

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-03-90M	1990	6	6

ESTIMATED QUANTITIES:

BITUMINOUS CURB TYPE G	=	95- L.F.	98
COLD PLANING EXIST'G PAV'T	=	1275 S.Y.	
PAV'T REINFORCING FABRIC	=	+2285 S.Y.	12,339
SS-1 TACK COAT	=	6,274 Gal	
A.C. PAV'T MARSHALL MIX	=	3,797 Tons	3,833.28
PAV'T STRIP'G (PAINT); YELLOW	=	5+ Gal	60
WHITE	=	50 Gal	67
4" PAV'T STRIPING (TAPE)	=	827 L.F.	618
12" PAV'T STRIPING (TAPE)	=	556 L.F.	383.80
CROSSWALK MARKING (TAPE)	=	36 Lanes	37
PAV'T ARROWS (TAPE)	=	+2 Ea	11
STREET SURVEY MONUMENTS	=	17 Ea	
RECONSTRUCT'G SURVEY MONUMENTS	=	2 Ea	
ADJUSTING MANHOLE FRAME & COVER	=	19 Ea	
ADJUSTING VALVE BOX FRAME & COVER	=	24 Ea	
RAISED PAV'T MARKERS; TYPE A	=	36 Ea	
TYPE CL	=	58 Ea	76
TYPE DL	=	366 Ea	363
TYPE HL	=	+62 Ea	131
TYPE J	=	352 Ea	356
REGULATORY SIGN (RI-2) W/ POST	=	2 Ea	
WARNING SIGN (WIA-2) W/ POST	=	1 Ea	
REFLECTOR MARKER (RM-4) W/ POST	=	8 Ea	
TYPE II OBJECT MARKER W/ POST	=	2 Ea	

INSTALL STREET SURVEY MONUMENTS AT THE FOLLOWING LOCATIONS:

Sta 0+00	P.O.T.	(PROJ 56A-01-74)	1 Ea
" 3+76.20	P.C.	"	1 "
" 5+81.86	P.T.	"	1 "
" 13+46.20	P.C.	"	1 "
" 14+65.35	Lt. P.I.	"	1 "
" 15+84.50	P.T.	"	1 "
" 17+45.74	P.C.	"	1 "
" 17+98.98	Rt. P.I.	"	1 "
" 18+52.21	P.T.	"	1 "
" 21+26.13	P.C.	"	1 "
" 24+08.59	P.T.	"	1 "
" 25+61.44	P.C.	"	1 "
" 29+10.27	P.T.	"	1 "
" 34+00	P.O.T.	"	1 "
" 43+98.25	P.C.	"	1 "
" 44+76.64	Lt. P.I.	"	1 "
" 45+55.03	P.T.	"	1 "

RECONSTRUCT SURVEY MONUMENTS AT THE FOLLOWING LOCATIONS:

Sta -2+92.27	P.C.	(PROJ 56A-01-72)	1 Ea
" 0+59.33	P.T.	"	1 "

ADJUST MANHOLE AND VALVE BOX COVER TO NEW FINISH GRADE AT THE FOLLOW'G LOCATIONS:

