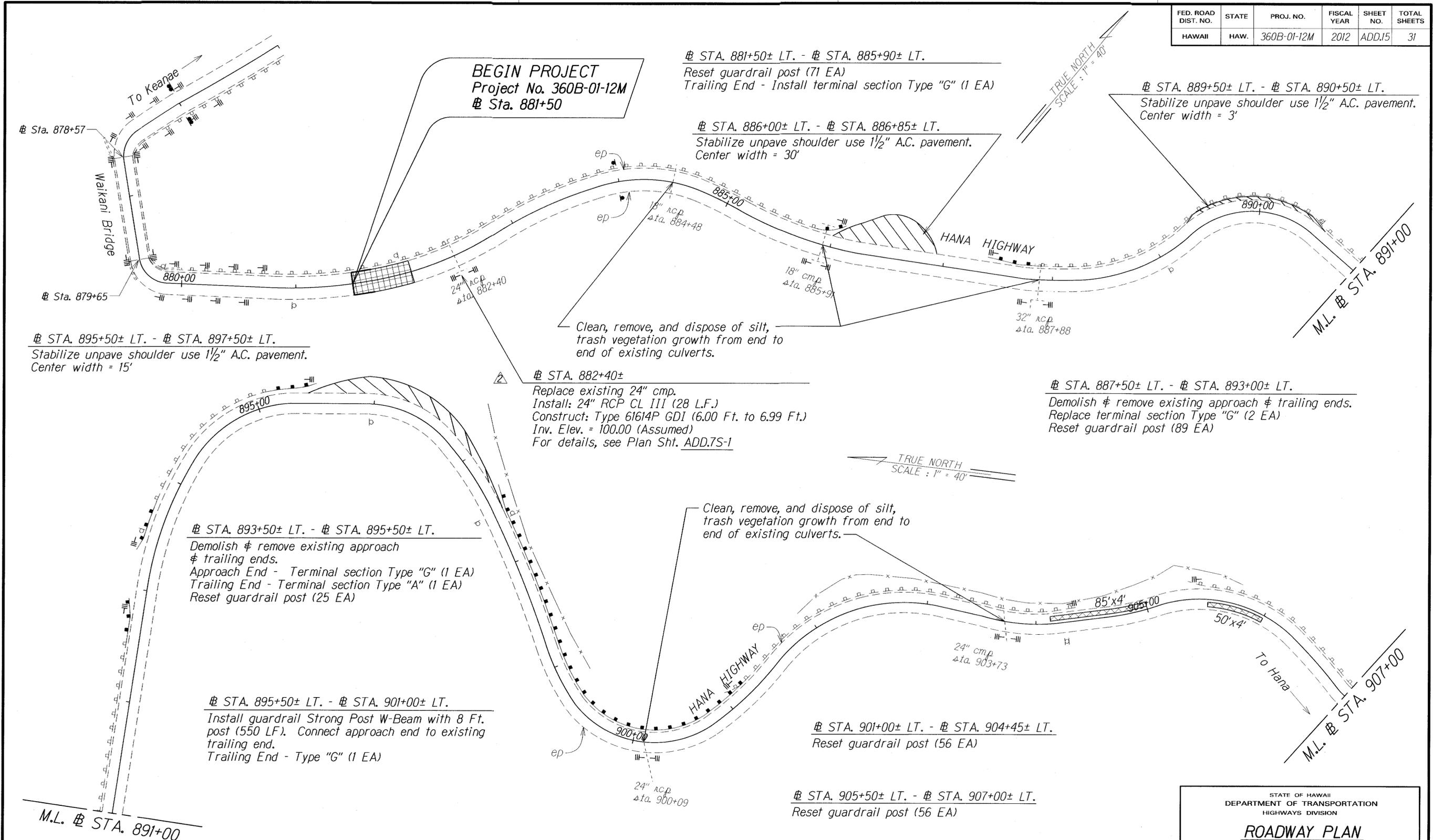


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	360B-01-12M	2012	ADD.15	31



BEGIN PROJECT
Project No. 360B-01-12M
Sta. 881+50

Sta. 881+50± LT. - Sta. 885+90± LT.
Reset guardrail post (71 EA)
Trailing End - Install terminal section Type "G" (1 EA)

Sta. 886+00± LT. - Sta. 886+85± LT.
Stabilize unpave shoulder use 1/2" A.C. pavement.
Center width = 30'

Sta. 889+50± LT. - Sta. 890+50± LT.
Stabilize unpave shoulder use 1/2" A.C. pavement.
Center width = 3'

Sta. 895+50± LT. - Sta. 897+50± LT.
Stabilize unpave shoulder use 1/2" A.C. pavement.
Center width = 15'

Sta. 882+40±
Replace existing 24" cmp.
Install: 24" RCP CL III (28 L.F.)
Construct: Type 61614P GDI (6.00 Ft. to 6.99 Ft.)
Inv. Elev. = 100.00 (Assumed)
For details, see Plan Sht. ADD.7S-1

