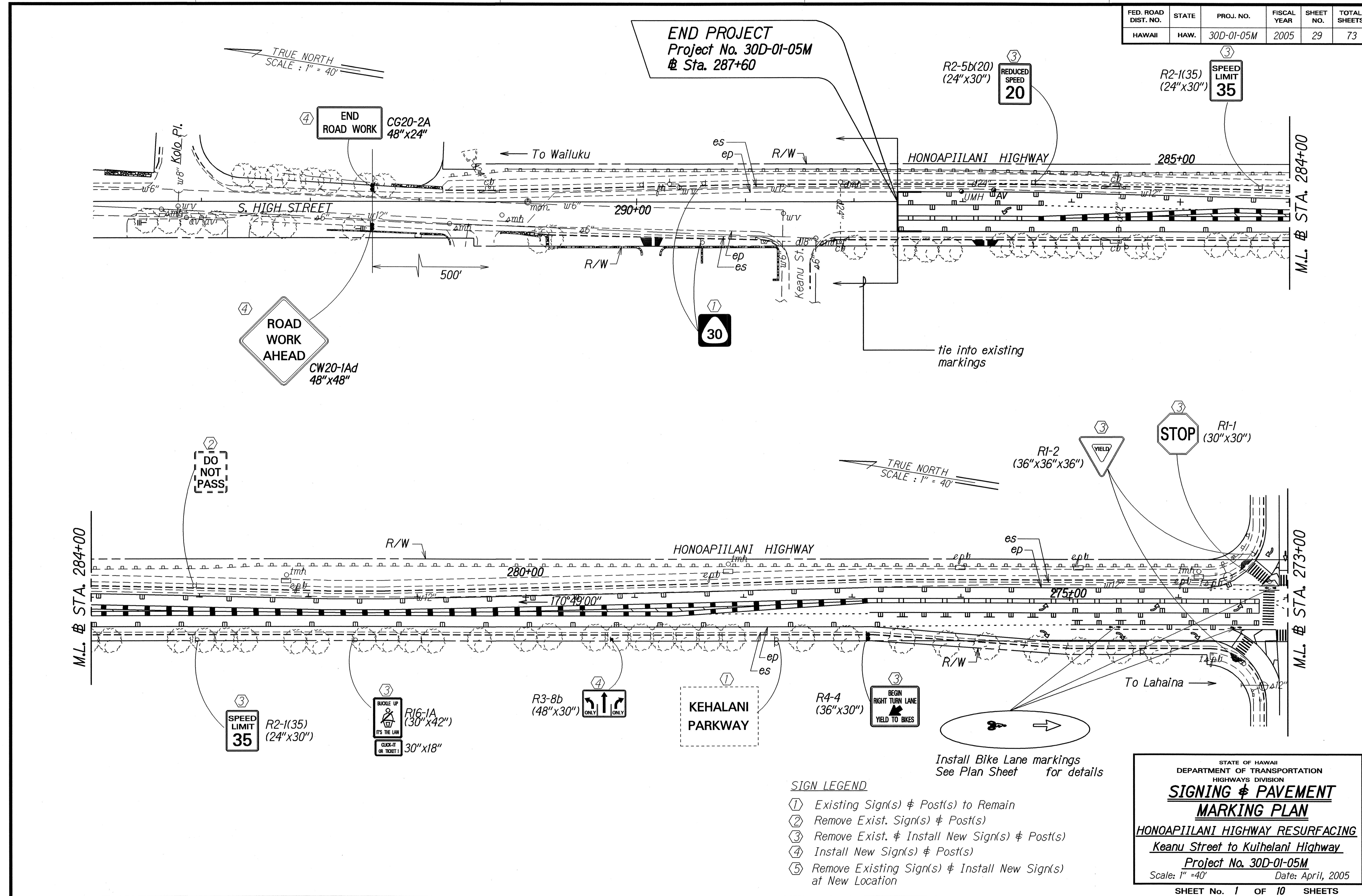


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30D-01-05M	2005	29	73



END PROJECT
 Project No. 30D-01-05M
 @ Sta. 287+60

SURVEY PLOTTED BY _____ DATE 4/05
 TRACED BY _____
 NOTE BOOK DESIGNED BY Jm
 QUANTITIES BY Jm
 CHECKED BY Jm

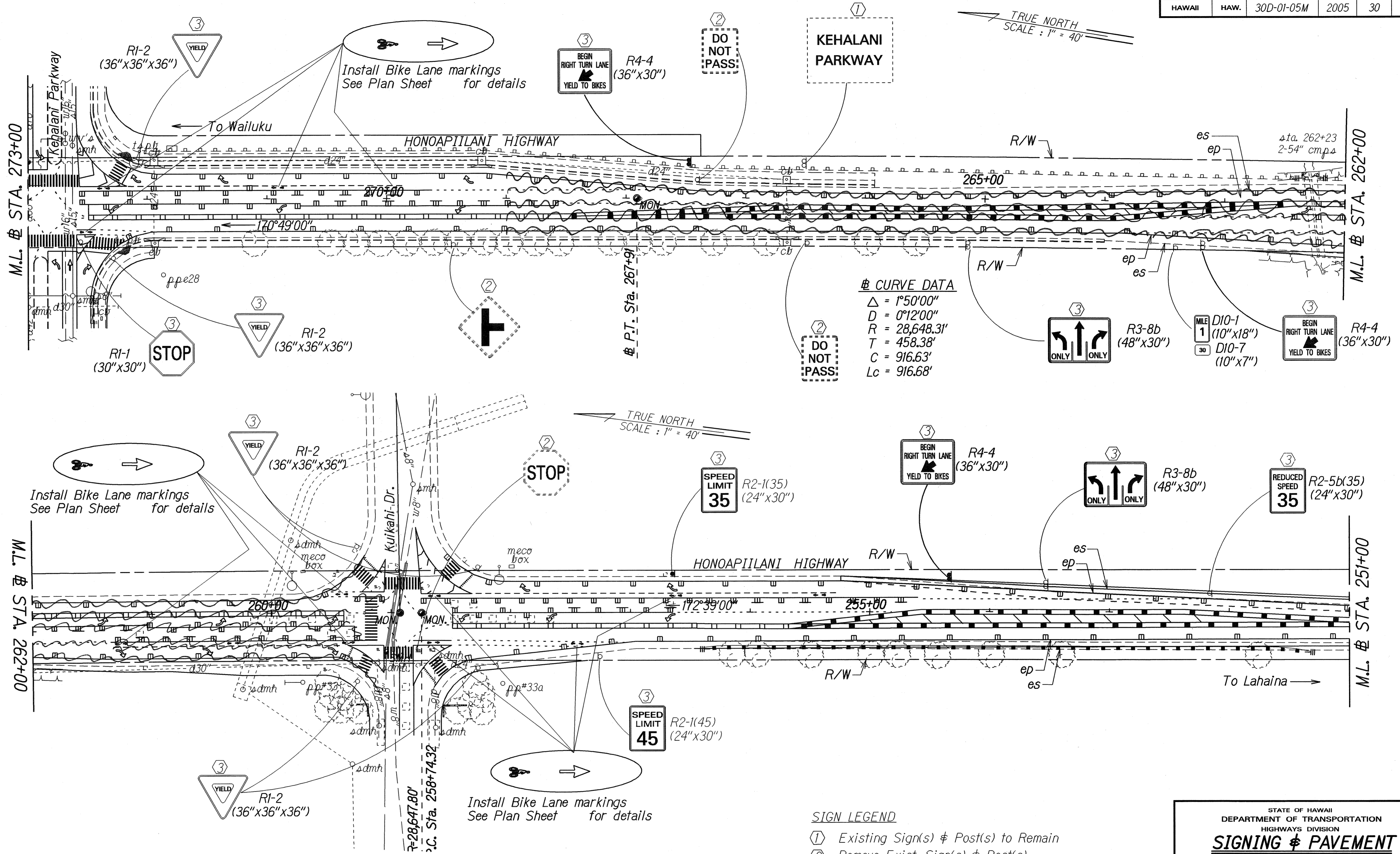
- SIGN LEGEND**
- ① Existing Sign(s) & Post(s) to Remain
 - ② Remove Exist. Sign(s) & Post(s)
 - ③ Remove Exist. & Install New Sign(s) & Post(s)
