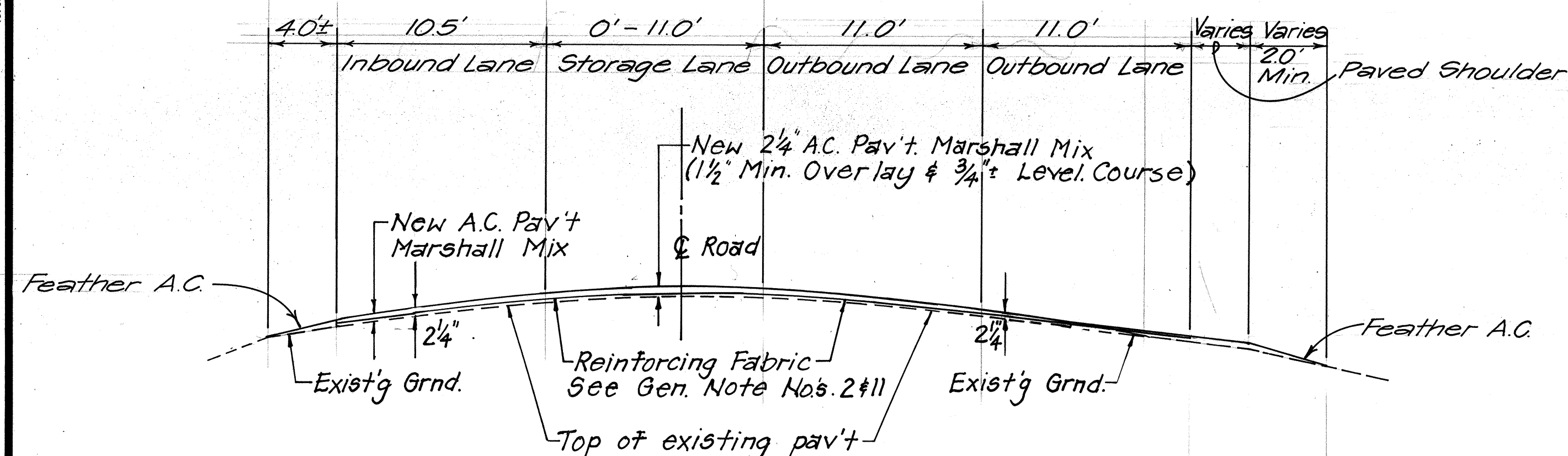
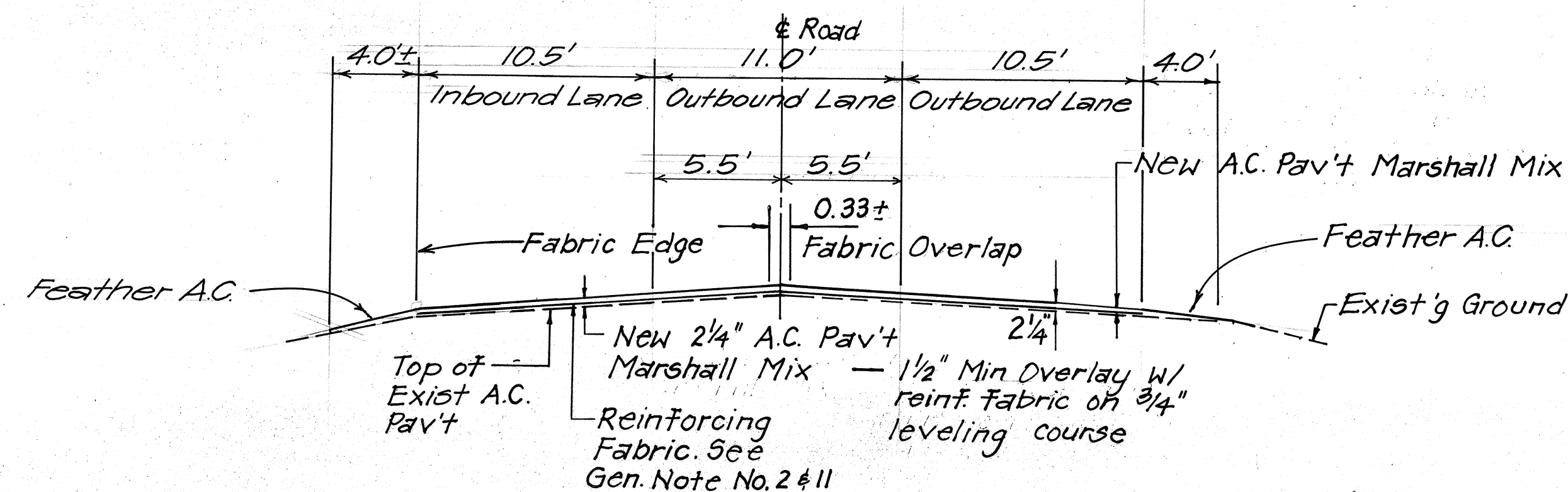
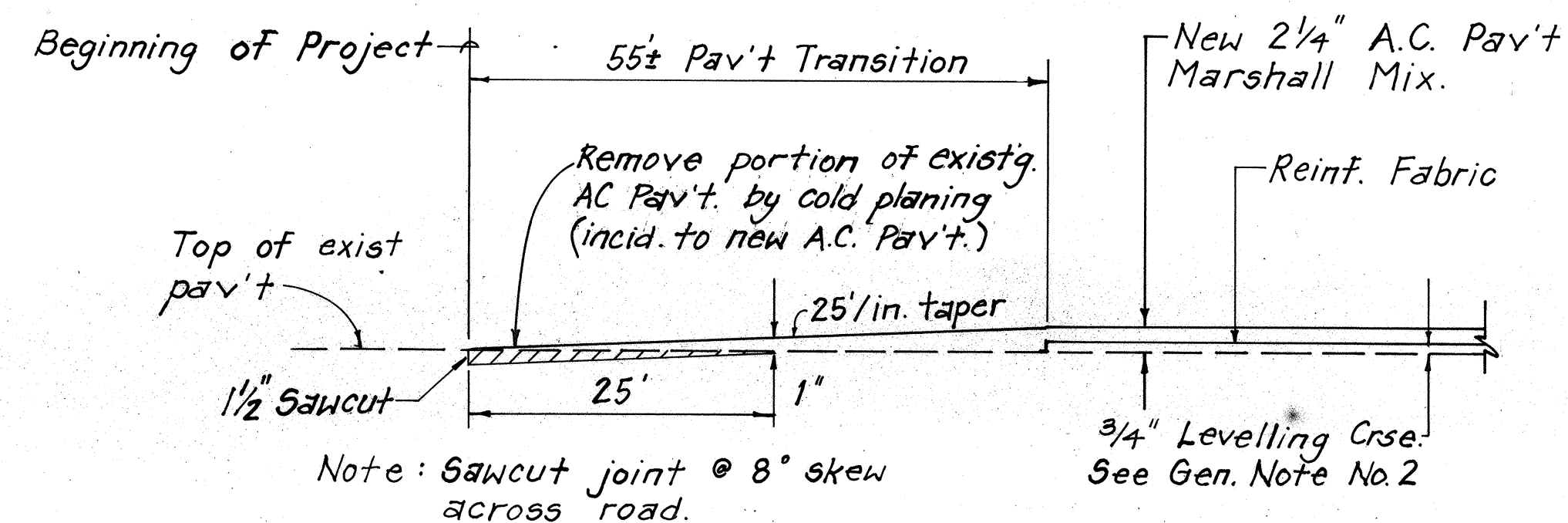