Sta. 887+50± LT. - Sta. 893+00± LT.
Demolish & remove existing approach & trailing ends.
Replace terminal section Type "G" (2 EA)
Reset guardrail post (89 EA)

Sta. 893+50± LT. - Sta. 895+50± LT.
Demolish & remove existing approach & trailing ends.
Approach End - Terminal section Type "G" (1 EA)
Trailing End - Terminal section Type "A" (1 EA)
Reset guardrail post (25 EA)

Sta. 895+50± LT. - Sta. 901+00± LT.
Install guardrail Strong Post W-Beam with 8 Ft. post (550 LF). Connect approach end to existing trailing end.
Trailing End - Type "G" (1 EA)

Sta. 901+00± LT. - Sta. 904+45± LT.
Reset guardrail post (56 EA)

Sta. 905+50± LT. - Sta. 907+00± LT.
Reset guardrail post (56 EA)

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

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

3-28-12	Add location of culvert location and eliminate cleaning the culvert.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

HANA HIGHWAY RESURFACING
Vicinity of Waikani Bridge to Kapaula Bridge
Project No. 360B-01-12M

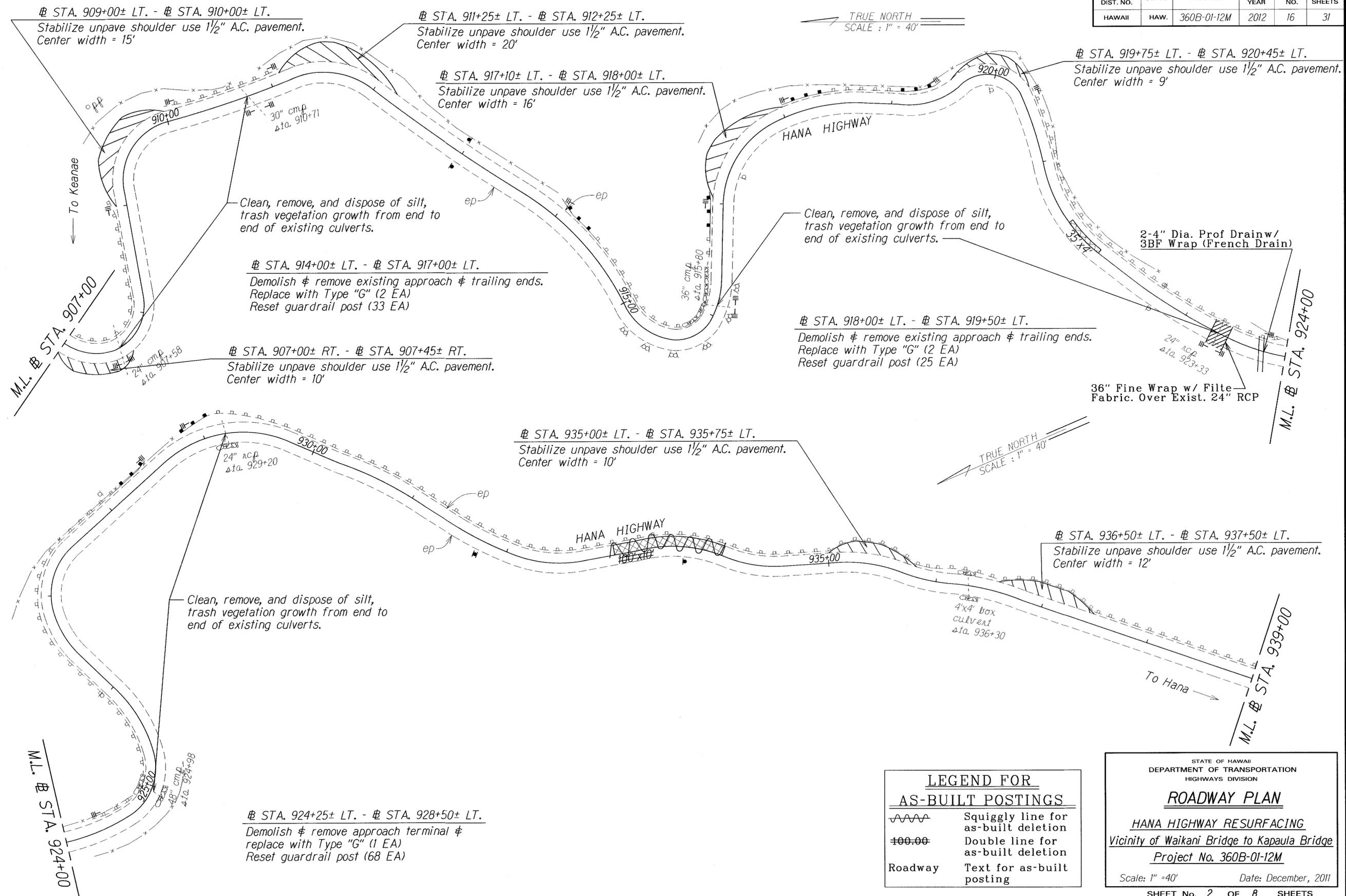
Scale: 1" = 40' Date: December, 2011

SHEET No. 1 OF 8 SHEETS

"AS-BUILT"