 - ④ Install New Sign(s) & Post(s)
 - ⑤ Remove Existing Sign(s) & Install New Sign(s) at New Location

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKING PLAN

HONOAPIILANI HIGHWAY RESURFACING
 Keanu Street to Kihelani Highway
 Project No. 30D-01-05M
 Scale: 1" = 40' Date: April, 2005
 SHEET No. 1 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30D-01-05M	2005	30	73

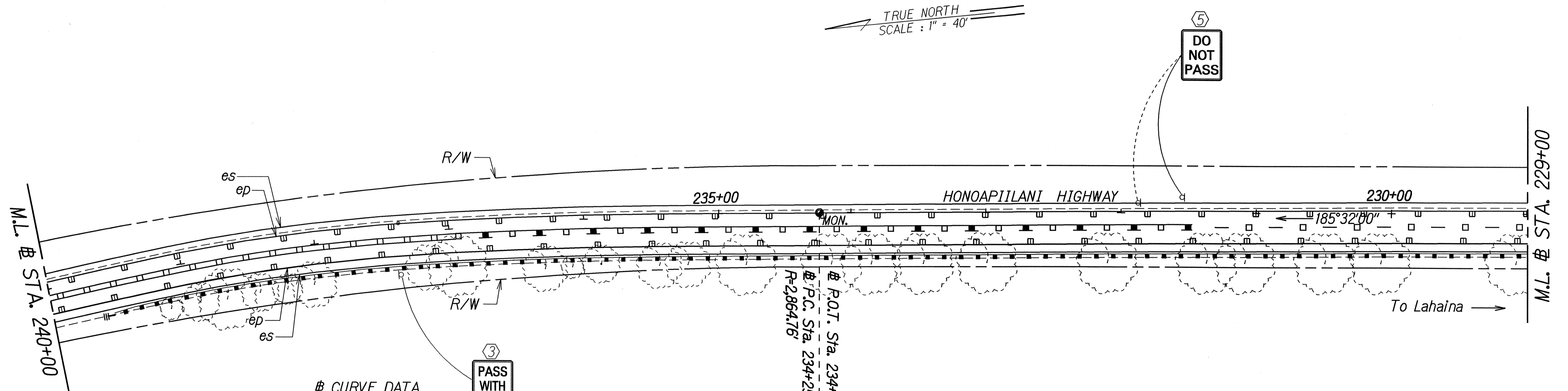
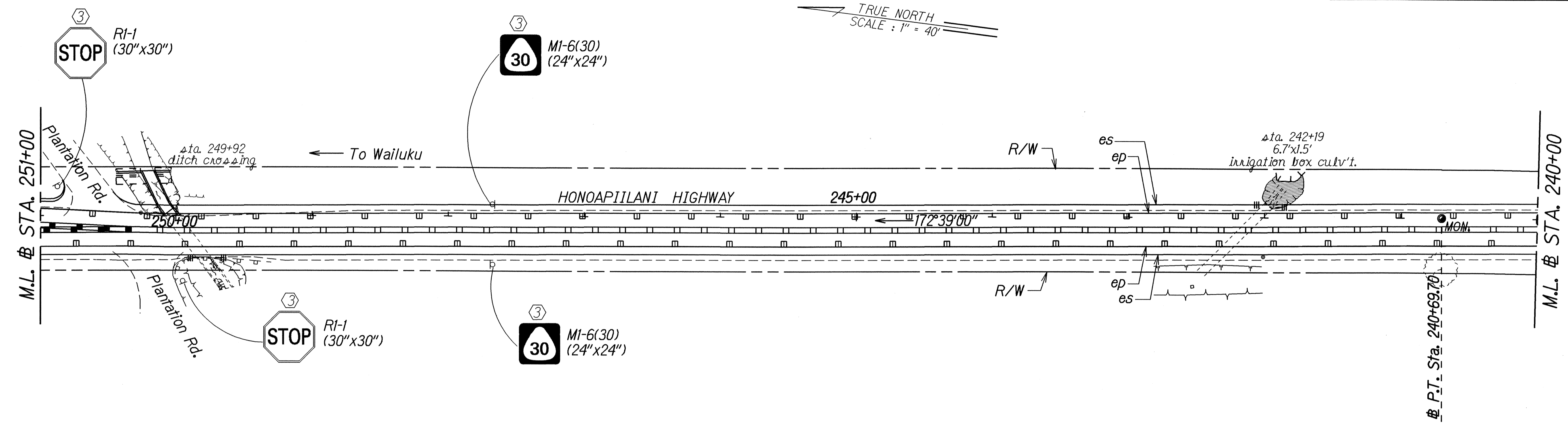


