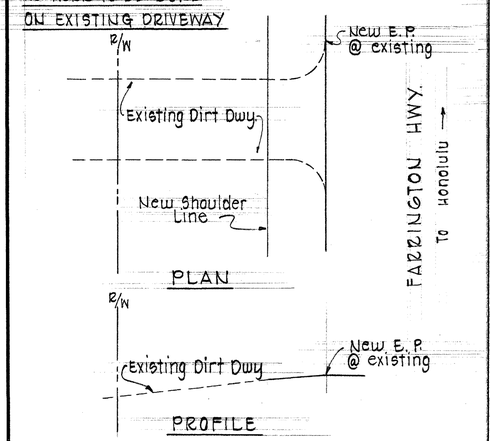
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		1969	20	104

PROJECT 900 B - 02 - 68 UNIT 2

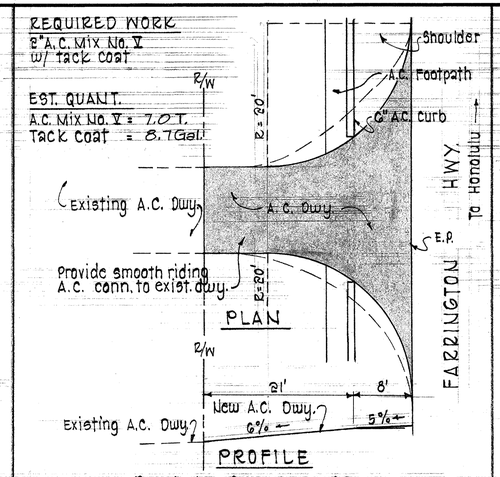
NO WORK TO BE DONE ON EXISTING DRIVEWAY



DWY. AT STA. 101 + 24

REQUIRED WORK
2" A.C. Mix No. V w/ tack coat

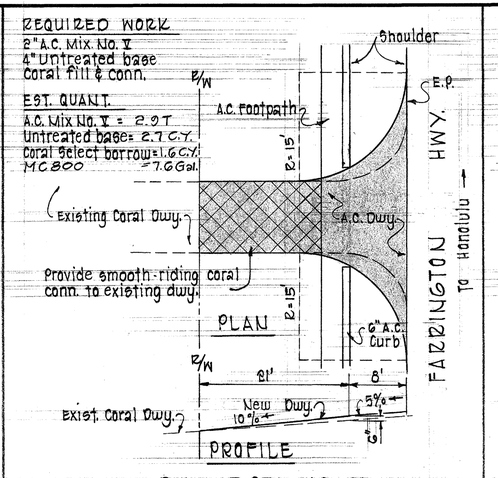
EST. QUANT.
A.C. Mix No. V = 7.0 T.
Tack Coat = 8.7 Gal.



DWY. AT STA. 107 + 93

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.

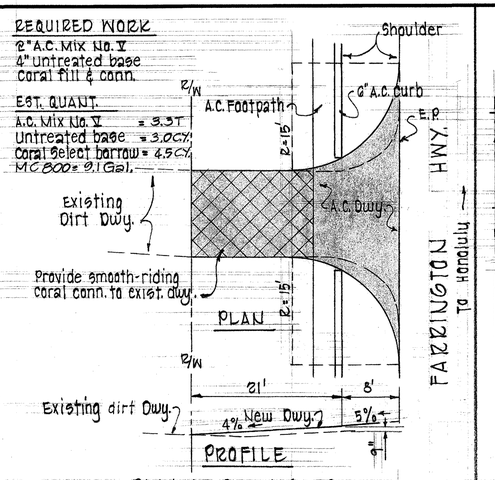
EST. QUANT.
A.C. Mix No. V = 2.9 T
Untreated base = 2.7 C.Y.
Coral Select borrow = 1.6 C.Y.
MC 800 = 7.6 Gal.



DWY. AT STA. 116 + 01

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.

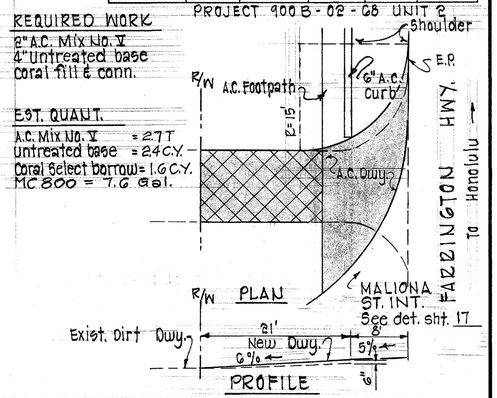
EST. QUANT.
A.C. Mix No. V = 3.3 T
Untreated base = 3.0 C.Y.
Coral Select borrow = 4.5 C.Y.
MC 800 = 9.1 Gal.



DWY. AT STA. 119 + 59

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.

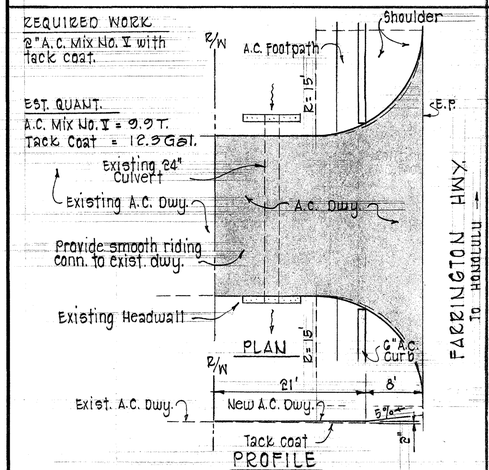
EST. QUANT.
A.C. Mix No. V = 2.7 T
Untreated base = 2.4 C.Y.
Coral Select borrow = 1.6 C.Y.
MC 800 = 7.6 Gal.



DWY. AT STA. 123 + 96

REQUIRED WORK
2" A.C. Mix No. V with tack coat.

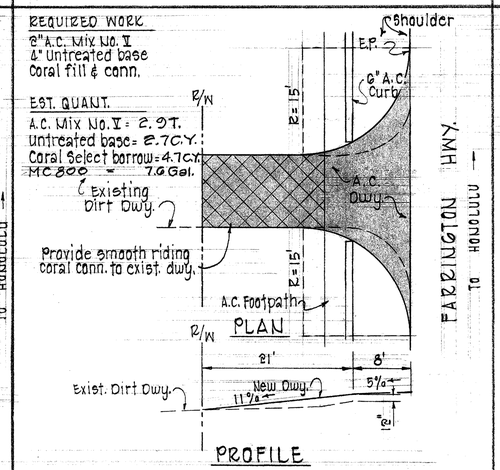
EST. QUANT.
A.C. Mix No. V = 9.9 T.
Tack Coat = 12.3 Gal.



DWY. AT STA. 102 + 93

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.

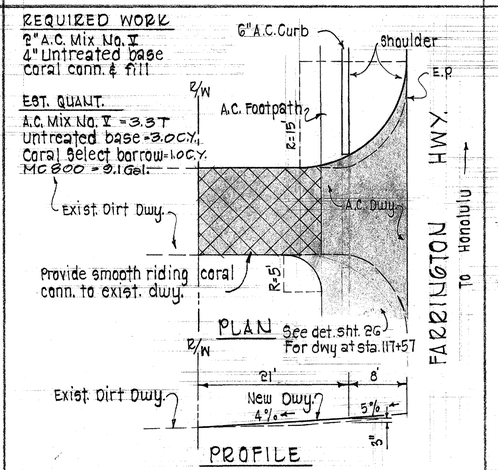
EST. QUANT.
A.C. Mix No. V = 2.9 T.
Untreated base = 2.7 C.Y.
Coral Select borrow = 4.7 C.Y.
MC 800 = 7.6 Gal.



DWY. AT STA. 113 + 25

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base coral conn. & fill

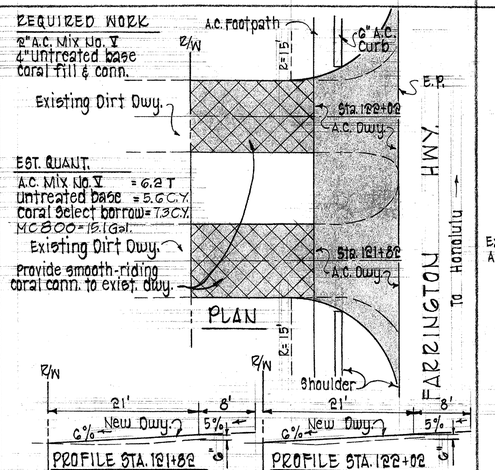
EST. QUANT.
A.C. Mix No. V = 3.3 T
Untreated base = 3.0 C.Y.
Coral Select borrow = 1.0 C.Y.
MC 800 = 9.1 Gal.



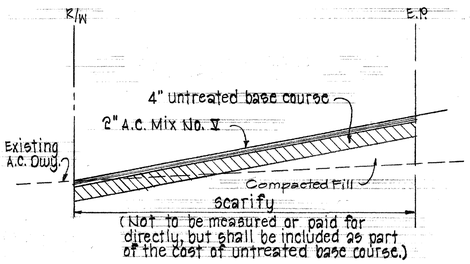
DWY. AT STA. 117 + 80

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.

EST. QUANT.
A.C. Mix No. V = 6.2 T
Untreated base = 5.6 C.Y.
Coral Select borrow = 7.3 C.Y.
MC 800 = 15.1 Gal.



DWYS. AT STA. 121 + 82 & STA. 122 + 02



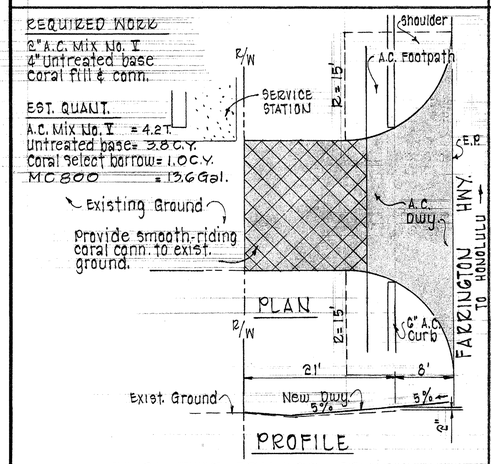
(Not to be measured or paid for directly, but shall be included as part of the cost of untreated base course.)

TYPICAL A.C. DRIVEWAY SECTION

Not to Scale

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.

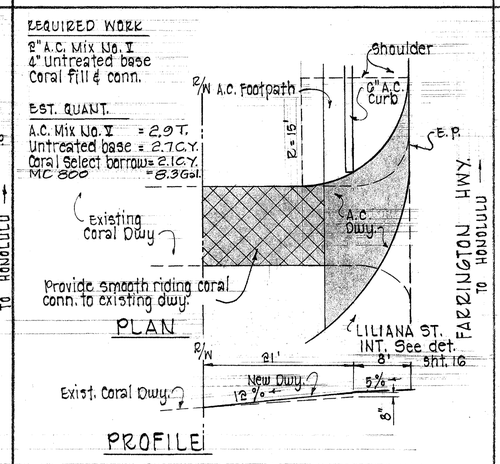
EST. QUANT.
A.C. Mix No. V = 4.2 T
Untreated base = 3.8 C.Y.
Coral Select borrow = 1.0 C.Y.
MC 800 = 13.6 Gal.



DWY. AT STA. 103 + 83

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.

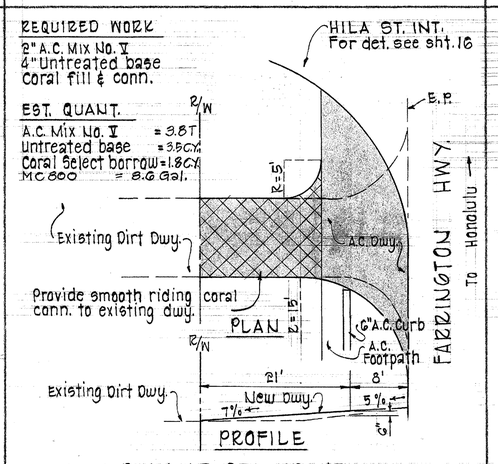
EST. QUANT.
A.C. Mix No. V = 2.9 T.
Untreated base = 2.7 C.Y.
Coral Select borrow = 2.1 C.Y.
MC 800 = 8.3 Gal.



DWY. AT STA. 114 + 32

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.

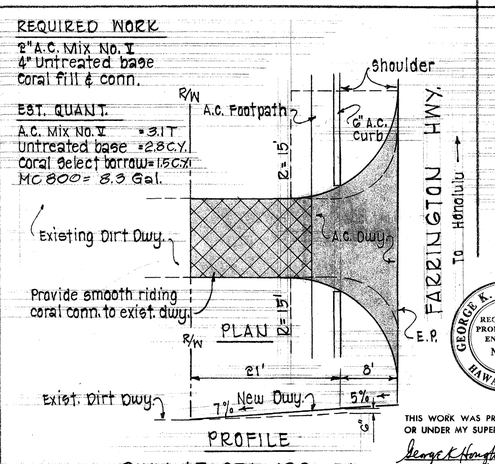
EST. QUANT.
A.C. Mix No. V = 3.8 T
Untreated base = 3.5 C.Y.
Coral Select borrow = 1.8 C.Y.
MC 800 = 8.6 Gal.



DWY. AT STA. 118 + 47

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.

EST. QUANT.
A.C. Mix No. V = 3.1 T
Untreated base = 2.8 C.Y.
Coral Select borrow = 1.5 C.Y.
MC 800 = 8.3 Gal.



DWY. AT STA. 122 + 54

NOTES:

1. Driveway connections shall be constructed of the same or better material as existing.
2. A.C. concrete pavement, untreated base course, prime coat, tack coat, coral select borrow with MC 800, and excavation for driveways shall be paid for under respective roadway items.
3. See this sht. for Typical A.C. Driveway Sections.
4. All coral driveways shall have MC 800 bituminous seal coat.
5. For driveways, excavation from E.P. to outside edge of A.C. curb, is indicated on the cross-sections and therefore not duplicated in the Estimated Quantity of work for driveways.
6. For detail of A.C. footpath transition at driveways see sht. 19.
7. All changes in driveway grade shall be rounded to provide a smooth transition.