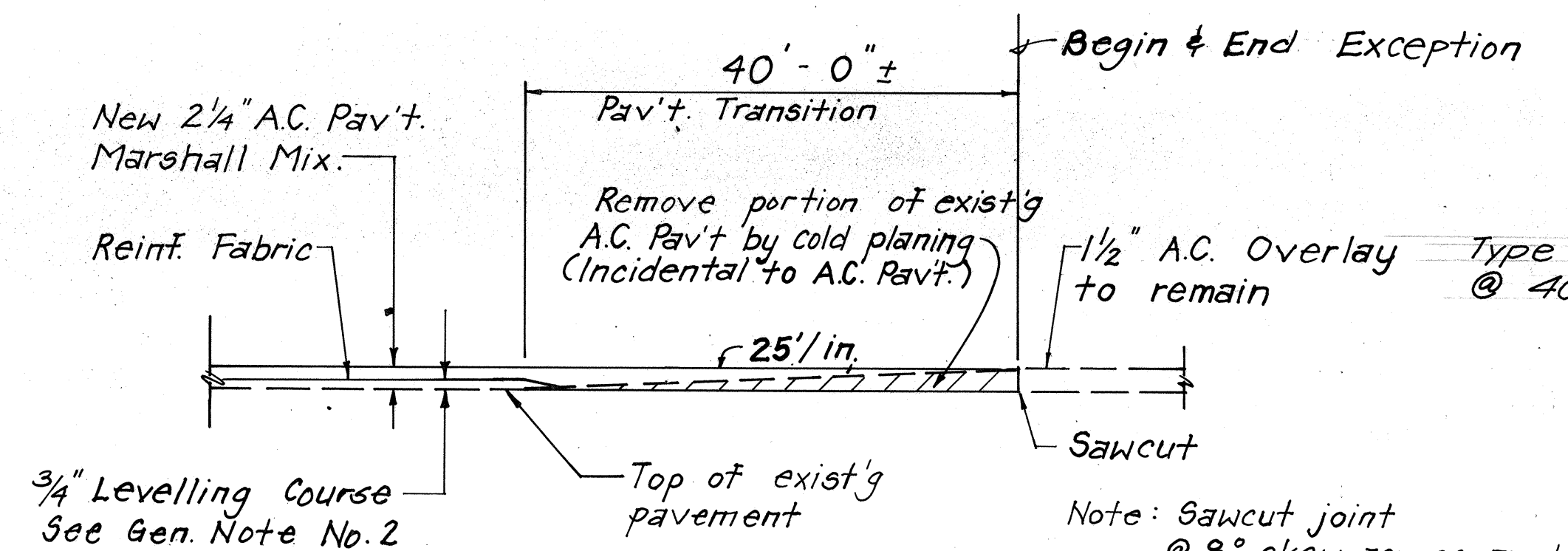
TYPICAL SECTION OF ROADWAY
Sta 255+36 to Sta 270+71 and Sta 315+00 to Sta 326+01.
Not to Scale



