 - PUBLIC CONVENIENCE AND SAFETY.
- THE CONTRACTOR SHALL MAINTAIN SHOULDERS OF AT LEAST 2- FEET WIDTH. EDGE OF SHOULDER SHALL BE DELINEATED BY PORTABLE CONCRETE GUARD RAIL SECTIONS OR BY TRAFFIC DELINEATORS AND BARRICADES. TERMINI OF PORTABLE CONCRETE GUARD RAIL SHALL ALWAYS CONSIST OF A TAPERED TERMINAL PANEL. PAYMENT FOR TEMPORARY RESETTING OF PORTABLE CONCRETE GUARD RAILS TO FACILITATE CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO VARIOUS CONTRACT ITEM.
- THE CONTRACTOR SHALL PROVIDE STEADY BURN AMBER LAMPS AT 20' O.C. ON PORTABLE CONCRETE GUARD RAIL DURING NIGHT-TIME HOURS. PAYMENT WILL BE CONSIDERED INCIDENTAL TO VARIOUS CONTRACT ITEMS. REFLECTOR MARKERS ON PORTABLE CONCRETE GUARD RAILS ARE NOT REQUIRED.
- THE CONTRACTOR MAY ALTER THE CONSTRUCTION PHASING AND DETOUR PLANS OR HE MAY PREPARE HIS OWN CONSTRUCTION PHASING AND DETOUR PLANS. THESE ALTERATIONS OR NEW PLANS WILL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- REMOVAL OF DETOURS SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS CONTRACT ITEMS.
- THE CONTRACTOR IS TO SCHEDULE ALL CONSTRUCTION WORK SO THAT EXISTING TRAFFIC MOVEMENTS, DRIVEWAY ACCESS, ACTIVE UTILITIES AND STORM DRAINAGE IS MAINTAINED. TEMPORARY RELOCATION OR CONSTRUCTION WORK NECESSARY TO MAINTAIN THESE SERVICES IS CONSIDERED INCIDENTAL TO THE VARIOUS CONTRACT ITEMS.
- DURING CONSTRUCTION PHASING, THE REVERSIBLE LANES SHALL BE DELINEATED BY TRAFFIC CONES AND PORTABLE SOCKET SIGNS.
- DURING CONSTRUCTION PHASING, WHEN THE EXISTING ROADWAY IS TO BE USED AS TEMPORARY DETOURS, THE CONTRACTOR SHALL REMOVE ALL PAVEMENT STRIPING AND MARKERS THAT ARE NOT LOCATED IN THE PROPER PLACE AND INSTALL TEMPORARY MARKERS AND PAVEMENT TAPE FOR STRIPING AS SHOWN ON THE CONSTRUCTION PHASING PLANS.
- TRAFFIC DELINEATORS AND BARRICADE WARNING LIGHTS SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION AND AMENDMENTS OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS".
- DURING THE WORK HOURS BETWEEN 9:00 A.M. TO 2:30 P.M., THE CONTRACTOR MAY NOT CLOSE MORE THAN ONE LANE OF TRAFFIC IN EACH DIRECTION FOR CONSTRUCTION WORK. AT ALL OTHER TIMES, THE TRAFFIC DETOUR PATTERNS AND THE NUMBER OF ACTIVE TRAFFIC LANE SHOWN IN THE CONSTRUCTION PHASING AND DETOUR PLANS SHALL BE MAINTAINED.
- THE TEMPORARY TRAFFIC DELINEATORS, CONES AND SIGNS FOR CONSTRUCTION ACTIVITIES WILL NOT BE MEASURED AND WILL BE CONSIDERED INCIDENTAL TO VARIOUS CONTRACT ITEMS.

PAVEMENT MARKING NOTES (FOR STATE: RIGHT-OF-WAY):

- LAYOUT OF PAVEMENT MARKINGS AND STRIPING SHALL BE DONE BY THE CONTRACTOR AND APPROVED 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. COST SHALL BE INCIDENTAL TO THE VARIOUS PAVEMENT MARKINGS ITEMS.
- RAISED PAVEMENT MARKERS SHALL NOT BE INSTALLED WITHIN CROSSWALKS.
- FINAL LOCATIONS OF ALL STOP LINES SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
- ALL PAVEMENT STRIPING INCLUDING RAISED PAVEMENT MARKERS SHALL BE AS NOTED ON THE LEGEND OR PLANS.
- ALL PREFORMED PAVEMENT MARKING TAPES OVER EXISTING PAVEMENT SHALL BE APPLIED WITH AN 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.
- DURING CONSTRUCTION OF THE PERMANENT SECTIONS OF THE HIGHWAY, THE PERMANENT MARKINGS SHALL BE LAID ONLY WHEN DIRECTED BY THE ENGINEER.

SIGNING NOTES (FOR STATE: RIGHT-OF-WAY):

- SIGN DETAILS SHALL CONFORM TO THE LATEST EDITIONS AND AMENDMENTS OF THE FOLLOWING FHWA PUBLICATIONS: "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", "STANDARD HIGHWAY SIGNS" AND "STANDARD ALPHABETS FOR HIGHWAY SIGNS".
- BORDER WIDTHS AND RADII SHALL CONFORM TO STANDARD PLAN TE-14, EXCEPT AS NOTED. SIGNS SHALL BE COMPLETELY REFLECTORIZED WITH TYPE B SHEETING.
- STREET NAME SIGNS SHALL BE MOUNTED HORIZONTALLY ON TRAFFIC SIGNAL MASTARMS WITH A MINIMUM OF THREE SETS OF BAND BRACKETS AND BACK BRACE. SEE SHEET SS3 FOR DETAILS.
- PAYMENT FOR RELOCATING REFLECTOR MARKINGS AND TEMPORARY RELOCATION OF SIGNS TO FACILITATE CONSTRUCTION WILL BE CONSIDERED INCIDENTAL TO VARIOUS CONTRACT ITEMS.
- FINAL LOCATIONS OF ALL NEW 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 SHALL BE INCIDENTAL TO THE VARIOUS SIGNING ITEMS. REMOVED SIGNS SHALL BE STOCKPILED AS DIRECTED BY THE ENGINEER AND IS THE PROPERTY OF THE STATE DEPARTMENT OF TRANSPORTATION. POST AND FOUNDATION SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- PAYMENT FOR CONSTRUCTION SIGNS WILL BE MADE UNDER PAY ITEM "REGULATORY AND WARNING SIGN...".
- TEMPORARY SUPPORT MAY BE USED FOR CONSTRUCTION SIGNS AND SIGNS INDICATED ON THE CONSTRUCTION PHASING AND DETOUR PLANS. CONTRACTOR SHALL OBTAIN ENGINEER'S APPROVAL FOR PROPOSED TEMPORARY SUPPORTS.
- REGULATORY, WARNING AND DIRECTIONAL SIGNS SHOWN ON THESE PLANS AND OTHERS TO BE SET IN THE FIELD SHALL BE AS DIRECTED BY THE ENGINEER.
- EXISTING TRAFFIC SIGNS IN OBVIOUS CONFLICT WITH THE DETOUR PLANS SHALL BE FULLY COVERED OR REMOVED. ANY PERMANENT TRAFFIC SIGNS TO BE INSTALLED DURING THIS PROJECT SHALL NOT BE UNCOVERED UNTIL THEY ARE APPROPRIATE FOR THE CONDITIONS.
- UNLESS NOTED ON THE PLAN OR IN THE PROPOSAL, ALL TEMPORARY RELOCATION OR CONSTRUCTION WORK NECESSARY DURING THE CONSTRUCTION PHASES WILL NOT BE MEASURED AND WILL BE CONSIDERED INCIDENTAL TO VARIOUS CONTRACT ITEMS.

SIGNING NOTES (FOR CITY: RIGHT-OF-WAY):

- ALL TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," AS AMENDED AND APPLICABLE SECTIONS OF PART V OF THE STANDARDS DETAILS FOR PUBLIC WORKS CONSTRUCTION," DATED SEPTEMBER 1984, UNLESS OTHERWISE SPECIFIED ON THE PLANS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL INFORM THE ENGINEER AT LEAST SIX (6) DAYS PRIOR TO ANY WORK ON PAVEMENT MARKING OPERATIONS TO SCHEDULE A REVIEW AND APPROVAL OF THE STRIPING PLAN.
- THE APPROVED STRIPING PLAN SHALL BE LAID OUT BY THE CONTRACTOR USING THINNED OUT PAINT OR OTHER APPROVED DEVICE. FIELD ADJUSTMENTS SHALL BE MADE AS DIRECTED BY THE ENGINEER BEFORE THE FINAL MARKINGS ARE APPLIED.
- ALL PAVEMENT MARKINGS THAT BECOME INAPPLICABLE SHALL BE REMOVED BY THE CONTRACTOR AT HIS OWN EXPENSE. REMOVAL SHALL BE BY "SAND-BLASTING" OR BY OTHER METHODS APPROVED BY THE ENGINEER BEFORE THE NEW PAVEMENT MARKINGS ARE APPLIED.
- THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A LIST OF THE TRAFFIC PAINTS HE DESIRES TO USE, INCLUDING MANUFACTURERS NAME AND FORMULA NUMBER, AND THE DATE OF PURCHASE FOR APPROVAL BY THE ENGINEER PRIOR TO STRIPING OPERATIONS.
- STREET SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS OF THE DEPARTMENT OF TRANSPORTATION SERVICES. THE EXACT LOCATION SHALL BE DETERMINED BY THE ENGINEER. IN LIEU OF THE STANDARD EMBOSSED SIGNS, REFLECTORIZED STREET NAME SIGNS WITH SIGN BRACKETS MAY BE USED.
- FOR TEMPORARY STRIPING, THE CONTRACTOR MAY USE OTHER MATERIALS, SUCH AS ADHESIVE, WITH THE APPROVAL OF THE ENGINEER.

TRAFFIC NOTES (FOR CITY: RIGHT-OF-WAY):

- THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE DEPARTMENT OF TRANSPORTATION SERVICES BEFORE WORK ON ANY PORTION OF A PUBLIC STREET OR HIGHWAY MAY BEGIN.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE DEPARTMENT OF TRANSPORTATION SERVICES. THE CONTRACTOR SHALL MAKE WHATEVER CHANGES AS REQUIRED BY THE ENGINEER AND THE DEPARTMENT OF TRANSPORTATION SERVICES. THE TRAFFIC CONTROL PLAN SHALL BE APPROVED BY THE ENGINEER AND THE DEPARTMENT OF TRANSPORTATION SERVICES BEFORE A PERMIT WILL BE ISSUED.
- THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN ALL NECESSARY SIGNS AND OTHER PROTECTIVE FACILITIES, WHICH SHALL CONFORM WITH THE "HAWAII ADMINISTRATION RULES GOVERNING THE USE OF TRAFFIC CONTROL DEVICES AT WORK SITES ON OR ADJACENT TO PUBLIC STREETS AND HIGHWAYS" ADOPTED BY THE DIRECTOR OF TRANSPORTATION AND THE CURRENT FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, PART VI - TRAFFIC CONTROLS FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, UTILITY AND EMERGENCY OPERATIONS".
- AS REQUIRED BY THE DEPARTMENT OF TRANSPORTATION SERVICES, THE CONTRACTOR SHALL HIRE SPECIAL DUTY POLICE OFFICERS TO CONTROL THE FLOW OF TRAFFIC.
- WHERE PEDESTRIAN WALKWAYS EXIST, THE CONTRACTOR SHALL MAINTAIN THEM IN PASSABLE CONDITION OR OTHER FACILITIES FOR PEDESTRIANS SHALL BE PROVIDED. PASSAGE BETWEEN WALKWAYS AT INTERSECTIONS SHALL LIKEWISE BE PROVIDED.
- THE CONTRACTOR SHALL REFERENCE, TO THE SATISFACTION OF THE ENGINEER AND DEPARTMENT OF TRANSPORTATION SERVICES, ALL EXISTING TRAFFIC SIGNS, POSTS AND PAVEMENT MARKERS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNS, POSTS AND PAVEMENT MARKERS DISTURBED BY HIS ACTIVITIES. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF TRANSPORTATION SERVICES AT 523-4029 ONE (1) WEEK PRIOR TO ANY WORK TO BE DONE ON SIGNS, POST AND PAVEMENT MARKINGS.
- DURING WORKING HOURS, THE CONTRACTOR SHALL PROVIDE TWO LANES FOR THROUGH TRAFFIC. ON STREETS TOO NARROW TO MAKE THIS PRACTICABLE, THE CONTRACTOR MAY WORK IN ONE HALF OF THE ROADWAY, KEEPING ONE LANE OPEN TO TRAFFIC AND ALTERNATING THE FLOW OF TRAFFIC.
- DURING NON-WORKING HOURS, THE CONTRACTOR SHALL OPEN ALL LANES AND ALL EXCAVATIONS ON THE ROAD SHALL BE COVERED WITH A SAFE NON-SKID BRIDGING MATERIAL. A ROADWAY MAY BE CLOSED ONLY WITH THE EXPRESS PERMISSION OF THE ENGINEER AND THE DEPARTMENT OF TRANSPORTATION SERVICES. ALL TRENCHES SHALL BE COVERED DURING NON-WORKING HOURS.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING STREET LIGHTING, FIRE ALARM AND TRAFFIC SIGNAL FACILITIES IN OPERATING CONDITION THROUGHOUT THE CONSTRUCTION PROJECT. TRAFFIC SIGNAL RELOCATION DURING CONSTRUCTION PHASING WORK SHALL BE APPROVED BY THE ENGINEER AND COORDINATED WITH THE ELECTRICAL AND MAINTENANCE DIVISION, DEPARTMENT OF TRANSPORTATION SERVICES AND PAID FOR BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF TRANSPORTATION SERVICES, TRAFFIC SIGNALS SECTION, AT 523-4961 ONE WEEK PRIOR TO ANY EXCAVATION WORK.
- NO MATERIAL AND OR EQUIPMENT SHALL BE STOCKPILED OR OTHERWISE STORED WITHIN STREET RIGHTS-OF-WAY EXCEPT AT LOCATIONS APPROVED BY THE DEPARTMENT OF TRANSPORTATION SERVICES.
- WORK ON ANY CITY STREET AREA MAY BE PERFORMED BETWEEN THE HOURS OF 8:30 A.M. TO 3:30 P.M. MONDAY THROUGH FRIDAY, UNLESS OTHERWISE PERMITTED BY THE DEPARTMENT OF TRANSPORTATION SERVICES.
- THE CONTRACTOR SHALL KEEP ALL DRIVEWAYS OPEN UNLESS THE OWNERS OF THE PROPERTY USING THESE RIGHTS-OF-WAY ARE OTHERWISE PROVIDED FOR SATISFACTORILY.
- HONOLULU PUBLIC TRANSIT AUTHORITY NOTE:
THE CONTRACTOR SHALL NOTIFY OAHU TRANSIT SERVICES, INC., (OTS), ED SNIFFEN (848-4571) OR LOWELL TOM (848-4578), TWO WEEK PRIOR TO CONSTRUCTION, INFORMING THEM OF LOCATION, SCOPE OF WORK, PROPOSED CLOSURE OF ANY STREET OR TRAFFIC LANES, AND THE NEED TO RELOCATE ANY BUS STOP.

