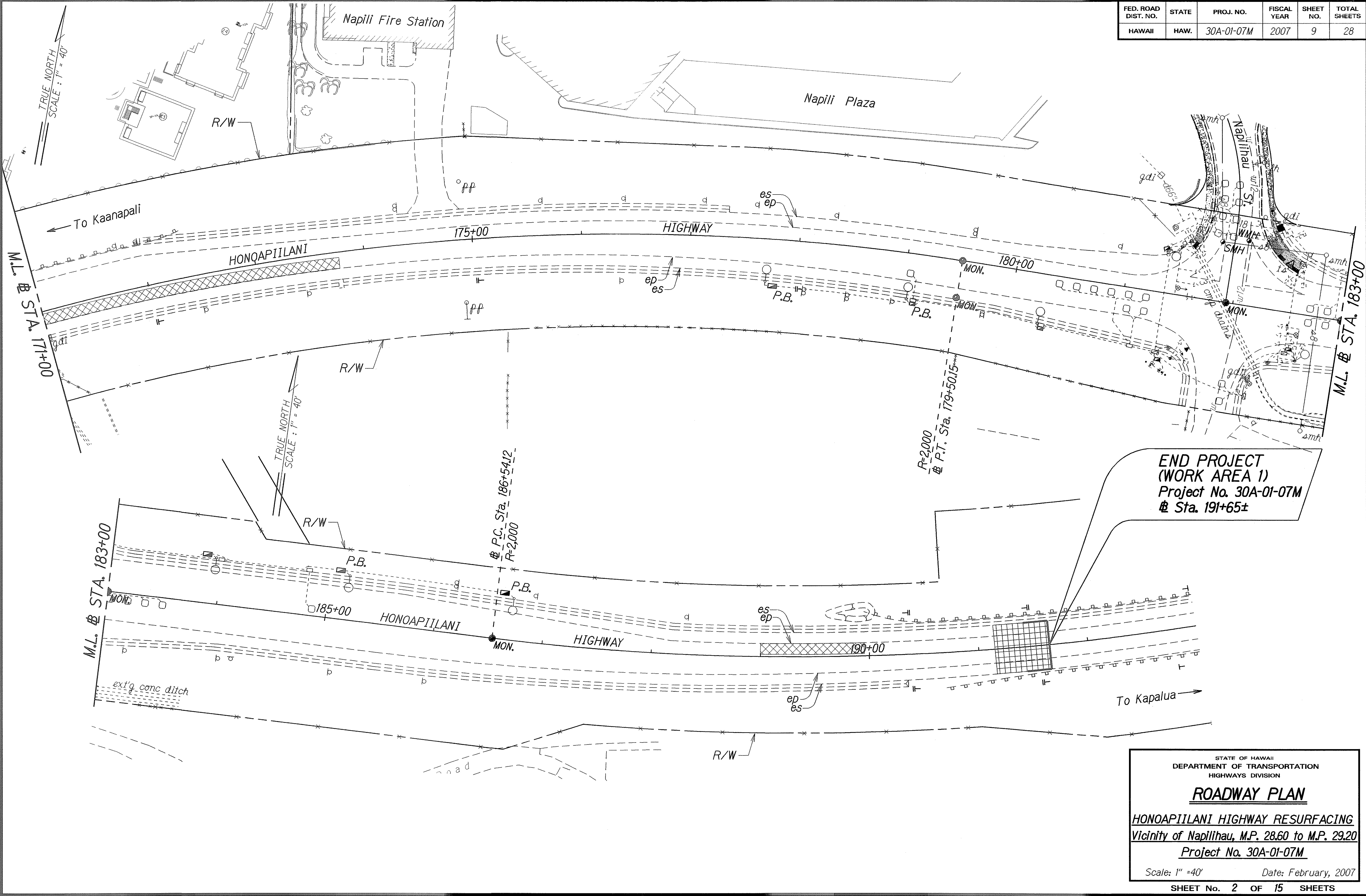


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-07M	2007	9	28



ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTED BY	
CHECKED BY	
DATE	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

