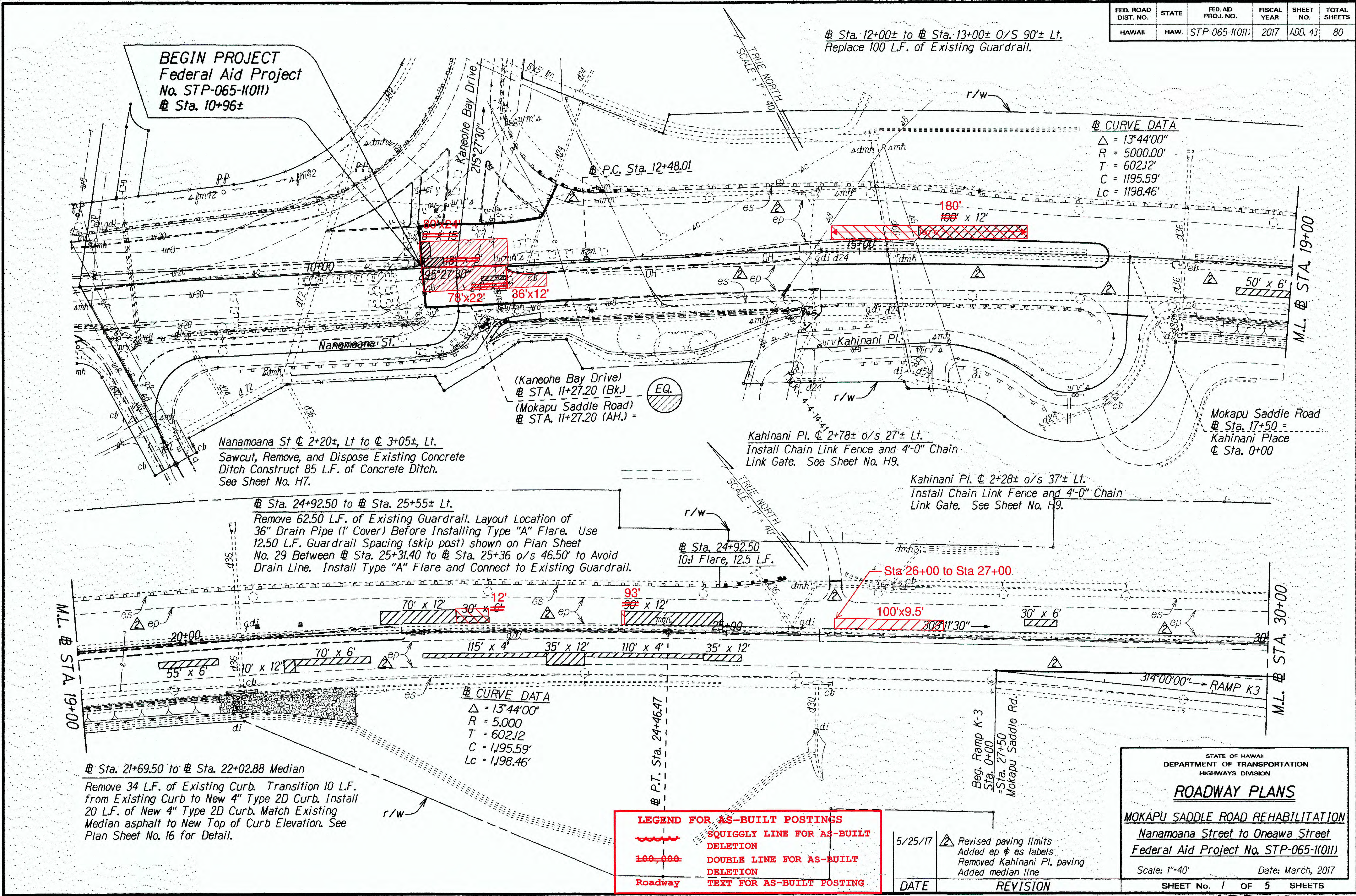


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-065-1(011)	2017	ADD. 43	80



AS-BUILT

ADD. 43

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-065-1(011)	2017	ADD. 44	80

△ CURVE DATA
 $\Delta = 30^{\circ}30'30''$
 $R = 1200.00'$
 $T = 327.25'$
 $C = 631.44'$
 $L_c = 638.96'$