ADD. 15

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	360B-01-12M	2012	16	31



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CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	

LEGEND FOR AS-BUILT POSTINGS	
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Roadway	Text for as-built posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY PLAN**

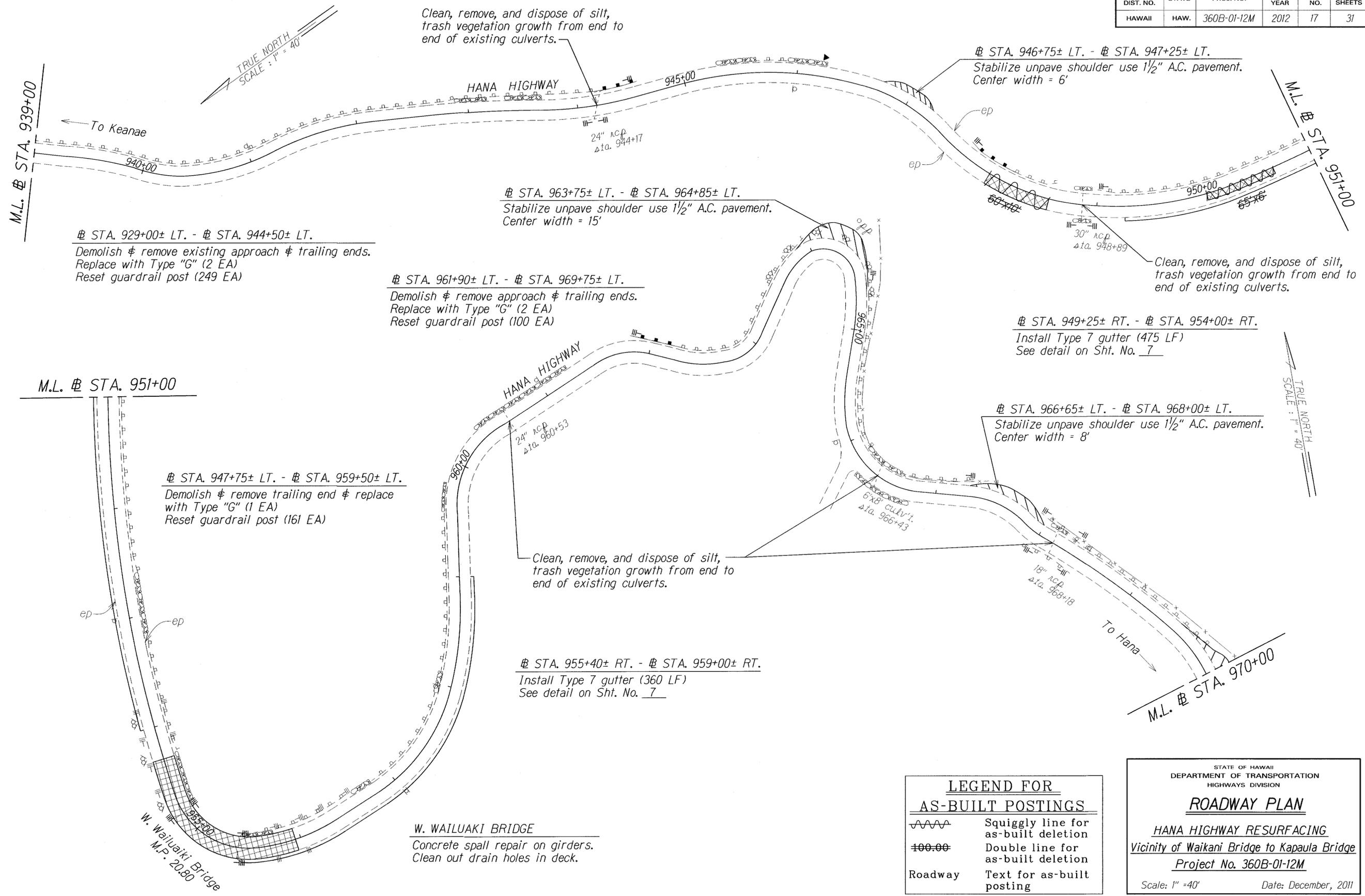
*HANA HIGHWAY RESURFACING*  
Vicinity of Waikani Bridge to Kapaula Bridge  
Project No. 360B-01-12M

Scale: 1" = 40'      Date: December, 2011

SHEET No. 2 OF 8 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	360B-01-12M	2012	17	31



SURVEY PLOTTED BY	DATE
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QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	

LEGEND FOR AS-BUILT POSTINGS	
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==00.00	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