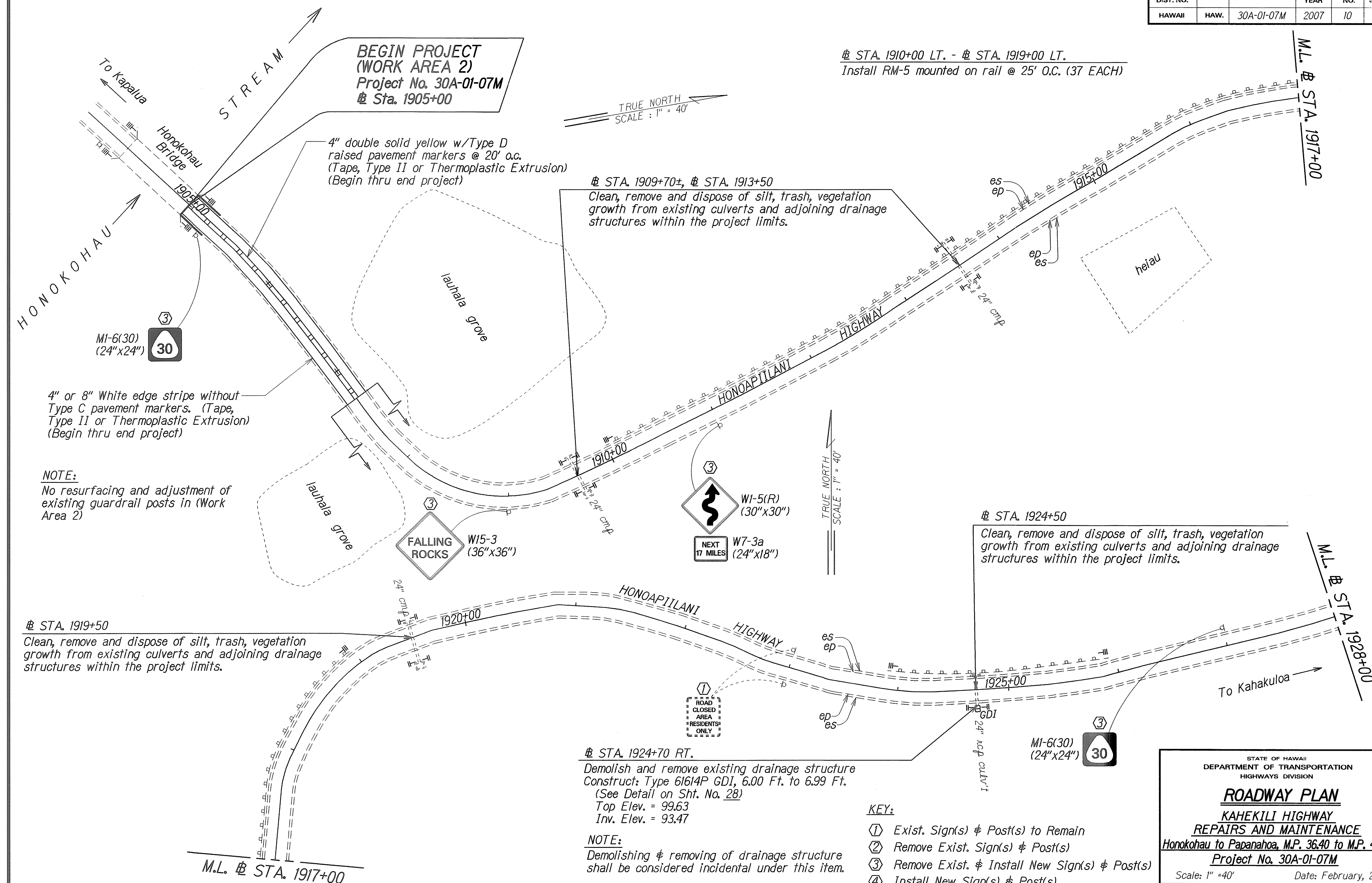
ROADWAY PLAN

HONOAPIILANI HIGHWAY RESURFACING
Vicinity of Napilihau, M.P. 28.60 to M.P. 29.20
Project No. 30A-01-07M

Scale: 1" = 40' Date: February, 2007

SHEET No. 2 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-07M	2007	10	28



ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
NOTE BOOK <i>mel, lay unimol, dan</i>	DRAWN BY <i>40</i>	<i>8/16</i>
	TRACED BY _____	_____
	DESIGNED BY <i>57</i>	_____
	QUANTITIES BY _____	_____
	CHECKED BY _____	_____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KAHEKILI HIGHWAY
REPAIRS AND MAINTENANCE

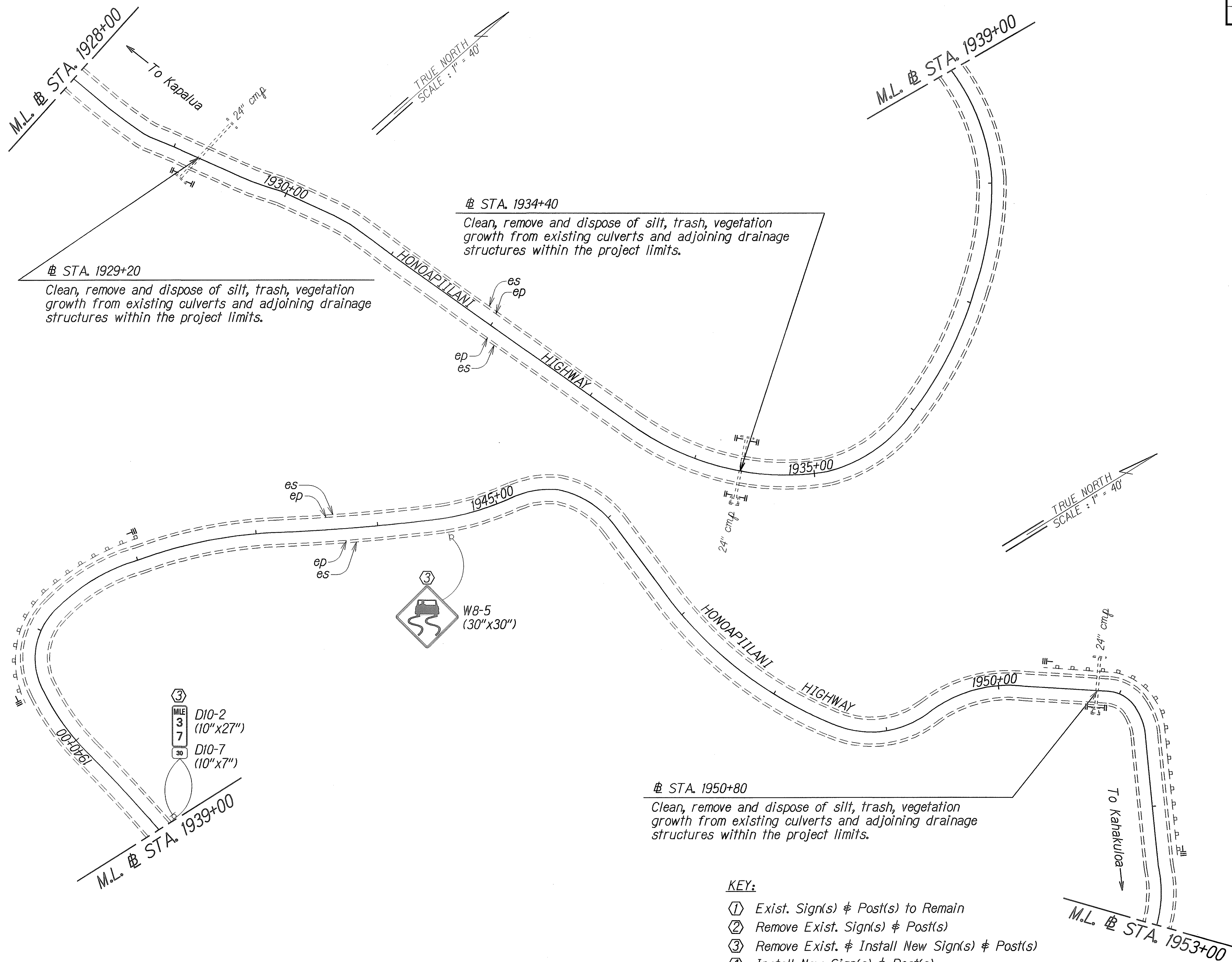
Honokohau to Papanahoa, M.P. 36.40 to M.P. 41.61

Project No. 30A-01-07M

Scale: 1" = 40' Date: February, 2007

SHEET No. 3 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-07M	2007	11	28



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BOOK	DRAWN BY	2/06
NOTED BY	DESIGNED BY	
CHECKED BY	QUANTITIES BY	

KEY:

- ① Exist. 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)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KAHEKILI HIGHWAY