FED. ROAD DIS. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(28)	1994	ADD 178	238

DATE	_____
QUANTITIES BY	_____
DESIGNED BY	_____
CHECKED BY	_____
NO.	_____

APPROVED:

[Signature] 9/20/94
 CHIEF, TRAFFIC ENGINEERING DIVISION, D.O.T.S. DATE
 (For Construction within City R.O.W. only)

6/07/94	REVISED TRAFFIC DETOUR NOTE NO. 10. DELETED PAVEMENT MARKING NOTE NO. 8.
DATE	REVISION



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
[Signature]
 DATE: 9/20/94
 FOR: P&E ENGINEERING

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TRAFFIC, SIGNING AND PAVEMENT MARKINGS NOTES

KAHEKILI HIGHWAY WIDENING
 Likelike Hwy. to Vicinity of Haiku Road
 F.A. PROJECT NO. NH-083-1(26)

SCALE: AS NOTED DATE: APRIL 1994

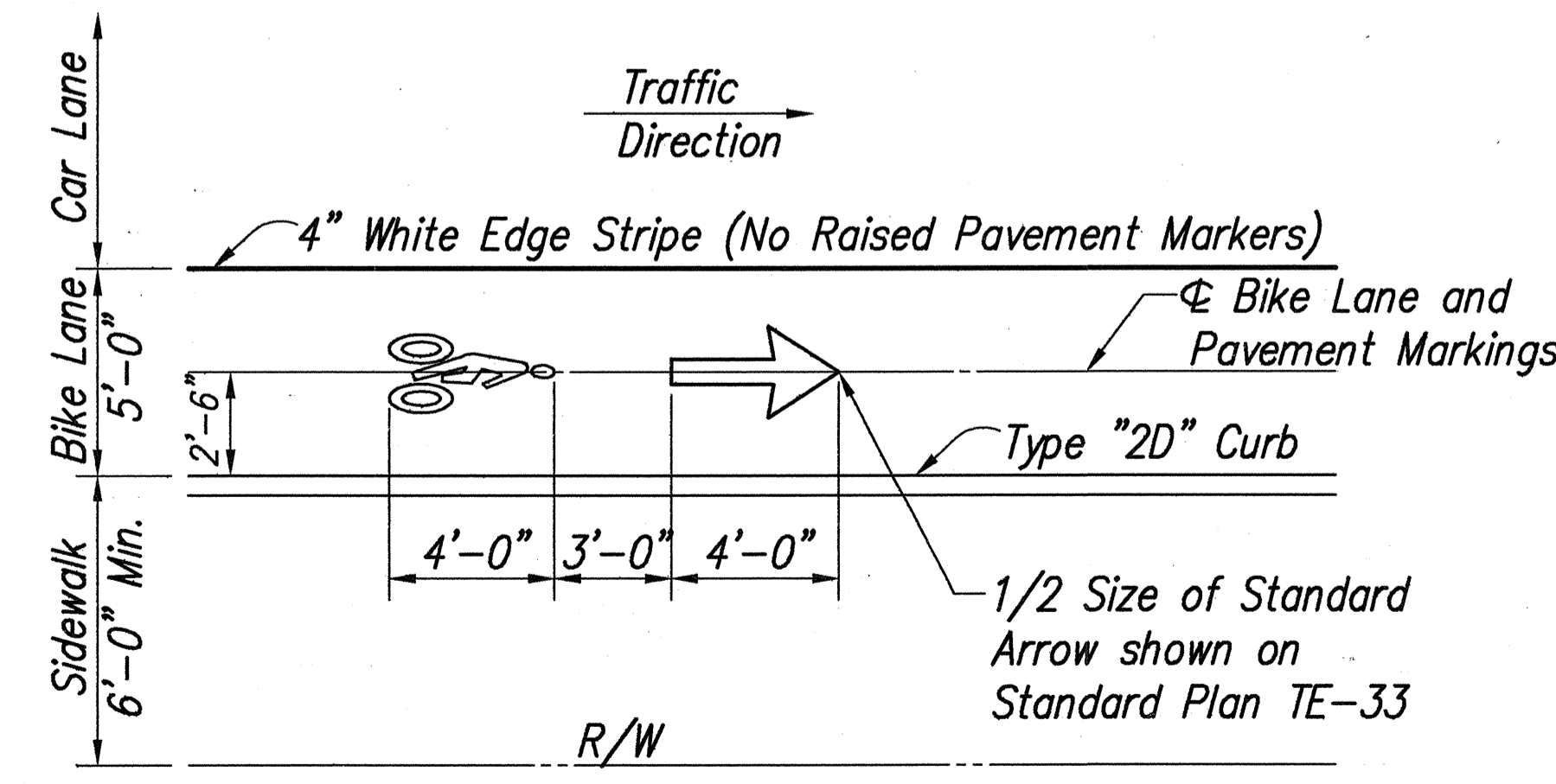
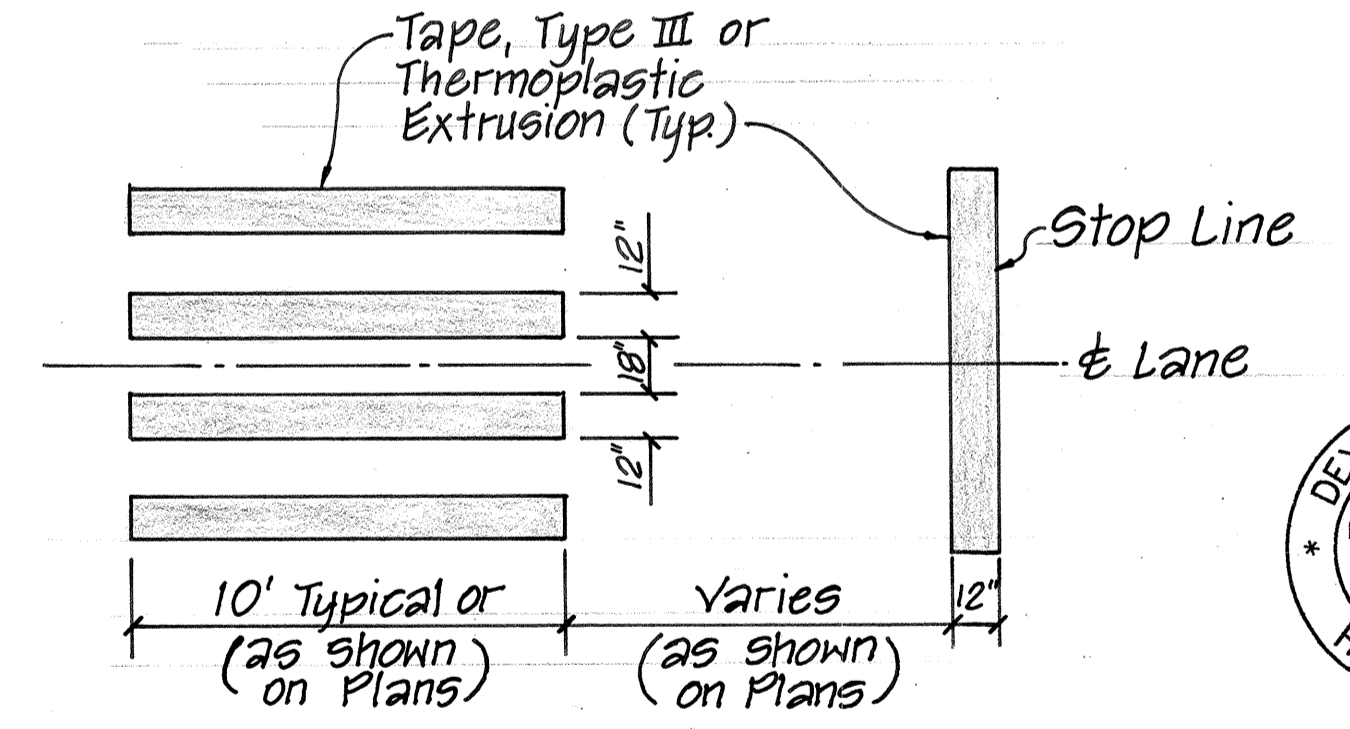
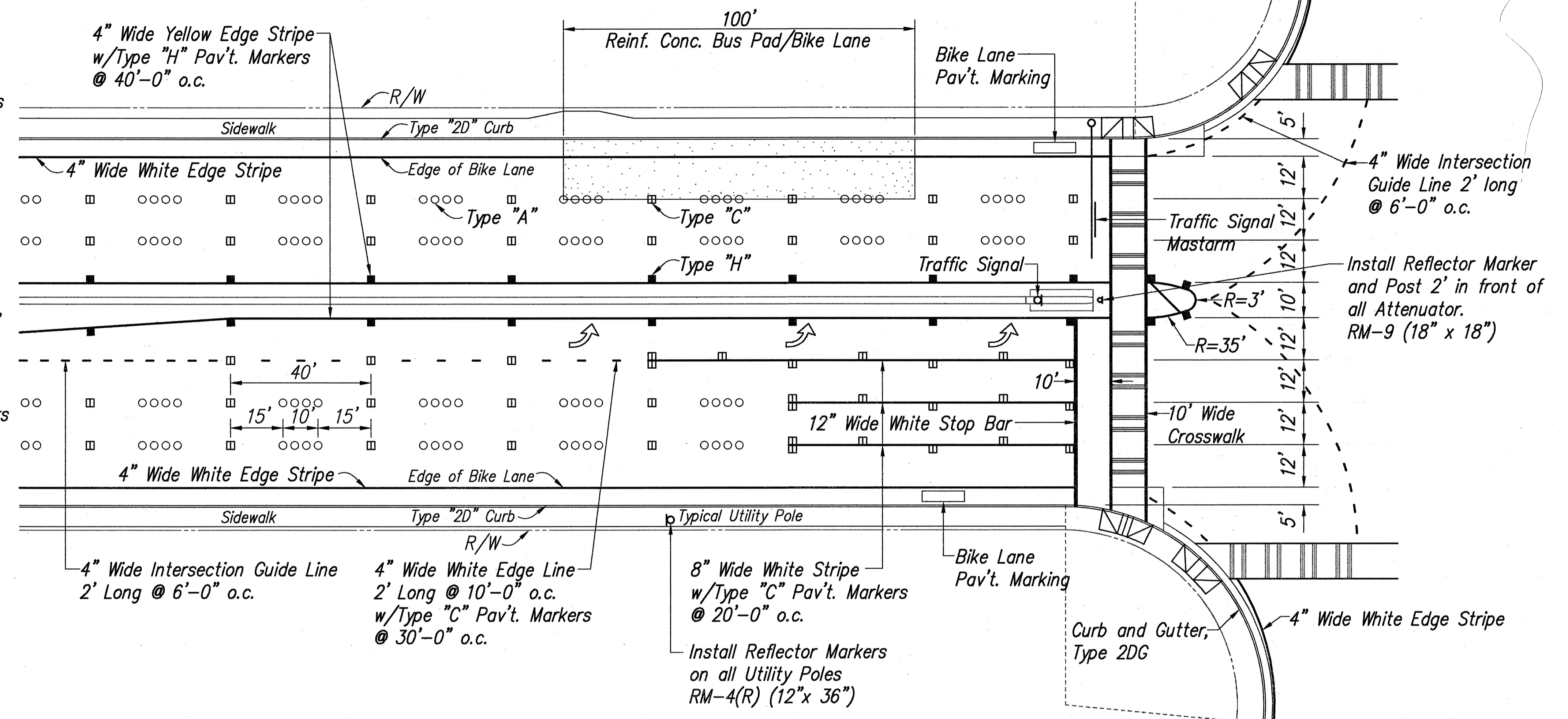
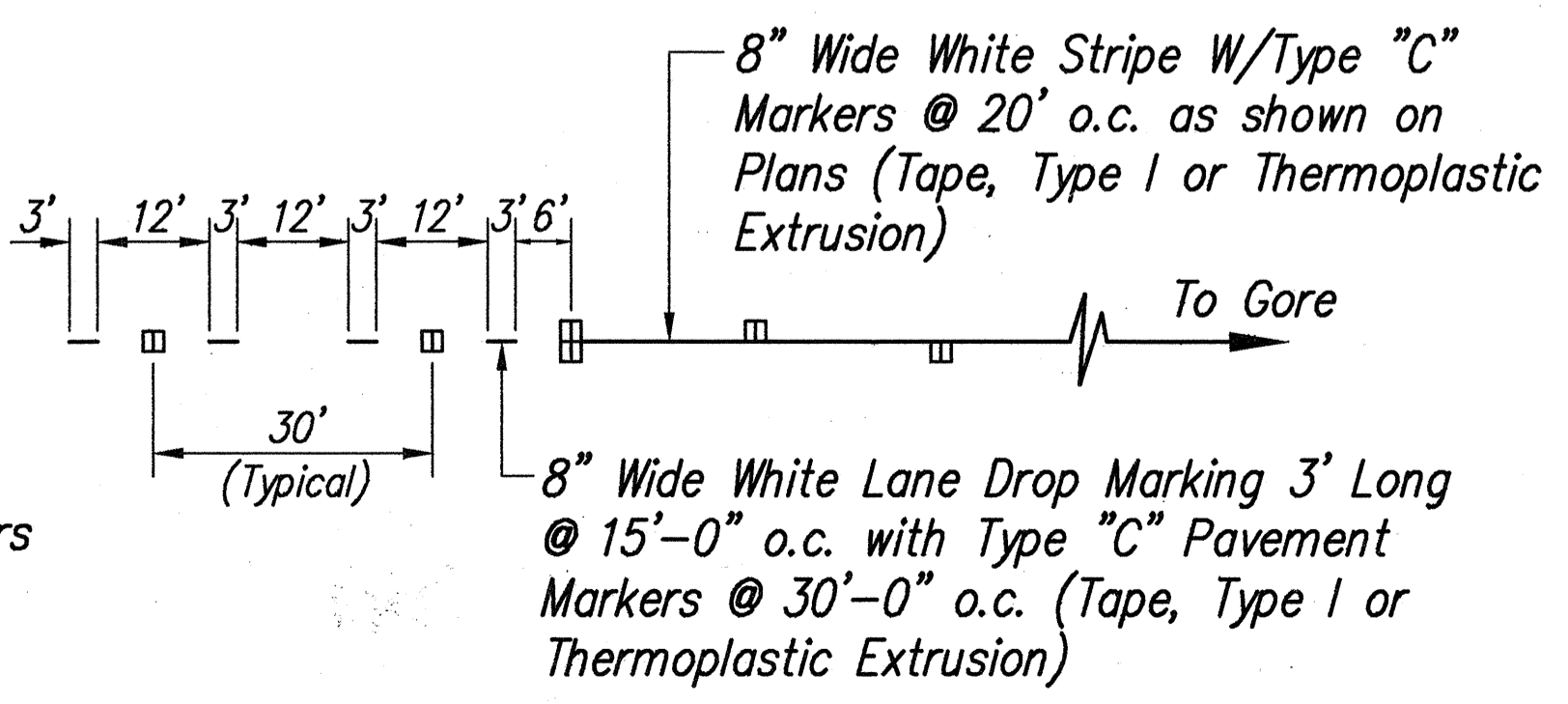
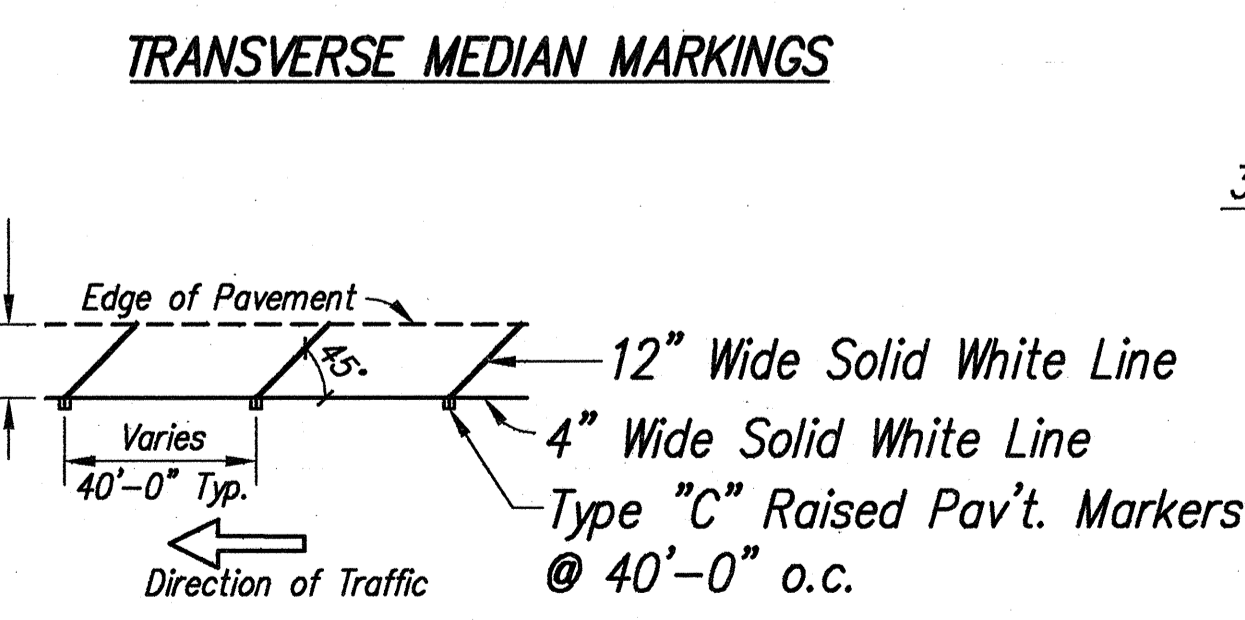
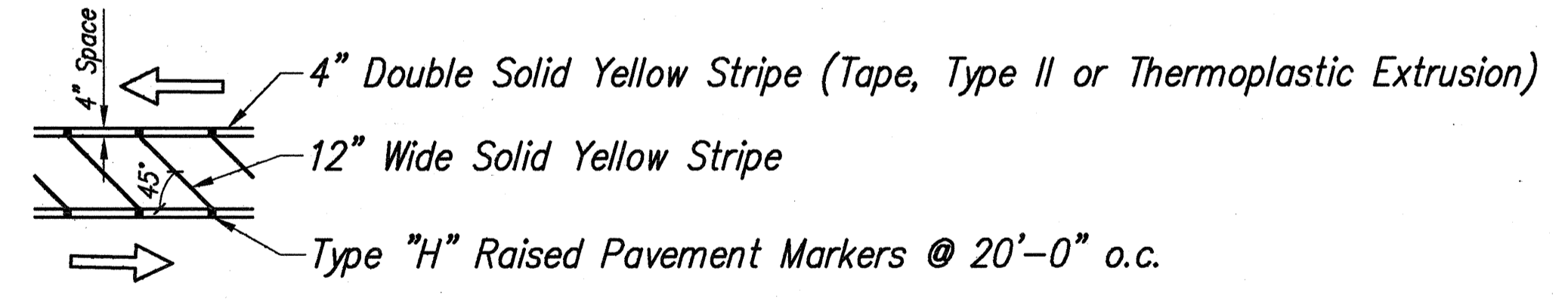
SHEET No. SS1 OF SS11 SHEETS