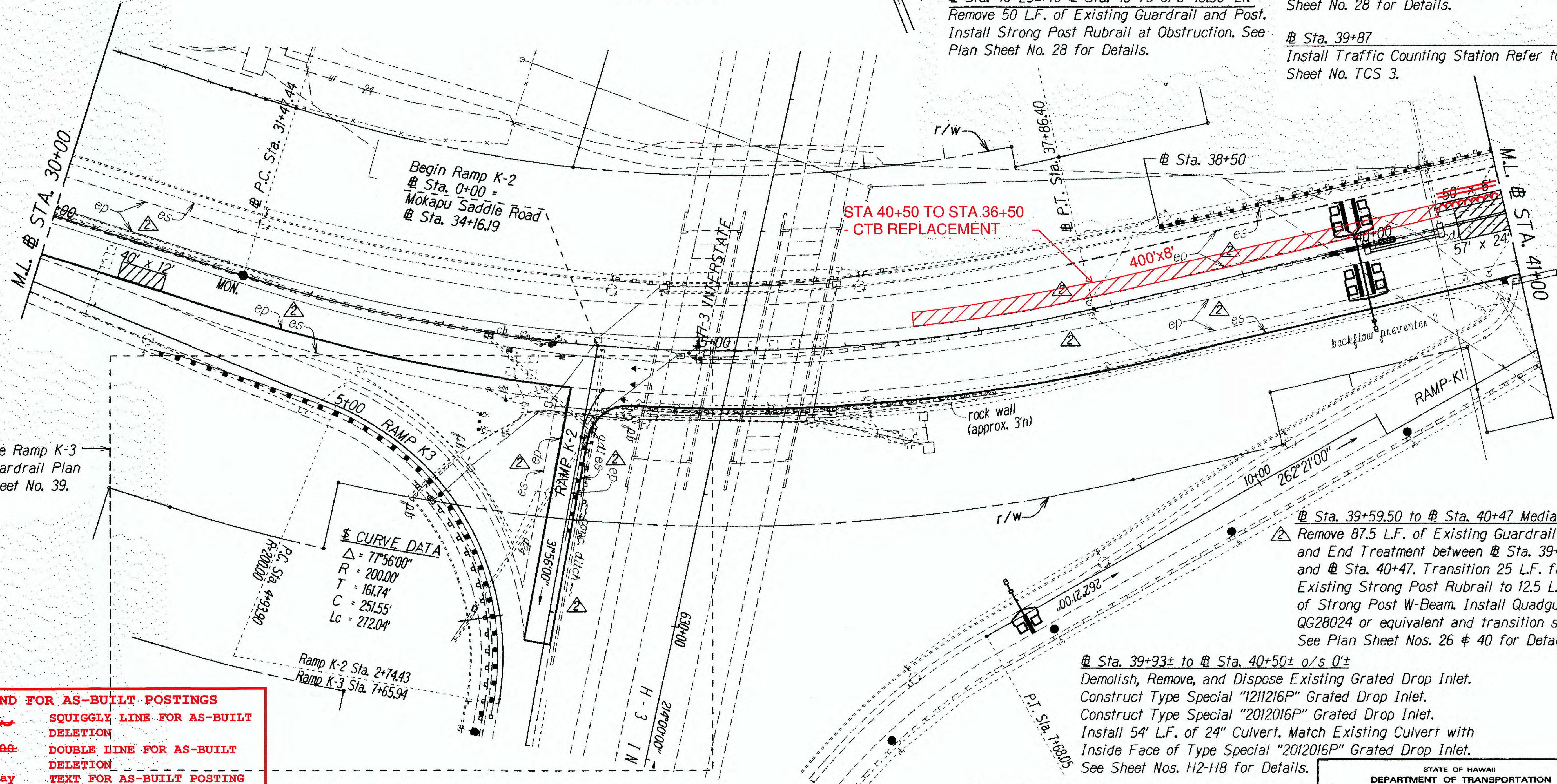
TRUE NORTH
SCALE: 1" = 40'

△ Sta. 38+50± to △ Sta. 40+25 o/s 46.50' Lt.
Remove 175 L.F. of Existing Guardrail and End Treatment. Install 175 L.F. Strong Post W-Beam and Transition to Strong Post Rubrail before obstruction. Install Type "G" Flare on Trailing End. See Plan Sheet No. 28 for Details.

△ Sta. 40+25± to △ Sta. 40+75 o/s 46.50' Lt.
Remove 50 L.F. of Existing Guardrail and Post. Install Strong Post Rubrail at Obstruction. See Plan Sheet No. 28 for Details.

△ Sta. 40+75 to △ Sta. 41+00 o/s 46.50' Lt.
Remove 25 L.F. of Existing Guardrail and Post. Transition from Strong Post Rubrail after obstruction to Strong Post W-Beam. See Plan Sheet No. 28 for Details.