REPAIRS AND MAINTENANCE

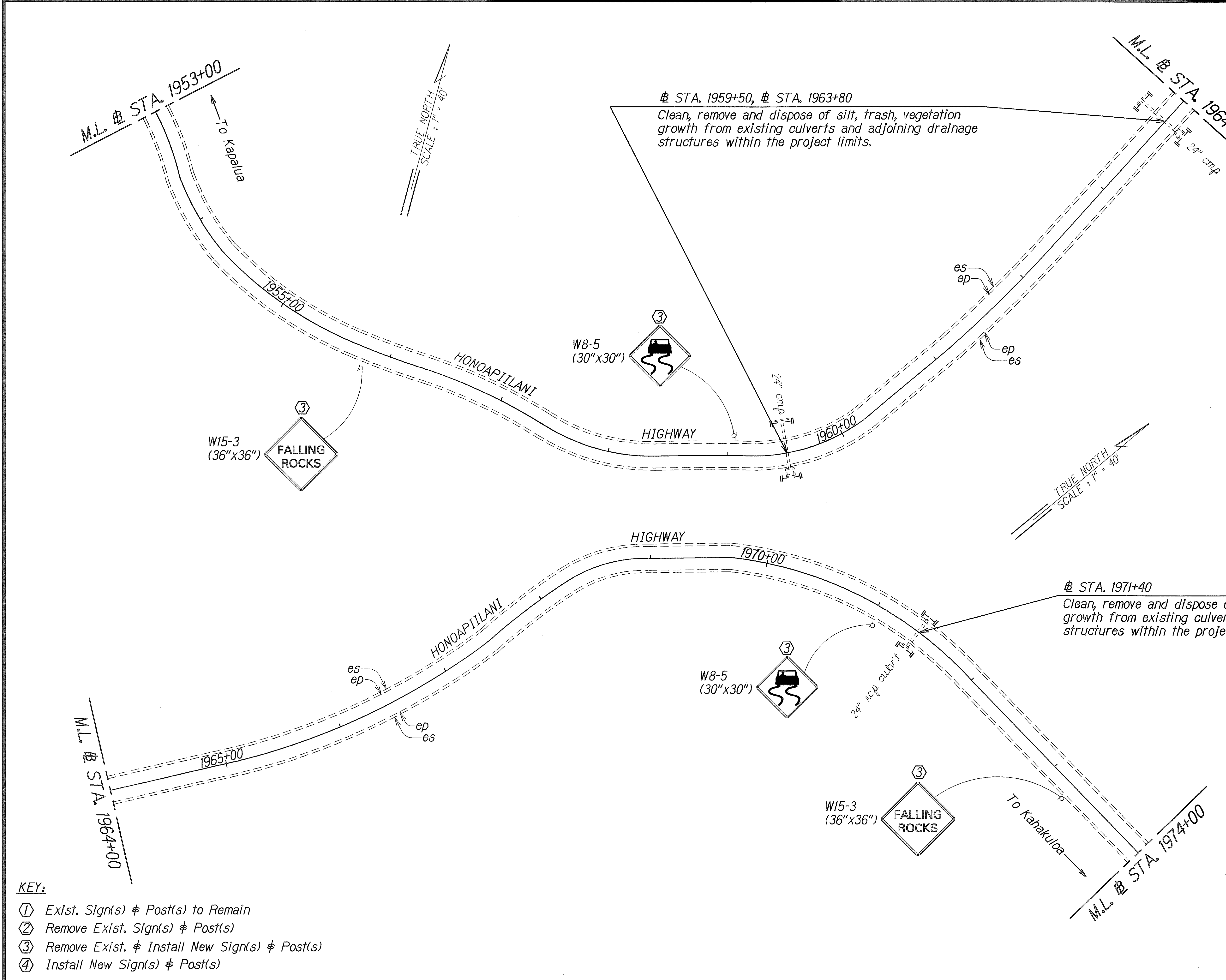
Honokohau to Papanahoa, M.P. 36.40 to M.P. 41.67

Project No. 30A-01-07M

Scale: 1" = 40' Date: February, 2007

SHEET No. 4 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-07M	2007	12	26



- KEY:**
- ① Exist. 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)

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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me:lay	DRAWN BY	
me:lay	CHECKED BY	
me:lay	QUANTITIES BY	
me:lay	REVISIONS BY	

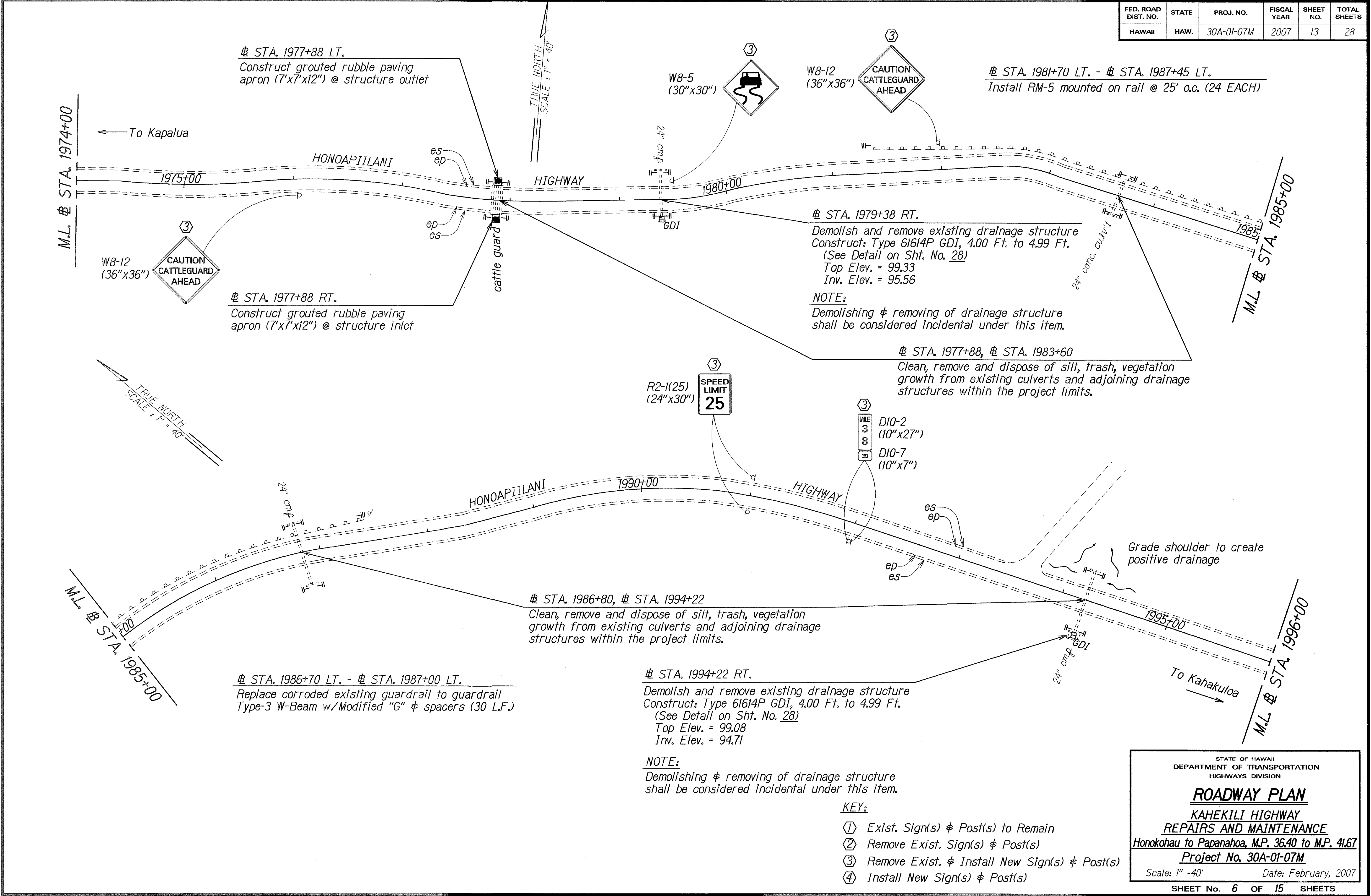
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KAHEKILI HIGHWAY
REPAIRS AND MAINTENANCE
Honokohau to Papanahoa, M.P. 36.40 to M.P. 41.67
Project No. 30A-01-07M