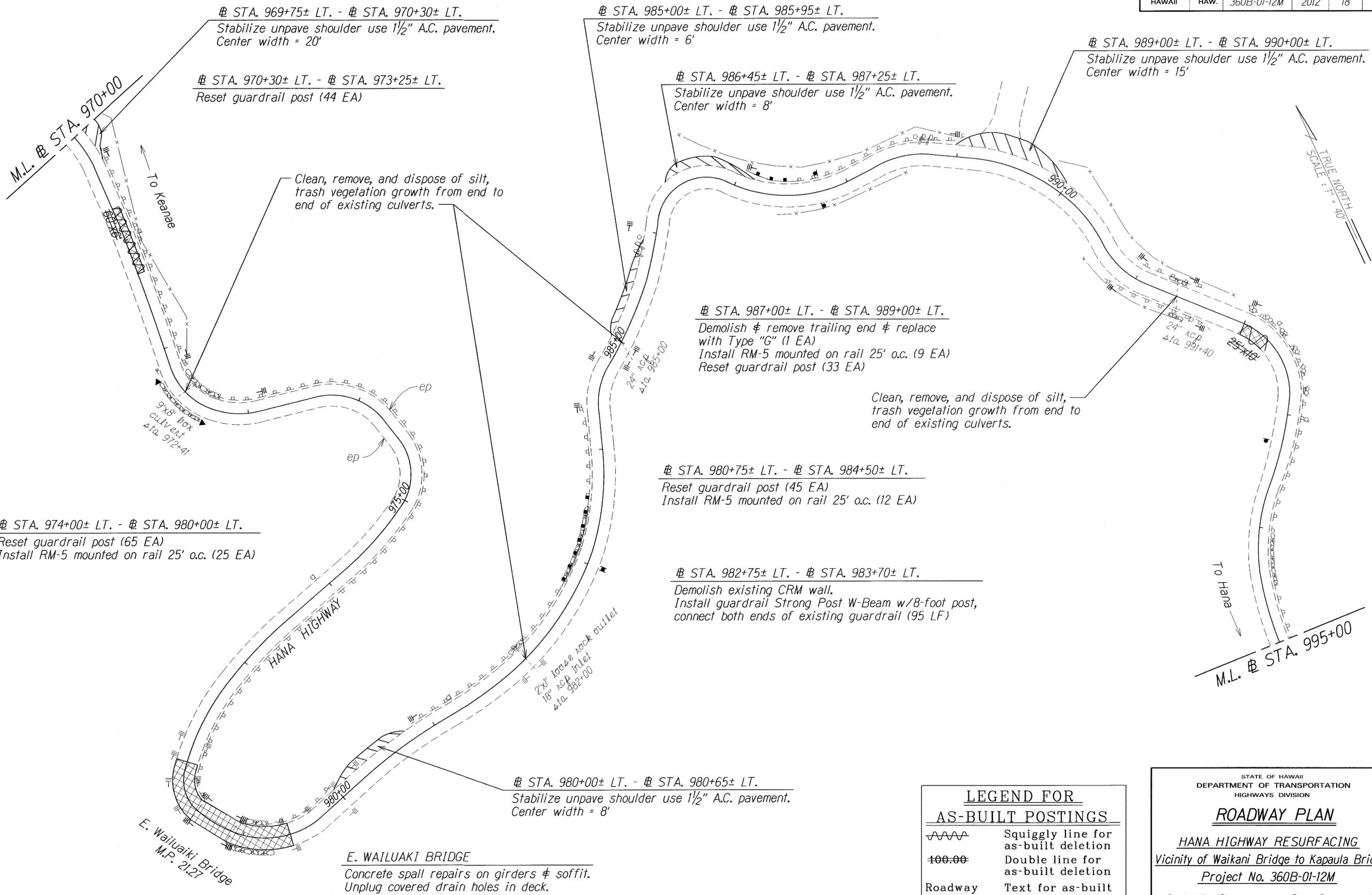
HANA HIGHWAY RESURFACING
Vicinity of Waikani Bridge to Kapaula Bridge
Project No. 360B-01-12M

Scale: 1" = 40' Date: December, 2011

SHEET No. 3 OF 8 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	360B-01-12M	2012	18	31



SURVEY PLOTTED BY	DATE
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ORIGINAL PLAN	
NOTE BOOK	
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LEGEND FOR AS-BUILT POSTINGS	
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====	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY PLAN**

**HANA HIGHWAY RESURFACING**  
Vicinity of Waikani Bridge to Kapaula Bridge  
Project No. 360B-01-12M

Scale: 1" = 40'      Date: December, 2011

SHEET No. 4 OF 8 SHEETS

"AS-BUILT"