GEORGE K. HOUGHTALING
REGISTERED PROFESSIONAL ENGINEER
No. 470
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

George K. Houghtaling
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRIVEWAY DETAILS

FARRINGTON HIGHWAY WIDENING
PROJECT 900 B-02-68
UNIT 2

SCALE: 1" = 10'

SHEET No. 1 OF 8 SHEETS

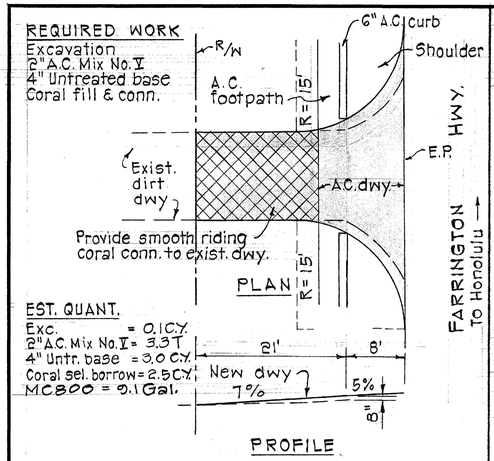
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

PRINTED ON NO. 1000H CLEARPRINT

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		1969	21	104

PROJECT 900B-02-68 UNIT 2

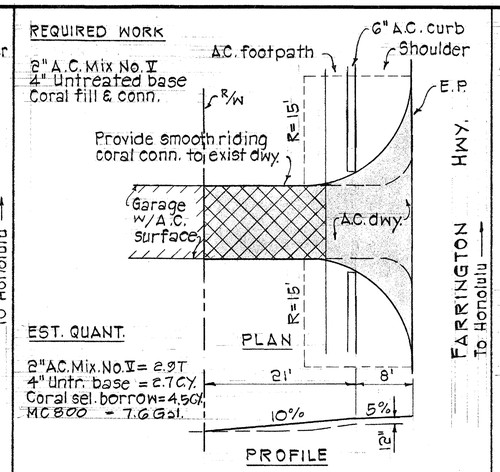
REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
Exc. = 0.1 C.Y.
2" A.C. Mix No. V = 3.3 T
4" Untr. base = 3.0 C.Y.
Coral sel. borrow = 2.5 C.Y.
MC 800 = 9.1 Gal.

DWY. AT STA. 124+43

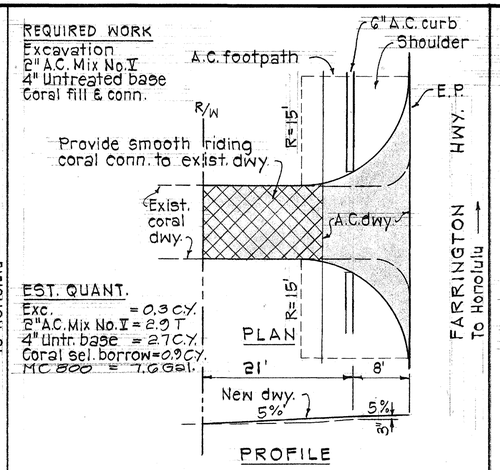
REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
2" A.C. Mix No. V = 2.9 T
4" Untr. base = 2.7 C.Y.
Coral sel. borrow = 4.5 C.Y.
MC 800 = 7.6 Gal.

DWY. AT STA. 129+52

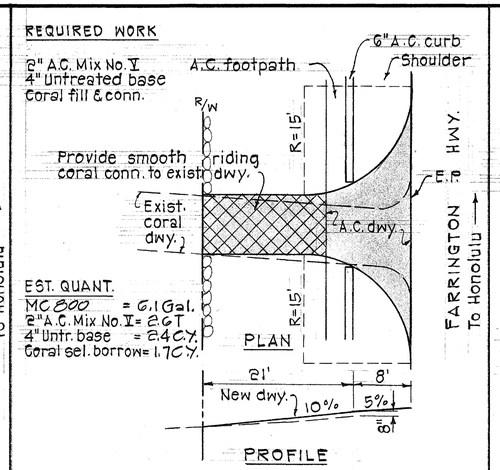
REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
Exc. = 0.3 C.Y.
2" A.C. Mix No. V = 2.9 T
4" Untr. base = 2.7 C.Y.
Coral sel. borrow = 0.9 C.Y.
MC 800 = 7.6 Gal.

DWY. AT STA. 134+77

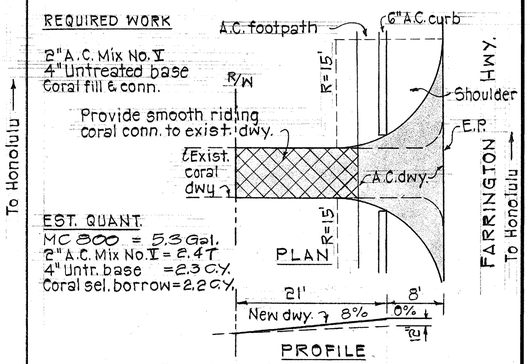
REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
MC 800 = 6.1 Gal.
2" A.C. Mix No. V = 2.6 T
4" Untr. base = 2.4 C.Y.
Coral sel. borrow = 1.7 C.Y.

DWY. AT STA. 142+88

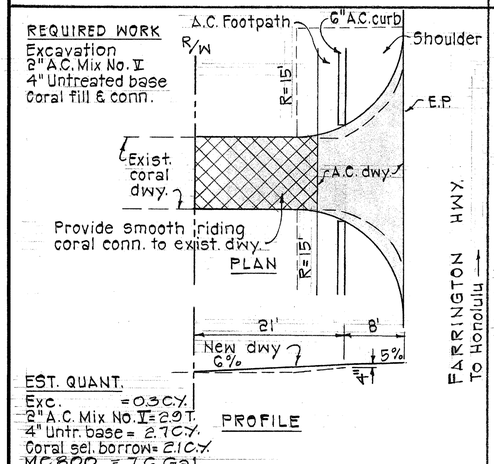
REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
MC 800 = 5.3 Gal.
2" A.C. Mix No. V = 2.4 T
4" Untr. base = 2.3 C.Y.
Coral sel. borrow = 2.2 C.Y.

DWY. AT STA. 145+65

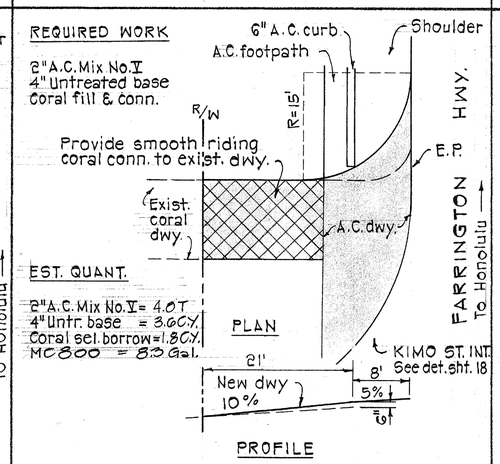
REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
Exc. = 0.3 C.Y.
2" A.C. Mix No. V = 2.9 T.
4" Untr. base = 2.7 C.Y.
Coral sel. borrow = 2.1 C.Y.
MC 800 = 7.6 Gal.

DWY. AT STA. 126+78

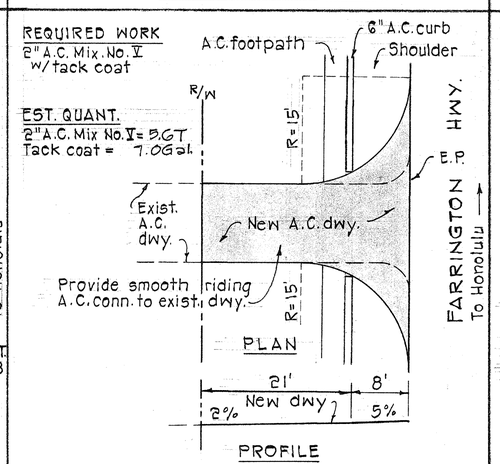
REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
2" A.C. Mix No. V = 4.0 T
4" Untr. base = 3.6 C.Y.
Coral sel. borrow = 1.8 C.Y.
MC 800 = 8.3 Gal.

DWY. AT STA. 131+22

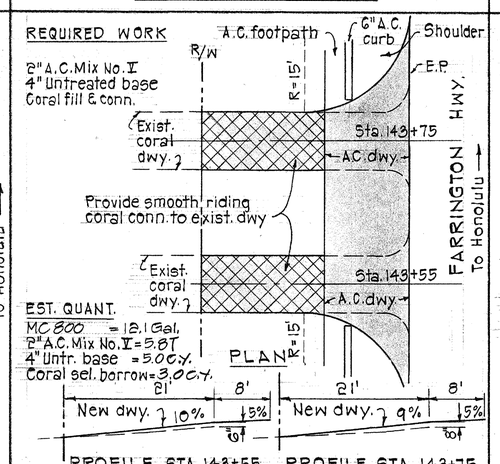
REQUIRED WORK
2" A.C. Mix. No. V
w/ tack coat



EST. QUANT.
2" A.C. Mix No. V = 3.6 T
Tack coat = 7.0 Gal.

DWY. AT STA. 136+43

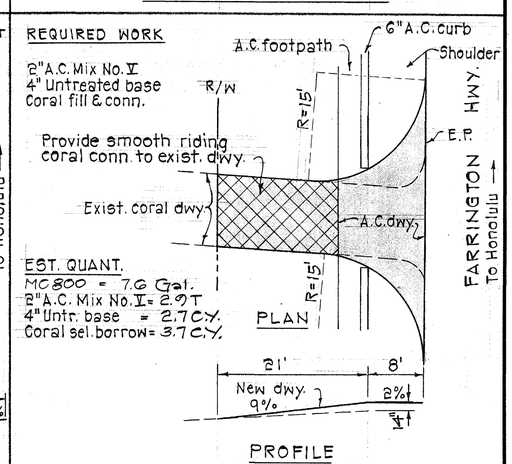
REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
MC 800 = 12.1 Gal.
2" A.C. Mix No. V = 5.8 T
4" Untr. base = 5.0 C.Y.
Coral sel. borrow = 3.0 C.Y.

DWYS. AT STA. 143+55 & STA. 143+75

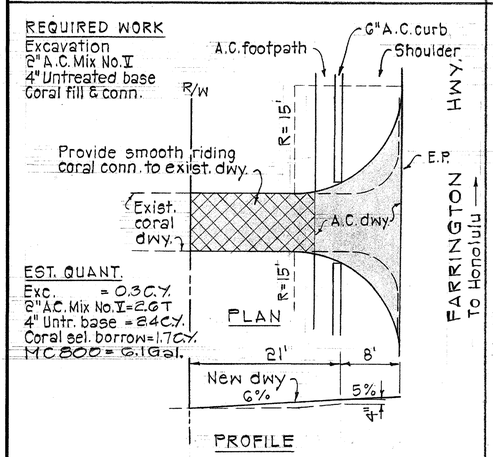
REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
MC 800 = 7.6 Gal.
2" A.C. Mix No. V = 2.9 T
4" Untr. base = 2.7 C.Y.
Coral sel. borrow = 3.7 C.Y.

DWY. AT STA. 146+03

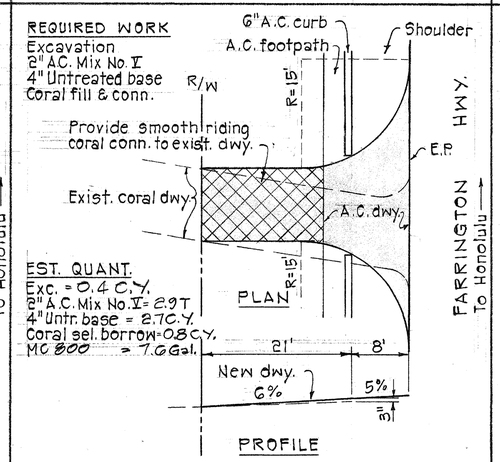
REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
Exc. = 0.3 C.Y.
2" A.C. Mix No. V = 2.6 T
4" Untr. base = 2.4 C.Y.
Coral sel. borrow = 1.7 C.Y.
MC 800 = 6.1 Gal.

DWY. AT STA. 127+68

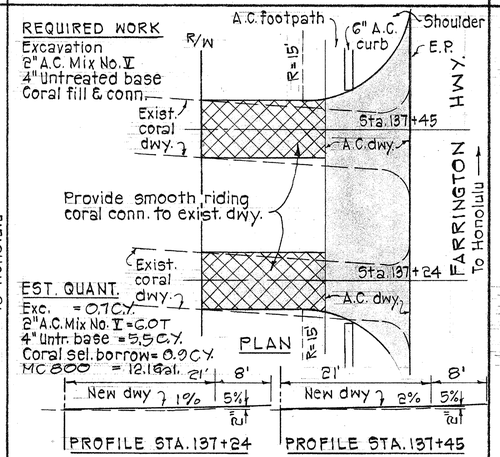
REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
Exc. = 0.4 C.Y.
2" A.C. Mix No. V = 2.9 T
4" Untr. base = 2.7 C.Y.
Coral sel. borrow = 0.8 C.Y.
MC 800 = 7.6 Gal.

DWY. AT STA. 134+36

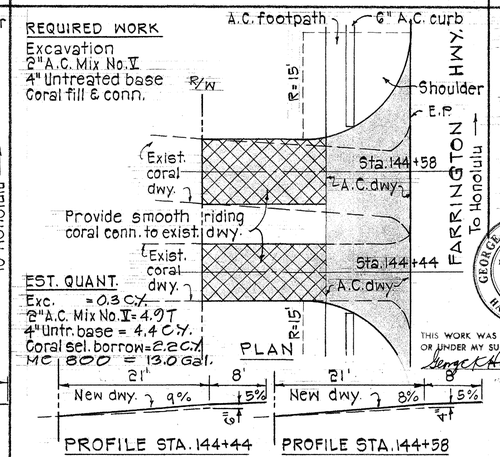
REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
Exc. = 0.7 C.Y.
2" A.C. Mix No. V = 6.0 T
4" Untr. base = 5.5 C.Y.
Coral sel. borrow = 0.9 C.Y.
MC 800 = 12.1 Gal.

DWYS. AT STA. 137+24 & STA. 137+45

REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
Exc. = 0.3 C.Y.
2" A.C. Mix No. V = 4.9 T
4" Untr. base = 4.4 C.Y.
Coral sel. borrow = 2.2 C.Y.
MC 800 = 13.0 Gal.