Scale: 1" = 40' Date: February, 2007

SHEET No. 5 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-07M	2007	13	28

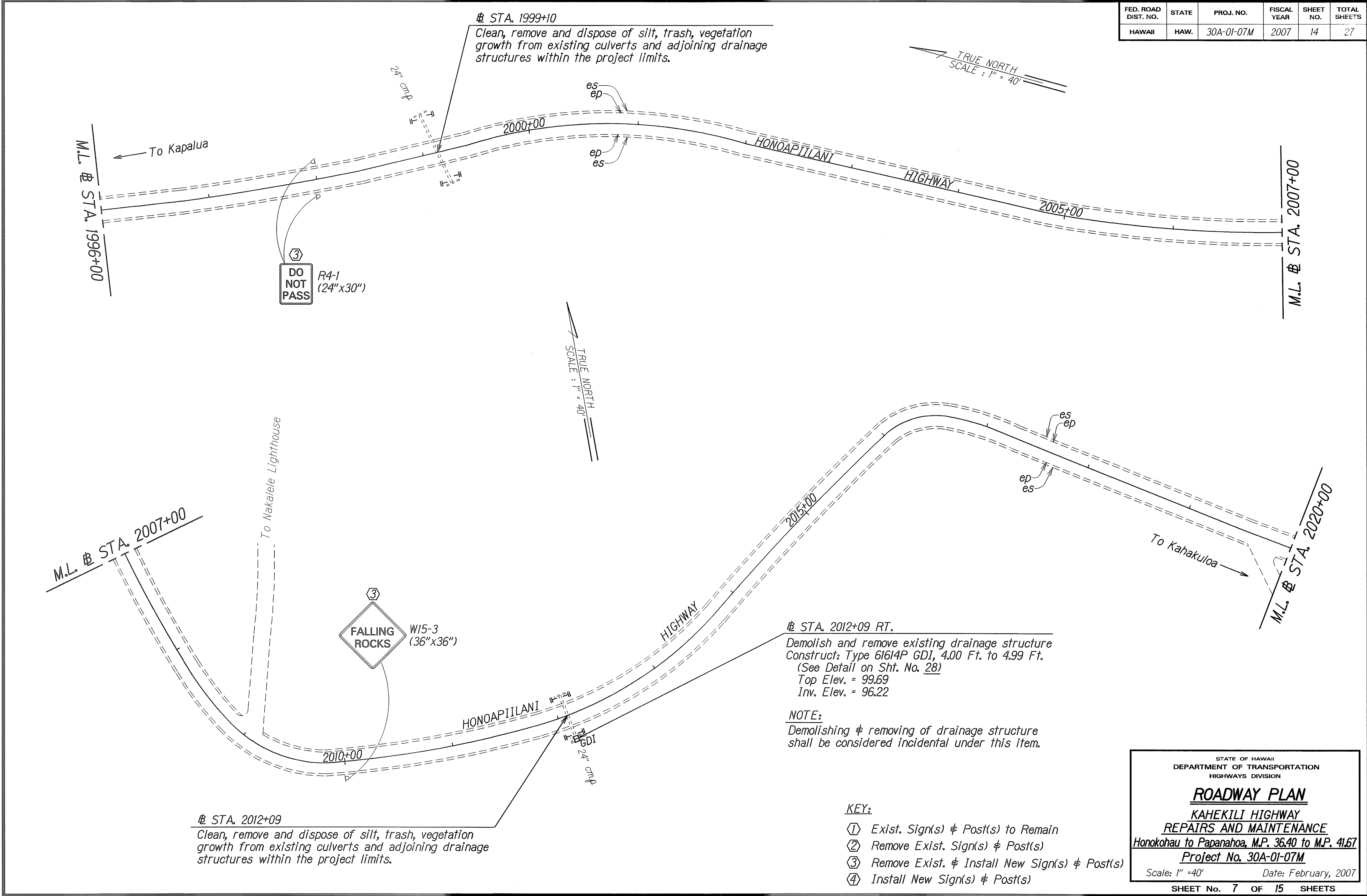


ORIGINAL PLAN	DATE	2/06
DRAWN BY		
DESIGNED BY		
QUANTITIES BY		
CHECKED BY		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KAHEKILI HIGHWAY
REPAIRS AND MAINTENANCE
Honokohau to Papanahoa, M.P. 36.40 to M.P. 41.67
Project No. 30A-01-07M
Scale: 1" = 40' Date: February, 2007
SHEET No. 6 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-07M	2007	14	27