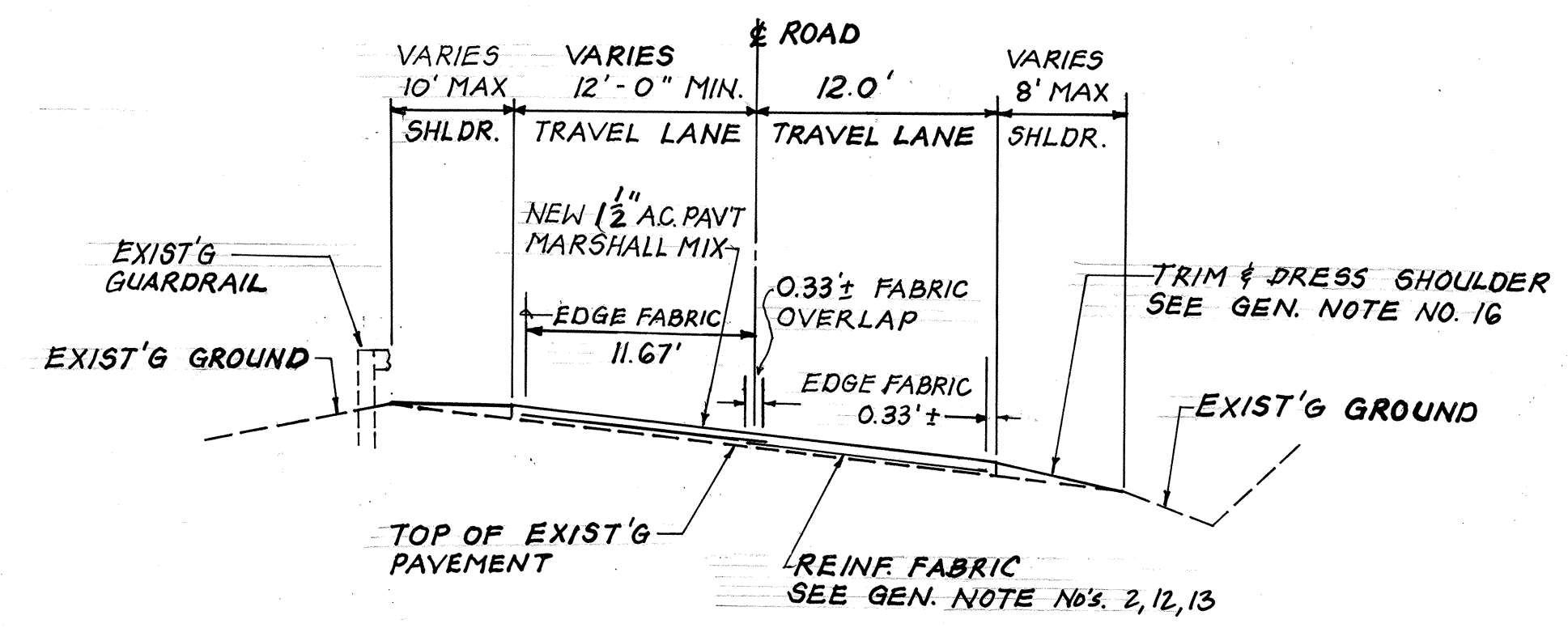
SEWER MANHOLE

Sta 1+60	Lt.	1 Ea
" 5+82	"	1 "
" 7+03	"	1 "
" 10+96	"	1 "
" 13+40	"	1 "
" 14+60	"	1 "
" 15+33	"	1 "
" 17+05	"	1 "
" 18+84	"	1 "
" 22+40	"	1 "
" 24+80	Rt.	1 "
" 25+35	Lt.	1 "
" 26+43	Lt.	1 "
" 30+37	Rt.	1 "
" 33+97	"	1 "
" 35+43	"	1 "
" 37+37	"	1 "
" 40+87	"	1 "
" 44+38	"	1 "