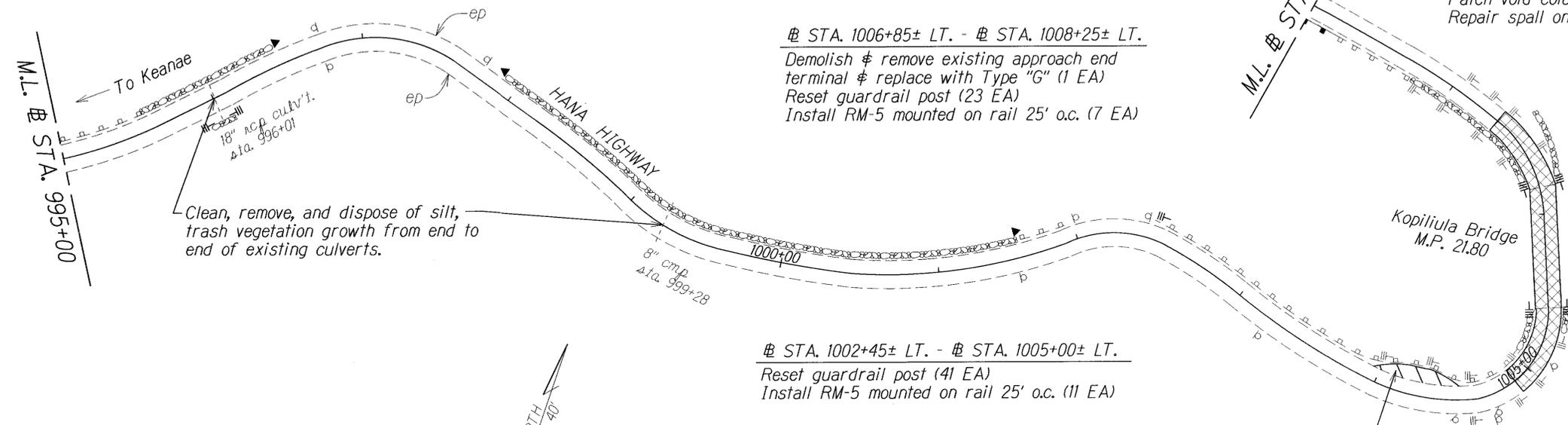
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	360B-01-12M	2012	19	31

⊕ STA. 992+90± LT. - ⊕ STA. 995+50± LT.  
 Reset guardrail post (34 EA)  
 Install RM-5 mounted on rail 25' o.c. (9 EA)

TRUE NORTH  
 SCALE: 1" = 40'

⊕ STA. 1006+85± LT. - ⊕ STA. 1008+25± LT.  
 Demolish & remove existing approach end terminal & replace with Type "G" (1 EA)  
 Reset guardrail post (23 EA)  
 Install RM-5 mounted on rail 25' o.c. (7 EA)

KOPIILIULA BRIDGE  
 Patch void column of makai side.  
 Repair spall on soffit.

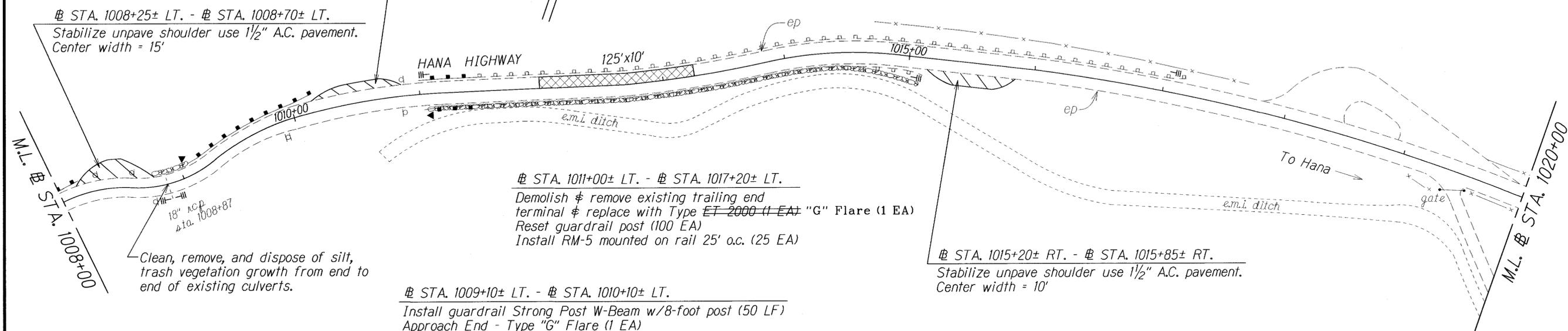


⊕ STA. 1002+45± LT. - ⊕ STA. 1005+00± LT.  
 Reset guardrail post (41 EA)  
 Install RM-5 mounted on rail 25' o.c. (11 EA)

⊕ STA. 1010+00± LT. - ⊕ STA. 1010+80± LT.  
 Stabilize unpave shoulder use 1/2" A.C. pavement.  
 Center width = 7'

⊕ STA. 1008+25± LT. - ⊕ STA. 1008+70± LT.  
 Stabilize unpave shoulder use 1/2" A.C. pavement.  
 Center width = 15'