DWYS. AT STA. 144+44 & STA. 144+58

NOTES:

1. Driveway connections shall be constructed of the same or better material as existing.
2. A.C. concrete pavement, untreated base course, prime coat, tack coat, coral select borrow with MC 800, and excavation for driveways shall be paid for under respective roadway items.
3. See sht. 20 for Typical A.C. Driveway Section.
4. All coral driveways shall have MC 800 bituminous seal coat.
5. For driveways, excavation from E.P. to outside edge of AC curb, is indicated on the cross-sections and therefore not duplicated in the Estimated Quantity of Work for driveways.
6. For detail of A.C. footpath transition at driveways see sht. 19.
7. All changes in driveway grade shall be rounded to provide a smooth transition.

GEORGE K. HOUGHTALING
REGISTERED PROFESSIONAL ENGINEER
No. 470
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
George K. Houghtaling
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRIVEWAY DETAILS

FARRINGTON HIGHWAY WIDENING
PROJECT 900 B-02-68
UNIT 2

SCALE: 1" = 10'

SHEET No. 2 OF 8 SHEETS

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

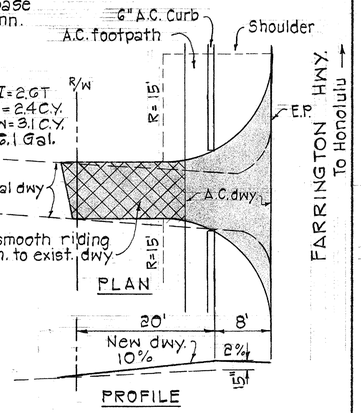
PRINTED ON NO. 1000H CLEARPRINT

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		1969	22	104

PROJECT 900B-02-68 UNIT 2

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.

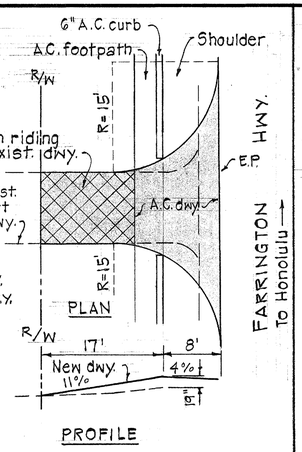
EST. QUANT.
2" A.C. Mix No. V = 2.6 T
4" Untr. base = 2.4 C.Y.
Coral sel. borrow = 3.1 C.Y.
MC 800 = 6.1 Gal.



DWY. AT STA. 146+46

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.

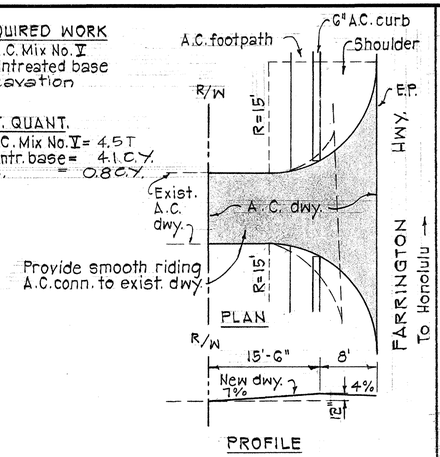
EST. QUANT.
2" A.C. Mix No. V = 2.9 T
4" Untr. base = 2.7 C.Y.
Coral sel. borrow = 3.9 C.Y.
MC 800 = 5.8 Gal.



DWY. AT STA. 147+62

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Excavation

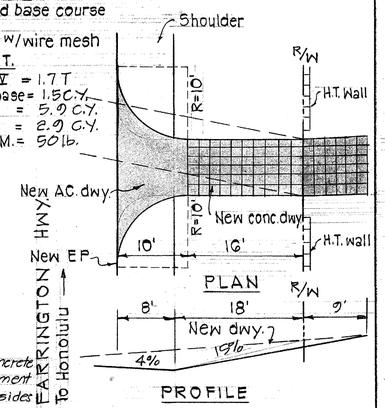
EST. QUANT.
2" A.C. Mix No. V = 4.5 T
4" Untr. base = 4.1 C.Y.
Exc. = 0.8 C.Y.



DWY. AT STA. 148+46

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation
Cl. "A-1" conc. w/wire mesh

EST. QUANT.
A.C. Mix No. V = 1.7 T
Untreated base = 1.5 C.Y.
Exc. = 5.9 C.Y.
Cl. "A-1" conc. = 2.9 C.Y.
6"x6"-6/6 W.M. = 50 lb.

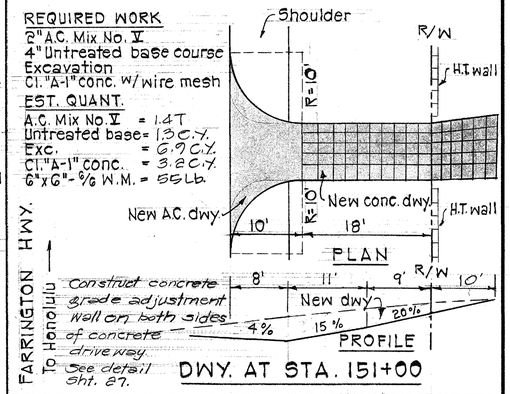


Construct concrete grade adjustment wall on both sides of concrete driveway. See detail, sht. 27.

DWY. AT STA. 149+66

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation
Cl. "A-1" conc. w/wire mesh

EST. QUANT.
A.C. Mix No. V = 1.4 T
Untreated base = 1.3 C.Y.
Exc. = 6.9 C.Y.
Cl. "A-1" conc. = 3.2 C.Y.
6"x6"-6/6 W.M. = 55 Lb.

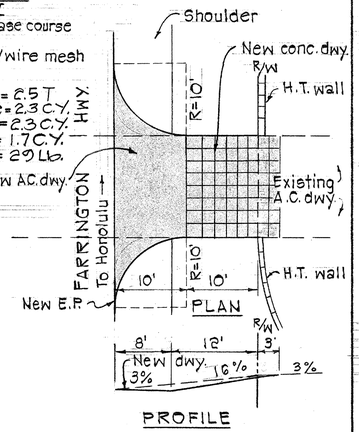


Construct concrete grade adjustment wall on both sides of concrete driveway. See detail sht. 27.

DWY. AT STA. 151+00

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation
Cl. "A-1" conc. w/wire mesh

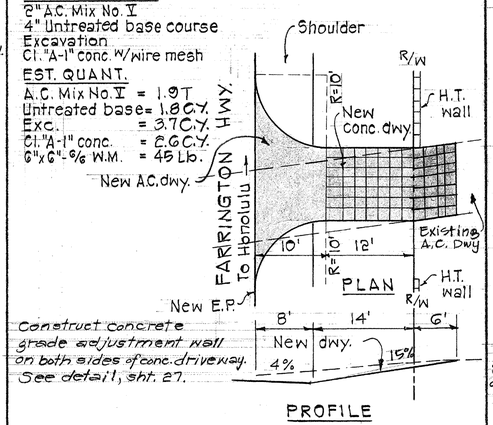
EST. QUANT.
A.C. Mix No. V = 2.5 T
Untreated base = 2.3 C.Y.
Exc. = 2.3 C.Y.
Cl. "A-1" conc. = 1.7 C.Y.
6"x6"-6/6 W.M. = 29 Lb.



DWY. AT STA. 146+57

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation
Cl. "A-1" conc. w/wire mesh

EST. QUANT.
A.C. Mix No. V = 1.9 T
Untreated base = 1.8 C.Y.
Exc. = 3.7 C.Y.
Cl. "A-1" conc. = 2.6 C.Y.
6"x6"-6/6 W.M. = 45 Lb.

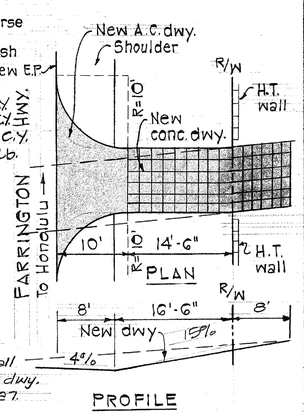


Construct concrete grade adjustment wall on both sides of conc. driveway. See detail, sht. 27.

DWY. AT STA. 147+78

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation
Cl. "A-1" conc. w/wire mesh

EST. QUANT.
A.C. Mix No. V = 1.6 T
Untreated base = 1.7 C.Y.
Exc. = 5.8 C.Y.
Cl. "A-1" conc. = 2.8 C.Y.
6"x6"-6/6 W.M. = 48 Lb.

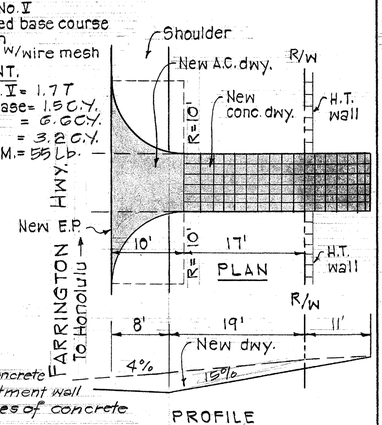


Construct concrete grade adjustment wall on both sides of conc. dwy. See detail, sheet 27.

DWY. AT STA. 149+00

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation
Cl. "A-1" conc. w/wire mesh

EST. QUANT.
A.C. Mix No. V = 1.7 T
Untreated base = 1.5 C.Y.
Exc. = 6.6 C.Y.
Cl. "A-1" conc. = 3.2 C.Y.
6"x6"-6/6 W.M. = 55 Lb.

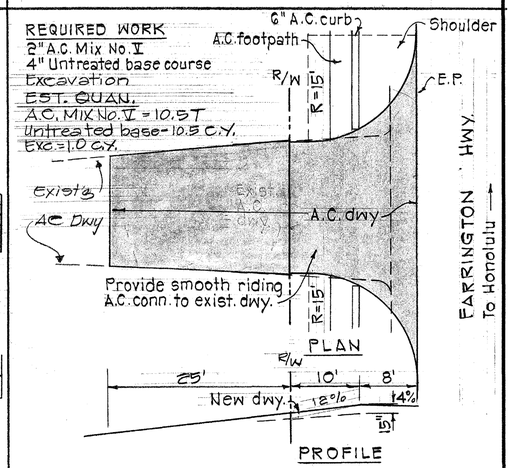


Construct concrete grade adjustment wall on both sides of concrete driveway. See detail, sht. 27.

DWY. AT STA. 150+30

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation

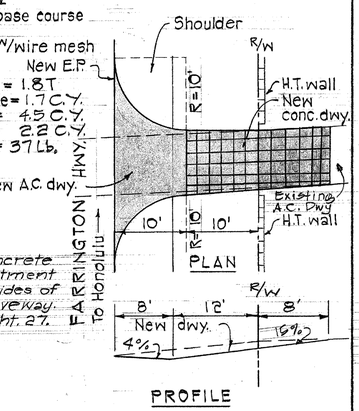
EST. QUANT.
A.C. Mix No. V = 10.5 T
Untreated base = 10.3 C.Y.
Exc. = 1.0 C.Y.



DWY. AT STA. 151+50

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation
Cl. "A-1" conc. w/wire mesh

EST. QUANT.
A.C. Mix No. V = 1.8 T
Untreated base = 1.7 C.Y.
Exc. = 4.5 C.Y.
Cl. "A-1" conc. = 2.2 C.Y.
6"x6"-6/6 W.M. = 37 Lb.

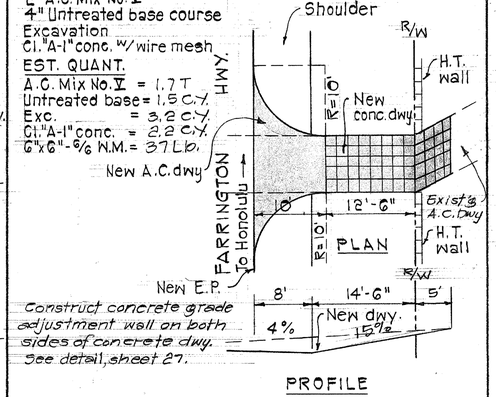


Construct concrete grade adjustment wall on both sides of concrete driveway. See detail, sht. 27.

DWY. AT STA. 147+00

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation
Cl. "A-1" conc. w/wire mesh

EST. QUANT.
A.C. Mix No. V = 1.7 T
Untreated base = 1.5 C.Y.
Exc. = 3.2 C.Y.
Cl. "A-1" conc. = 2.2 C.Y.
6"x6"-6/6 N.M. = 37 Lb.

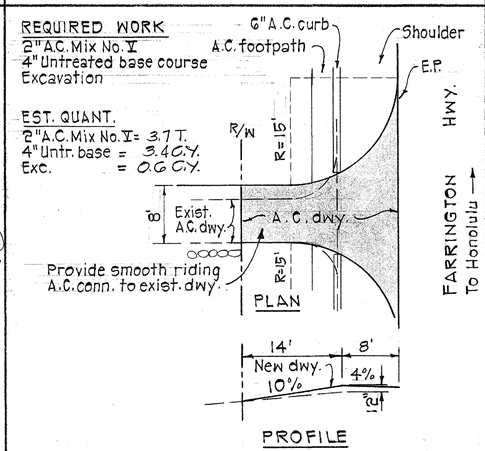


Construct concrete grade adjustment wall on both sides of concrete dwy. See detail, sheet 27.

DWY. AT STA. 148+33

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation

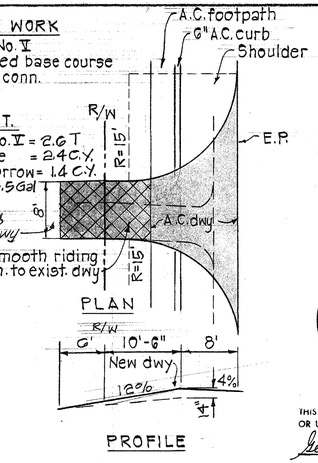
EST. QUANT.
2" A.C. Mix No. V = 3.7 T.
4" Untr. base = 3.4 C.Y.
Exc. = 0.6 C.Y.



DWY. AT STA. 149+30

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Coral fill & conn.

EST. QUANT.
2" A.C. Mix No. V = 2.6 T
4" Untr. base = 2.4 C.Y.
Coral sel. borrow = 1.4 C.Y.
MC 800 = 4.5 Gal.



DWY. AT STA. 150+61

NOTES:
1. Driveway connections shall be constructed of the same or better material as existing.
2. A.C. concrete pavement, untreated base course, prime coat, tack coat, coral select borrow with MC 800, and excavation for driveways shall be paid for under respective roadway items.
3. See sht. 20 for Typical A.C. Driveway Section.
4. All coral driveways shall have MC 800 bituminous seal coat.
5. For driveways, excavation from E.P. to outside edge of A.C. curb is indicated on the cross-sections and therefore not duplicated in the Estimated Quantity of Work for driveways.
6. For detail of A.C. footpath transition at driveways see sht. 19.
7. All changes in driveway grade shall be rounded to provide a smooth transition.