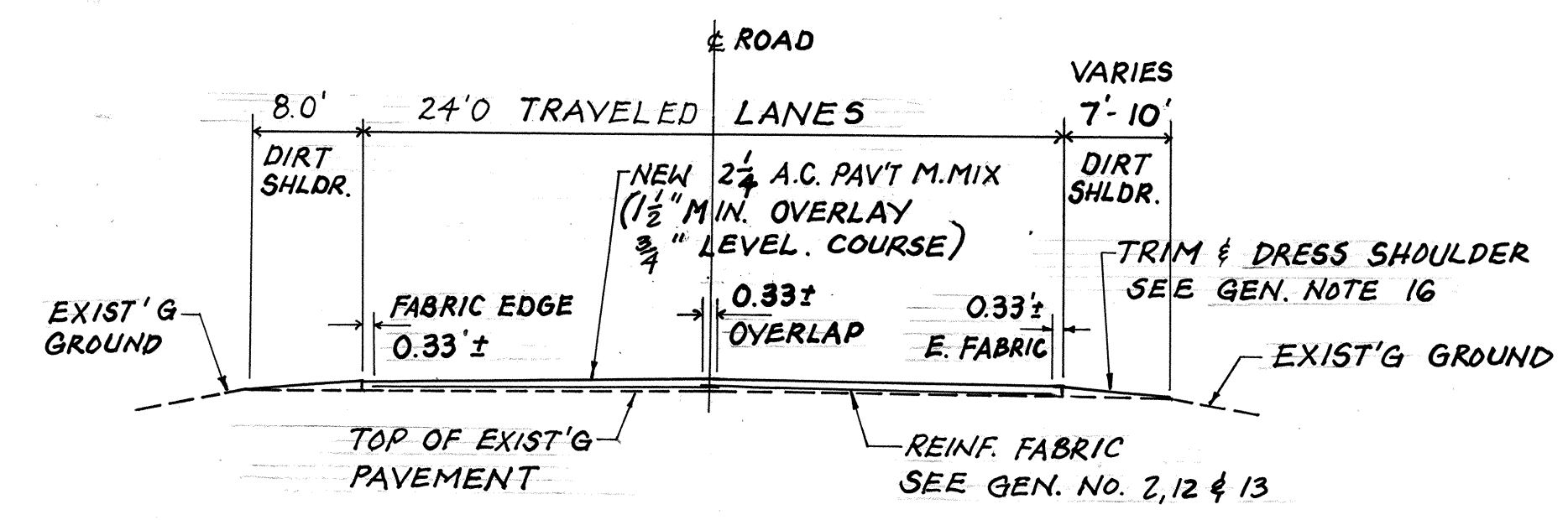
WATER VALVE BOX

Sta 1+50	Rt.	1 Ea
" 4+95	Rt.	2 "
" 5+76	"	1 "
" 13+91	Lt.	3 "
" 13+91	Rt.	1 "
" 17+79	Lt.	2 "
" 28+80	"	2 "
" 28+80	Rt.	1 "
" 32+40	"	1 "
" 35+30	Lt.	2 "
" 35+30	Rt.	2 "
" 38+20	Lt.	1 "
" 40+62	"	1 "
" 40+62	Rt.	1 "
" 44+30	Lt.	3 "

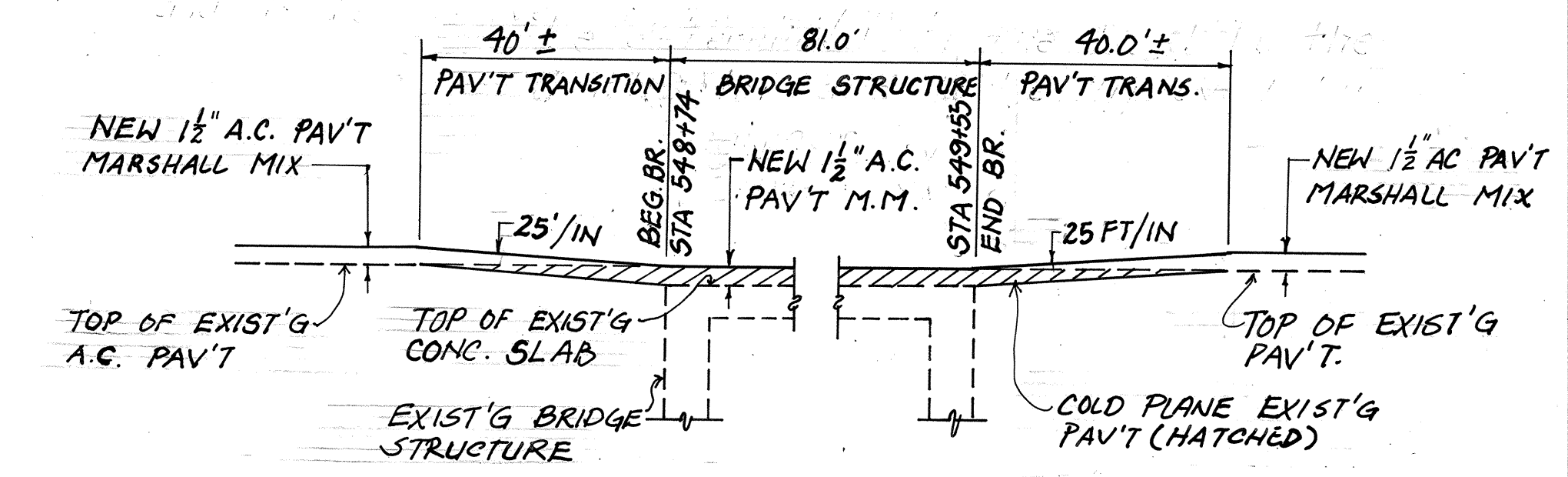
Note: The height needed to raise covers shall be determined in the field by the Contractor and to be approved by the Engineer



