

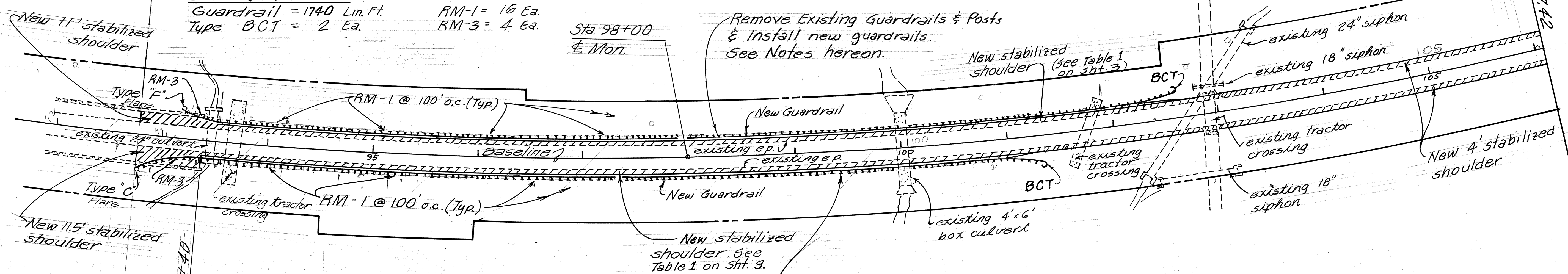
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HES-056-1(32)	1990	4	5

Sta. 93+50⁺ To Sta. 101+90⁺, Lt.
Sta. 93+35⁺ To Sta. 101+80⁺, Rt.
Remove existing conc. posts & timber guardrails. 1685 Lin. Ft.

Sta. 93+20 To Sta. 102+60, Lt.
Sta. 92+80 To Sta. 101+30, Rt.
Install new guardrail, type 3, single w/ steel posts. Install Type "C", "F" & "BCT" terminal sections as shown.
Est. Quantities
Guardrail = 1740 Lin. Ft.
Type BCT = 2 Ea.

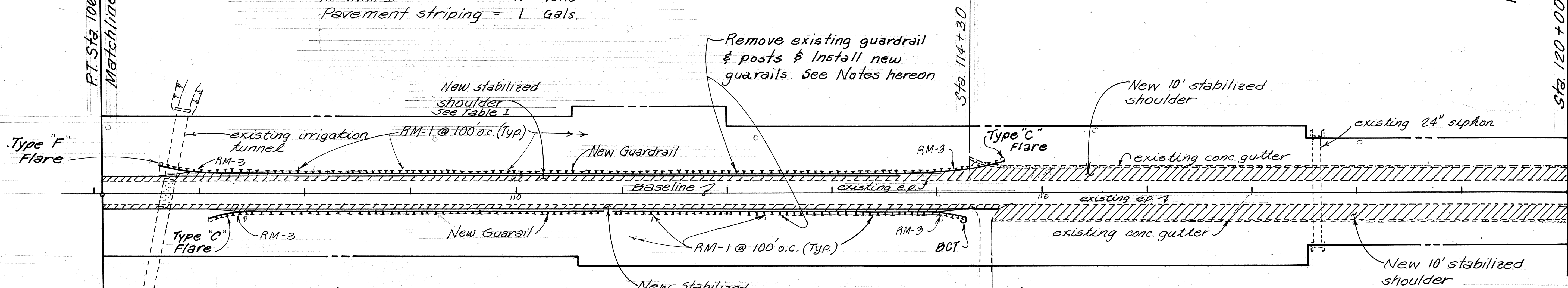
RM-1 = 16 Ea.
RM-3 = 4 Ea.

Sta. 93+40 to Sta. 106+07.42, Lt. & Rt.
Construct 4' wide stabilized shoulder.
See "Typical Section" on Sht. 3 for details.
Est. Quantities
Roadway Excavation = 397 Cu. Yd.
Aggregate Base = 297 Cu. Yd.
A.C. Mix V = 229 Tons
Pavement Striping = 9 Gals.



Sta. 92+80 To Sta. 93+40, Lt. & Rt.
Construct 11' wide (Lt.) and 11.5' wide (Rt.) stabilized shoulder. See "Typical Section" on Sht. 3 for details.
Est. Quantities
Roadway Excavation = 33 Cu. Yd.
Aggregate Base = 25 Cu. Yd.
A.C. Mix V = 19 Tons
Pavement striping = 1 Gals.

Remove Existing Guardrails and posts & Install new guardrails. See Notes hereon.