ORIGINAL PLAN	DATE
DESIGNED BY	2/2/07
NOTED BY	
QUANTITIES BY	
CHECKED BY	

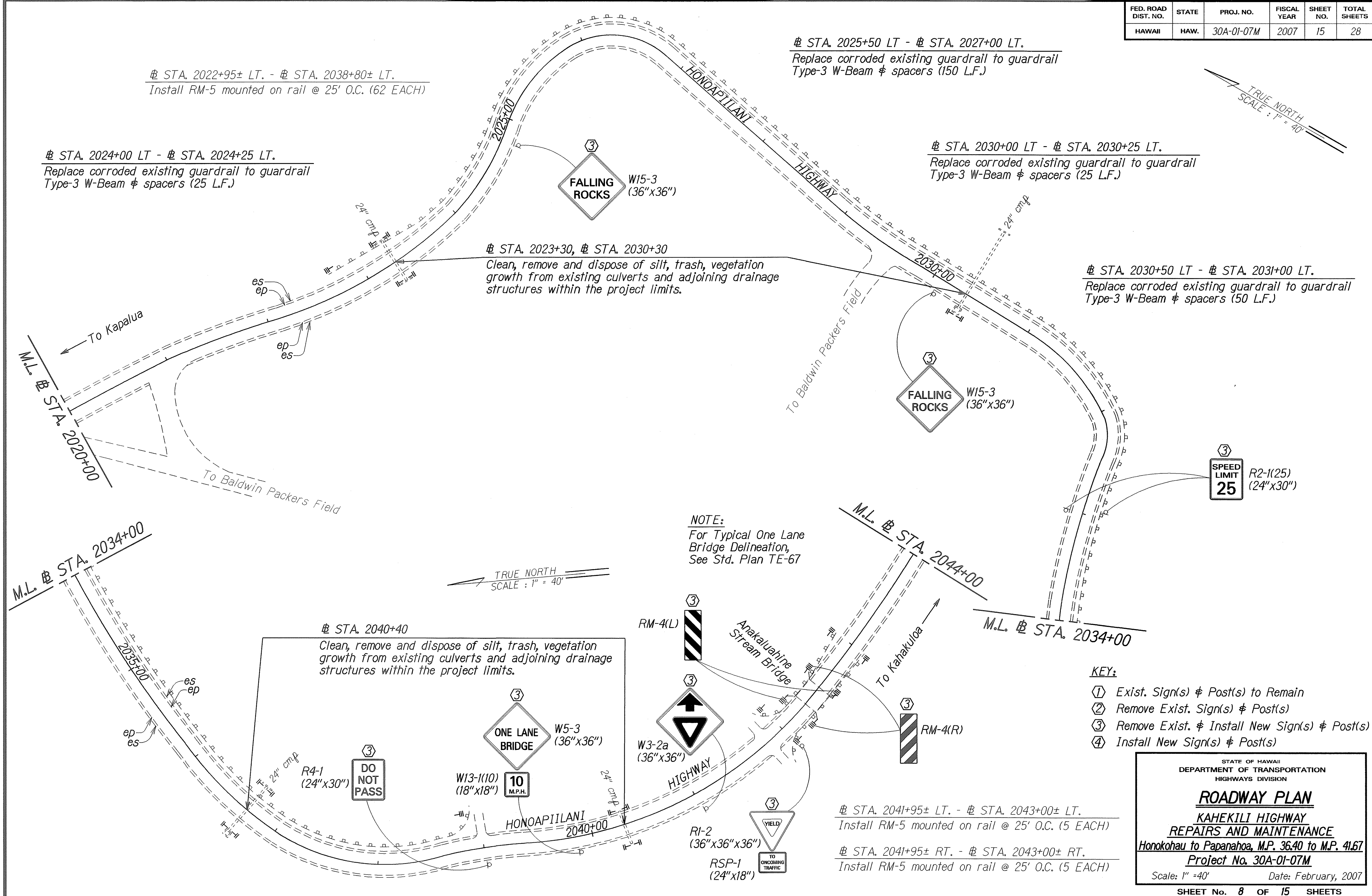
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KAHEKILI HIGHWAY
REPAIRS AND MAINTENANCE
Honokohau to Papanahoa, M.P. 36.40 to M.P. 41.67
Project No. 30A-01-07M

Scale: 1" = 40' Date: February, 2007

SHEET No. 7 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-07M	2007	15	28



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-07M	2007	17	28

⚡ STA. 2073+90±, ⚡ STA. 2079+50
Clean, remove and dispose of silt, trash, vegetation growth from existing culverts and adjoining drainage structures within the project limits.

M.L. ⚡ STA. 2072+00

To Kapala

⚡ STA. 2082+14, ⚡ STA. 2099+81
Clean, remove and dispose of silt, trash, vegetation growth from existing culverts and adjoining drainage structures within the project limits.

⚡ STA. 2093+50 LT. - ⚡ STA. 2093+65 LT.
Replace corroded existing guardrail to guardrail Type-3 W-Beam w/Modified "G" spacers (15 L.F.)

⚡ STA. 2090+45± LT. - ⚡ STA. 2110+00± LT.
Install RM-5 mounted on rail @ 25' O.C. (79 EACH)

⚡ STA. 2099+81 RT.
Demolish and remove existing drainage structure
Construct: Type 61614P GDI, 4.00 Ft. to 4.99 Ft.
(See Detail on Sht. No. 28)
Top Elev. = 99.14
Inv. Elev. = 95.07

NOTE:
Demolishing & removing of drainage structure shall be considered incidental under this item.

⚡ STA. 2082+14 LT.
Install 8 L.F. of 24" RCP and construct new concrete headwall
NOTE: Structure excavation shall be considered incidental under Item No. 603J012. (24-inch reinf. conc. pipe, CL. III)

⚡ STA. 2083+00 RT.
Demolish and remove existing drainage structure
Construct: Type 61614P GDI, 4.00 Ft. to 4.99 Ft.
(See Detail on Sht. No. 28)
Top Elev. = 99.73
Inv. Elev. = 95.46

NOTE:
Demolishing & removing of drainage structure shall be considered incidental under this item.

W8-12
(36"x36")

CAUTION
CATTLEGUARD
AHEAD

W15-3
(36"x36")

FALLING
ROCKS

FALLING
ROCKS

W15-3
(36"x36")

CAUTION
CATTLEGUARD
AHEAD

W8-12
(36"x36")

DO
NOT
PASS

R4-1
(24"x30")

D10-2
(10"x27")

D10-7
(10"x7")

MILE
4
0

To Kahakuloa

M.L. ⚡ STA. 2100+00

- KEY:
- ① Exist. 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)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

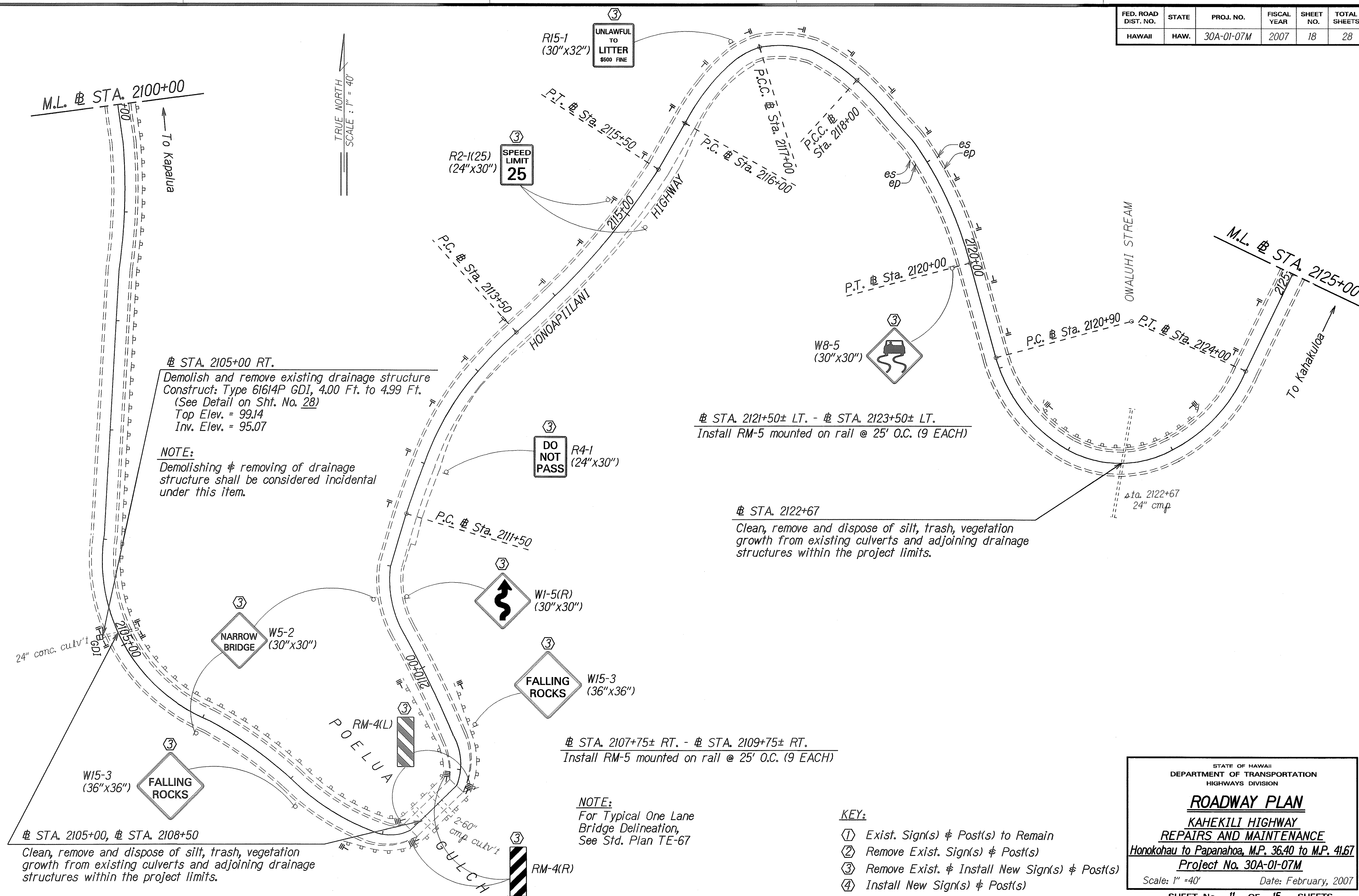
ROADWAY PLAN
KAHEKILI HIGHWAY
REPAIRS AND MAINTENANCE
 Honokohau to Papanahoa, M.P. 36.40 to M.P. 41.67
Project No. 30A-01-07M
 Scale: 1" = 40' Date: February, 2007