SURVEY PLOTTED BY: _____ DATE: 4/05
 DRAWN BY: _____
 CHECKED BY: _____
 ORIGINAL PLAN: _____
 NOTE BOOK: _____
 LOG/IN: _____
 QUANTITIES BY: _____
 CHECKED BY: _____

- SIGN LEGEND**
- ① Existing Sign(s) & Post(s) to Remain
 - ② Remove Exist. Sign(s) & Post(s)
 - ③ Remove Exist. & Install New Sign(s) & Post(s)
 - ④ Install New Sign(s) & Post(s)
 - ⑤ Remove Existing Sign(s) & Install New Sign(s) at New Location

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN
HONOAPIILANI HIGHWAY RESURFACING
 Keanu Street to Kuihelani Highway
 Project No. 30D-01-05M
 Scale: 1" = 40' Date: April, 2005
 SHEET No. 2 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30D-01-05M	2005	31	73



③ CURVE DATA
 $\Delta = 12^{\circ}53'00''$
 $D = 2^{\circ}00'00''$
 $R = 2,864.76'$
 $T = 323.44'$
 $C = 642.80'$
 $Lc = 644.16'$

⑤ P.C. Sta. 234+25.54 Bk. =
 ⑤ P.O.T. Sta. 234+23.31 Ah. EQ.

SIGN LEGEND

- ① Existing Sign(s) & Post(s) to Remain
- ② Remove Exist. Sign(s) & Post(s)
- ③ Remove Exist. & Install New Sign(s) & Post(s)
- ④ Install New Sign(s) & Post(s)
- ⑤ Remove Existing Sign(s) & Install New Sign(s) at New Location

DATE	4/05
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

**SIGNING & PAVEMENT
 MARKING PLAN**

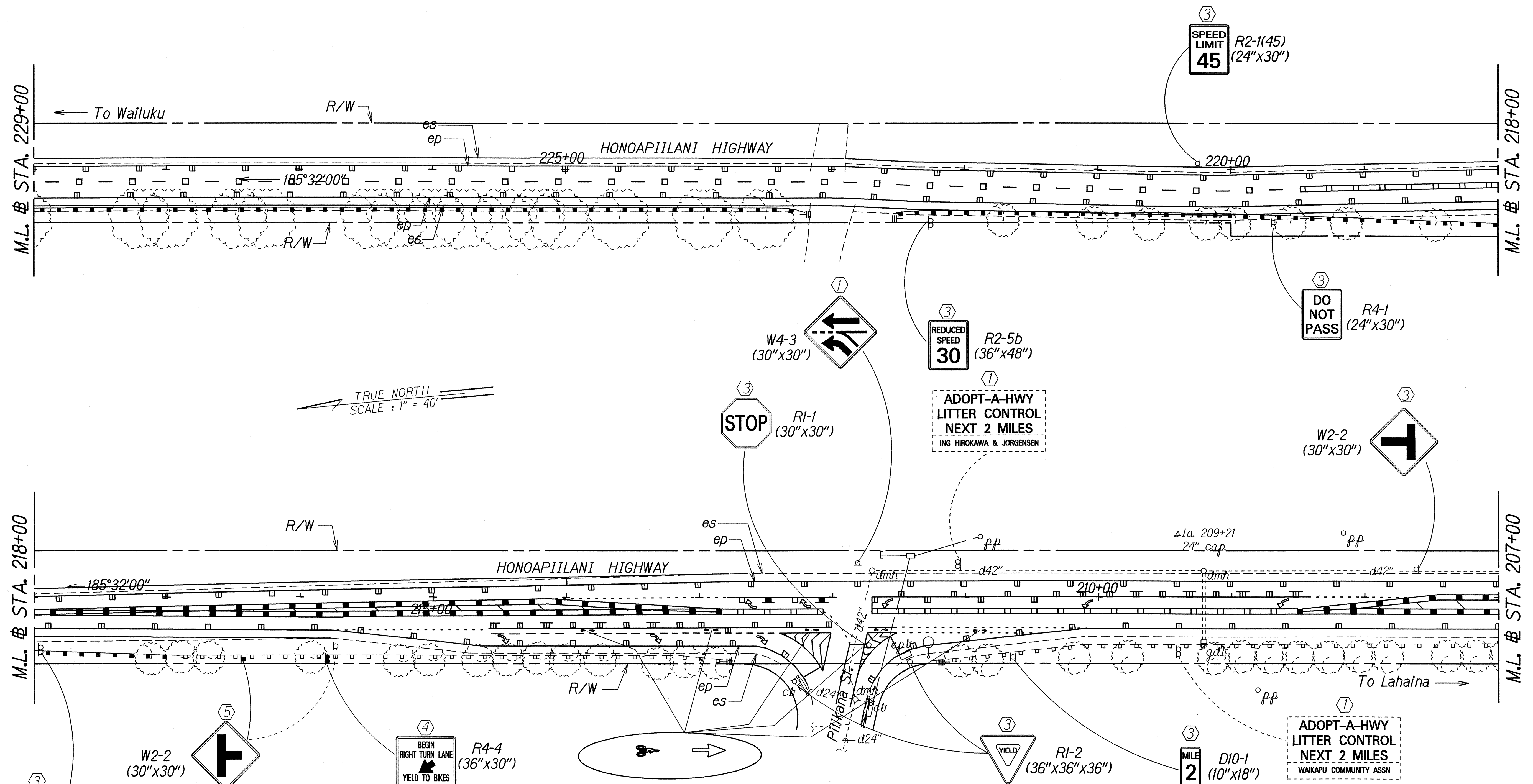
HONOAPIILANI HIGHWAY RESURFACING
 Keanu Street to Kuihelani Highway