AS-BUILT ADD. 178

FED. ROAD DIS. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(26)	1994	179	238

LEGEND

- 4 each Type "A" Raised Pavement Markers
Type "C" Raised Pavement Markers @ 40'-0" o.c.
- 4" Wide White Stripe
- Type "C" Raised Pavement Markers @ 40'-0" o.c.
- 4" Wide Yellow Edge Stripe with Type "H" Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
- 4" Wide White Edge Stripe with Type "C" Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
- Extension of Edge Line, 4" Wide x 2'-0" Long White Stripe @ 10'-0" o.c. with Type "C" Markers @ 40'-0" o.c. (Tape, Type III or Thermoplastic Extrusion)
- 8" Wide White Lane Drop Marking 3' Long @ 15' o.c. with Type "C" Pavement Marker @ 40'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
- 4" Wide Double Solid Yellow with Type "D" Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
- 8" Wide White Stripe with Type "C" Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
- 4" Wide Intersection Guide Line 2' Long @ 6'-0" o.c. (Tape, Type III or Thermoplastic Extrusion)
- 12" Wide White Diagonal Stripes (See Standard Plan TE-31) (Tape, Type II or Thermoplastic Extrusion)
- Pavement Arrow (Tape, Type III or Thermoplastic Extrusion)
- 12" Wide White Stop Bar (Tape, Type III or Thermoplastic Extrusion)
- 10' Wide Crosswalk (Tape, Type III or Thermoplastic Extrusion) See Revised Crosswalk Detail as shown this sheet. (Sketch No. FC34)



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
DATE: 4/20/94
D.S.E. ENGINEERING

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND PAVEMENT MARKINGS DETAILS

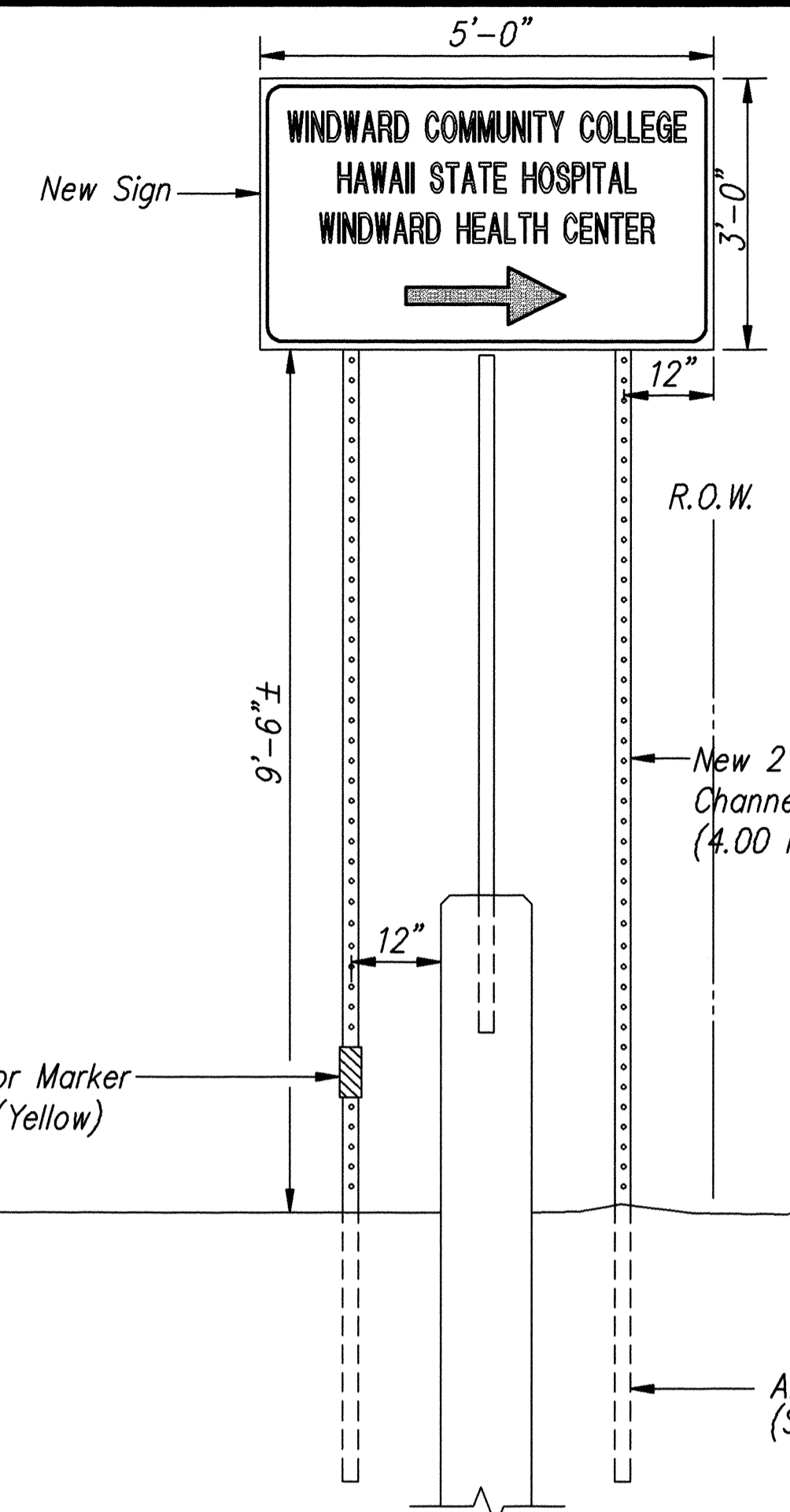
KAHEKILI HIGHWAY WIDENING
Likelike Hwy. to Vicinity of Haiku Road
F.A. PROJECT NO. NH-083-1(26)