△ Sta. 39+87
Install Traffic Counting Station Refer to Sheet No. TCS 3.



See Ramp K-3
Guardrail Plan
Sheet No. 39.

△ CURVE DATA
 $\Delta = 77^{\circ}56'00''$
 $R = 200.00'$
 $T = 161.74'$
 $C = 251.55'$
 $L_c = 272.04'$

LEGEND FOR AS-BUILT POSTINGS
 SQUIGGLY LINE FOR AS-BUILT DELETION
 DOUBLE LINE FOR AS-BUILT DELETION
Roadway TEXT FOR AS-BUILT POSTING

△ Ramp K3 △ Sta. 6+90± to △ Sta. 7+16±
Sawcut, Remove, and Dispose Existing Concrete Gutter.. Construct 4 L.F. of Concrete Spillway. Clear and Grub All Existing Trees Within 4 feet from the Edge of Existing Concrete Ditch. Grind Stumps 24 inches Below Finish Grade. See Sheet Nos. H1 & H8 for Details.

△ Ramp K2 △ Sta. 0+42± to △ Sta. 2+24± Lt.
Remove 75 L.F. of Existing Guardrail and End Treatment. Install New Double Nested Modified Thrie-Beam Transition, 62.5 L.F. of New W-Beam, and Type "G" Flare. Connect Double Nested Modified Thrie-Beam Transition to Existing Thrie-Beam and New W-Beam.

Ramp K-1 △ Sta. 8+00
Install Traffic Counting Station. Refer to Sheet No. TCS 2.

△ Sta. 39+93± to △ Sta. 40+50± o/s 0'
Demolish, Remove, and Dispose Existing Grated Drop Inlet. Construct Type Special "121216P" Grated Drop Inlet. Construct Type Special "2012016P" Grated Drop Inlet. Install 54' L.F. of 24" Culvert. Match Existing Culvert with Inside Face of Type Special "2012016P" Grated Drop Inlet. See Sheet Nos. H2-H8 for Details.

△ Sta. 39+59.50 to △ Sta. 40+47 Median
Remove 87.5 L.F. of Existing Guardrail and End Treatment between △ Sta. 39+59.50 and △ Sta. 40+47. Transition 25 L.F. from Existing Strong Post Rubrail to 12.5 L.F. of Strong Post W-Beam. Install Quadguard QG28024 or equivalent and transition sections. See Plan Sheet Nos. 26 & 40 for Details.

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
ORIGINAL PLAN	

DATE	REVISION
5/25/17	Added ep & es labels Added ep lines Added concrete ditch line Revised construction callouts

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

MOKAPU SADDLE ROAD REHABILITATION
Nanamoana Street to Oneawa Street
Federal Aid Project No. STP-065-1(011)