Project No. 30D-01-05M
 Scale: 1" = 40' Date: April, 2005

SHEET No. 3 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30D-01-05M	2005	32	73

TRUE NORTH
SCALE : 1" = 40'



Install Bike Lane markings
See Plan Sheet for details

SIGN LEGEND

- ① Existing Sign(s) & Post(s) to Remain
- ② Remove Exist. Sign(s) & Post(s)
- ③ Remove Exist. & Install New Sign(s) & Post(s)
- ④ Install New Sign(s) & Post(s)
- ⑤ Remove Existing Sign(s) & Install New Sign(s) at New Location

SURVEY PLOTTED BY	DATE
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

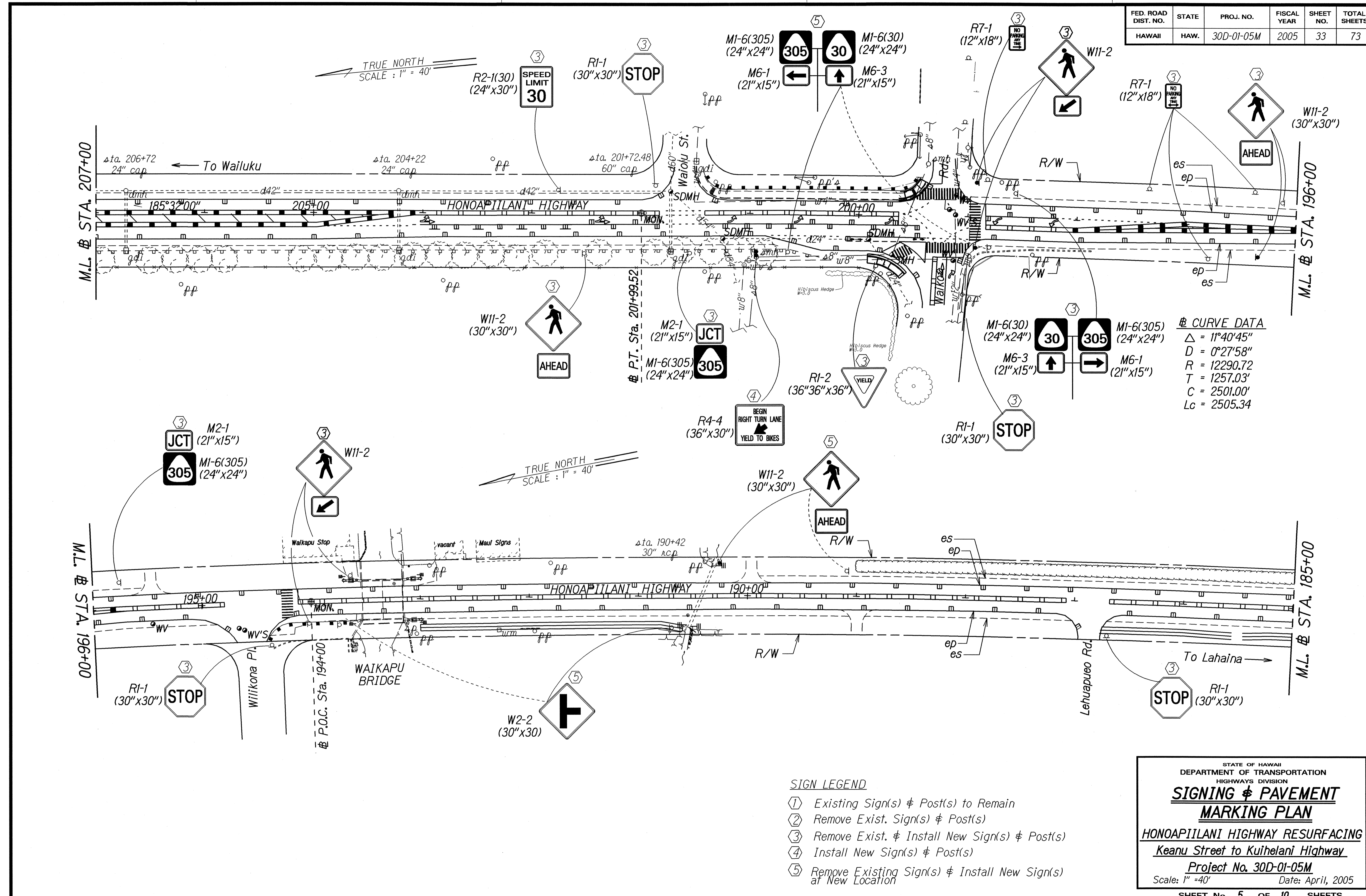
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKING PLAN

HONOAPIILANI HIGHWAY RESURFACING
Keanu Street to Kuihelani Highway
Project No. 30D-01-05M
Scale: 1" = 40' Date: April, 2005