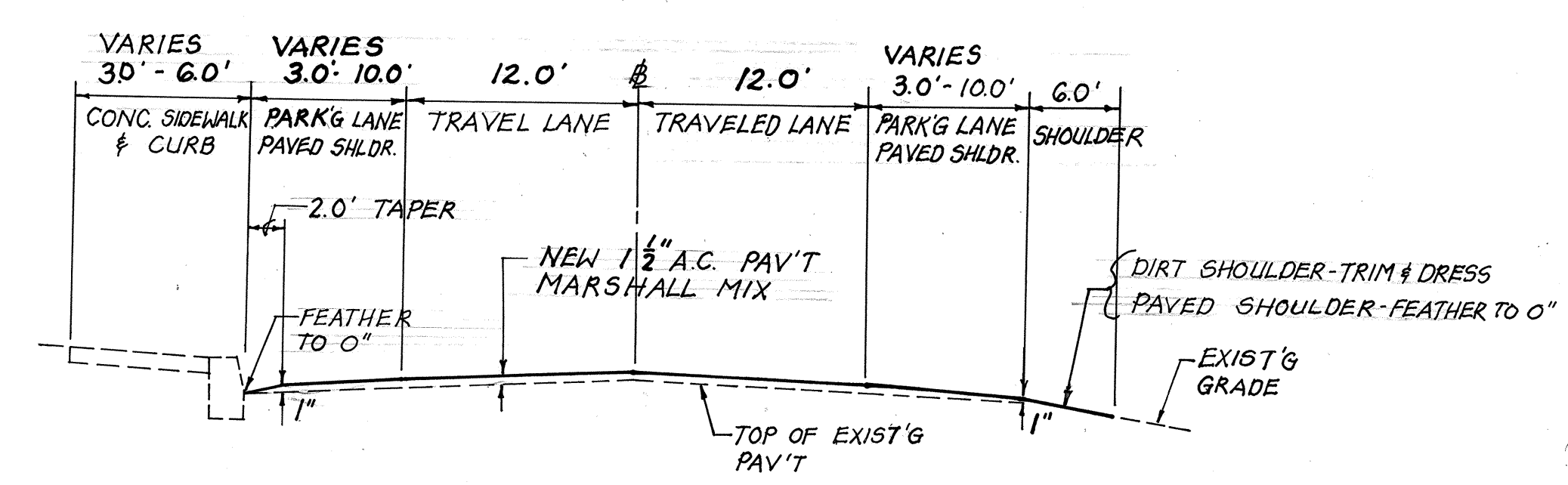
TYPICAL SECTION OF ROADWAY STA -2+5+30 TO STA 1+40 (PROJ. NO. 56A-01-72) N.T.S.