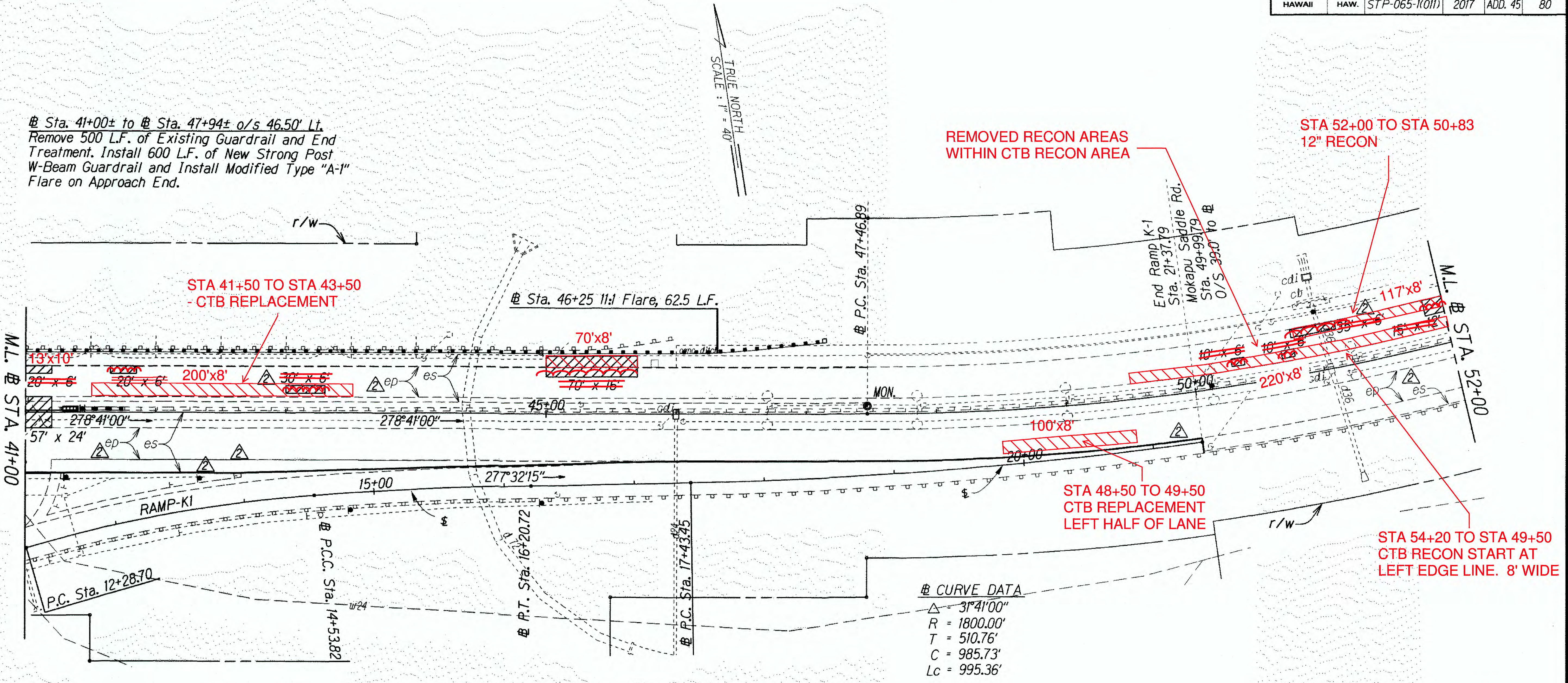
Scale: 1"=40' Date: March, 2017

SHEET No. 2 OF 5 SHEETS

AS-BUILT

ADD. 44

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-065-1(011)	2017	ADD. 45	80



DATE	
SURVEY PLOTTED BY	
DRAWN BY	
NOTES BY	
CHECKED BY	

LEGEND FOR AS-BUILT POSTINGS	
	SQUIGGLY LINE FOR AS-BUILT DELETION
	DOUBLE LINE FOR AS-BUILT DELETION
	TEXT FOR AS-BUILT POSTING

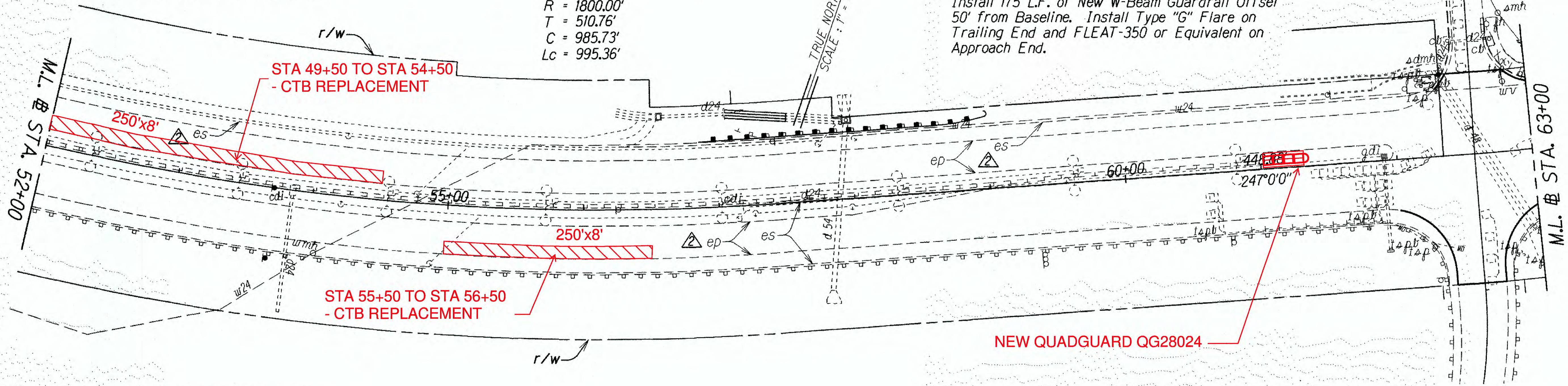
5/25/17	Added recon area dimensions Added ep & es labels Revised construction callouts Revised paving limits
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION ROADWAY PLANS MOKAPU SADDLE ROAD REHABILITATION Nanamoana Street to Oneawa Street Federal Aid Project No. STP-065-1(011) Scale: 1"=40' Date: March, 2017 SHEET No. 3 OF 5 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-065-1(011)	2017	ADD. 46	80

Sta. 57+07± Lt. to Sta. 57+52± Lt.
Sawcut, Remove, and Dispose Existing Concrete Ditch.
Construct 45 L.F. of Concrete Ditch.
See Sheet No. H7 for Details.