SCALE: AS NOTED DATE: APRIL 1994

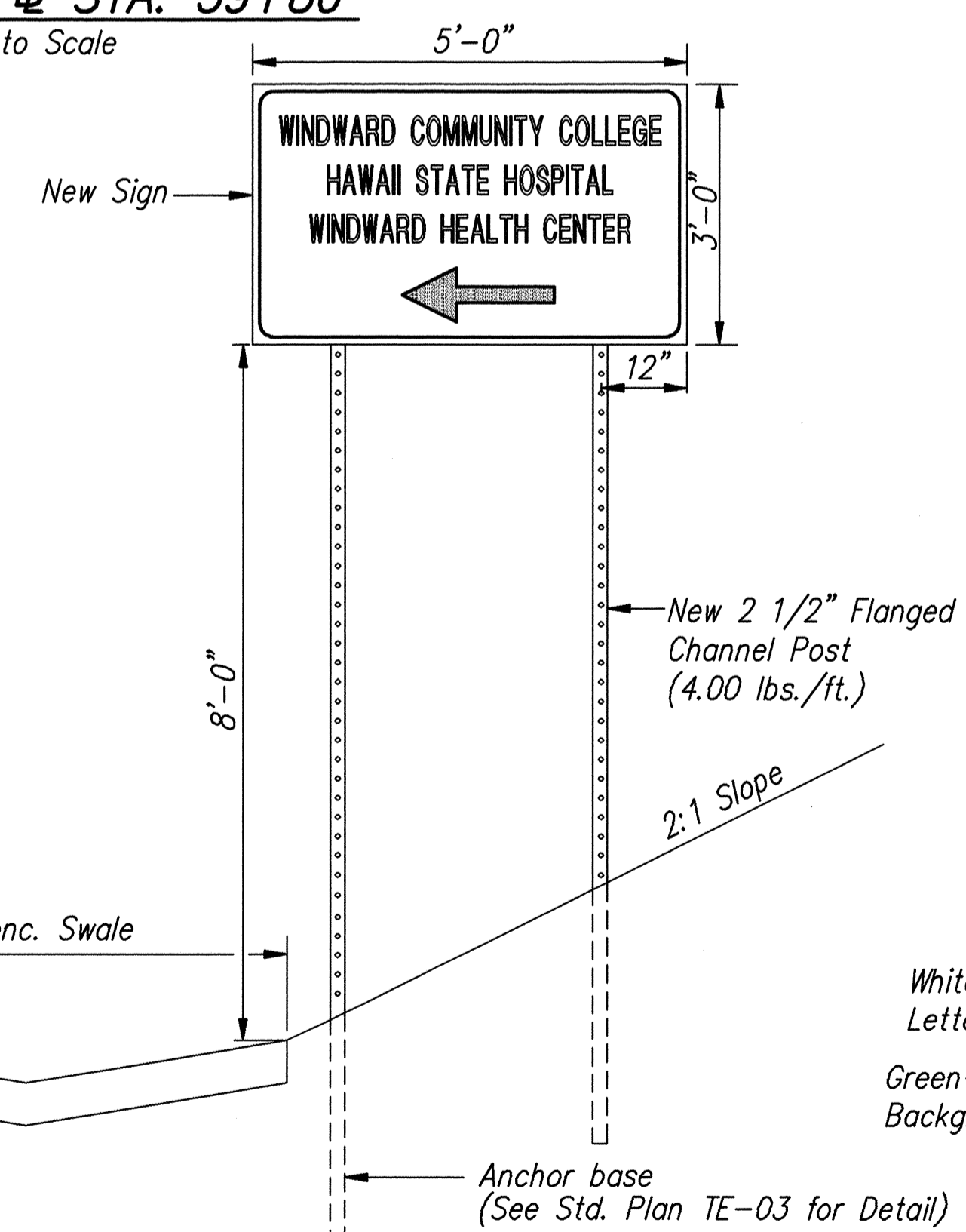
SHEET No. SS2 OF SS11 SHEETS

DATE	_____
DESIGNED BY	_____
DRAWN BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTED BY	_____
NO.	_____

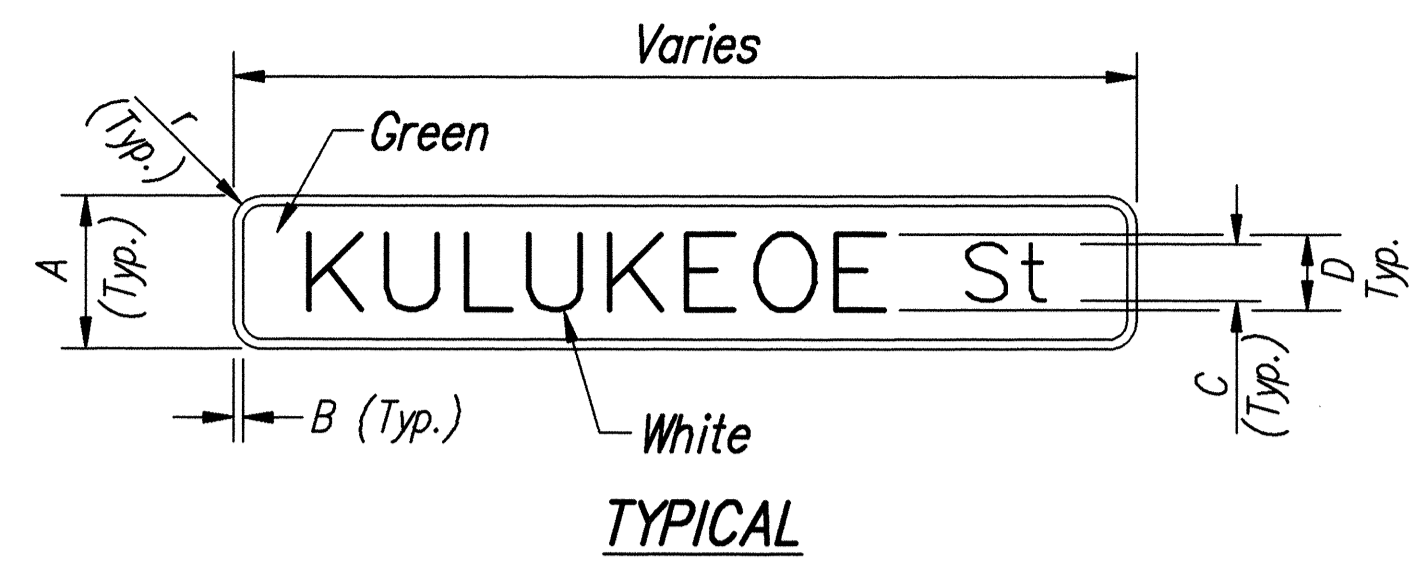
FED. ROAD DIS. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(26)	1994	180	238



NEW SIGN AT STA. 39+80
Not to Scale

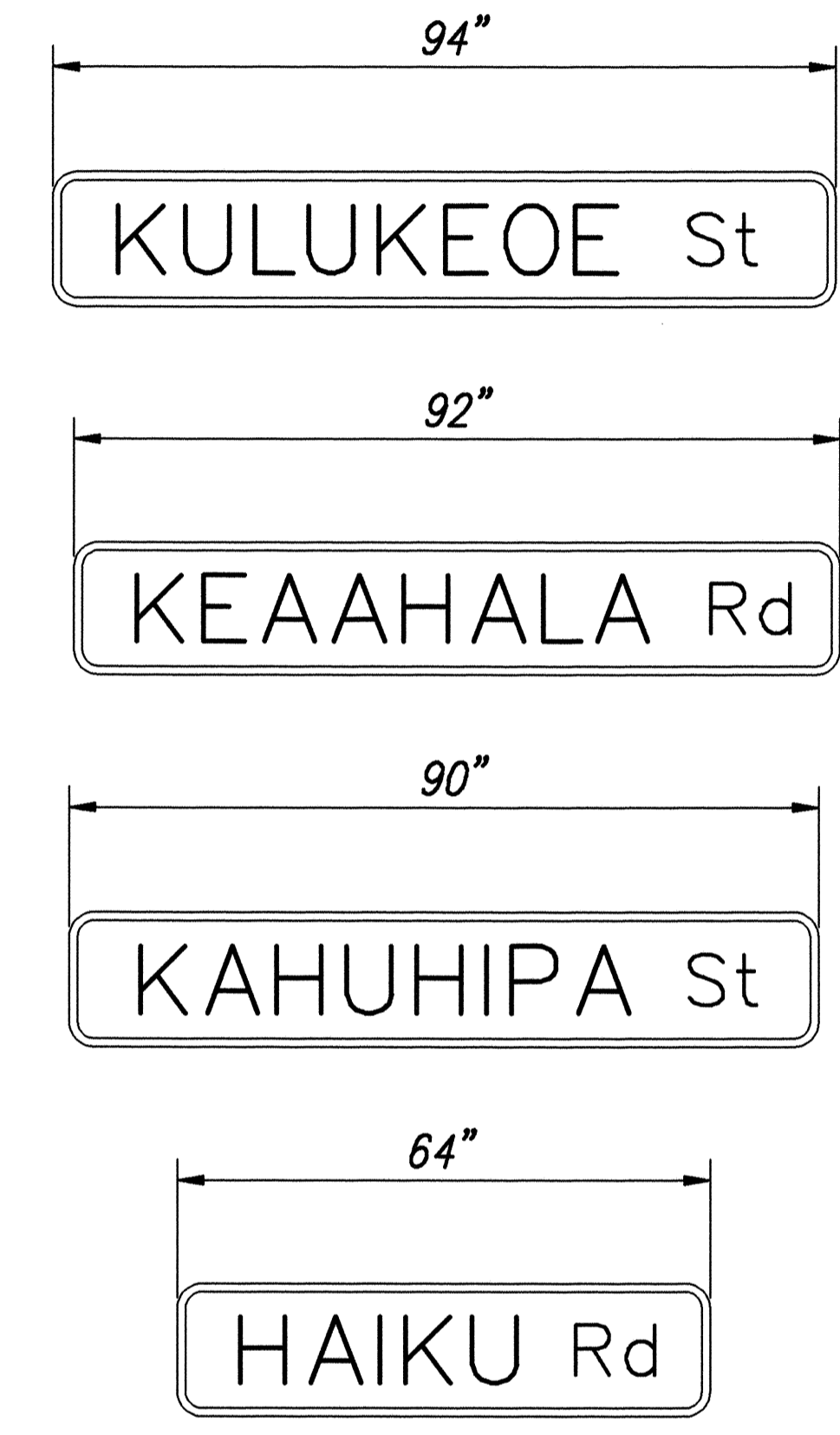


NEW SIGN AT STA. 28+50
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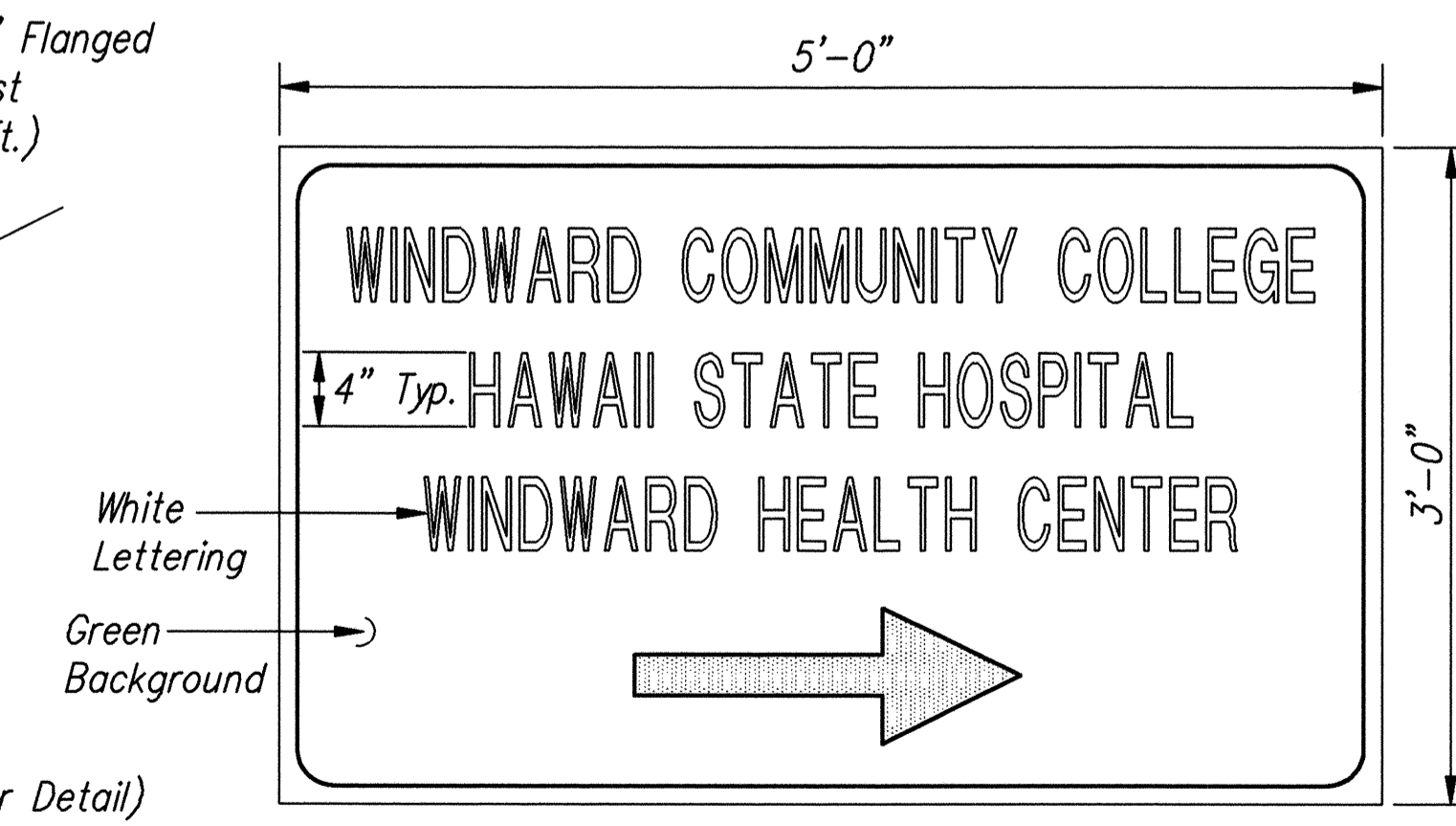