SHEET No. 4 OF 10 SHEETS

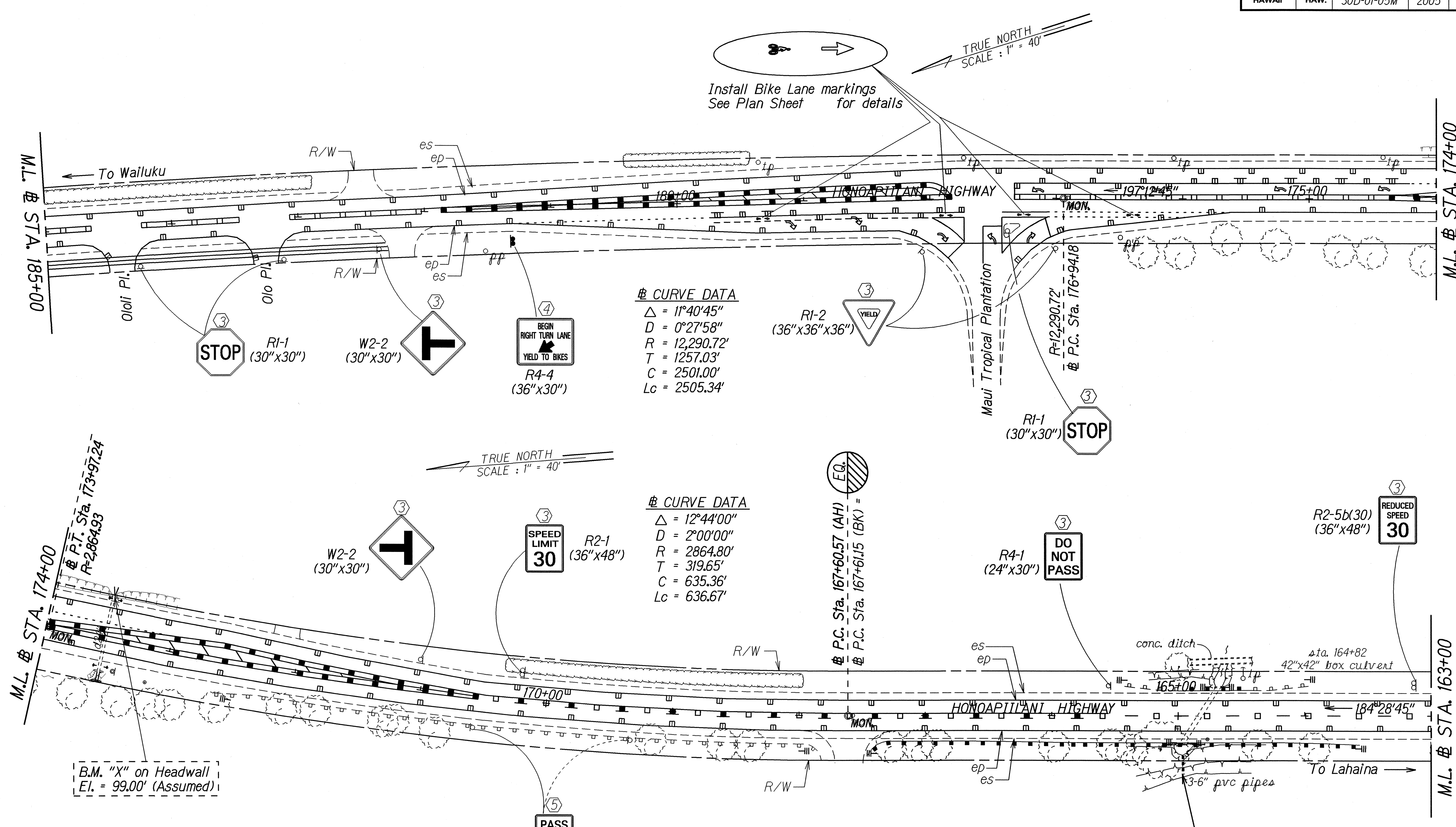
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30D-01-05M	2005	33	73



ORIGINAL PLAN	DATE
DESIGNED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN
HONOAPIILANI HIGHWAY RESURFACING
Keanu Street to Kuihelani Highway
Project No. 30D-01-05M
Scale: 1" = 40' Date: April, 2005
SHEET No. 5 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30D-01-05M	2005	34	73



§ CURVE DATA
 $\Delta = 11^{\circ}40'45''$
 $D = 0^{\circ}27'58''$
 $R = 12,290.72'$
 $T = 1257.03'$
 $C = 2501.00'$
 $L_c = 2505.34'$

§ CURVE DATA
 $\Delta = 12^{\circ}44'00''$
 $D = 2^{\circ}00'00''$
 $R = 2864.80'$
 $T = 319.65'$
 $C = 635.36'$
 $L_c = 636.67'$

- SIGN LEGEND**
- ① Existing Sign(s) & Post(s) to Remain
 - ② Remove Exist. Sign(s) & Post(s)
 - ③ Remove Exist. & Install New Sign(s) & Post(s)
 - ④ Install New Sign(s) & Post(s)
 - ⑤ Remove Existing Sign(s) & Install New Sign(s) at New Location