CURVE DATA
 $\Delta = 31^{\circ}41'00''$
 $R = 1800.00'$
 $T = 510.76'$
 $C = 985.73'$
 $Lc = 995.36'$

Sta. 56+87± to Sta. 59+00± Lt.
Remove 112.5 L.F. of Existing Guardrail and Post.
Install 175 L.F. of New W-Beam Guardrail Offset
50' from Baseline. Install Type "G" Flare on
Trailing End and FLEAT-350 or Equivalent on
Approach End.



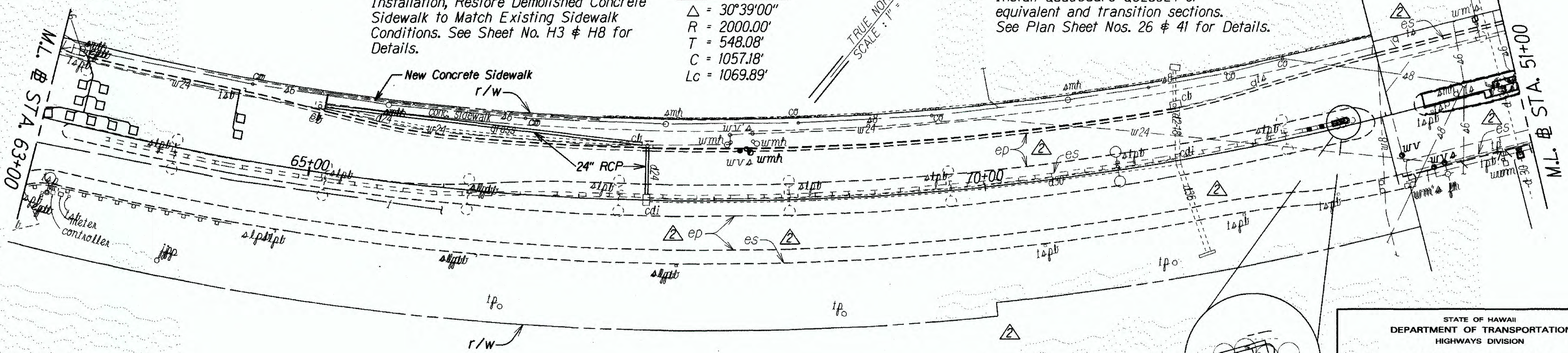
Sta. 65+00± to Sta. 66+24± Lt.
Sawcut, remove, and dispose of 124 L.F. of
existing concrete sidewalk. After 24" RCP
Class IV pipe installation, Install 124 L.F. of
New 7.5' concrete sidewalk. Match New Concrete
Sidewalk to existing sidewalk conditions.
Refer to Plan Sheet No. 21 for sidewalk details.

Sta. 65+00± to Sta. 67+50± Lt.
Remove 282 L.F. of Existing Pipe. Install
282 L.F. of 24" RCP, Class IV. After Pipe
Installation, Restore Demolished Concrete
Sidewalk to Match Existing Sidewalk
Conditions. See Sheet No. H3 & H8 for
Details.

CURVE DATA
 $\Delta = 30^{\circ}39'00''$
 $R = 2000.00'$
 $T = 548.08'$
 $C = 1057.18'$
 $Lc = 1069.89'$

Sta. 72+35± to Sta. 72+80± Median
Remove 25 L.F. of Existing Guardrail
and End Treatment. Install 25 L.F.
Transition from Existing Strong Post
Rubrail to new Strong Post W-beam.
Install QuadGuard QG28024 or
equivalent and transition sections.
See Plan Sheet Nos. 26 & 41 for Details.

(Mokapu Saddle Road)
 P.T. STA. 73+04.30 (Bk.)
 (Mokapu Boulevard)
 P.C. STA. 51+93.17 (Ahd.)



LEGEND FOR AS-BUILT POSTINGS
 SQUIGGLY LINE FOR AS-BUILT DELETION
 DOUBLE LINE FOR AS-BUILT DELETION
 ROADWAY TEXT FOR AS-BUILT POSTING

5/25/17 Added ep & es labels
 Revised construction callouts
 Removed duplicate labels

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ROADWAY PLANS
 MOKAPU SADDLE ROAD REHABILITATION
 Nanamoa Street to Oneawa Street
 Federal Aid Project No. STP-065-1(011)
 Scale: 1"=40' Date: March, 2017
 SHEET No. 4 OF 5 SHEETS