TYPICAL

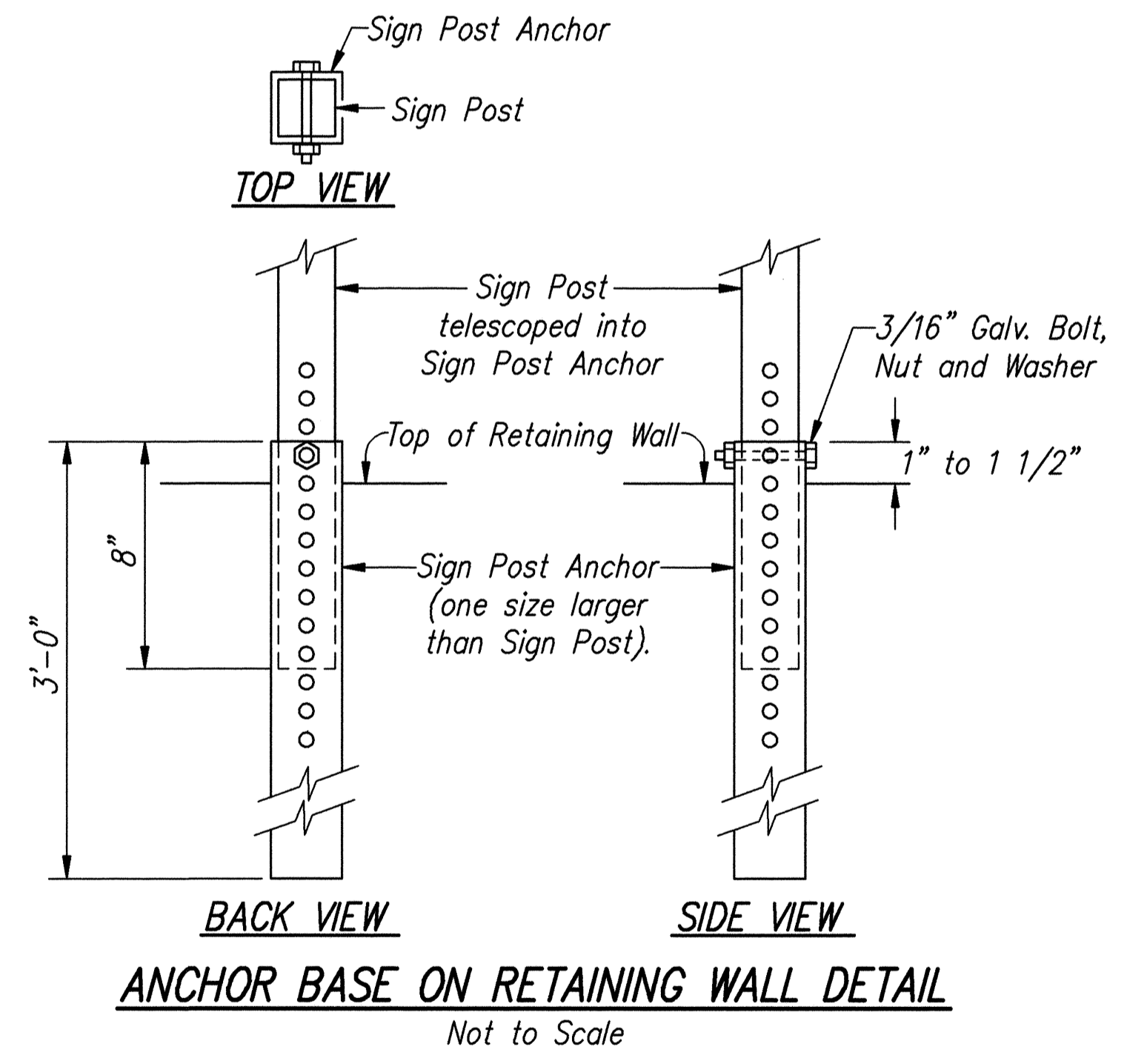
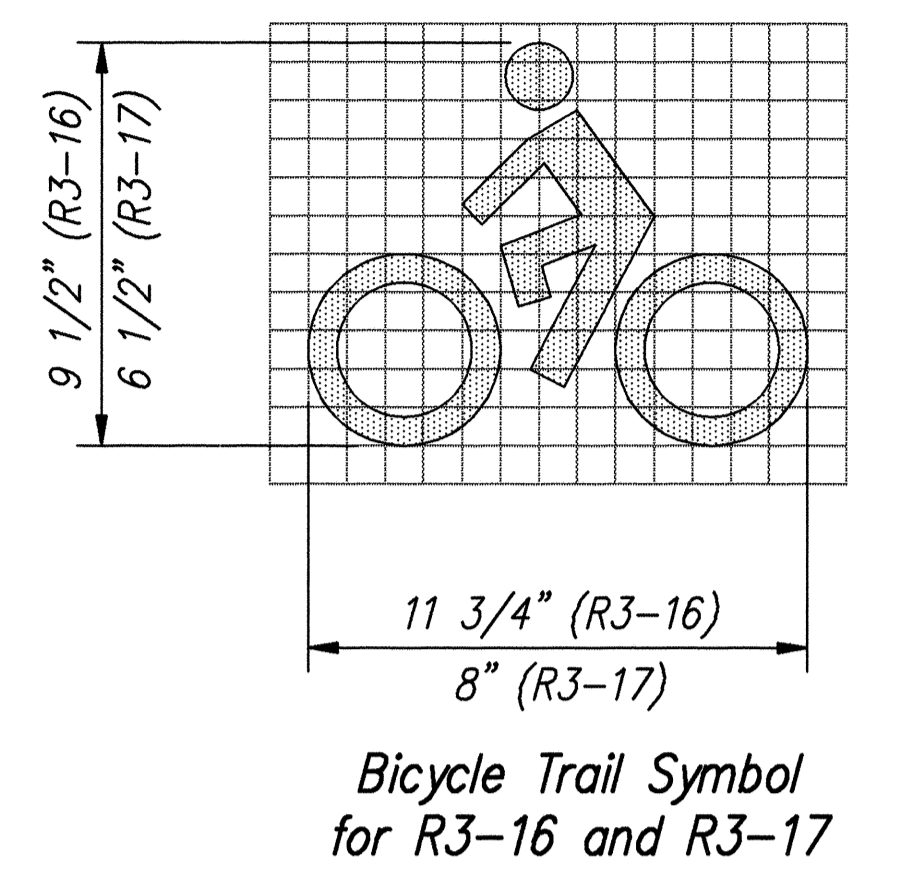
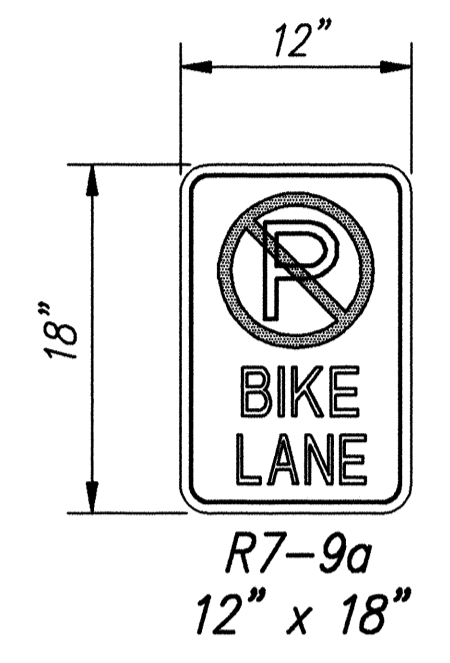
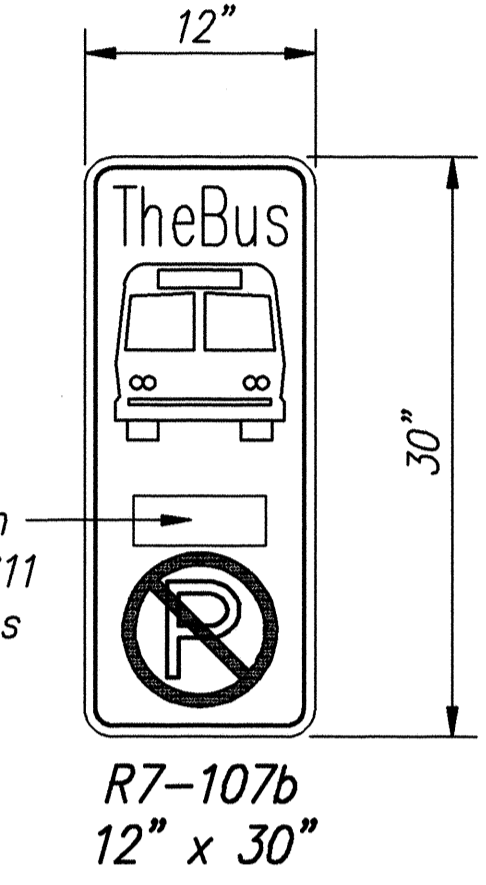
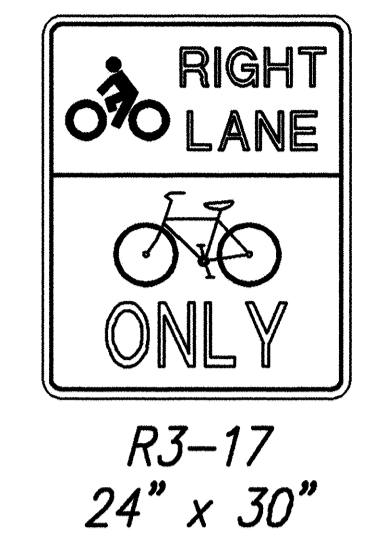
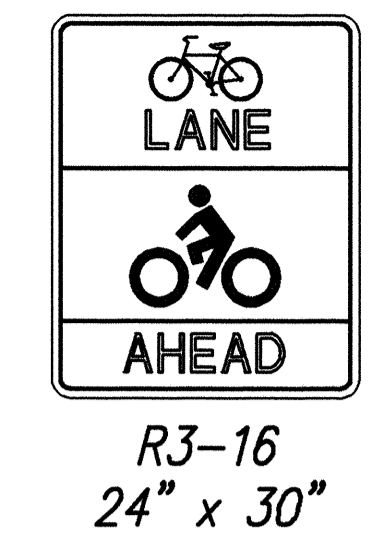
SIGN	A	B	C	D	r
STD	16	1/4	6D	8D	3



STREET NAME SIGNS ON MAST ARM
Each Sign shall have a minimum of 3 Supports Brackets.



NEW SIGN DETAIL
Not to Scale



ANCHOR BASE ON RETAINING WALL DETAIL
Not to Scale



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Dexter S. Eui
Per Eng. No. 4739-C
dbs PARK ENGINEERING
** SIGNATURE HAS BEEN DIGITIZED

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGN DETAILS

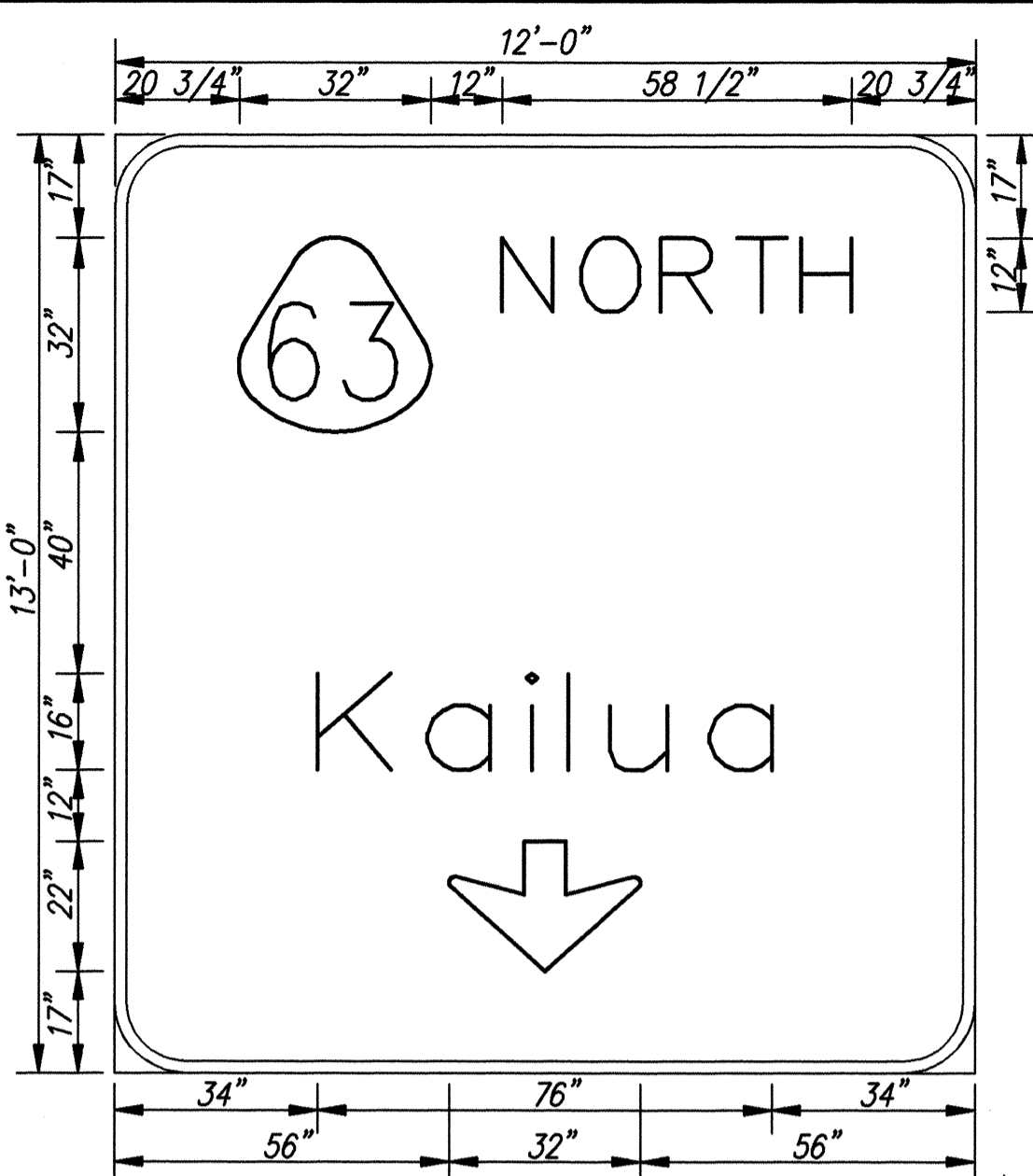
KAHEKILI HIGHWAY WIDENING
Likelike Hwy. to Vicinity of Haiku Road
F.A. PROJECT NO. NH-083-1(26)
SCALE: AS NOTED DATE: APRIL 1994
SHEET No. SS3 OF SS11 SHEETS

DATE	REVISION
7/16/97	REVISED SIGN FOR WINDWARD COMMUNITY COLLEGE.