⊕ STA. 1003+95± LT. - ⊕ STA. 1004+50± LT.  
 Stabilize unpave shoulder use 1/2" A.C. pavement.  
 Center width = 9'



⊕ STA. 1011+00± LT. - ⊕ STA. 1017+20± LT.  
 Demolish & remove existing trailing end terminal & replace with Type "G" Flare (1 EA)  
 Reset guardrail post (100 EA)  
 Install RM-5 mounted on rail 25' o.c. (25 EA)

⊕ STA. 1015+20± RT. - ⊕ STA. 1015+85± RT.  
 Stabilize unpave shoulder use 1/2" A.C. pavement.  
 Center width = 10'

⊕ STA. 1009+10± LT. - ⊕ STA. 1010+10± LT.  
 Install guardrail Strong Post W-Beam w/8-foot post (50 LF)  
 Approach End - Type "G" Flare (1 EA)

⊕ STA. 1011+00± RT. - ⊕ STA. 1015+00± RT.  
 Demolish & remove existing approach end & replace with Type "G" (1 EA)  
 Reset guardrail post (65 EA)  
 Install RM-5 mounted on rail 25' o.c. (17 EA)

**LEGEND FOR AS-BUILT POSTINGS**

~~~~~	Squiggly line for as-built deletion
====	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ROADWAY PLAN

HANA HIGHWAY RESURFACING
 Vicinity of Waikani Bridge to Kapaula Bridge
 Project No. 360B-01-12M

Scale: 1" = 40' Date: December, 2011

SHEET No. 5 OF 8 SHEETS

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NOTE BOOK	

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	360B-01-12M	2012	20	31

⊕ STA. 1020+50± LT. ⊕ RT. - ⊕ STA. 1021+50± LT. ⊕ RT.
 Reset guardrail post (34 EA)
 Install RM-5 mounted on rail 25' o.c. (10 EA)

M.L. ⊕ STA. 1020+00

← To Keanae

Clean, remove, and dispose of silt, trash vegetation growth from end to end of existing culverts.

TRUE NORTH
 SCALE: 1" = 40'

Clean, remove, and dispose of silt, trash vegetation growth from end to end of existing culverts.

⊕ STA. 1029+80± LT. - ⊕ STA. 1030+40± LT.
 Stabilize unpave shoulder use 1/2" A.C. pavement.
 Center width = 8'

⊕ STA. 1034+40± LT. - ⊕ STA. 1035+00± LT.
 Stabilize unpave shoulder use 1/2" A.C. pavement.
 Center width = 8'

M.L. ⊕ STA. 1035+00

⊕ STA. 1027+90± LT. - ⊕ STA. 1030+00± LT.
 Reset guardrail post (35 EA)
 Install RM-5 mounted on rail 25' o.c. (9 EA)

PUAKAA BRIDGE
 Repair spalls in soffit, sealing of cracks on safety wall.

⊕ STA. 1021+90± LT. - ⊕ STA. 1023+50± LT.
 Reset guardrail post (27 EA)