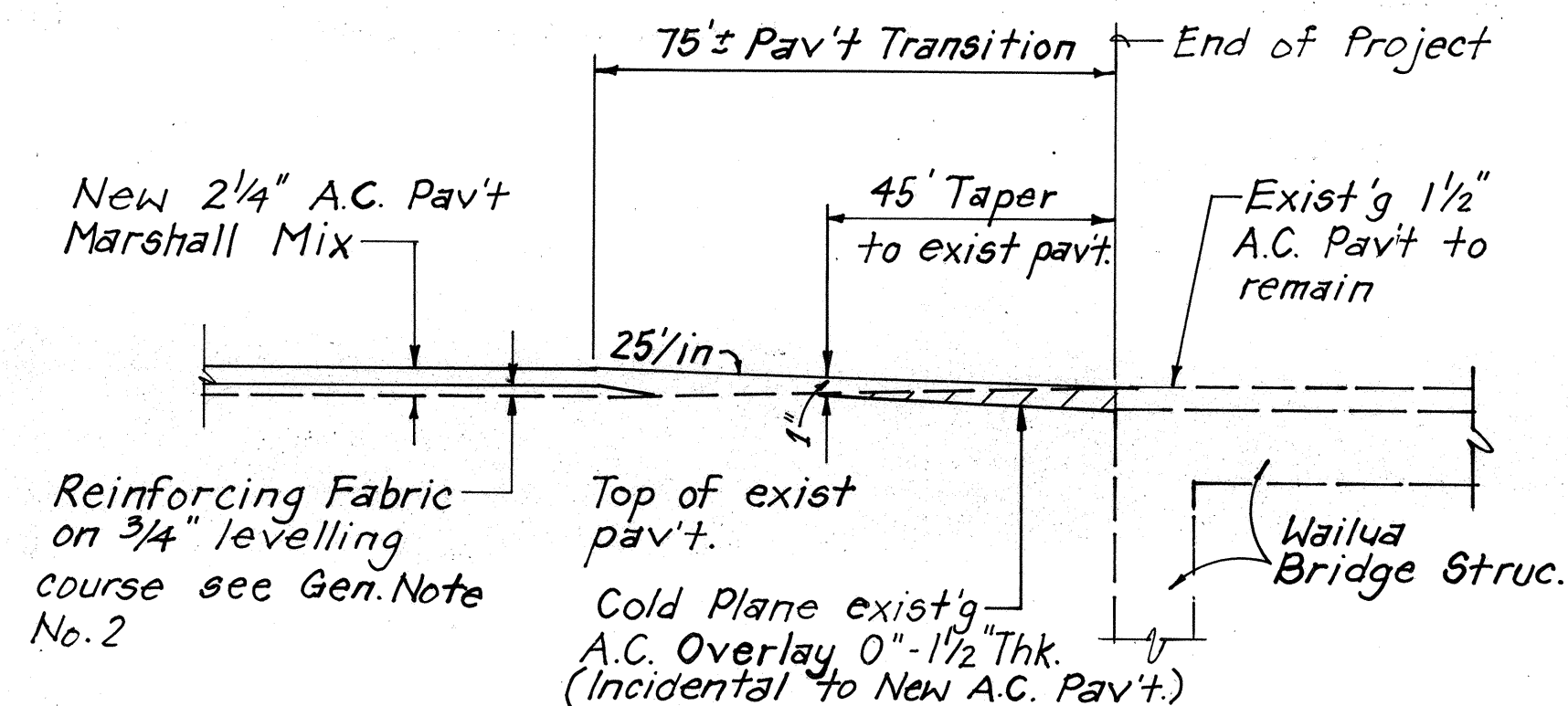
TYPICAL SECTION OF ROADWAY
Sta 203+10 to Sta 222+87, Sta 270+71 to
315+00 and Sta 326+01 to Sta 397+98
Not to Scale