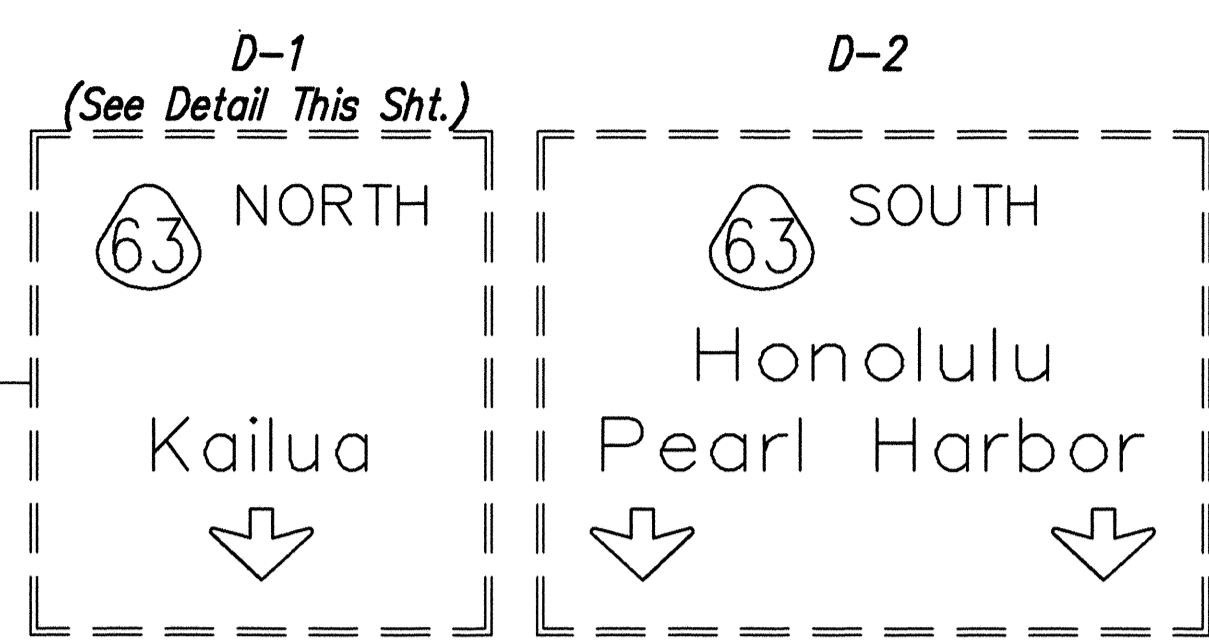
DATE	
DESIGNED BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NO.	

FED. ROAD DIS. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(26)	1994	182	238

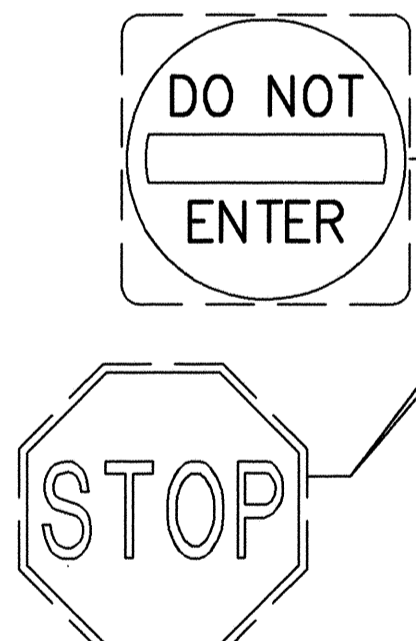
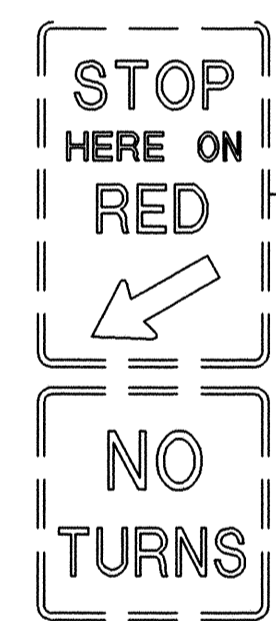
TRUE NORTH
Scale: 1" = 40'



Sign D-1 Detail

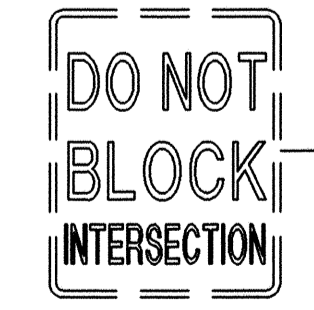


Signs and Sign Structures Foundation & Anchor Bolts will be by others.



Existing Signs to be Removed

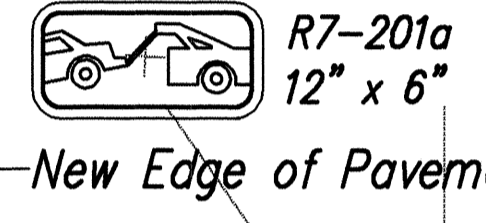
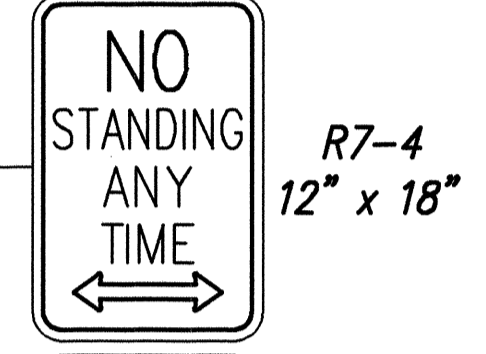
Likeline @ Sta. 105+33.11
= Kahekili @ Sta. 5+64.58



BEGIN PROJECT -
KAHEKILI HIGHWAY
AT STA. 7+08.58

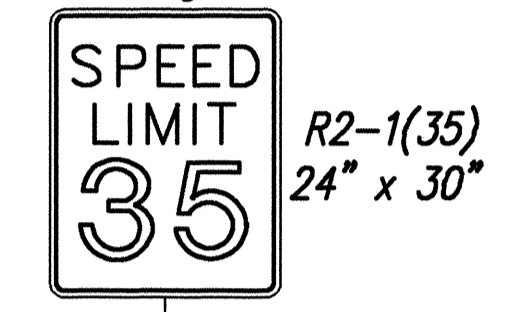


Install New Signs and Post on Retaining Wall



Relocated Exist. "Mile 40" and Highway 83 Marker, Install New Post

Install New Sign on St. Light Std.



4" Wide Yellow Edge Stripe w/Type "H" Raised Pavement Markers @ 40'-0" o.c.

4" Wide White Edge Stripe w/Type "C" Raised Pavement Markers @ 40'-0" o.c.

Transverse Right Shoulder Marking

KAHEKILI HIGHWAY

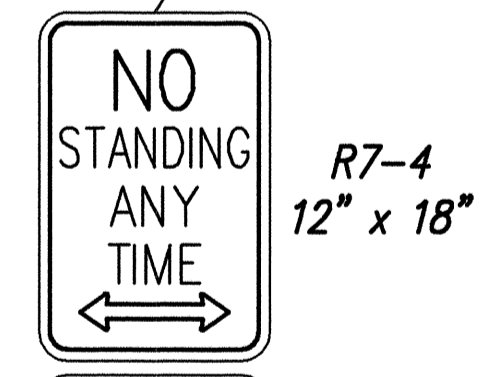
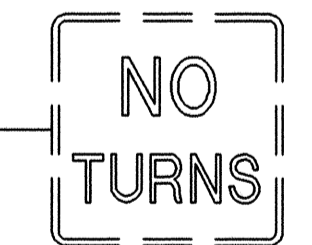
Kahekili @ Sta. 12+60

Kahekili @ Sta. 14+30

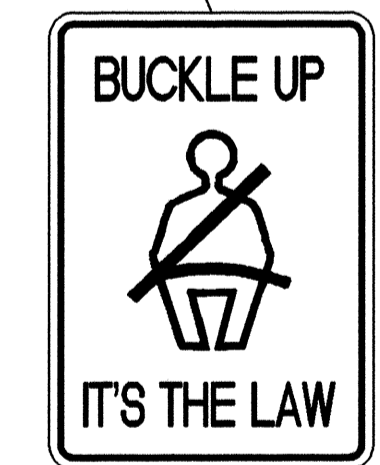
MATCH LINE
STA. 15+00

8" Wide White Stripe w/Type "C" Pavement Markers @ 20'-0" o.c.

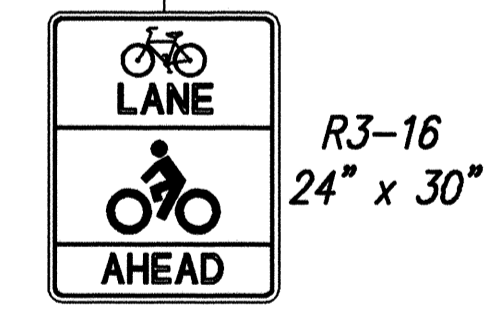
4" Wide White Edge Stripe w/Type "C" Pavement Markers @ 40'-0" o.c. (This Contract)



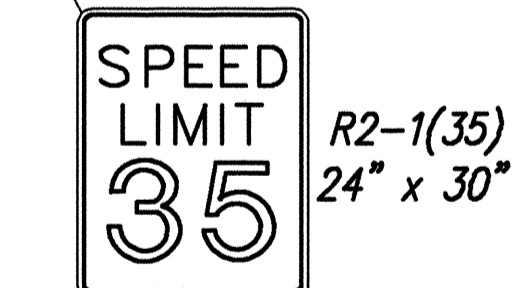
Install New Signs and Post on Retaining Wall



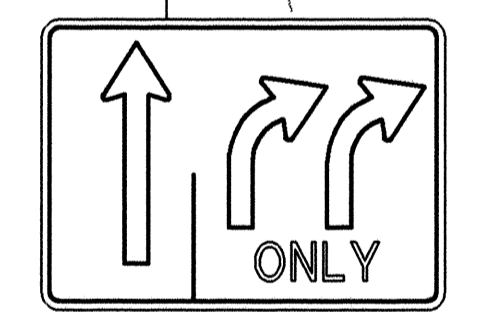
Install New Sign on St. Light Std.



Install New Sign and Post on Retaining Wall



Install New Sign on St. Light Std.



Install New Sign on St. Light Std.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
DATE: APRIL 1994
PARK ENGINEERING
SIGNATURE HAS BEEN DIGITIZED

8/1/97	ELIMINATED RIGHT TURN MOVEMENT FROM RAMP TK.
6/17/97	REVISED PLAN AND ADDED EXISTING SIGNING AND STRIPING.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND STRIPING PLAN

KAHEKILI HIGHWAY WIDENING
Likeline Hwy. to Vicinity of Haiku Road
F.A. PROJECT NO. NH-083-1(26)
SCALE: AS NOTED DATE: APRIL 1994
SHEET No. SS5 OF SS11 SHEETS

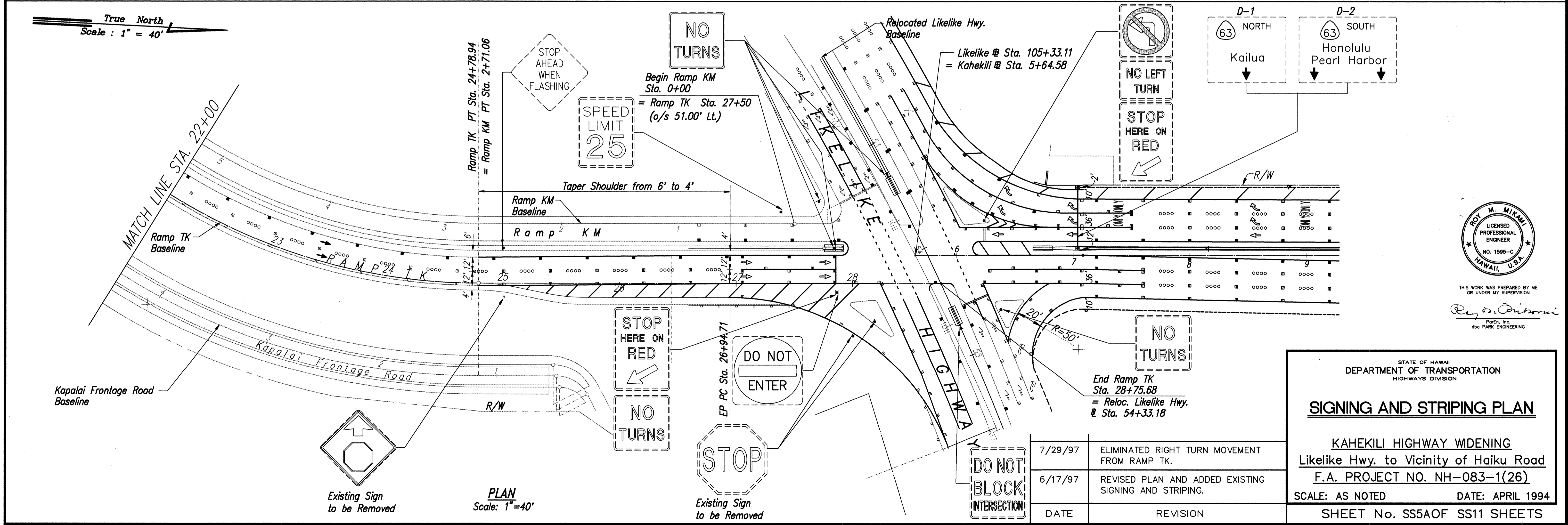
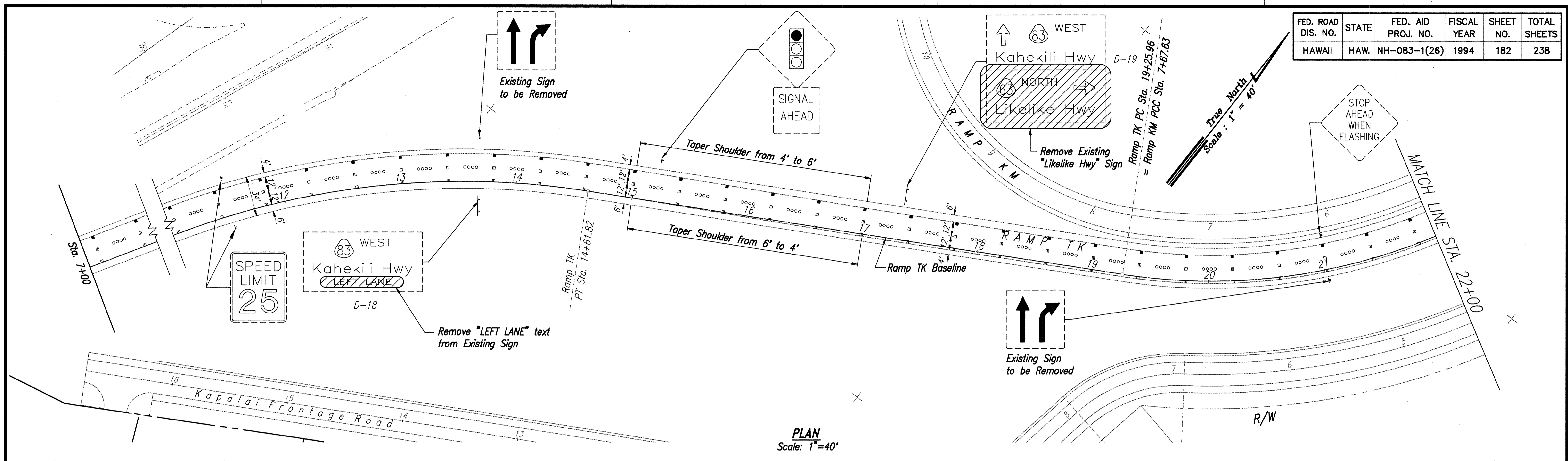
AS-BUILT C.O. 182