SHEET No. 10 OF 15 SHEETS

17

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
TRACED BY		8/06
DESIGNED BY		
CHECKED BY		
NOTE BOOK		
FILED BY		
FILED IN		

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-07M	2007	18	28



ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
	DRAWN BY <i>dg</i>	<i>8/16</i>
NOTE BOOK	TRACED BY _____	•
<i>me/day</i>	DESIGNED BY <i>cr</i>	•
<i>qumcm5.dgn</i>	QUANTITIES BY _____	•
	CHECKED BY _____	•

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KAHEKILI HIGHWAY

REPAIRS AND MAINTENANCE

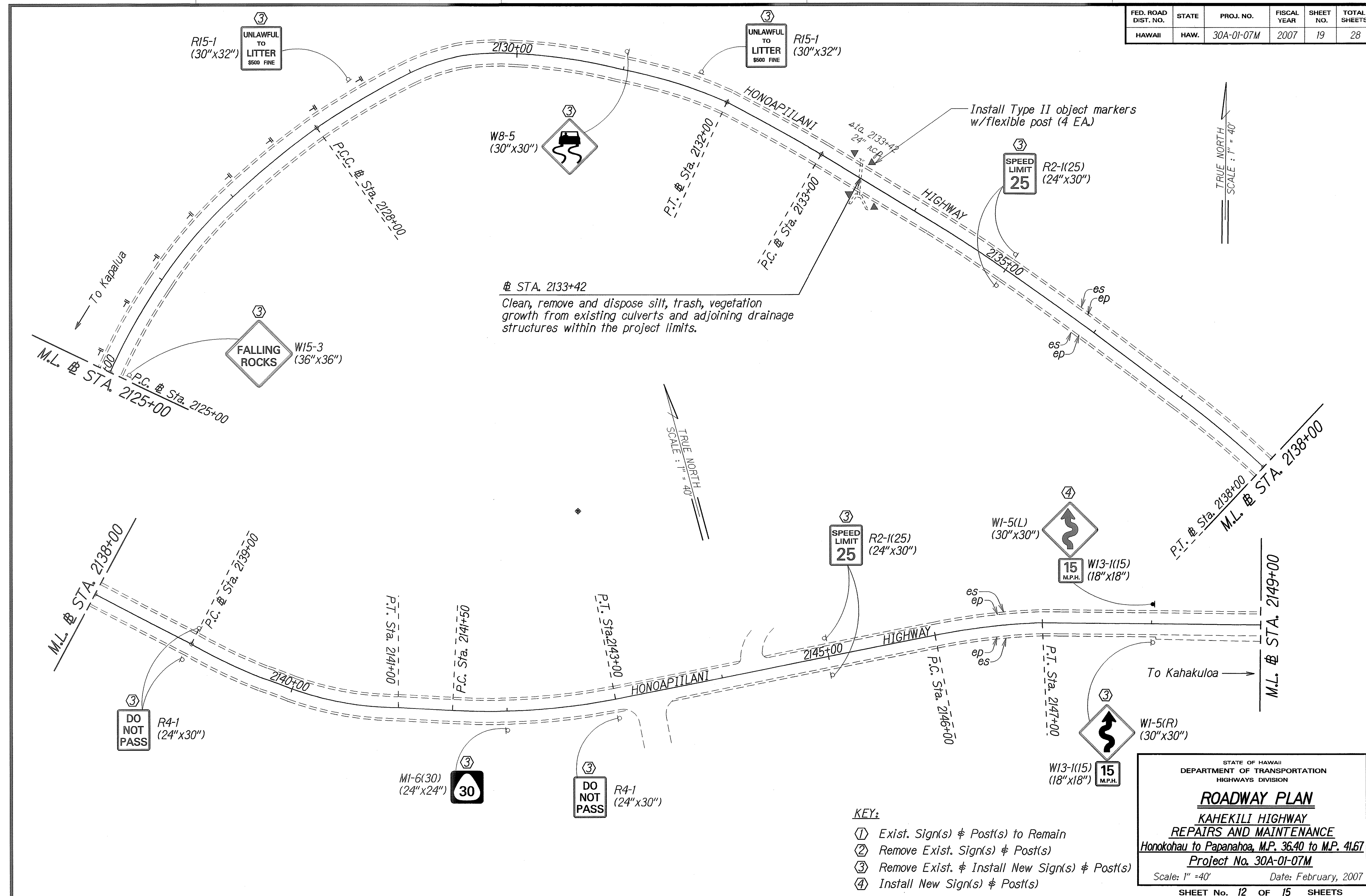
Honokohau to Papanahoa, M.P. 36.40 to M.P. 41.67

Project No. 30A-01-07M

Scale: 1" = 40' Date: February, 2007

SHEET No. 11 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-07M	2007	19	28



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-07M	2007	20	28

TRUE NORTH
SCALE: 1" = 40'

UNLAWFUL TO LITTER
\$500 FINE
R15-1 (30"x32")

SPEED LIMIT 25
R2-1(25) (24"x30")

DO NOT PASS
R4-1 (24"x30")

FALLING ROCKS
W15-3 (36"x36")

W8-5 (30"x30")

ALAPAPA STREAM

HONOAPIILANI HIGHWAY

Sta. 2150+00
Sta. 2152+00
Sta. 2154+00
Sta. 2156+00
Sta. 2158+00
Sta. 2160+00
Sta. 2162+00
Sta. 2164+00
Sta. 2166+00
Sta. 2168+00

To Kapalua
To Kahakuloa

Install RM-2 reflector markers w/flexible post 7 each @ 50' O.C.