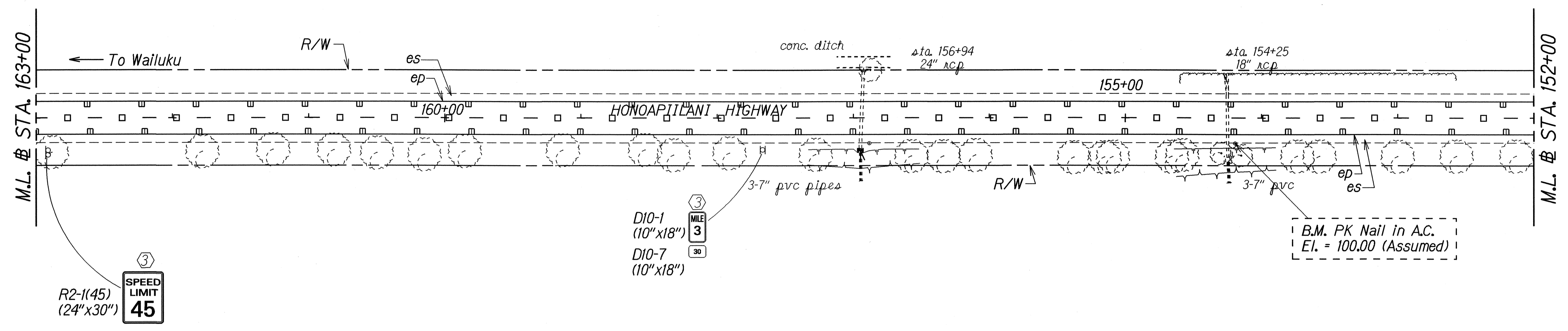
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN
HONOAPIILANI HIGHWAY RESURFACING
Keanu Street to Kuihelani Highway
Project No. 30D-01-05M
Scale: 1" = 40' Date: April, 2005
SHEET No. 6 OF 10 SHEETS

SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

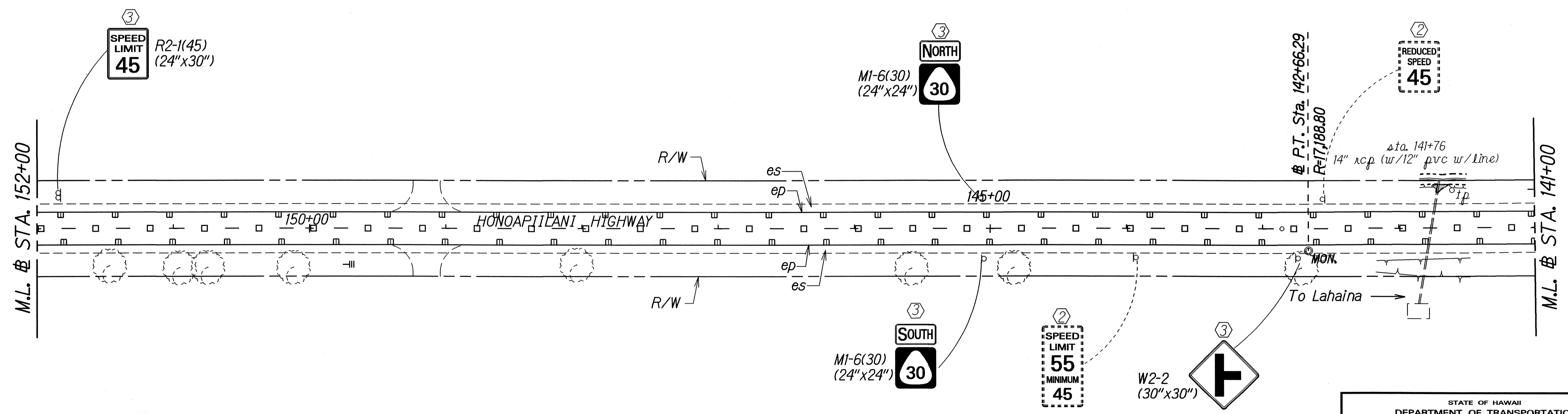
B.M. "X" on Headwall
El. = 99.00' (Assumed)

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30D-01-05M	2005	35	73

TRUE NORTH
SCALE : 1" = 40'



TRUE NORTH
SCALE : 1" = 40'



SIGN LEGEND

- ① Existing Sign(s) & Post(s) to Remain
- ② Remove Exist. Sign(s) & Post(s)
- ③ Remove Exist. & Install New Sign(s) & Post(s)
- ④ Install New Sign(s) & Post(s)
- ⑤ Remove Existing Sign(s) & Install New Sign(s) at New Location

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**SIGNING & PAVEMENT
MARKING PLAN**

HONOAPIILANI HIGHWAY RESURFACING
Keanu Street to Kuihelani Highway
Project No. 30D-01-05M
Scale: 1" = 40' Date: April, 2005

SHEET No. 7 OF 10 SHEETS

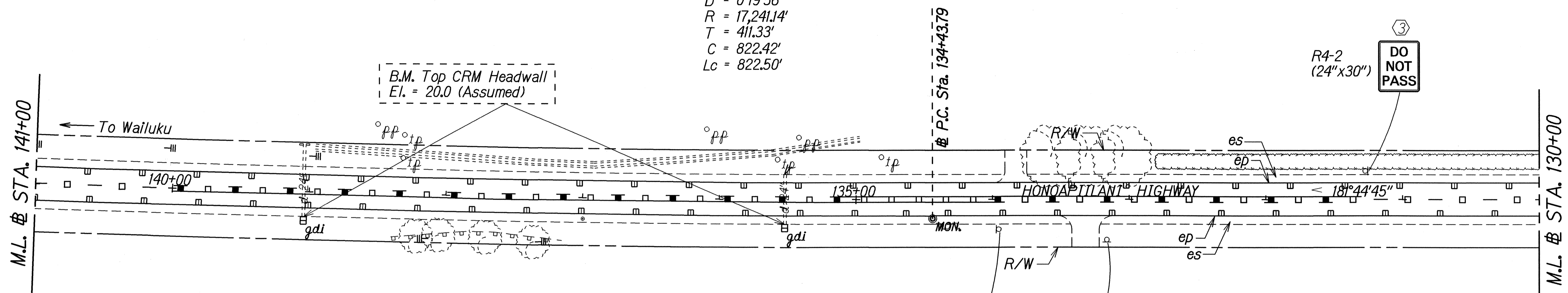
SURVEY PLOTTED BY	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30D-01-05M	2005	36	73