Sta. 106+96 to Sta. 114+00, Lt. & Rt.
Remove existing conc. posts & timber guardrail. 1408 Lin. Ft.
Sta. 106+60 to 114+60, Lt.
Sta. 107+00 to Sta. 114+30, Rt.
Install new guardrail type 3, single w/ steel posts. Install terminal sections as shown.
Est. Quantities
Guardrail = 1505 Lin. Ft.
Type BCT = 1 Ea.
RM-1 = 12 Ea.
RM-3 = 4 Ea.

Sta. 106+07.42 to Sta. 114+30, Lt.
Sta. 106+07.42 to Sta. 114+65, Rt.
Construct 4' wide stabilized shoulder. See "Typical Section" on Sht. 3 for details.
Est. Quantities
Roadway Excavation = 278 Cu. Yd.
Aggregate Base = 208 Cu. Yd.
A.C. Mix V = 146 Tons
Pavement striping = 6 Gals.

Sta. 114+30 to Sta. 120+00, Lt.
Sta. 114+65 to Sta. 120+00, Rt.
Construct 10' wide stabilized shoulder. See "Typical Section" on Sht. 3 for details.
Est. Quantities
Roadway excavation = 275 Cu. Yd.
Aggregate Base = 205 Cu. Yd.
A.C. Mix V = 158 Tons
Pavement striping = 4 Gals.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

KUHIO HIGHWAY GUARDRAIL AND SHOULDER IMPROVEMENTS AT ANAHOLA

PROJECT NO. HES-056-1(32)
Scale: 1" = 50' Aug., 1989
SHEET NO. 4 OF 5 SHEETS

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

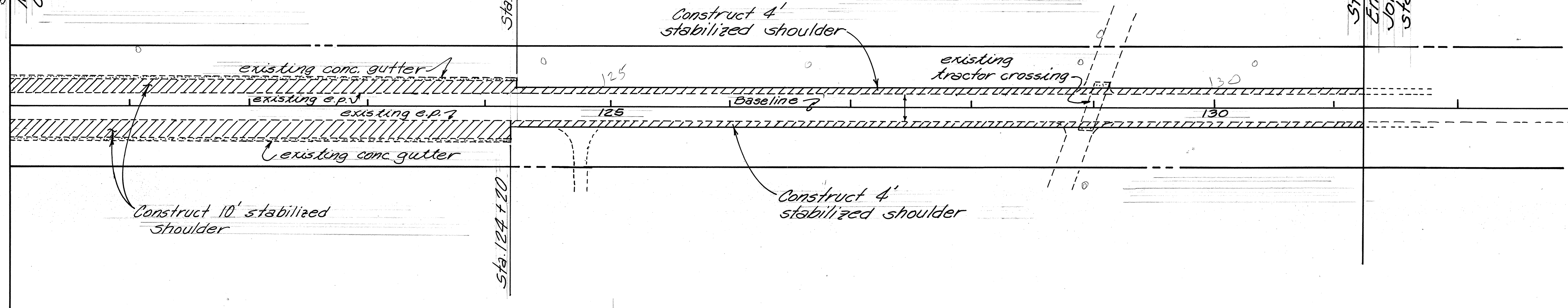
ORIGINAL FILED	SURVEY PLOTTED BY	DATE
NOTE BOOK No.	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

Sta. 120+00 to Sta. 124+25, Lt.
Sta. 120+00 to Sta. 124+20, Rt.
Construct 10' wide stabilized
shoulder. See "Typical Section"
on Sht. 3 for details.
Est. Quantities
Roadway Excavation = 210 Cu. Yd.
Aggregate Base = 157 Cu. Yd.
A.C. Mix V = 121 Tons 121
Pavement Striping = 3 Gals.

Sta. 124+25 to Sta. 131+25, Lt.
Sta. 124+20 to Sta. 131+25, Rt.
Construct 4' wide stabilized
shoulder. See "Typical Section"
on Sht. 3 for details.
Est. Quantities
Roadway Excavation = 140 Cu. Yd.
Aggregate Base = 104 Cu. Yd.
A.C. Mix V = 80 Tons 80
Pavement Striping = 5 Gals.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HES-056-1(32)	1990	5	5

Sta. 120+00
Matchline
Continued from Sht.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

KUHIO HIGHWAY GUARDRAIL
AND SHOULDER IMPROVEMENTS
AT ANAHOLA
PROJECT NO. HES-056-1(32)
Scale: 1" = 50' Aug., 1989

SHEET No. 5 OF 5 SHEETS