DESIGNED BY	DATE
TRACED BY	
INTERROCK	
QUANTITIES BY	
CHECKED BY	
NO.	

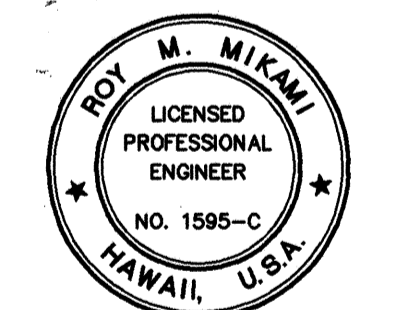
ROTATED: 92' 41"
BASE PT. 0.0

LIB: STATE DOT/KAHEKILI/ADDENDUM
SIGNSTC 8/1/97 AMW KCU

FED. ROAD DIS. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(26)	1994	182	238



DATE	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
IN CHARGE	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
 Roy M. Mikami
 Park Engineering

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

SIGNING AND STRIPING PLAN

KAHEKILI HIGHWAY WIDENING
 Likelike Hwy. to Vicinity of Haiku Road
 F.A. PROJECT NO. NH-083-1(26)

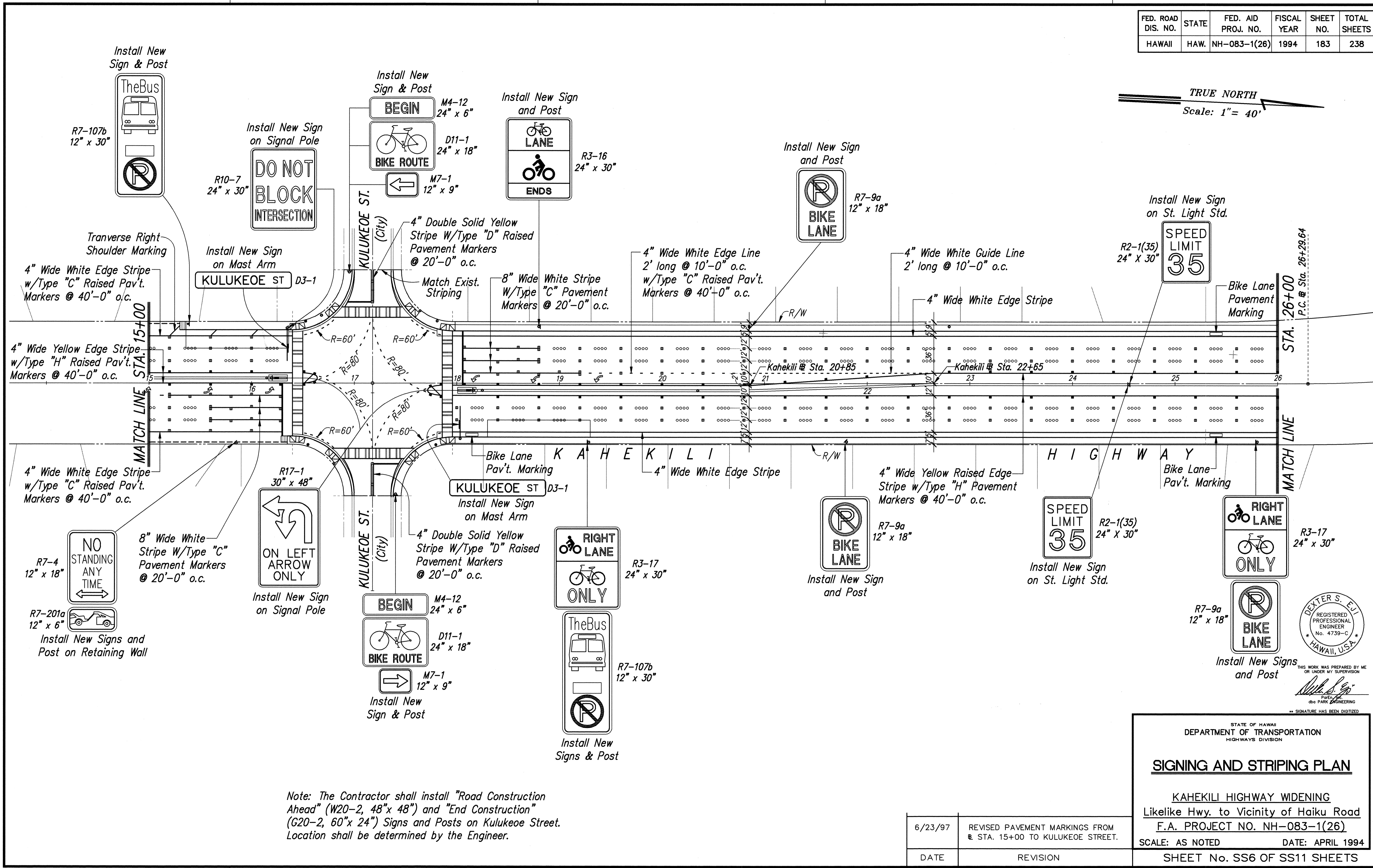
SCALE: AS NOTED DATE: APRIL 1994
 SHEET No. SS5AOF SS11 SHEETS

DATE	REVISION
7/29/97	ELIMINATED RIGHT TURN MOVEMENT FROM RAMP TK.
6/17/97	REVISED PLAN AND ADDED EXISTING SIGNING AND STRIPING.

AS-BUILT C.O. 182 S-1

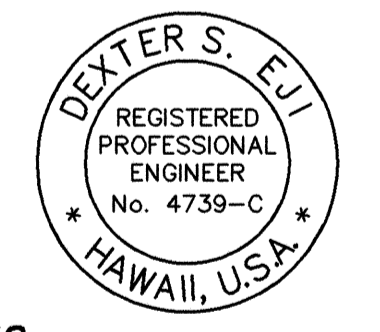
FED. ROAD DIS. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(26)	1994	183	238

TRUE NORTH
Scale: 1" = 40'



DATE	
DESIGNED BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

Note: The Contractor shall install "Road Construction Ahead" (W20-2, 48"x 48") and "End Construction" (G20-2, 60"x 24") Signs and Posts on Kuluokee Street. Location shall be determined by the Engineer.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Dexter S. Eui
dso PARK ENGINEERING
** SIGNATURE HAS BEEN DIGITIZED

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND STRIPING PLAN

KAHEKILI HIGHWAY WIDENING
Likelike Hwy. to Vicinity of Haiku Road
F.A. PROJECT NO. NH-083-1(26)

SCALE: AS NOTED DATE: APRIL 1994

SHEET No. SS6 OF SS11 SHEETS

DATE	REVISION
6/23/97	REVISED PAVEMENT MARKINGS FROM STA. 15+00 TO KULUKEOE STREET.

AS-BUILT C.O. 183

ROTATED: 92.41°
BASE P1. 0.0

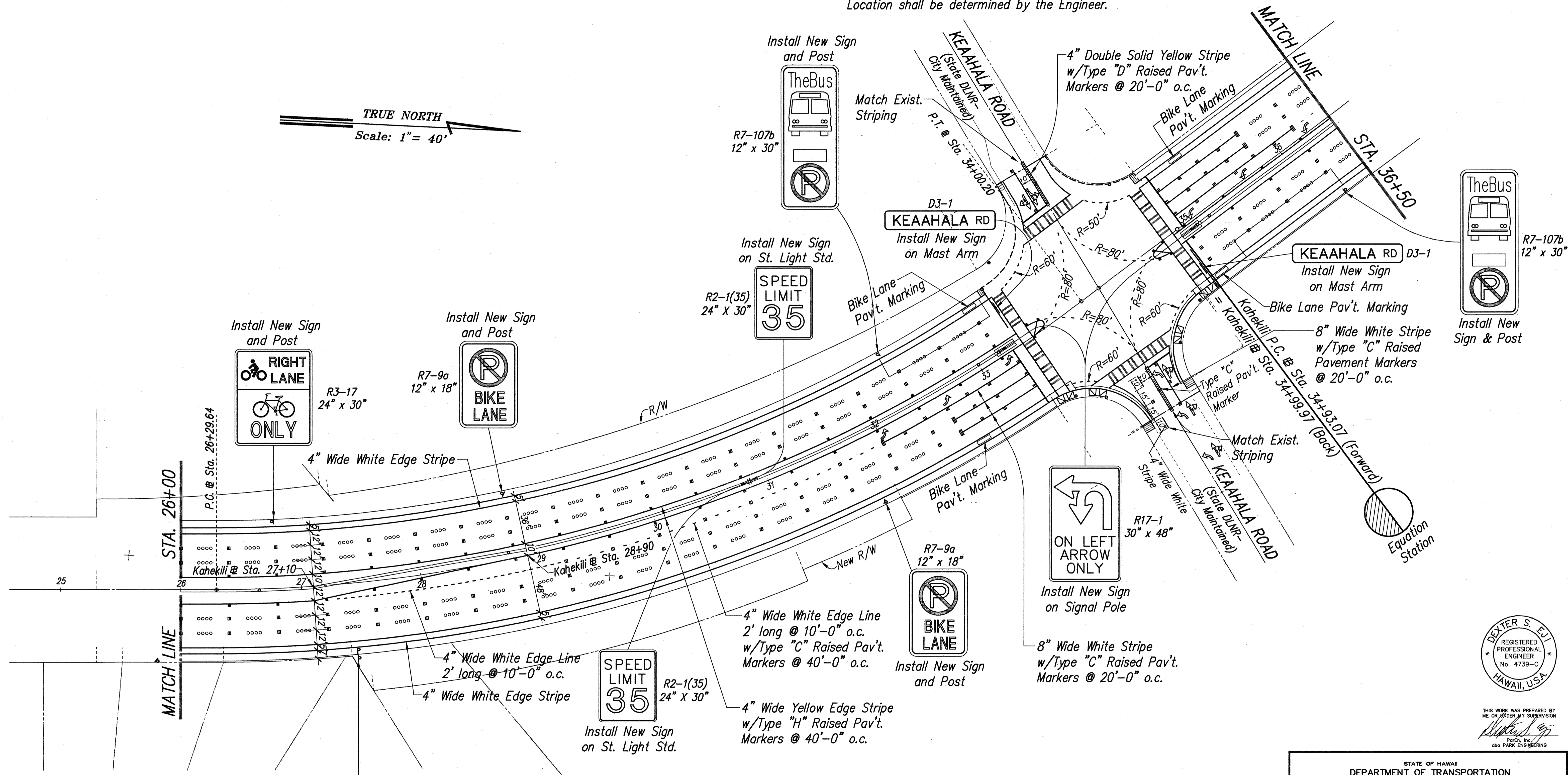
LIB: STATE DOT/KAHEKILI ADDENDUM
SIGN202: 6/23/97 AMM KSL

FED. ROAD DIS. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(26)	1994	184	238

Note: The Contractor shall install "Road Construction Ahead" (W20-2, 48"x 48") and "End Construction" (G20-2, 60"x 24") Signs and Posts on Kealahala Road. Location shall be determined by the Engineer.