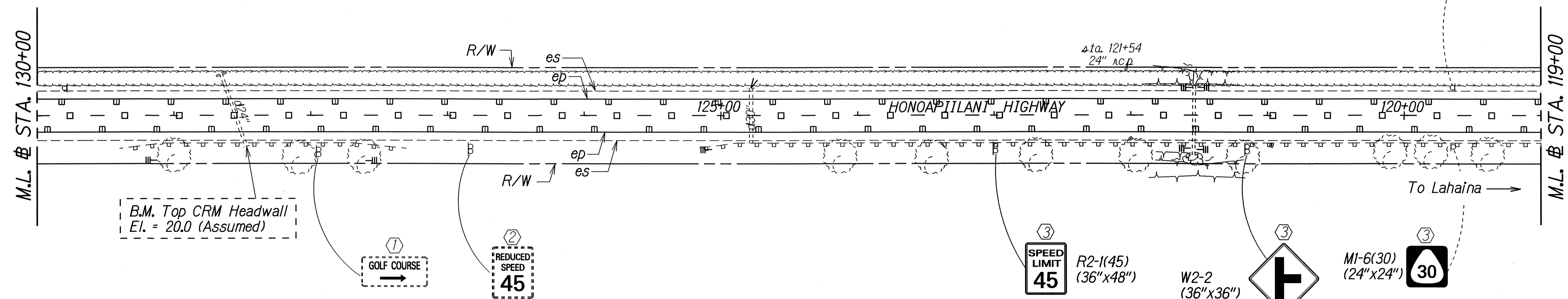
⊕ CURVE DATA

$\Delta = 2^{\circ}44'00''$
 $D = 0^{\circ}19'56''$
 $R = 17,241.14'$
 $T = 411.33'$
 $C = 822.42'$
 $Lc = 822.50'$

TRUE NORTH
SCALE: 1" = 40'



TRUE NORTH
SCALE: 1" = 40'



SURVEY PLOTTED BY	DATE
DESIGNED BY	3/7/05
NOTED BY	
QUANTITIES BY	
CHECKED BY	

SIGN LEGEND

- ① Existing Sign(s) & Post(s) to Remain
- ② Remove Exist. Sign(s) & Post(s)
- ③ Remove Exist. & Install New Sign(s) & Post(s)
- ④ Install New Sign(s) & Post(s)
- ⑤ Remove Existing Sign(s) & Install New Sign(s) at New Location

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

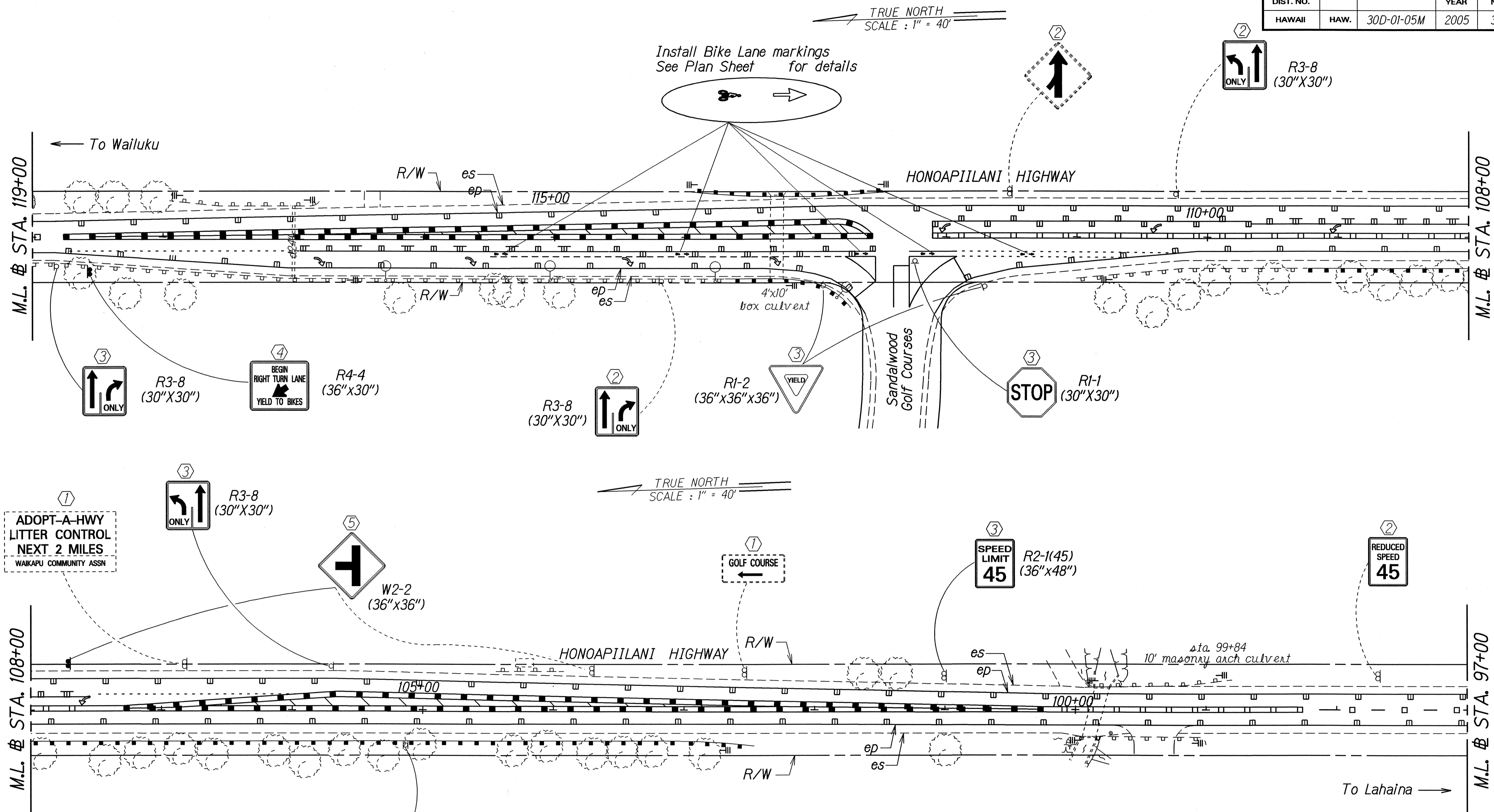
SIGNING & PAVEMENT MARKING PLAN

HONOAPIILANI HIGHWAY RESURFACING
Keanu Street to Kuihelani Highway

Project No. 30D-01-05M
Scale: 1" = 40' Date: April, 2005

SHEET No. 8 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30D-01-05M	2005	37	73