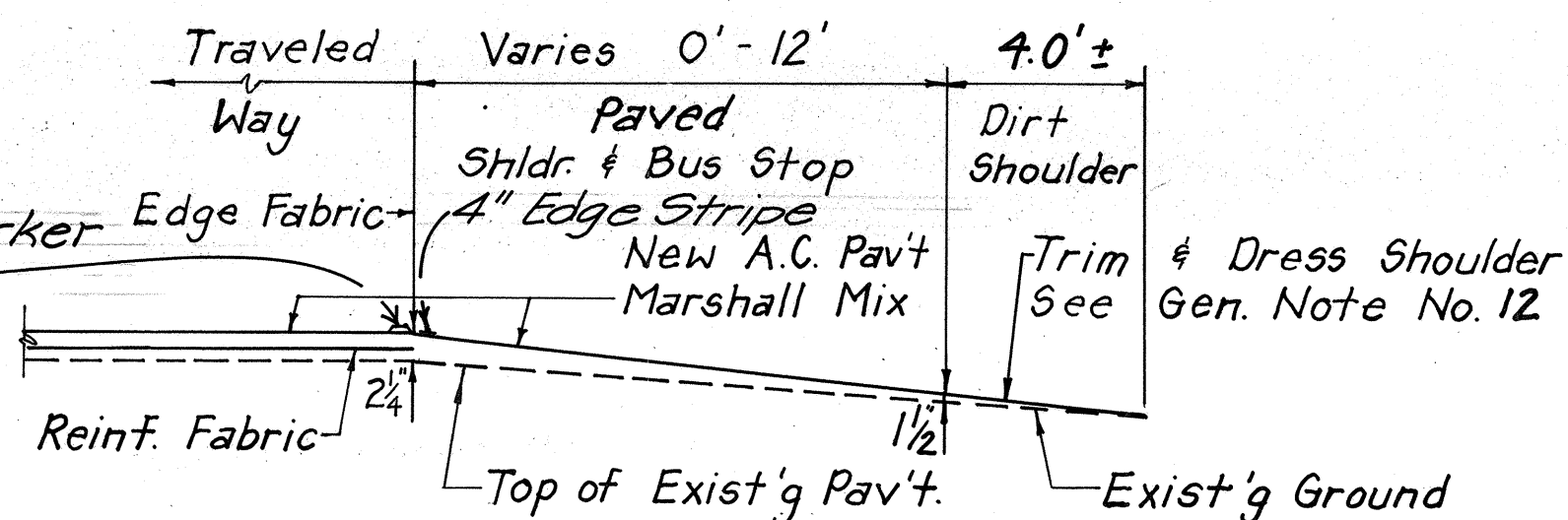
TYPICAL SECTION @ BEGINNING OF PROJECT
NOT TO SCALE