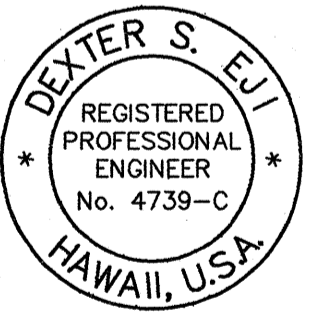
TRUE NORTH
Scale: 1" = 40'

DATE	_____
DESIGNED BY	_____
DRAWN BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NO.	_____



WINDWARD COMMUNITY COLLEGE
HAWAII STATE HOSPITAL
WINDWARD HEALTH CENTER
←

Relocate Existing Sign on New Post (2)
(See Details on Sht. SS3)



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Dexter S. Eji
Professional Engineer
dso PARK ENGINEERING

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

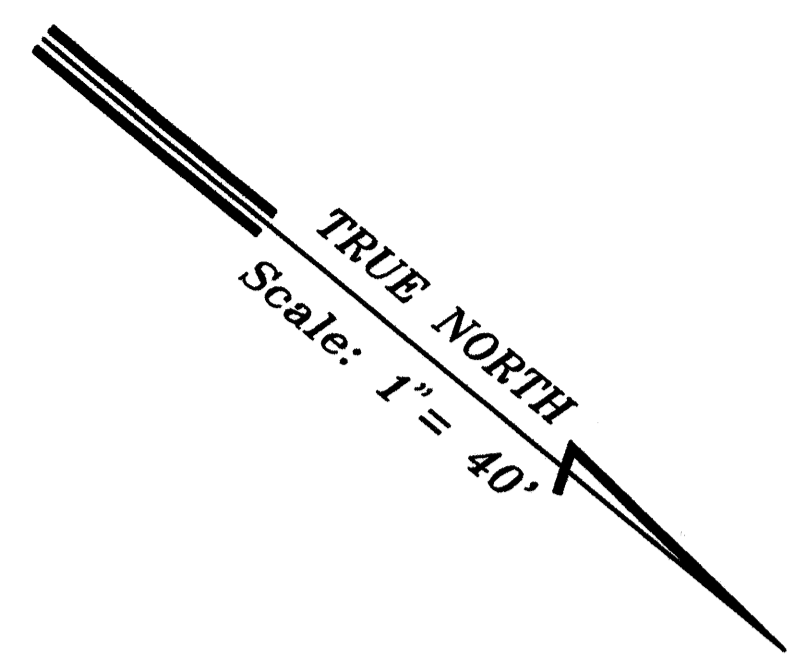
SIGNING AND STRIPING PLAN

KAHEKILI HIGHWAY WIDENING
Likelike Hwy. to Vicinity of Haiku Road
F.A. PROJECT NO. NH-083-1(26)

SCALE: AS NOTED DATE: APRIL 1994

SHEET No. SS7 OF SS11 SHEETS

FED. ROAD DIS. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(26)	1994	ADD. 185	238



Relocate Existing Sign on New Post (2)
(See Details on Sht. SS3)

WINDWARD COMMUNITY COLLEGE
HAWAII STATE HOSPITAL
WINDWARD HEALTH CENTER

Install New Sign and Post

R7-9a
12" x 18"

BIKE LANE

Install New Sign on St. Light Std.

R16-1
30" x 42"

BUCKLE UP
IT'S THE LAW

Install New Sign on St. Light Std.

R2-1(35)
24" x 30"

SPEED LIMIT
35

Install New Sign & Post

TheBus

Install New Signs and Post

R3-17
24" x 30"

RIGHT LANE ONLY

R7-9a
12" x 18"

BIKE LANE

Install New Sign on Signal Pole

R10-7
24" x 30"

DO NOT BLOCK INTERSECTION

4" Double Solid Yellow Stripe w/Type "D" Raised Pavement Markers @ 20'-0" o.c.

D3-1
KAHUHIPA ST

Install New Sign on Mast Arm

8" Wide White Stripe w/Type "C" Raised Pav't. Markers @ 20'-0" o.c.

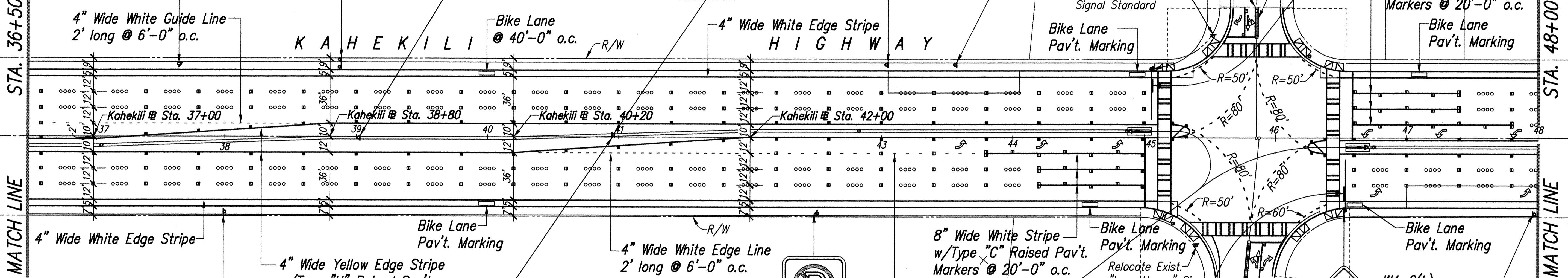
Bike Lane Pav't. Marking

STA. 36+50

MATCH LINE

STA. 48+00

MATCH LINE



4" Wide White Edge Stripe

4" Wide Yellow Edge Stripe w/Type "H" Raised Pav't. Markers @ 40'-0" o.c.

Bike Lane Pav't. Marking

4" Wide White Edge Line 2' long @ 6'-0" o.c.

R3-17
24" x 30"

RIGHT LANE ONLY

R2-1(35)
24" x 30"

SPEED LIMIT
35

Install New Sign on St. Light Std.

R7-9a
12" x 18"

BIKE LANE

Install New Sign and Post

8" Wide White Stripe w/Type "C" Raised Pav't. Markers @ 20'-0" o.c.

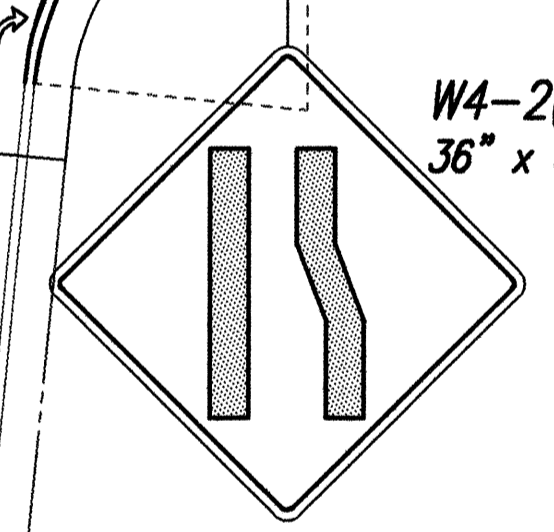
R17-1
30" x 48"

ON LEFT ARROW ONLY

Install New Sign on Signal Pole

D3-1
KAHUHIPA ST

Install New Sign on Mast Arm



R10-7
24" x 30"

DO NOT BLOCK INTERSECTION

Install New Signs on Signal Pole

R7-107b
12" x 30"

TheBus

Install New Sign & Post

R7-9a
12" x 18"

BIKE LANE

Install New Signs and Post

4" Wide White Edge Line 2' long @ 10'-0" o.c. w/Type "C" Raised Pav't. Markers @ 40'-0" o.c.

8" Wide White Stripe w/Type "C" Raised Pav't. Markers @ 20'-0" o.c.

Note: The Contractor shall install "Road Construction Ahead" (W20-2, 48"x 48") and "End Construction" (G20-2, 60"x 24") Signs and Posts on Kahuhipa Street. Location shall be determined by the Engineer.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Dexter S. Eji
Professional Engineer
No. 4739-C
HAWAII, U.S.A.

DATE	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
ORIGINAL PLAN	
NOTES	
NO.	

DATE	REVISION
6/07/94	ADDED RELOCATE EXIST. "LANE USAGE" SIGN. REVISED LOCATION OF "BUS STOP" AND "BIKE LANE" SIGNS.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND STRIPING PLAN

KAHEKILI HIGHWAY WIDENING
Likelike Hwy. to Vicinity of Haiku Road
F.A. PROJECT NO. NH-083-1(26)

SCALE: AS NOTED DATE: APRIL 1994

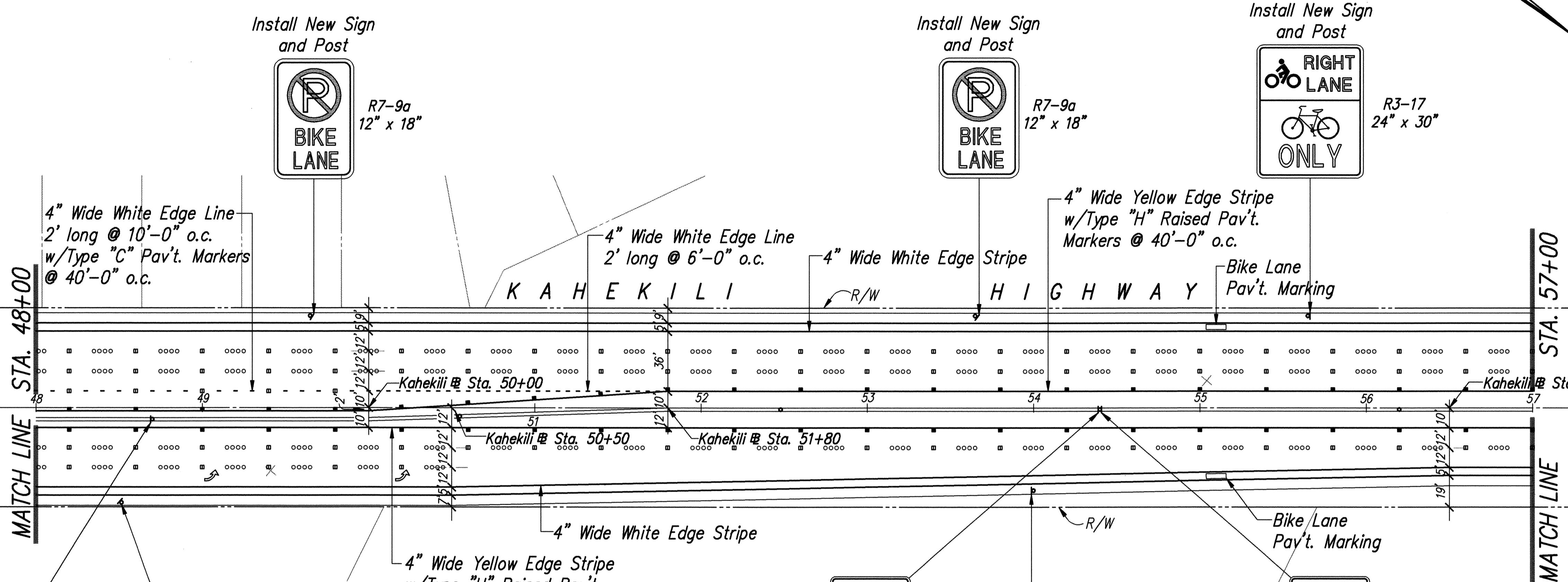
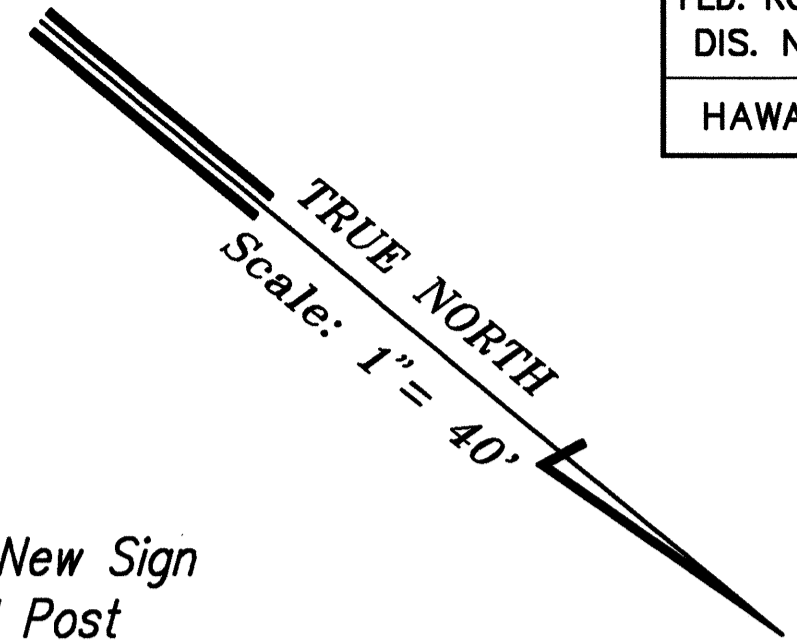
SHEET No. SS8 OF SS11 SHEETS

AS-BUILT ADD. 185

ROTATED: 129° 28' 30"
BASE PT. 0,0

LIB: STATE DOT\VAHEKILI\ADDENDUM
SIGN54R 6/06/94

FED. ROAD DIS. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(26)	1994	186	238



R16-1
30" x 42"
BUCKLE UP

IT'S THE LAW
Install New Sign on St. Light Std.

R7-9a
12" x 18"
BIKE LANE
Install New Sign and Post

R2-1(35)
24" x 30"
SPEED LIMIT 35
Install New Sign on St. Light Std.

R3-17
24" x 30"
RIGHT LANE ONLY
Install New Sign and Post

R2-1(35)
24" x 30"
SPEED LIMIT 35
Install New Sign on St. Light Std.



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Dexter S. Eji
Dexter S. Eji
dso PARK ENGINEERING
** SIGNATURE HAS BEEN DIGITIZED

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND STRIPING PLAN

KAHEKILI HIGHWAY WIDENING
Likelike Hwy. to Vicinity of Haiku Road
F.A. PROJECT NO. NH-083-1(26)
SCALE: AS NOTED DATE: APRIL 1994
SHEET No. SS9 OF SS11 SHEETS

DATE	REVISION
6/27/97	ADDED PAVEMENT MARKERS AND ARROWS BETWEEN STA. 48+00 AND STA. 50+50

AS-BUILT C.O. 186

DATE	
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

ROTATED: 129.28 30'
BASE PT. 0.0

LIB. STATE DOT/KAHEKILI APPENDIX
SIGNING: 6/27/97 AMM KCS