SURVEY PLOTTED BY	DATE
DESIGNED BY	4/05
NOTE BOOK	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

SIGN LEGEND

- ① Existing Sign(s) & Post(s) to Remain
- ② Remove Exist. Sign(s) & Post(s)
- ③ Remove Exist. & Install New Sign(s) & Post(s)
- ④ Install New Sign(s) & Post(s)
- ⑤ Remove Existing Sign(s) & Install New Sign(s) at New Location

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

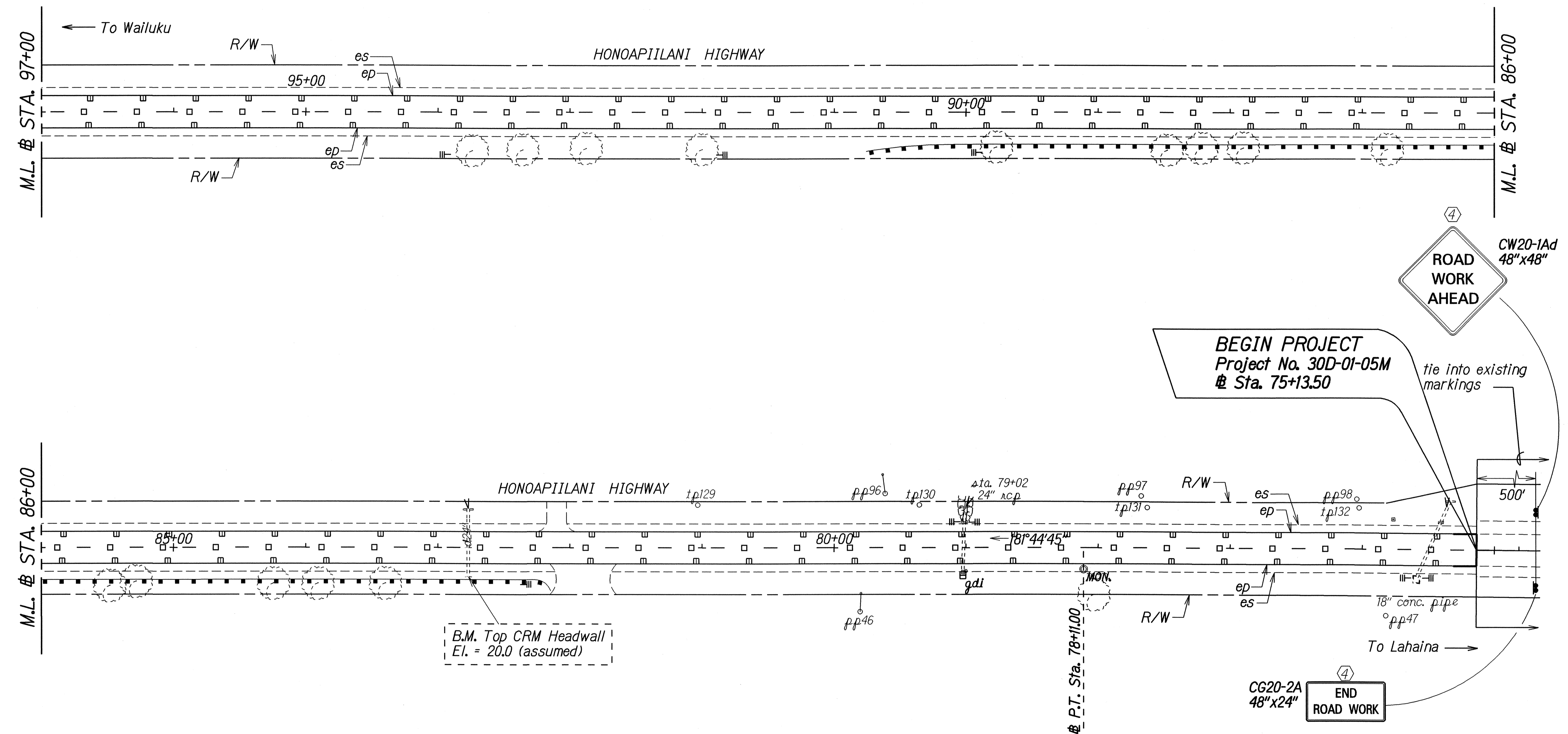
**SIGNING & PAVEMENT
MARKING PLAN**

HONOAPIILANI HIGHWAY RESURFACING
Keanu Street to Kuihelani Highway
Project No. 30D-01-05M
Scale: 1" = 40' Date: April, 2005

SHEET No. 9 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30D-01-05M	2005	38	73

TRUE NORTH
SCALE: 1" = 40'



ORIGINAL PLAN	DATE
NOTED BY	4/7/05
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

- SIGN LEGEND**
- ① Existing Sign(s) & Post(s) to Remain
 - ② Remove Exist. Sign(s) & Post(s)
 - ③ Remove Exist. & Install New Sign(s) & Post(s)
 - ④ Install New Sign(s) & Post(s)
 - ⑤ Remove Existing Sign(s) & Install New Sign(s) at New Location

④ CURVE DATA
 $\Delta = 6^{\circ}29'19''$
 $D = 0^{\circ}10'02''$
 $R = 34,254.32'$
 $T = 1,941.69'$
 $C = 3,877.15'$
 $Lc = 3,879.22'$

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKING PLAN

HONOAPIILANI HIGHWAY RESURFACING
Keanu Street to Kuihelani Highway
Project No. 30D-01-05M
Scale: 1" = 40' Date: April, 2005

SHEET No. 10 OF 10 SHEETS