Install Type II object markers w/flexible post (4 EA.)

Clean, remove and dispose of silt, trash, vegetation growth from existing culverts and adjoining drainage structures within the project limits.

Install RM-2 reflector markers w/flexible post 7 each @ 50' O.C.

KEY:

- ① Exist. 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)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KAHEKILI HIGHWAY
REPAIRS AND MAINTENANCE
Honokohau to Papanahoa, M.P. 36.40 to M.P. 41.67
Project No. 30A-01-07M
Scale: 1" = 40' Date: February, 2007
SHEET No. 13 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-07M	2007	20	28

TRUE NORTH
SCALE: 1" = 40'

UNLAWFUL TO LITTER
\$500 FINE
R15-1 (30"x32")

SPEED LIMIT 25
R2-1(25) (24"x30")

FALLING ROCKS
W15-3 (36"x36")

DO NOT PASS
R4-1 (24"x30")

W8-5 (30"x30")

Alapapa Stream

Honopailani Highway

Sta. 2150+00
Sta. 2151+00
Sta. 2152+00
Sta. 2153+00
Sta. 2154+00
Sta. 2155+00
Sta. 2156+00
Sta. 2157+00
Sta. 2158+00
Sta. 2159+00
Sta. 2160+00
Sta. 2161+00
Sta. 2162+00
Sta. 2163+00
Sta. 2164+00
Sta. 2165+00
Sta. 2166+00
Sta. 2167+00
Sta. 2168+00
Sta. 2169+00

PC Sta. 2152+50
PT Sta. 2152+00
PC Sta. 2154+50
PT Sta. 2155+50
PC Sta. 2160+00
PT Sta. 2161+00
PC Sta. 2162+00
PT Sta. 2163+00
PC Sta. 2164+50
PT Sta. 2165+50
PC Sta. 2167+50
PT Sta. 2168+00

Delta 2150+73
4"x4' gdi
24" cmp

Delta 2156+00
4"x4' gdi
24" cmp

Delta 2158+11
24" cmp

Delta 2161+18
2-30" cmp

Install RM-2 reflector markers w/flexible post 7 each @ 50' O.C.

Install Type II object markers w/flexible post (4 EA.)

Clean, remove and dispose of silt, trash, vegetation growth from existing culverts and adjoining drainage structures within the project limits.

Install RM-2 reflector markers w/flexible post 7 each @ 50' O.C.

Clean, remove and dispose of silt, trash, vegetation growth from existing culverts and adjoining drainage structures within the project limits.

Install RM-5 mounted on rail @ 25' O.C. (4 EACH)

Clean, remove and dispose of silt, trash, vegetation growth from existing culverts and adjoining drainage structures within the project limits.

KEY:

- ① Exist. Sign(s) & Post(s) to Remain
- ② Remove Exist. Sign(s) & Post(s)
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KAHEKILI HIGHWAY
REPAIRS AND MAINTENANCE
Honokohau to Papanahoa, M.P. 36.40 to M.P. 41.67
Project No. 30A-01-07M
Scale: 1" = 40' Date: February, 2007
SHEET No. 13 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-07M	2007	20	28

TRUE NORTH
SCALE: 1" = 40'

Sta. 2150+00
To Kapalua

Sta. 2151+00

Sta. 2152+00

Sta. 2153+00

Sta. 2154+00

Sta. 2155+00

Sta. 2156+00

Sta. 2157+00

Sta. 2158+00

Sta. 2159+00

Sta. 2160+00

Sta. 2161+00

Sta. 2162+00

Sta. 2163+00

Sta. 2164+00

Sta. 2165+00

Sta. 2166+00

Sta. 2167+00

Sta. 2168+00

Sta. 2169+00
To Kahakuloa

ALAPAPA STREAM

HONOAPIILANI HIGHWAY

W15-3 (36"x36")
FALLING ROCKS

W8-5 (30"x30")

DO NOT PASS

SPEED LIMIT 25

UNLAWFUL TO LITTER
\$500 FINE

RM-2 reflector markers w/flexible post 7 each @ 50' O.C.

Install Type II object markers w/flexible post (4 EA.)

Clean, remove and dispose of silt, trash, vegetation growth from existing culverts and adjoining drainage structures within the project limits.

Install RM-2 reflector markers w/flexible post 7 each @ 50' O.C.

Install RM-5 mounted on rail @ 25' O.C. (4 EACH)

Clean, remove and dispose of silt, trash, vegetation growth from existing culverts and adjoining drainage structures within the project limits.

KEY:

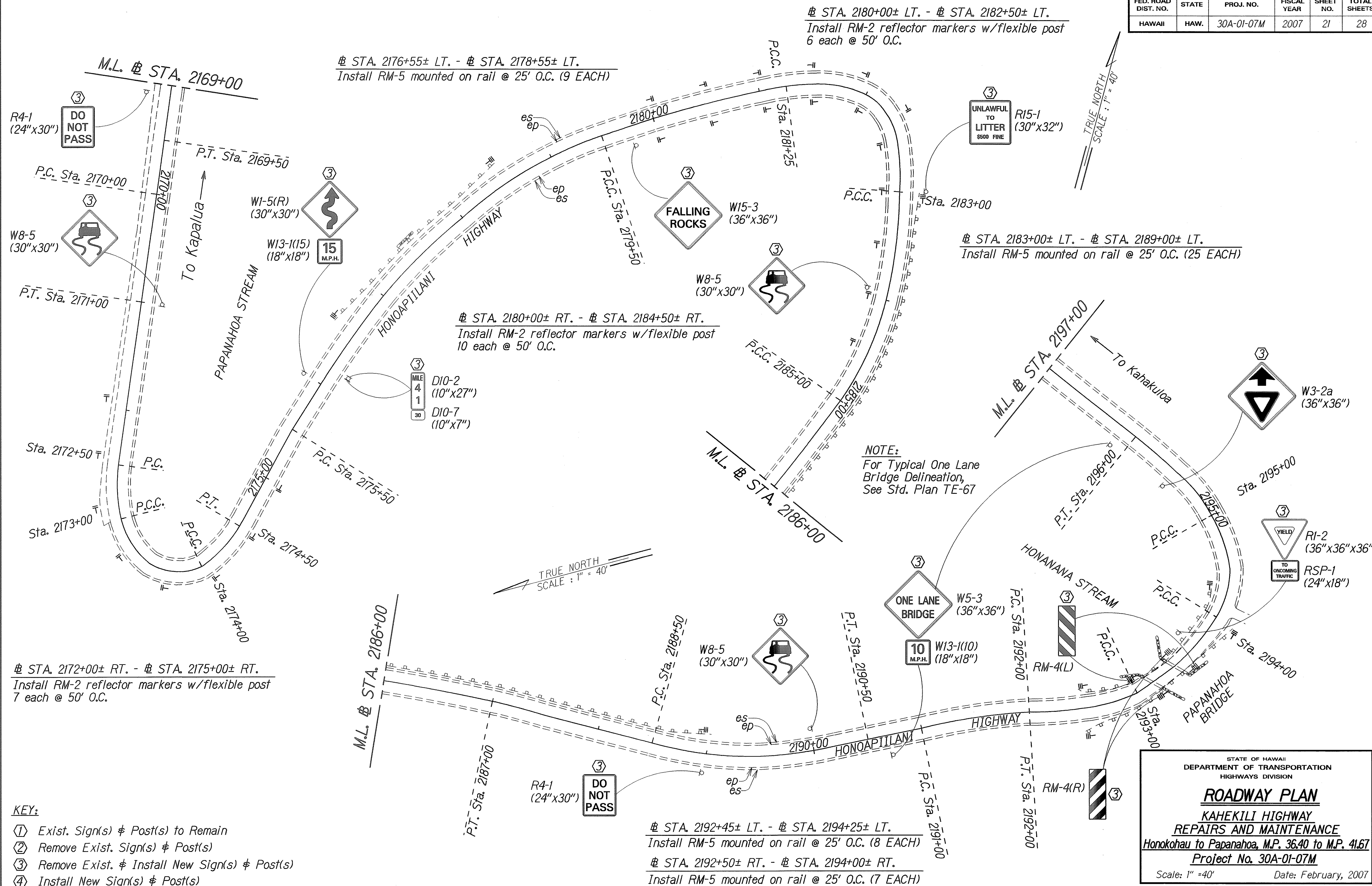
- ① Exist. Sign(s) & Post(s) to Remain
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

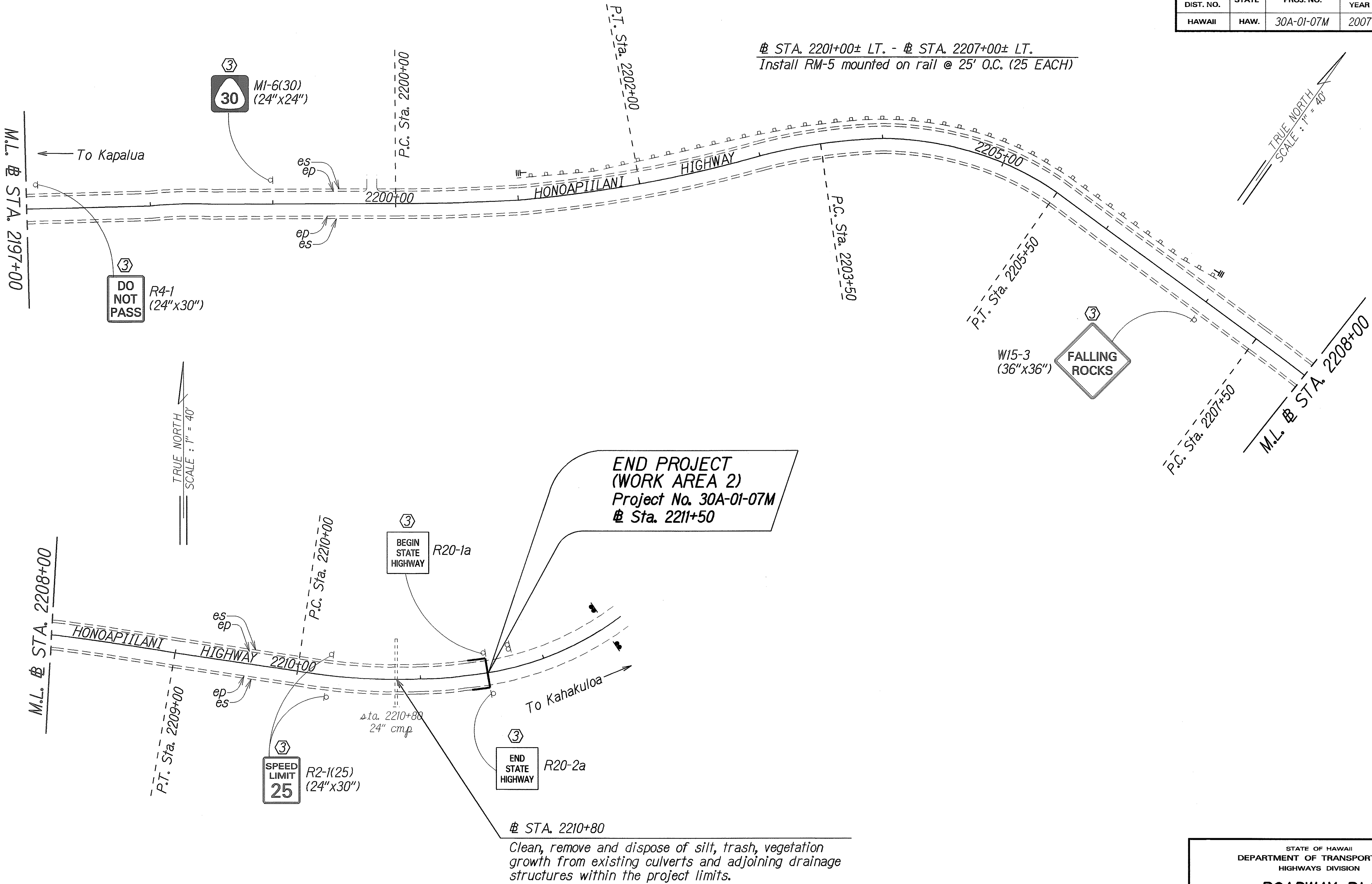
ROADWAY PLAN
KAHEKILI HIGHWAY
REPAIRS AND MAINTENANCE
Honokohau to Papanahoa, M.P. 36.40 to M.P. 41.67
Project No. 30A-01-07M
Scale: 1" = 40' Date: February, 2007

SHEET No. 13 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-07M	2007	21	28



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-07M	2007	22	28



SURVEY PLOTTED BY	DATE
DRAWN BY	8/06
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
ME:lay	
NC:comp:2007	

- KEY:
- ① Exist. 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)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KAHEKILI HIGHWAY
REPAIRS AND MAINTENANCE
Honokohau to Papanahoa, M.P. 36.40 to M.P. 41.67
Project No. 30A-01-07M
Scale: 1" = 40' Date: February, 2007

SHEET No. 15 OF 15 SHEETS