GEORGE K. HOUGHTALING
REGISTERED PROFESSIONAL ENGINEER
No. 470
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
George K. Houghtaling
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRIVEWAY DETAILS

FARRINGTON HIGHWAY WIDENING
PROJECT 900B-02-68
UNIT 2

SCALE: 1" = 10'

SHEET No. 3 OF 8 SHEETS

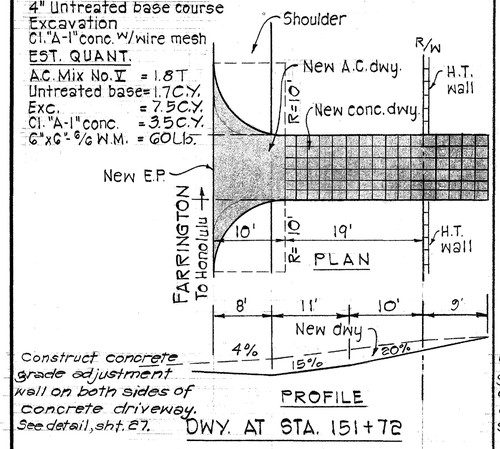
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

PRINTED ON NO. 1000H CLEARPRINT

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		1969	23	104

PROJECT 900B-02-68 UNIT 2

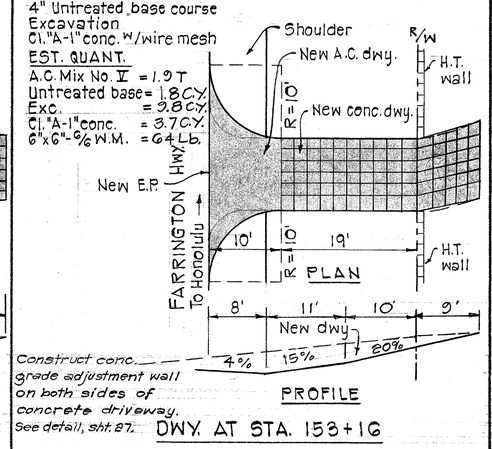
REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation
Cl. "A-1" conc. w/wire mesh
EST. QUANT.
A.C. Mix No. V = 1.8 T
Untreated base = 1.7 C.Y.
Exc. = 7.5 C.Y.
Cl. "A-1" conc. = 3.5 C.Y.
6"x6"-6/6 W.M. = 60 Lb.



Construct concrete grade adjustment wall on both sides of concrete driveway. See detail, sht. 27.

DWY. AT STA. 151+72

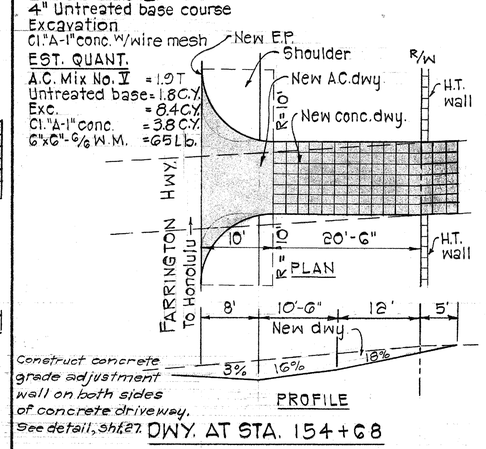
REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation
Cl. "A-1" conc. w/wire mesh
EST. QUANT.
A.C. Mix No. V = 1.9 T
Untreated base = 1.8 C.Y.
Exc. = 9.8 C.Y.
Cl. "A-1" conc. = 3.7 C.Y.
6"x6"-6/6 W.M. = 64 Lb.



Construct conc. grade adjustment wall on both sides of concrete driveway. See detail, sht. 27.

DWY. AT STA. 153+16

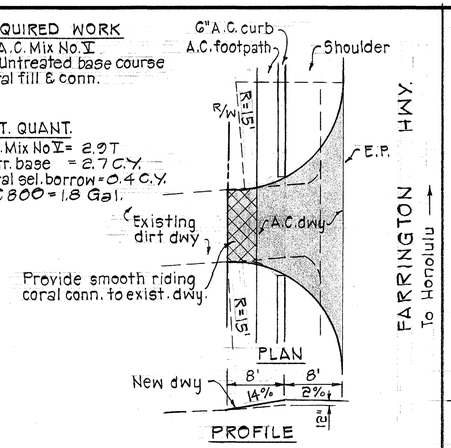
REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation
Cl. "A-1" conc. w/wire mesh
EST. QUANT.
A.C. Mix No. V = 1.9 T
Untreated base = 1.8 C.Y.
Exc. = 8.4 C.Y.
Cl. "A-1" conc. = 3.8 C.Y.
6"x6"-6/6 W.M. = 65 Lb.



Construct concrete grade adjustment wall on both sides of concrete driveway. See detail, sht. 27.

DWY. AT STA. 154+68

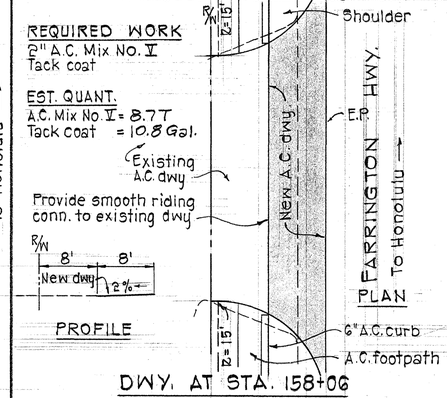
REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Coral fill & conn.
EST. QUANT.
A.C. Mix No. V = 2.9 T
Untr. base = 2.7 C.Y.
Coral sel. borrow = 0.4 C.Y.
MC 800 = 1.8 Gal.



DWY. AT STA. 155+83

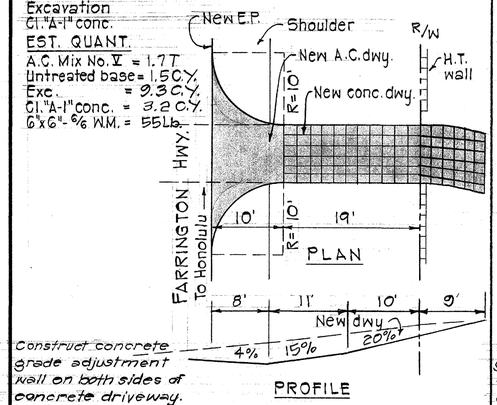
REQUIRED WORK
2" A.C. Mix No. V
Tack coat

EST. QUANT.
A.C. Mix No. V = 8.7 T
Tack coat = 10.8 Gal.



DWY. AT STA. 158+06

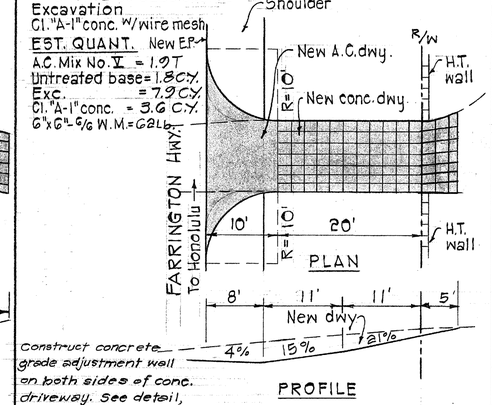
REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation
Cl. "A-1" conc.
EST. QUANT.
A.C. Mix No. V = 1.7 T
Untreated base = 1.5 C.Y.
Exc. = 9.3 C.Y.
Cl. "A-1" conc. = 3.2 C.Y.
6"x6"-6/6 W.M. = 55 Lb.



Construct concrete grade adjustment wall on both sides of concrete driveway. See detail, sht. 27.

DWY. AT STA. 152+35

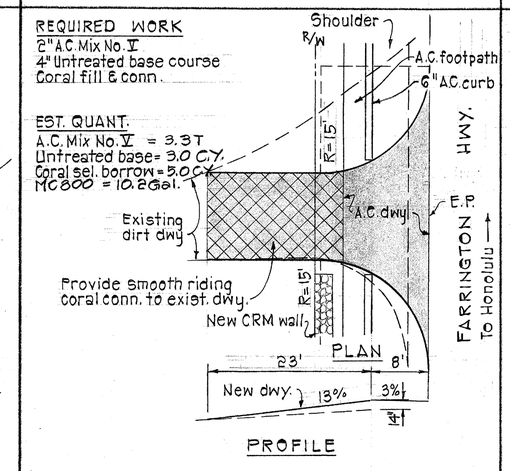
REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation
Cl. "A-1" conc. w/wire mesh
EST. QUANT.
A.C. Mix No. V = 1.9 T
Untreated base = 1.8 C.Y.
Exc. = 7.9 C.Y.
Cl. "A-1" conc. = 3.6 C.Y.
6"x6"-6/6 W.M. = 62 Lb.



Construct concrete grade adjustment wall on both sides of conc. driveway. See detail, sht. 27.

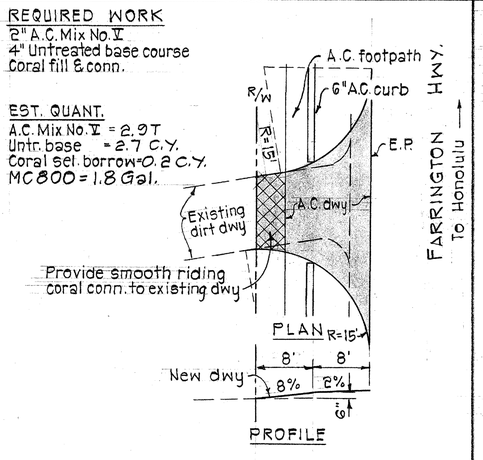
DWY. AT STA. 153+84

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Coral fill & conn.
EST. QUANT.
A.C. Mix No. V = 3.3 T
Untreated base = 3.0 C.Y.
Coral sel. borrow = 3.0 C.Y.
MC 800 = 10.2 Gal.



DWY. AT STA. 154+90

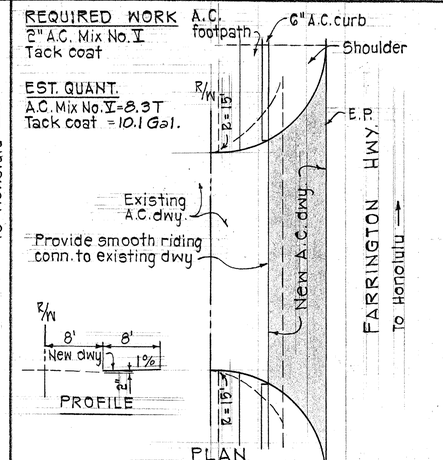
REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Coral fill & conn.
EST. QUANT.
A.C. Mix No. V = 2.9 T
Untr. base = 2.7 C.Y.
Coral sel. borrow = 0.2 C.Y.
MC 800 = 1.8 Gal.



DWY. AT STA. 156+73

REQUIRED WORK
2" A.C. Mix No. V
Tack coat

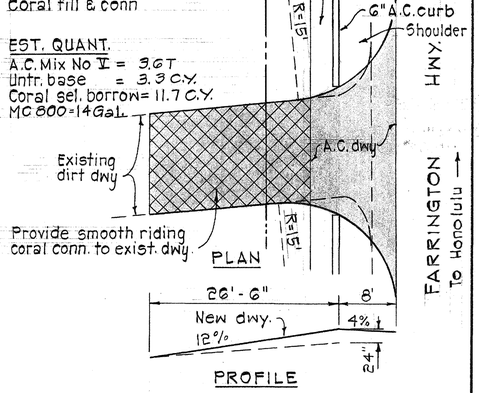
EST. QUANT.
A.C. Mix No. V = 8.3 T
Tack coat = 10.1 Gal.



DWY. AT STA. 158+94

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Coral fill & conn

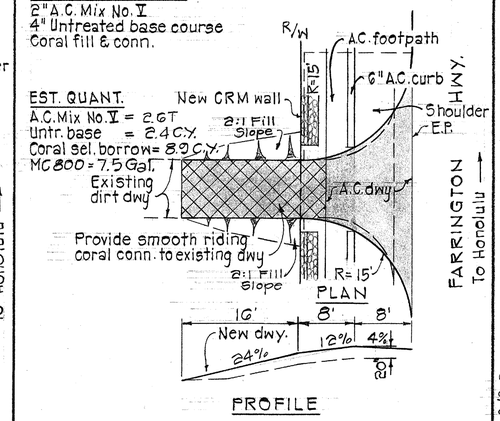
EST. QUANT.
A.C. Mix No. V = 3.6 T
Untr. base = 3.3 C.Y.
Coral sel. borrow = 11.7 C.Y.
MC 800 = 14 Gal.



DWY. AT STA. 152+46

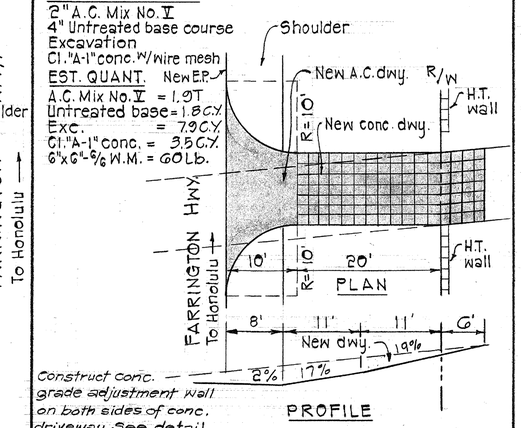
REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Coral fill & conn.

EST. QUANT.
A.C. Mix No. V = 2.6 T
Untr. base = 2.4 C.Y.
Coral sel. borrow = 8.2 C.Y.
MC 800 = 7.5 Gal.



DWY. AT STA. 153+91

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation
Cl. "A-1" conc. w/wire mesh
EST. QUANT.
A.C. Mix No. V = 1.9 T
Untreated base = 1.8 C.Y.
Exc. = 7.9 C.Y.
Cl. "A-1" conc. = 3.5 C.Y.
6"x6"-6/6 W.M. = 60 Lb.