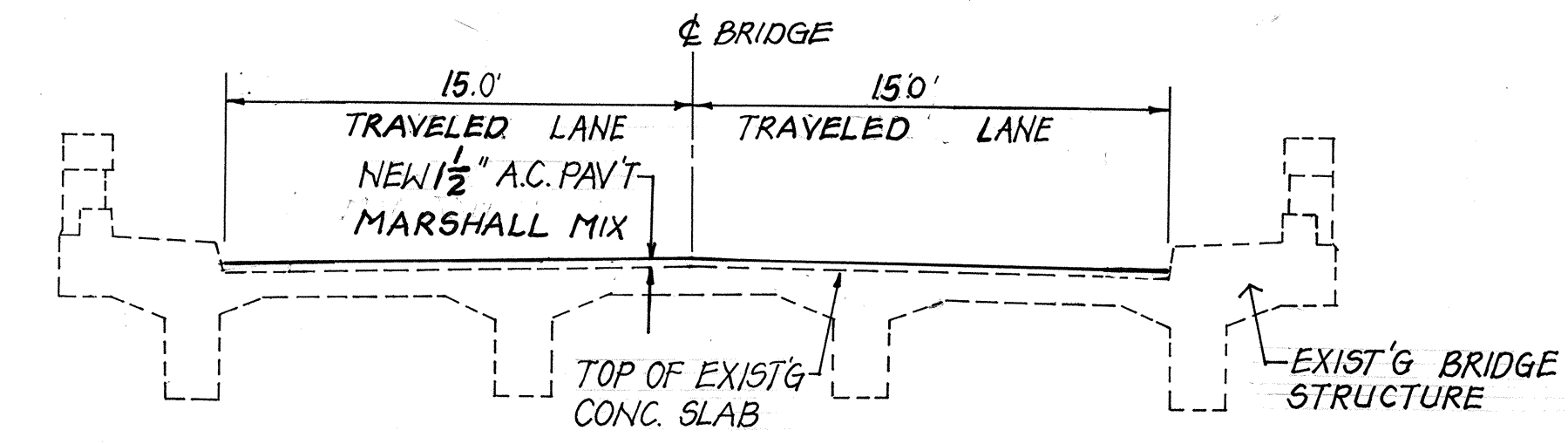
TYPICAL SECTION OF ROADWAY STA 567+70 TO STA 606+61.70 (PROJ. NO. E-12A) STA -7+73.29 TO STA -5+30 (PROJ. NO. 56A-01-72) N.T.S.



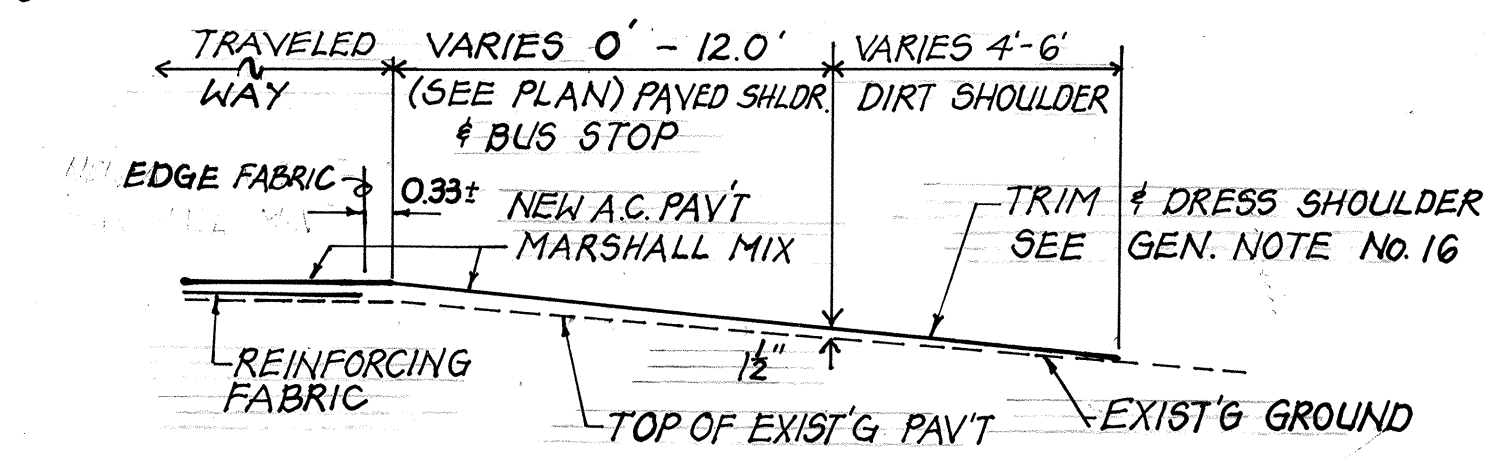
TYPICAL LONGITUDINAL SECTION OF PAVEMENT ON MOIKEHA BRIDGE & APPROACHES N.T.S.