 Install RM-5 mounted on rail 25' o.c. (7 EA)

Clean, remove, and dispose of silt, trash vegetation growth from end to end of existing culverts.

⊕ STA. 1030+50± LT. - ⊕ STA. 1034+20± LT.
 Reset guardrail post (41 EA)
 Install RM-5 mounted on rail 25' o.c. (11 EA)

⊕ STA. 1040+00± LT. - ⊕ STA. 1041+00± LT.
 Stabilize unpave shoulder use 1/2" A.C. pavement.
 Center width = 15'

Clean, remove, and dispose of silt, trash vegetation growth from end to end of existing culverts.

TRUE NORTH
 SCALE: 1" = 40'

M.L. ⊕ STA. 1035+00

⊕ STA. 1039+50± LT. ⊕ RT. - ⊕ STA. 1040+25± LT. ⊕ RT.
 Reset guardrail post (26 EA)
 Install RM-5 mounted on rail 25' o.c. (8 EA)

⊕ STA. 1035+00± LT. - ⊕ STA. 1038+25± LT.
 Reset guardrail post (45 EA)
 Install RM-5 mounted on rail 25' o.c. (12 EA)

WAIHUE BRIDGE
 Repair concrete topping on both parapets.
 Repairs spall in girders. (Hana Abutment)

M.L. ⊕ STA. 1048+00
 → To Hana

DATE
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STATE OF HAWAII
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 HIGHWAYS DIVISION

ROADWAY PLAN

HANA HIGHWAY RESURFACING
 Vicinity of Waikani Bridge to Kapaula Bridge
 Project No. 360B-01-12M

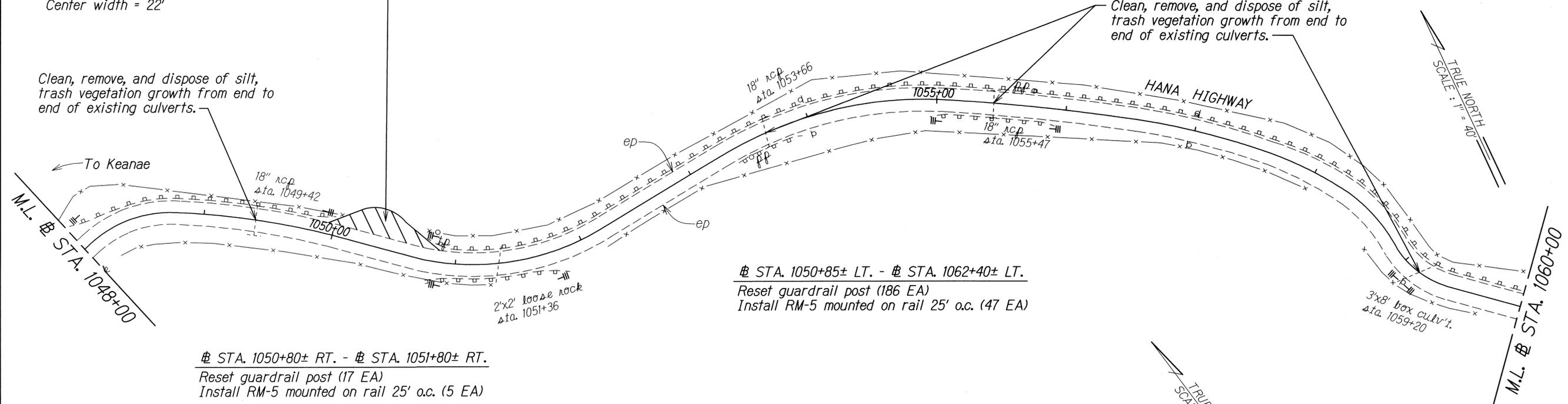
Scale: 1" = 40' Date: December, 2011

SHEET No. 6 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	360B-01-12M	2012	21	31

⊕ STA. 1050+00± LT. - ⊕ STA. 1050+85± LT.
 Stabilize unpave shoulder use 1/2" A.C. pavement.
 Center width = 22'

Clean, remove, and dispose of silt,
 trash vegetation growth from end to
 end of existing culverts.



⊕ STA. 1050+85± LT. - ⊕ STA. 1062+40± LT.
 Reset guardrail post (186 EA)
 Install RM-5 mounted on rail 25' o.c. (47 EA)

⊕ STA. 1050+80± RT. - ⊕ STA. 1051+80± RT.
 Reset guardrail post (17 EA)
 Install RM-5 mounted on rail 25' o.c. (5 EA)

⊕ STA. 1066+25± LT. - ⊕ STA. 1066+95± LT.
 Stabilize unpave shoulder use 1/2" A.C. pavement.
 Center width = 15'

PAAKEA BRIDGE
 Repair spalls in bottom edges of girders.

⊕ STA. 1067+40± LT. - ⊕ STA. 1068+15± LT.
 Stabilize unpave shoulder use 1/2" A.C. pavement.
 Center width = 25'

⊕ STA. 1062+35± LT. - ⊕ STA. 1063+00± LT.
 Stabilize unpave shoulder use 1/2" A.C. pavement.