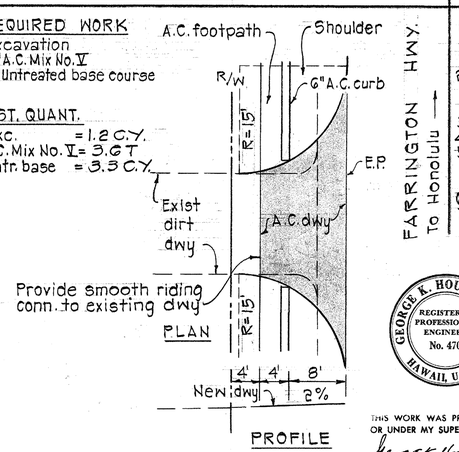


Construct conc. grade adjustment wall on both sides of conc. driveway. See detail, sht. 27.

DWY. AT STA. 155+62

REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base course

EST. QUANT.
Exc. = 1.2 C.Y.
A.C. Mix No. V = 3.6 T
Untr. base = 3.3 C.Y.



DWY. AT STA. 157+57

NOTES:
1. Driveway connections shall be constructed of the same or better material as existing.
2. A.C. concrete pavement, untreated base course, prime coat, tack coat, coral select borrow with MC 800, and excavation for driveways shall be paid for under respective roadway items.
3. See sht. 20 for Typical A.C. Driveway Section.
4. All coral driveways shall have MC 800 bituminous seal coat.
5. For driveways, excavation from E.P. to outside edge of A.C. curb is indicated on the cross-sections and therefore not duplicated in the Estimated Quantity of Work for driveways.
6. For detail of A.C. footpath transition at driveways see sht. 19.
7. All changes in driveway grade shall be rounded to provide a smooth transition.

GEORGE K. HOUGHTALING
REGISTERED PROFESSIONAL ENGINEER
No. 470
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION,
George K. Houghtaling
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRIVEWAY DETAILS

FARRINGTON HIGHWAY WIDENING
PROJECT 900B-02-68
UNIT 2

SCALE: 1" = 10'

SHEET No. 4 OF 8 SHEETS

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

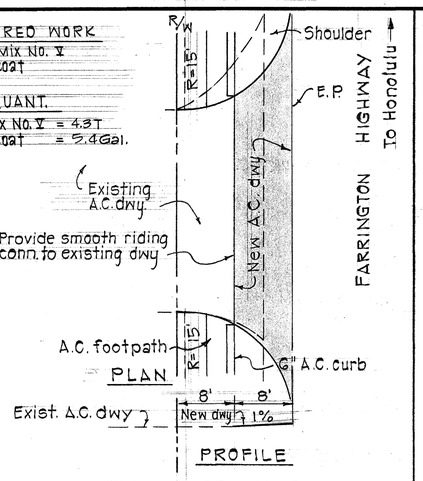
PRINTED ON NO. 1000H CLEARPRINT

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		1969	24	104

PROJECT 900 B-02-68 UNIT 2

REQUIRED WORK
2" A.C. Mix No. V
Tack coat

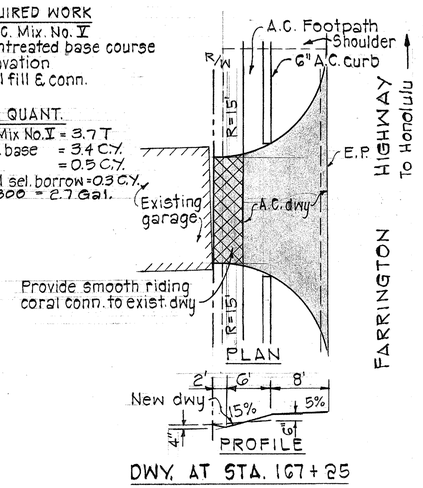
EST. QUANT.
A.C. Mix No. V = 4.3T
Tack Coat = 5.4 Gal.



DWY. AT STA. 159+66

REQUIRED WORK
2" A.C. Mix. No. V
4" Untreated base course
Excavation
Coral fill & conn.

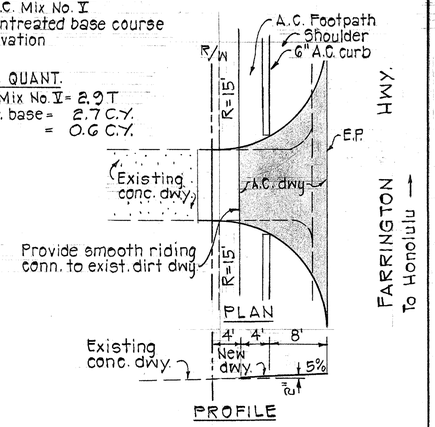
EST. QUANT.
A.C. Mix No. V = 3.7 T
Untr. base = 3.4 C.Y.
Exc. = 0.5 C.Y.
Coral sel. borrow = 0.3 C.Y.
MC 800 = 2.7 Gal.



DWY. AT STA. 167+25

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation

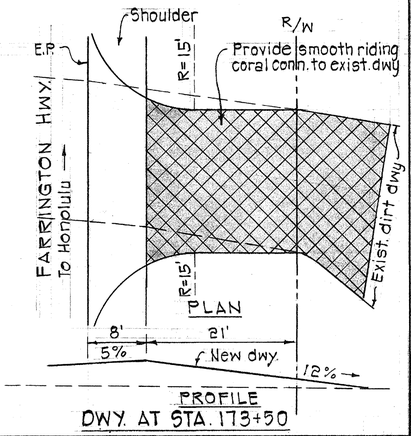
EST. QUANT.
A.C. Mix No. V = 2.9 T
Untr. base = 2.7 C.Y.
Exc. = 0.6 C.Y.



DWY. AT STA. 169+15

REQUIRED WORK
Coral fill & conn.

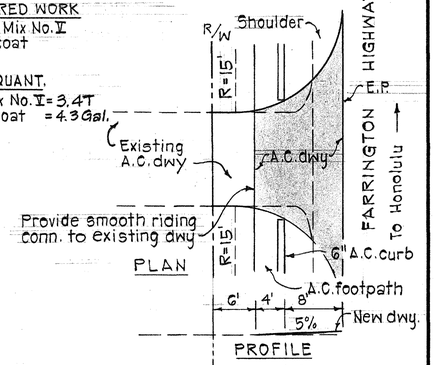
EST. QUANT.
Coral sel. borrow = 42.6 C.Y.
MC 800 = 29.3 Gal.



DWY. AT STA. 173+50

REQUIRED WORK
2" A.C. Mix No. V
Tack coat

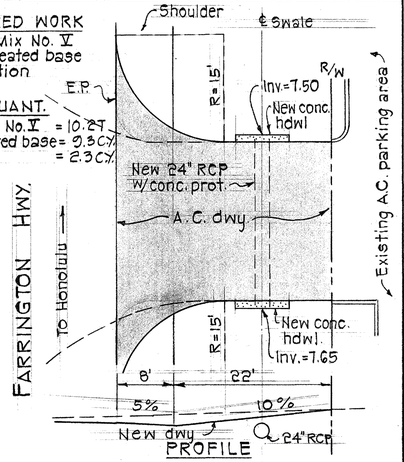
EST. QUANT.
A.C. Mix No. V = 3.4T
Tack coat = 4.3 Gal.



DWY. AT STA. 179+64

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Excavation

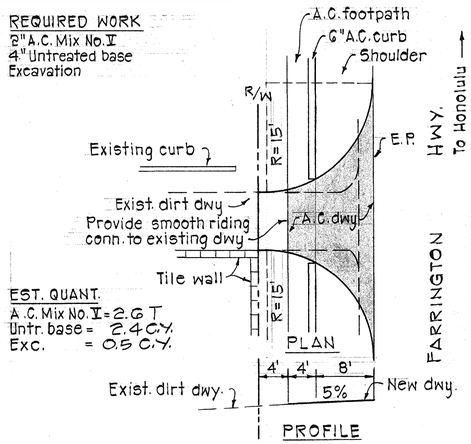
EST. QUANT.
A.C. Mix No. V = 10.2T
Untreated base = 9.3 C.Y.
Exc. = 2.3 C.Y.



DWY. AT STA. 159+82

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Excavation

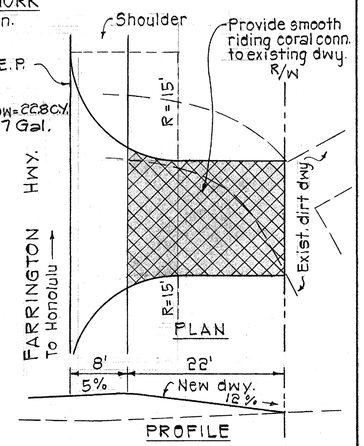
EST. QUANT.
A.C. Mix No. V = 2.6 T
Untr. base = 2.4 C.Y.
Exc. = 0.5 C.Y.



DWY. AT STA. 167+86

REQUIRED WORK
Coral fill & conn.

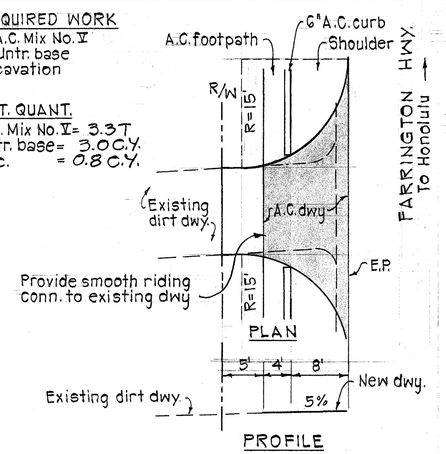
EST. QUANT.
Coral sel. borrow = 22.8 C.Y.
MC 800 = 15.7 Gal.



DWY. AT STA. 169+85

REQUIRED WORK
2" A.C. Mix No. V
4" Untr. base
Excavation

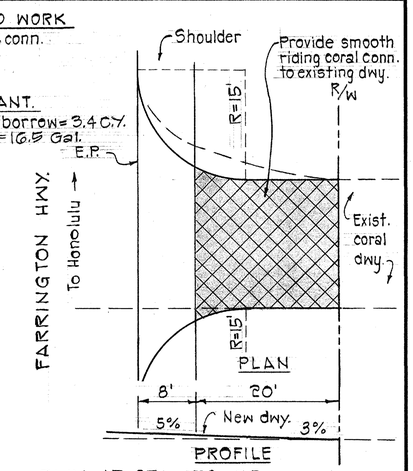
EST. QUANT.
A.C. Mix No. V = 3.3T
Untr. base = 3.0 C.Y.
Exc. = 0.8 C.Y.



DWY. AT STA. 174+12

REQUIRED WORK
Coral fill & conn.

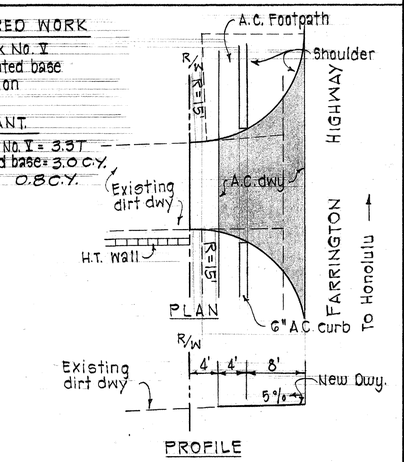
EST. QUANT.
Coral sel. borrow = 3.4 C.Y.
MC 800 = 16.5 Gal.



DWY. AT STA. 179+75

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Excavation

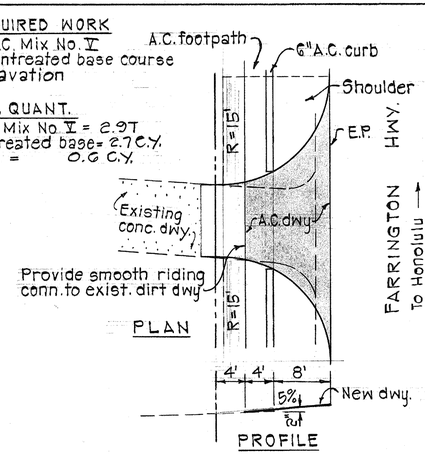
EST. QUANT.
A.C. Mix No. V = 3.3T
Untreated base = 3.0 C.Y.
Exc. = 0.8 C.Y.



DWY. AT STA. 162+38

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation

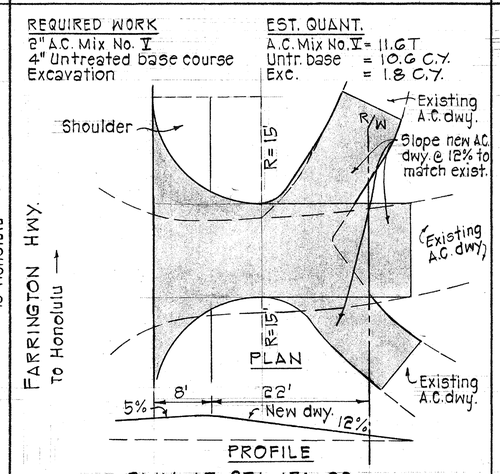
EST. QUANT.
A.C. Mix No. V = 2.9T
Untreated base = 2.7 C.Y.
Exc. = 0.6 C.Y.



DWY. AT STA. 168+53

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base course
Excavation

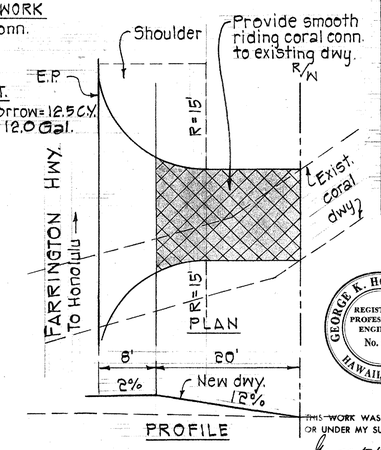
EST. QUANT.
A.C. Mix No. V = 11.6T
Untr. base = 10.6 C.Y.
Exc. = 1.8 C.Y.



DWY. AT STA. 171+00

REQUIRED WORK
Coral fill & conn.

EST. QUANT.
Coral sel. borrow = 12.5 C.Y.
MC 800 = 12.0 Gal.



DWY. AT STA. 175+96

NOTES:
1. Driveway connections shall be constructed of the same or better material as existing.
2. A.C. concrete pavement, untreated base course, prime coat, tack coat, coral select borrow with MC 800, and excavation for driveways shall be paid for under respective roadway items.
3. See sht. 20 for Typical A.C. Driveway Section.
4. All coral driveways shall have MC 800 bituminous seal coat.
5. For driveways, excavation from E.P. to outside edge of A.C. curb, is indicated on the cross-sections and therefore not duplicated in the Estimated Quantity of Work for driveways.
6. For detail of A.C. footpath transition at driveways see sht. 19.
7. All changes in driveway grade shall be rounded to provide a smooth transition.