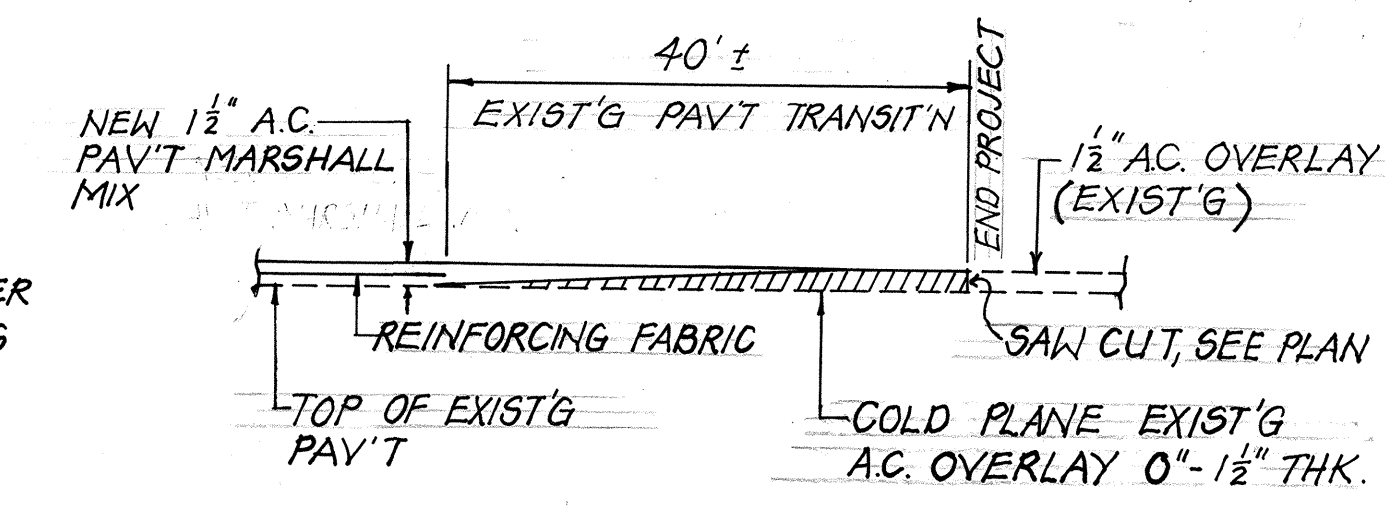
TYPICAL SECTION OF ROADWAY STA 519+40 TO STA 522+00 (PROJ. NO. F12(14)) STA 0+00 TO STA 45+55 (56A-01-74) N.T.S.



TYPICAL SECTION OF WAIKAEA & MOIKEHA BRIDGES N.T.S.



TYPICAL SECTION OF PAVED SHOULDER AND BUS STOPS N.T.S.



TYPICAL SECTION OF PAV'T JOINT AT END PROJECT N.T.S.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ESTIMATED QUANTITIES,
NOTES & SECTIONS
KUHIO HWY. RESURFACING
KAPAA TO KEALIA
PROJECT NO. 56A-03-90M
Scale: As Ntd. Date: Oct, 1989
SHEET NO. 1 OF 1 SHEETS

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