 Center width = 20'

⊕ STA. 1063+20± LT. - ⊕ STA. 1063+70± LT.
 Stabilize unpave shoulder use 1/2" A.C. pavement.
 Center width = 20'

UNNAMED BRIDGES 1 & 2
 Repair spall in soffit, concrete spalls in girders.
 Patch cracks on soffit areas.

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STATE OF HAWAII
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 HIGHWAYS DIVISION

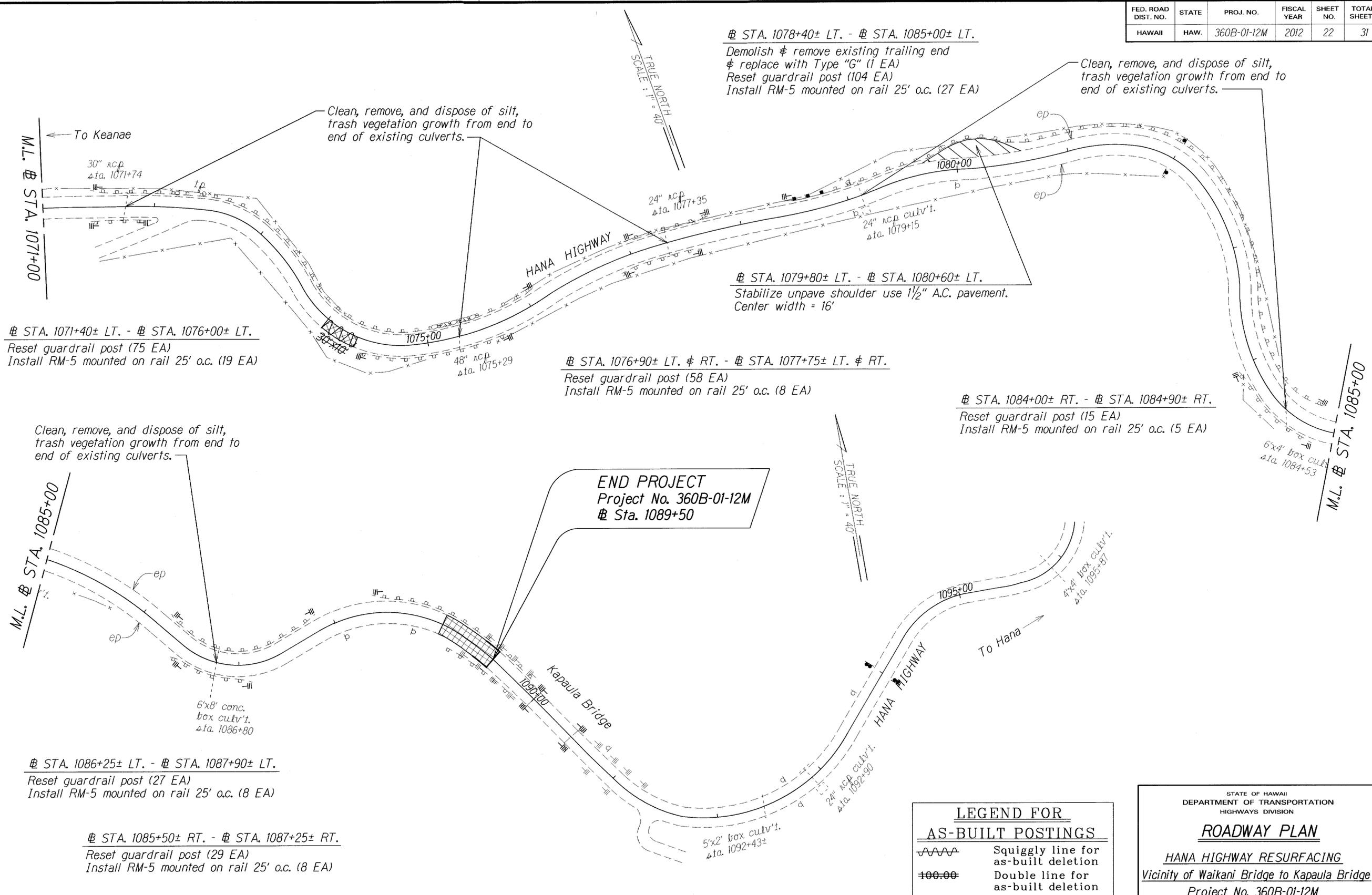
ROADWAY PLAN

HANA HIGHWAY RESURFACING
 Vicinity of Waikani Bridge to Kapaula Bridge
 Project No. 360B-01-12M

Scale: 1" = 40' Date: December, 2011

SHEET No. 7 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	360B-01-12M	2012	22	31



⊕ STA. 1078+40± LT. - ⊕ STA. 1085+00± LT.
 Demolish & remove existing trailing end
 & replace with Type "G" (1 EA)
 Reset guardrail post (104 EA)
 Install RM-5 mounted on rail 25' o.c. (27 EA)

Clean, remove, and dispose of silt,
 trash vegetation growth from end to
 end of existing culverts.

⊕ STA. 1079+80± LT. - ⊕ STA. 1080+60± LT.
 Stabilize unpave shoulder use 1 1/2" A.C. pavement.
 Center width = 16'

⊕ STA. 1071+40± LT. - ⊕ STA. 1076+00± LT.
 Reset guardrail post (75 EA)
 Install RM-5 mounted on rail 25' o.c. (19 EA)

⊕ STA. 1076+90± LT. & RT. - ⊕ STA. 1077+75± LT. & RT.
 Reset guardrail post (58 EA)
 Install RM-5 mounted on rail 25' o.c. (8 EA)

⊕ STA. 1084+00± RT. - ⊕ STA. 1084+90± RT.
 Reset guardrail post (15 EA)
 Install RM-5 mounted on rail 25' o.c. (5 EA)

Clean, remove, and dispose of silt,
 trash vegetation growth from end to
 end of existing culverts.

END PROJECT
 Project No. 360B-01-12M
 ⊕ Sta. 1089+50

⊕ STA. 1086+25± LT. - ⊕ STA. 1087+90± LT.
 Reset guardrail post (27 EA)
 Install RM-5 mounted on rail 25' o.c. (8 EA)

⊕ STA. 1085+50± RT. - ⊕ STA. 1087+25± RT.
 Reset guardrail post (29 EA)
 Install RM-5 mounted on rail 25' o.c. (8 EA)

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ROADWAY PLAN

HANA HIGHWAY RESURFACING
 Vicinity of Waikani Bridge to Kapaula Bridge
 Project No. 360B-01-12M

Scale: 1" = 40' Date: December, 2011

SHEET No. 8 OF 8 SHEETS

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"AS-BUILT"