GEORGE K. HOUGHTALING
REGISTERED PROFESSIONAL ENGINEER
No. 470
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
George K. Houghtaling
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRIVEWAY DETAILS

FARRINGTON HIGHWAY WIDENING
PROJECT 900 B-02-68
UNIT 2

SCALE: 1" = 10'

SHEET No. 5 OF 8 SHEETS

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE | NOTE BOOK No.

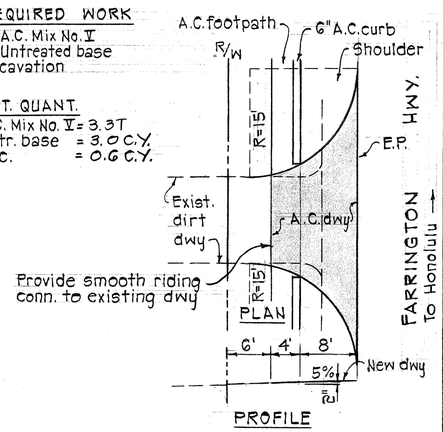
PRINTED ON NO. 1000H CLEARPRINT

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		1969	25	104

PROJECT 900 B-02-68 UNIT 2

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Excavation

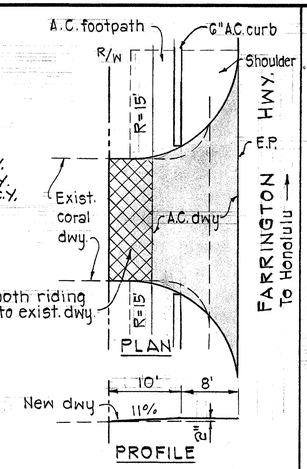
EST. QUANT.
A.C. Mix No. V = 3.3T
Untr. base = 3.0 C.Y.
Exc. = 0.6 C.Y.



DWY. AT STA. 180+60

REQUIRED WORK
2" A.C. Mix No. V
4" Untr. base
Excavation
Coral fill & conn.

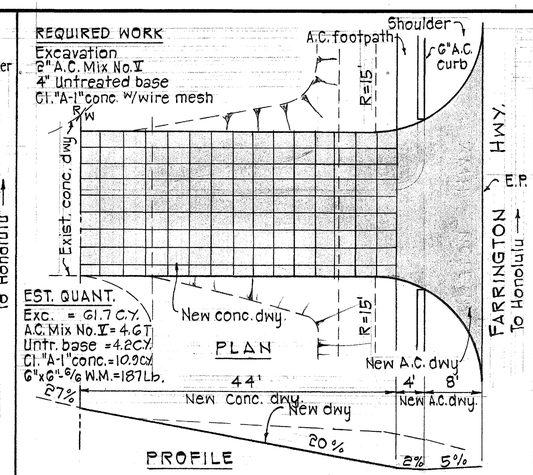
EST. QUANT.
A.C. Mix No. V = 4.1 T
Untr. base = 3.7 C.Y.
Exc. = 0.3 C.Y.
Coral sel. borrow = 0.3 C.Y.
MC 800 = 4.6 Gal.



DWY. AT STA. 182+83

REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Cl. "A-1" conc. w/wire mesh

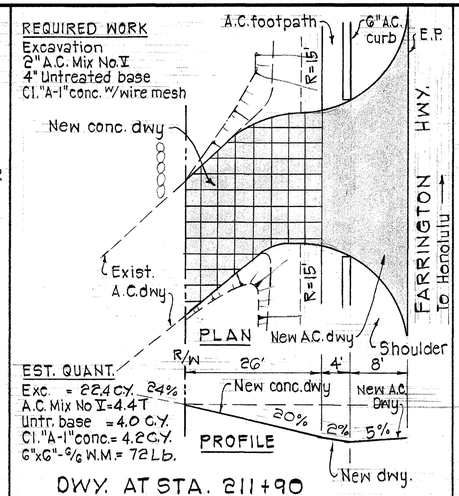
EST. QUANT.
Exc. = 61.7 C.Y.
A.C. Mix No. V = 4.6T
Untr. base = 4.2 C.Y.
Cl. "A-1" conc. = 10.9 C.Y.
6" x 6" - 6/6 W.M. = 187 Lb.



DWY. AT STA. 208+92

REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Cl. "A-1" conc. w/wire mesh

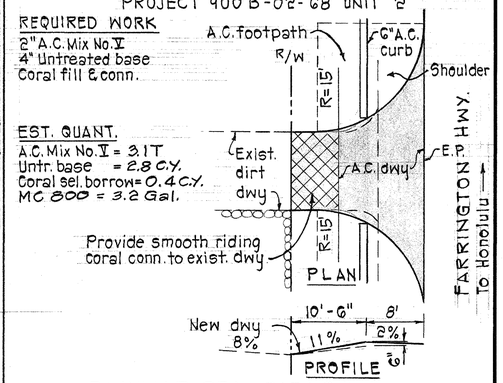
EST. QUANT.
Exc. = 22.4 C.Y.
A.C. Mix No V = 4.4 T
Untr. base = 4.0 C.Y.
Cl. "A-1" conc. = 4.2 C.Y.
6" x 6" - 6/6 W.M. = 72 Lb.



DWY. AT STA. 211+90

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.

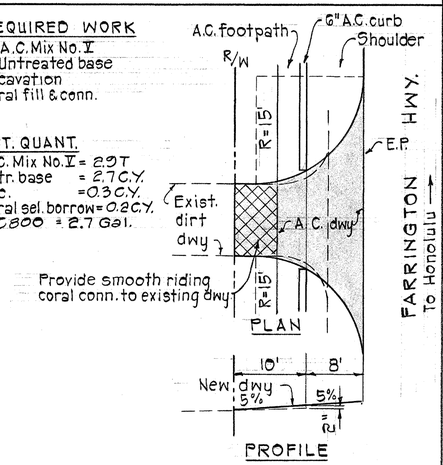
EST. QUANT.
A.C. Mix No. V = 3.1T
Untr. base = 2.8 C.Y.
Coral sel. borrow = 0.4 C.Y.
MC 800 = 3.2 Gal.



DWY. AT STA. 215+94

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Excavation
Coral fill & conn.

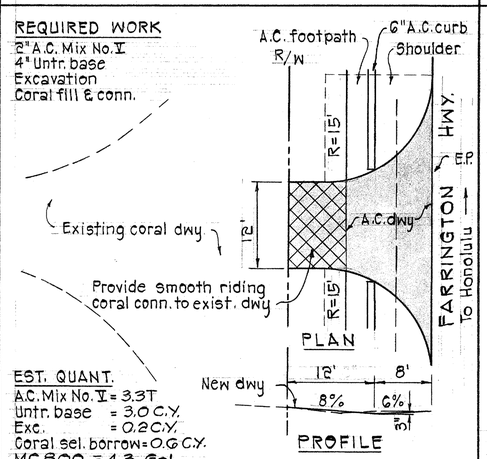
EST. QUANT.
A.C. Mix No. V = 2.9T
Untr. base = 2.7 C.Y.
Exc. = 0.3 C.Y.
Coral sel. borrow = 0.2 C.Y.
MC 800 = 2.7 Gal.



DWY. AT STA. 181+60

REQUIRED WORK
2" A.C. Mix No. V
4" Untr. base
Excavation
Coral fill & conn.

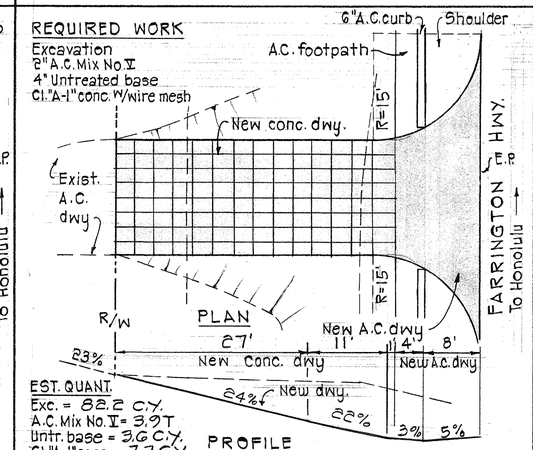
EST. QUANT.
A.C. Mix No. V = 3.3T
Untr. base = 3.0 C.Y.
Exc. = 0.2 C.Y.
Coral sel. borrow = 0.6 C.Y.
MC 800 = 4.3 Gal.



DWY. AT STA. 193+77

REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Cl. "A-1" conc. w/wire mesh

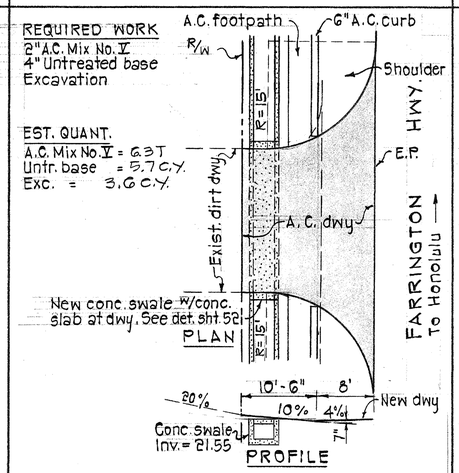
EST. QUANT.
Exc. = 82.2 C.Y.
A.C. Mix No. V = 3.9T
Untr. base = 3.6 C.Y.
Cl. "A-1" conc. = 7.7 C.Y.
6" x 6" - 6/6 W.M. = 133 Lb.



DWY. AT STA. 210+00

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Excavation

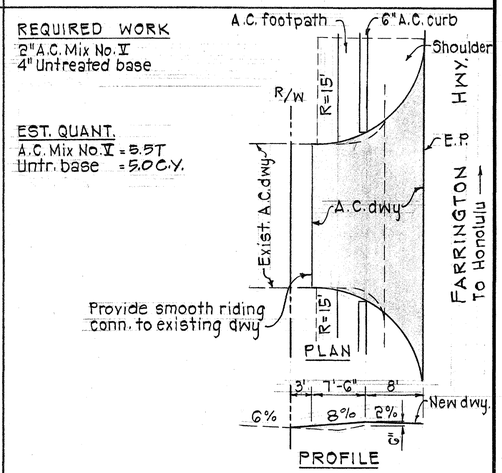
EST. QUANT.
A.C. Mix No. V = 6.3T
Untr. base = 5.7 C.Y.
Exc. = 3.6 C.Y.



DWY. AT STA. 213+88

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base

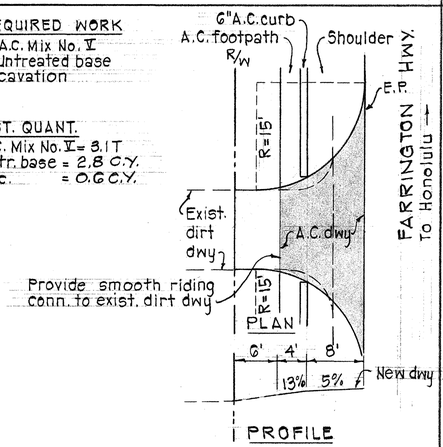
EST. QUANT.
A.C. Mix No. V = 5.5T
Untr. base = 5.0 C.Y.



DWY. AT STA. 216+37

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Excavation

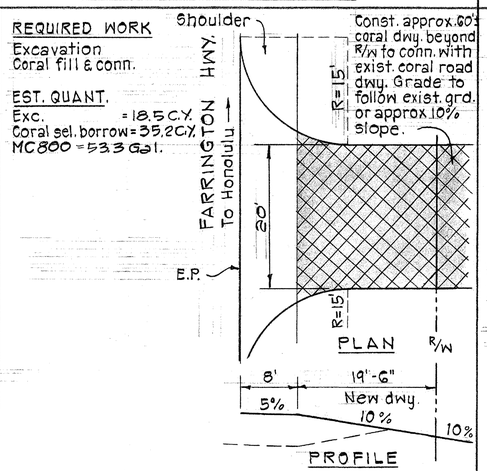
EST. QUANT.
A.C. Mix No. V = 3.1T
Untr. base = 2.8 C.Y.
Exc. = 0.6 C.Y.



DWY. AT STA. 182+03

REQUIRED WORK
Excavation
Coral fill & conn.

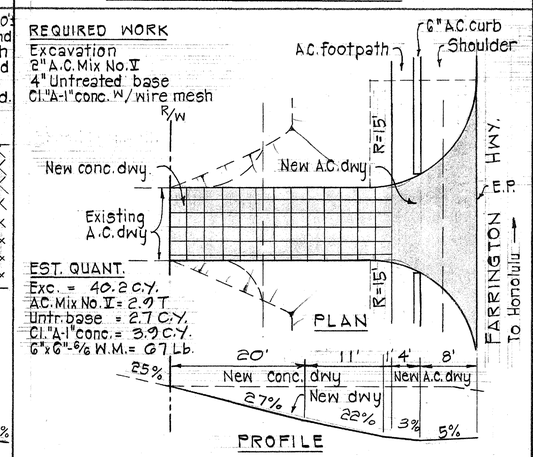
EST. QUANT.
Exc. = 18.5 C.Y.
Coral sel. borrow = 35.2 C.Y.
MC 800 = 53.3 Gal.



DWY. AT STA. 198+00

REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Cl. "A-1" conc. w/wire mesh

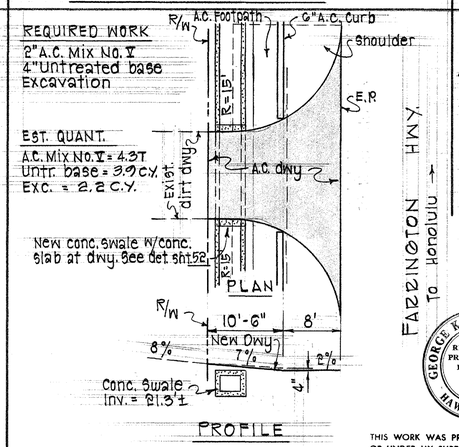
EST. QUANT.
Exc. = 40.2 C.Y.
A.C. Mix No. V = 2.9T
Untr. base = 2.7 C.Y.
Cl. "A-1" conc. = 3.9 C.Y.
6" x 6" - 6/6 W.M. = 67 Lb.