TYPICAL SECTION @ BEGIN & END EXCEPTION
NOT TO SCALE



TYPICAL SECTION @ END OF PROJECT
NOT TO SCALE



**TYPICAL SECTION @ PAVED SHOULDER
AND BUS STOPS**
NOT TO SCALE

ESTIMATED QUANTITIES:

Pavement Reinforcing Fabric	= 55,400 S.Y.	61,000
SS-1 Tack Coat	= 87,285 Gal	
AC. Pav't, Marshall Mix	= 8,000 Tons	8,500
Pav't. Striping (Paint); Yellow	= 420 Gal	151
White	= 80 Gal	143
12" Pav't Striping (Tape)	= 250 L.F.	180
Pavement Arrows (Tape)	= 15 Ea.	
Reconstructed Survey Monuments	= 5 Ea.	
Adjusting Centerline Monuments	= 1 Ea.	
Adjusting Manhole Frame & Cover	= 2 Ea.	
Adjusting Valve Box Frame & Cover	= 5 Ea.	

Reconstruct Survey Monuments at the following locations:

Sta 203+40± P.O.T.	1 Ea.
Sta 288+67.9, ± PC.	1 Ea.
Sta 291+56.8 ± P.T.	1 Ea.
Sta 326+01.20 ± PC.	1 Ea.
Sta 331+20.35 ± P.T.	1 Ea.

Adjust Centerline Monument @ Sta 292+32.25, ± P.T.

Adjust Manhole and Valve Box Covers to new Finish Grade
at the following locations:

Station	Water Manhole	Water Valve Box
358+50± Rt.	1 Ea.	2 Ea.
389+30± Rt.	1 Ea.	2 Ea.
396+90± Lt.		1 Ea.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-01-90M	1990	5	8

SUMMARY ~ STRIP'G. & RAISED PAV'T. MARKERS

Station	Striping L.F.		Pavement Marker (Types)					Zone
	E, Cts.	E.P.	CL	DL	HL	A	J	
203+10 to 203+60		50		2				50' Openg, Hanamaulu Road
203+60 to 210+60	700	1395		36				No Pass
210+60 to 210+90		70		+				30' Openg, Hulei Rd.
210+90 to 217+00	610	1220		32				No Pass
217+00 to 222+87	587	1174		1520	15		60	No Pass / Pass
230+36 to 255+36	2500	4300	108	91	31 ₂₀	220		3 Lane
255+36 to 268+36	4300	2600	112	25	708 ₁₂₇	128		
268+36 to 314+00	4600	9200	348	232		404		
314+00 to 326+00	2400	2900	100	22	708 ₁₂	120		
326+00 to 385+00	5900	11,800	450	296		600		
385+00 to 398+00	1300	2200	79	65		36		
TOTAL	22,897	36,909	1257	828 ₈₁₇	212 ₂₃₀	1508	60	
USE	23,000	37,000	1200	820	230	1570	60	

1313 738 212 1444

ESTIMATED QUANTITIES (cont.)

Portable Signs with Posts	= 35 each
Sleeves for Portable Sign Posts	= 35 each
Regulatory and Warning Sign	4 each
(10 sq. ft. or less) with Post	

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ESTIMATED QUANTITIES, SECTIONS
& PAV'T MARKER & STRIP'G SUMMARY
KUHIO HWY. RESURFACING
HANAMAULU TO WAILUA BR.
PROJ. NO. 56A-01-90M

Scale: As Noted Date: Jan 1990

SHEET NO. 1 OF 1 SHEETS