DWY. AT STA. 210+80

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Excavation

EST. QUANT.
A.C. Mix No. V = 4.3T
Untr. base = 3.9 C.Y.
Exc. = 2.2 C.Y.



DWY. AT STA. 214+40

NOTES:

1. Driveway connections shall be constructed of the same or better material as existing.
2. A.C. concrete pavement, untreated base course, prime coat, tack coat, coral select borrow with MC800, and excavation for driveways shall be paid for under respective roadway items.
3. See sht. 20 for Typical A.C. Driveway Section.
4. All coral driveways shall have MC 800 bituminous seal coat.
5. For driveways, excavation from E.P. to outside edge of A.C. curb, is indicated on the cross-sections and therefore not duplicated in the Estimated Quantity of Work for driveways.
6. For detail of A.C. footpath transition at driveways see sht. 19.
7. All changes in driveway grade shall be rounded to provide a smooth transition.

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

GEORGE K. HOUGHTALING
REGISTERED PROFESSIONAL ENGINEER
No. 470
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
George K. Houghtaling
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRIVEWAY DETAILS

FARRINGTON HIGHWAY WIDENING
PROJECT 900 B-02-68
UNIT 2

SCALE: 1" = 10'

SHEET No. 6 OF 8 SHEETS

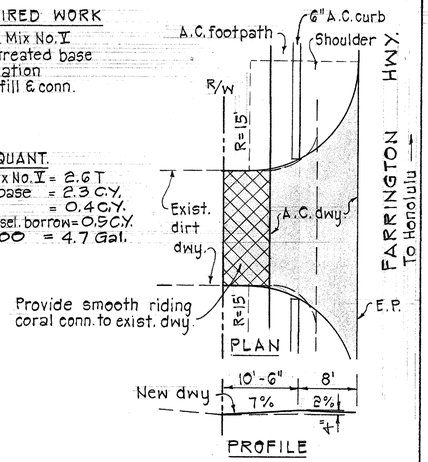
PRINTED ON NO. 1000H CLEARPRINT

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		1969	26	104

PROJECT 900B-02-68 UNIT 2

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Excavation
Coral fill & conn.

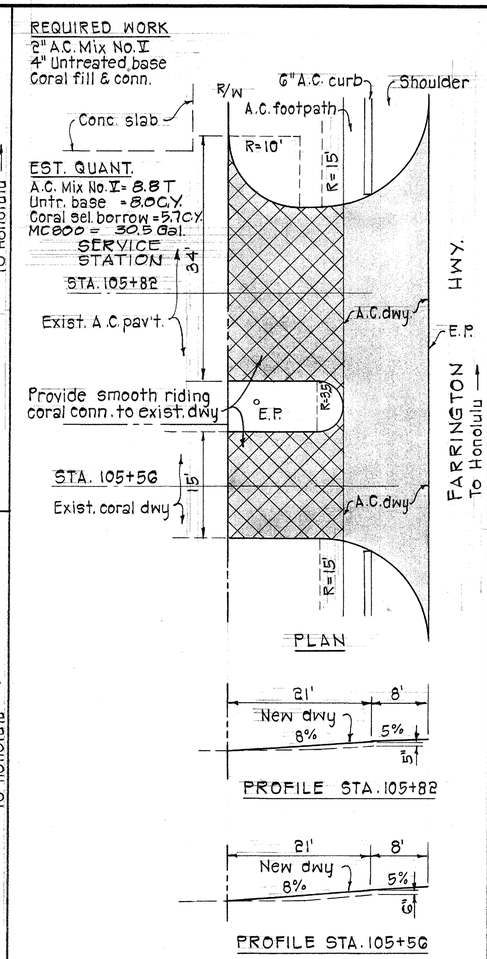
EST. QUANT.
A.C. Mix No. V = 2.6 T
Untr. base = 2.3 C.Y.
Exc. = 0.4 C.Y.
Coral sel. borrow = 0.9 C.Y.
MC 800 = 4.7 Gal.



DWY. AT STA. 217+25

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.

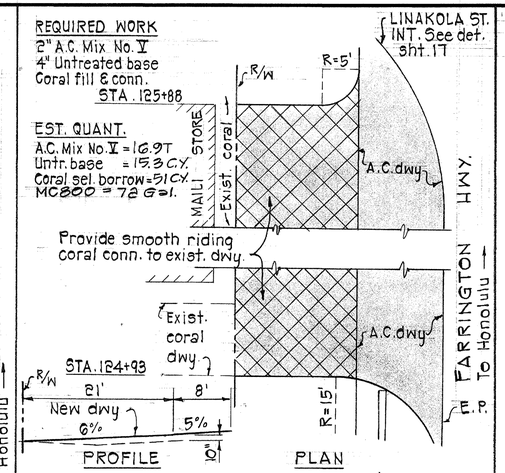
EST. QUANT.
A.C. Mix No. V = 8.8 T
Untr. base = 8.0 C.Y.
Coral sel. borrow = 5.7 C.Y.
MC 800 = 30.5 Gal.



DWYS. AT STA. 105+56 & 105+82

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.
STA. 125+88

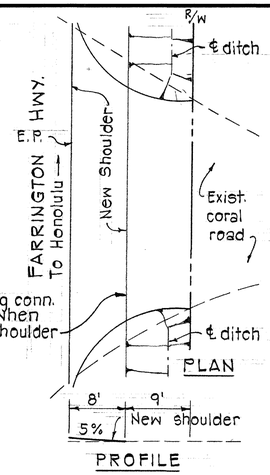
EST. QUANT.
A.C. Mix No. V = 16.9 T
Untr. base = 15.3 C.Y.
Coral sel. borrow = 51 C.Y.
MC 800 = 72 Gal.



DWY. AT STA. 124+93 TO 125+88

NO WORK TO BE DONE ON EXISTING DWY.

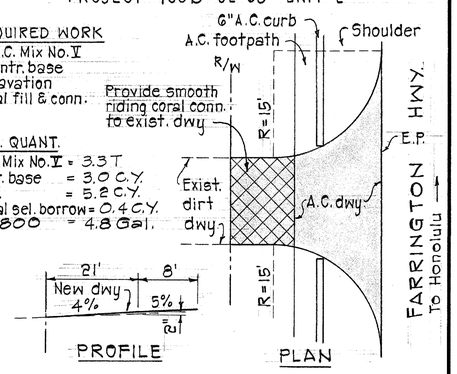
NOTE:
Delete drain ditch at exist. coral road to provide access



DWY. AT STA. 132+18

REQUIRED WORK
2" A.C. Mix No. V
4" Untr. base
Excavation
Coral fill & conn.

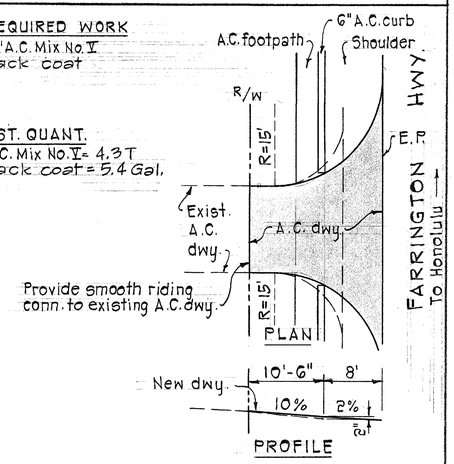
EST. QUANT.
A.C. Mix No. V = 3.3 T
Untr. base = 3.0 C.Y.
Exc. = 5.2 C.Y.
Coral sel. borrow = 0.4 C.Y.
MC 800 = 4.8 Gal.



DWY. AT STA. 136+25

REQUIRED WORK
2" A.C. Mix No. V
Tack coat

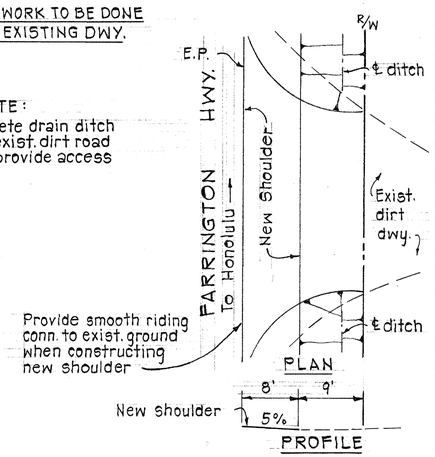
EST. QUANT.
A.C. Mix No. V = 4.3 T
Tack coat = 5.4 Gal.



DWY. AT STA. 218+20

NO WORK TO BE DONE ON EXISTING DWY.

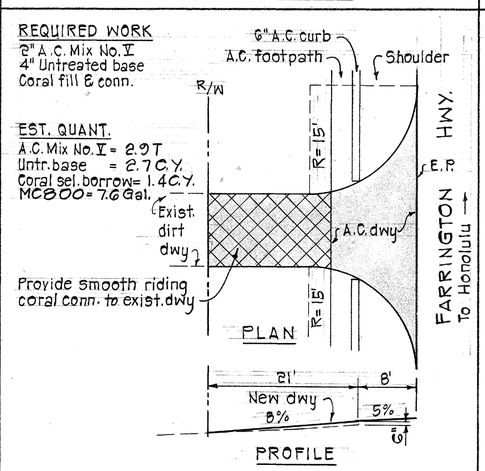
NOTE:
Delete drain ditch at exist. dirt road to provide access



DWY. AT STA. 122+00

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.

EST. QUANT.
A.C. Mix No. V = 2.9 T
Untr. base = 2.7 C.Y.
Coral sel. borrow = 1.4 C.Y.
MC 800 = 7.6 Gal.

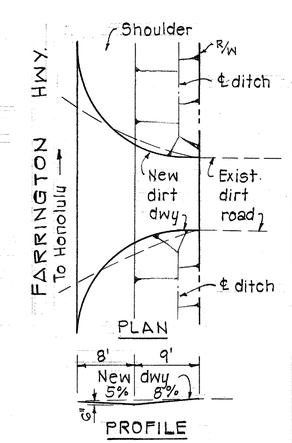


DWY. AT STA. 132+62

NO WORK TO BE DONE ON EXISTING DWY.

NOTE:
Delete drain ditch at exist. dirt road to provide access

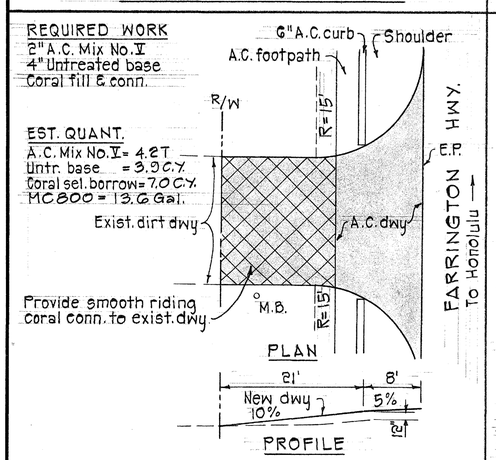
Excavation for smooth riding conn. from new shoulder to exist. dirt road at R/W to be considerd with cross section quant.



DWY. AT STA. 138+65

REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.

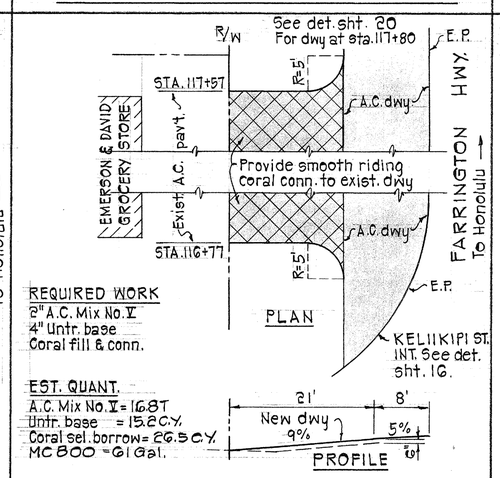
EST. QUANT.
A.C. Mix No. V = 4.2 T
Untr. base = 3.9 C.Y.
Coral sel. borrow = 7.0 C.Y.
MC 800 = 13.6 Gal.



DWY. AT STA. 130+12

See det. sht. 20 For dwy at sta. 117+80

EST. QUANT.
A.C. Mix No. V = 16.8 T
Untr. base = 15.2 C.Y.
Coral sel. borrow = 26.5 C.Y.
MC 800 = 61 Gal.

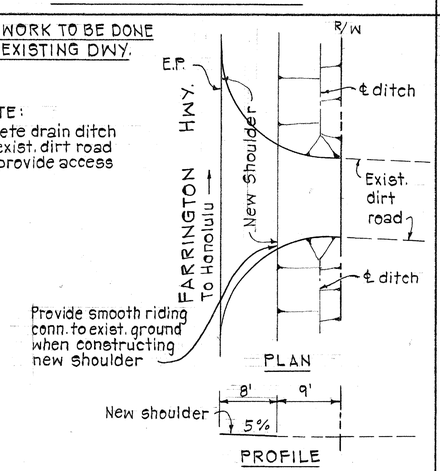


REQUIRED WORK
2" A.C. Mix No. V
4" Untr. base
Coral fill & conn.

DWY. AT STA. 116+77 TO STA. 117+57

NO WORK TO BE DONE ON EXISTING DWY.

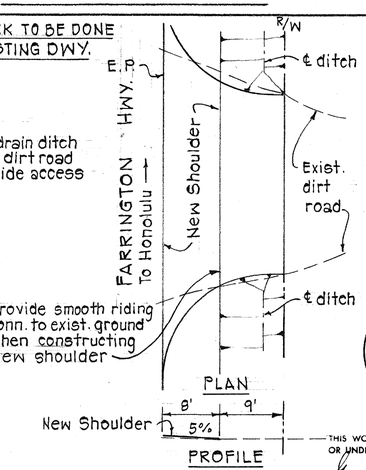
NOTE:
Delete drain ditch at exist. dirt road to provide access



DWY. AT STA. 125+65

NO WORK TO BE DONE ON EXISTING DWY.

NOTE:
Delete drain ditch at exist. dirt road to provide access



DWY. AT STA. 135+18

NOTES:
1. Driveway connections shall be constructed of the same or better material as existing.
2. A.C. concrete pavement, untreated base course, prime coat, tack coat, coral select borrow with MC 800, and excavation for driveways shall be paid for under respective roadway items.
3. See sht. 20 for Typical A.C. Driveway Section.
4. All coral driveways shall have MC 800 bituminous seal coat.
5. For driveways, excavation from E.P. to outside edge of A.C. curb, is indicated on the cross-sections and therefore not duplicated in the Estimated Quantity of Work for driveways.
6. For detail of A.C. footpath transition at driveways see sht. 19.
7. All changes in driveway grade shall be rounded to provide a smooth transition.

GEORGE K. HOUGHTALING
REGISTERED PROFESSIONAL ENGINEER
No. 470
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
George K. Houghtaling
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRIVEWAY DETAILS

FARRINGTON HIGHWAY WIDENING
PROJECT 900B-02-68
UNIT 2

SCALE: 1" = 10'

SHEET No. 7 OF 8 SHEETS

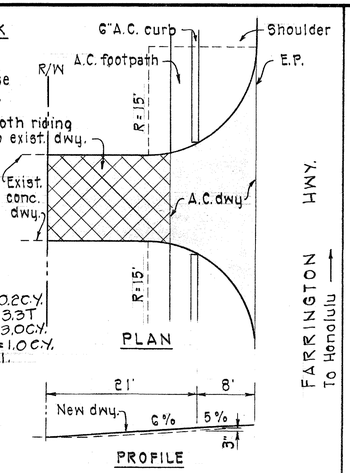
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

PRINTED ON NO. 1000H CLEARPRINT

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		1969	27	104

PROJECT 900 B-02-68 UNIT 2

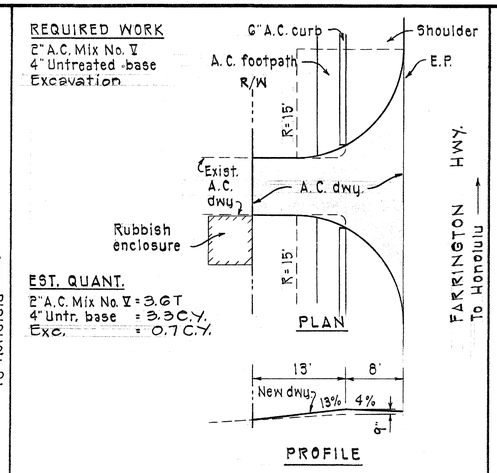
REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
Exc. = 0.2 C.Y.
2" A.C. Mix No. V = 3.3 T
4" Untr. base = 3.0 C.Y.
Coral sel. borrow = 1.0 C.Y.
MC 800 = 2.1 Gal.

DWY. AT STA. 139+10

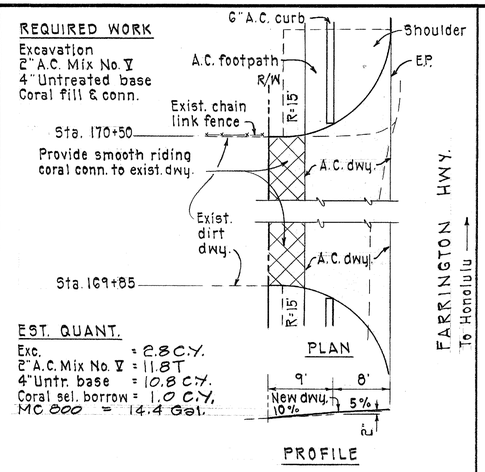
REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Excavation



EST. QUANT.
2" A.C. Mix No. V = 3.6 T
4" Untr. base = 3.3 C.Y.
Exc. = 0.7 C.Y.

DWY. AT STA. 150+07

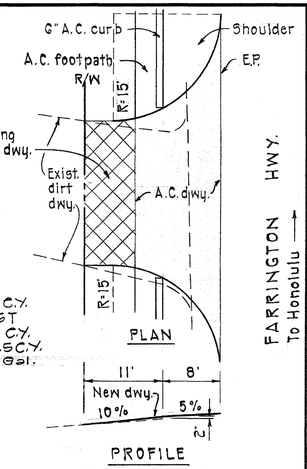
REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
Exc. = 2.8 C.Y.
2" A.C. Mix No. V = 11.8 T
4" Untr. base = 10.8 C.Y.
Coral sel. borrow = 1.0 C.Y.
MC 800 = 14.4 Gal.

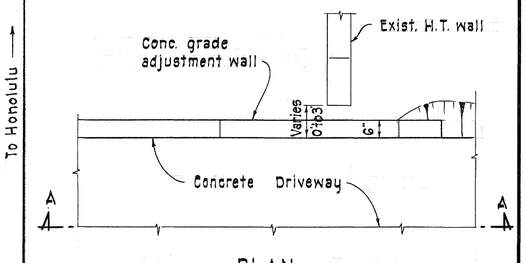
DWY. AT STA. 169+85 TO STA. 170+50

REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.

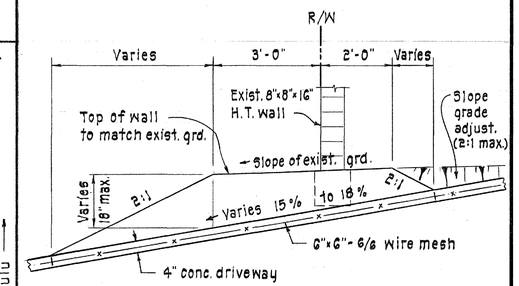


EST. QUANT.
Exc. = 1.3 C.Y.
2" A.C. Mix No. V = 4.6 T
4" Untr. base = 4.1 C.Y.
Coral sel. borrow = 0.5 C.Y.
MC 800 = 6.2 Gal.

DWY. AT STA. 174+80



PLAN



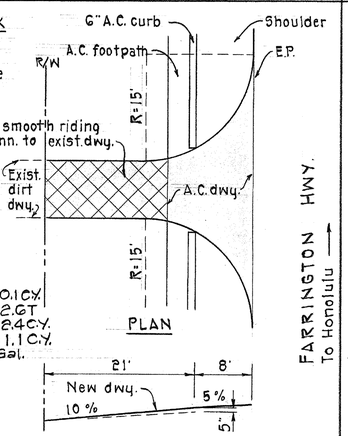
SECTION "A-A"

DETAIL OF CONCRETE GRADE ADJUSTMENT WALL

Scale: 1/2" = 1'-0"

NOTE:
For concrete grade adjustment wall reinforcement, bend up 6"x6" - 6/6 driveway wire mesh & continue up into conc. wall.

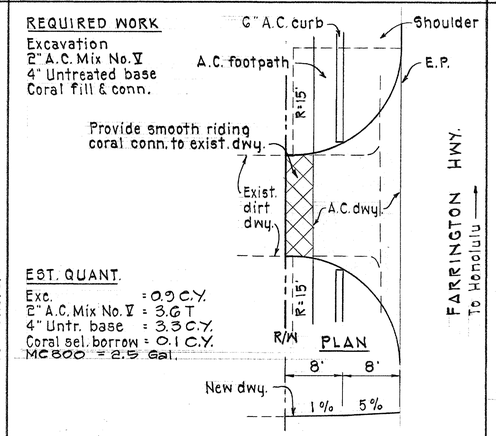
REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
Exc. = 0.1 C.Y.
2" A.C. Mix No. V = 2.6 T
4" Untr. base = 2.4 C.Y.
Coral sel. borrow = 1.1 C.Y.
MC 800 = 6.1 Gal.

DWY. AT STA. 139+65

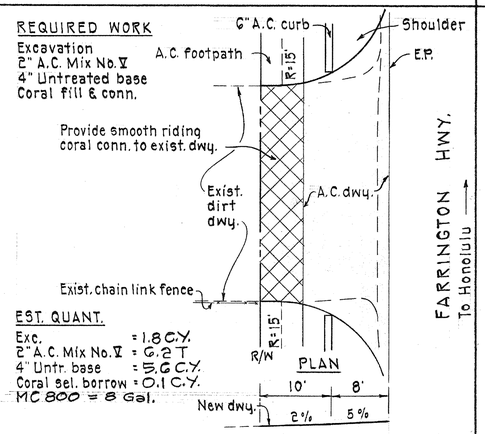
REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
Exc. = 0.9 C.Y.
2" A.C. Mix No. V = 3.6 T
4" Untr. base = 3.3 C.Y.
Coral sel. borrow = 0.1 C.Y.
MC 800 = 2.5 Gal.

DWY. AT STA. 161+10

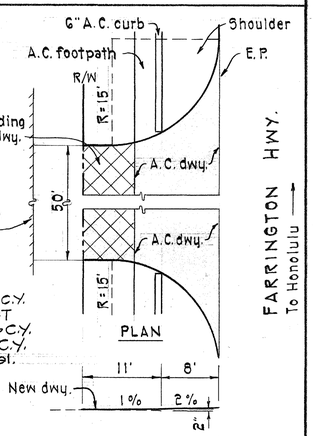
REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
Exc. = 1.8 C.Y.
2" A.C. Mix No. V = 6.2 T
4" Untr. base = 5.6 C.Y.
Coral sel. borrow = 0.1 C.Y.
MC 800 = 8 Gal.

DWY. AT STA. 171+06

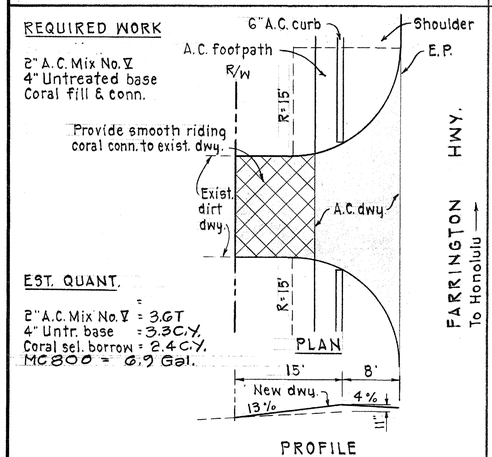
REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
Exc. = 2.8 C.Y.
2" A.C. Mix No. V = 9.4 T
4" Untr. base = 8.5 C.Y.
Coral sel. borrow = 1.1 C.Y.
MC 800 = 15.6 Gal.

DWY. AT STA. 175+90

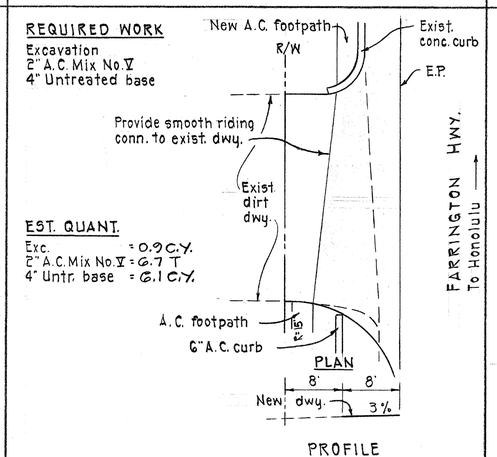
REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.



EST. QUANT.
2" A.C. Mix No. V = 3.6 T
4" Untr. base = 3.3 C.Y.
Coral sel. borrow = 2.4 C.Y.
MC 800 = 6.9 Gal.

DWY. AT STA. 148+86

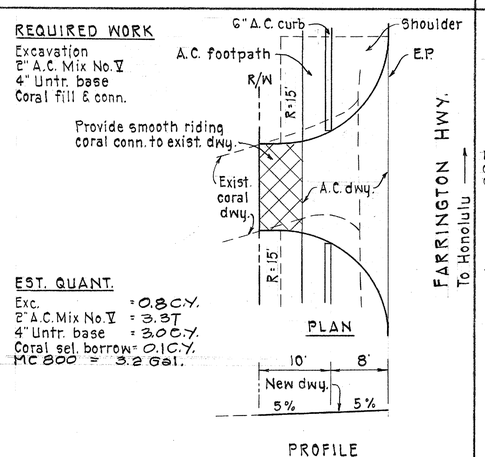
REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untreated base



EST. QUANT.
Exc. = 0.9 C.Y.
2" A.C. Mix No. V = 6.7 T
4" Untr. base = 6.1 C.Y.

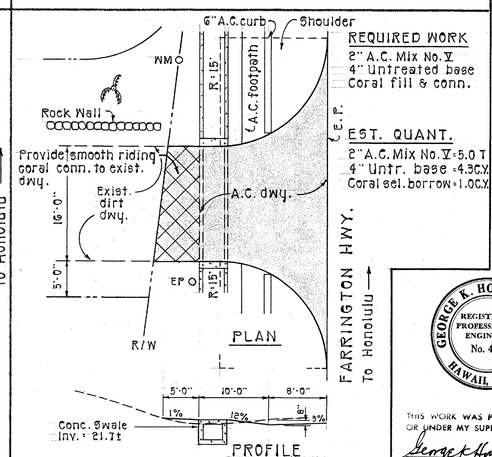
DWY. AT STA. 163+00

REQUIRED WORK
Excavation
2" A.C. Mix No. V
4" Untr. base
Coral fill & conn.



EST. QUANT.
Exc. = 0.8 C.Y.
2" A.C. Mix No. V = 3.3 T
4" Untr. base = 3.0 C.Y.
Coral sel. borrow = 0.1 C.Y.
MC 800 = 3.2 Gal.

DWY. AT STA. 173+30



REQUIRED WORK
2" A.C. Mix No. V
4" Untreated base
Coral fill & conn.

EST. QUANT.
2" A.C. Mix No. V = 5.0 T
4" Untr. base = 4.3 C.Y.
Coral sel. borrow = 1.0 C.Y.

DWY. AT STA. 213+50

NOTES:

1. Driveway connections shall be constructed of the same or better materials as existing.
2. A.C. concrete pavement, untreated base course, prime coat, tack coat, coral select borrow with MC 800, and excavation for driveways shall be paid for under respective roadway items.
3. See sht. 20 for Typical A.C. Driveway Sections.
4. All coral driveways shall have MC 800 Bituminous seal coat.
5. For driveways, excavation from E.P. to outside edge of A.C. curb, is indicated on the cross-sections and therefore not duplicated in the Estimated Quantity of Work for driveways.
6. For detail of A.C. footpath transition at driveways see sht. 19.
7. All changes in driveway grade shall be rounded to provide a smooth transition.

GEORGE K. HOUGHTALING
REGISTERED PROFESSIONAL ENGINEER
No. 470
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

George K. Houghtaling
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRIVEWAY DETAILS

FARRINGTON HIGHWAY WIDENING
PROJECT 900B-02-68
UNIT 2

SCALE: 1" = 10'

SHEET No. 8 OF 8 SHEETS

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

PRINTED ON NO. 1000H CLEARPRINT

C.O. 27