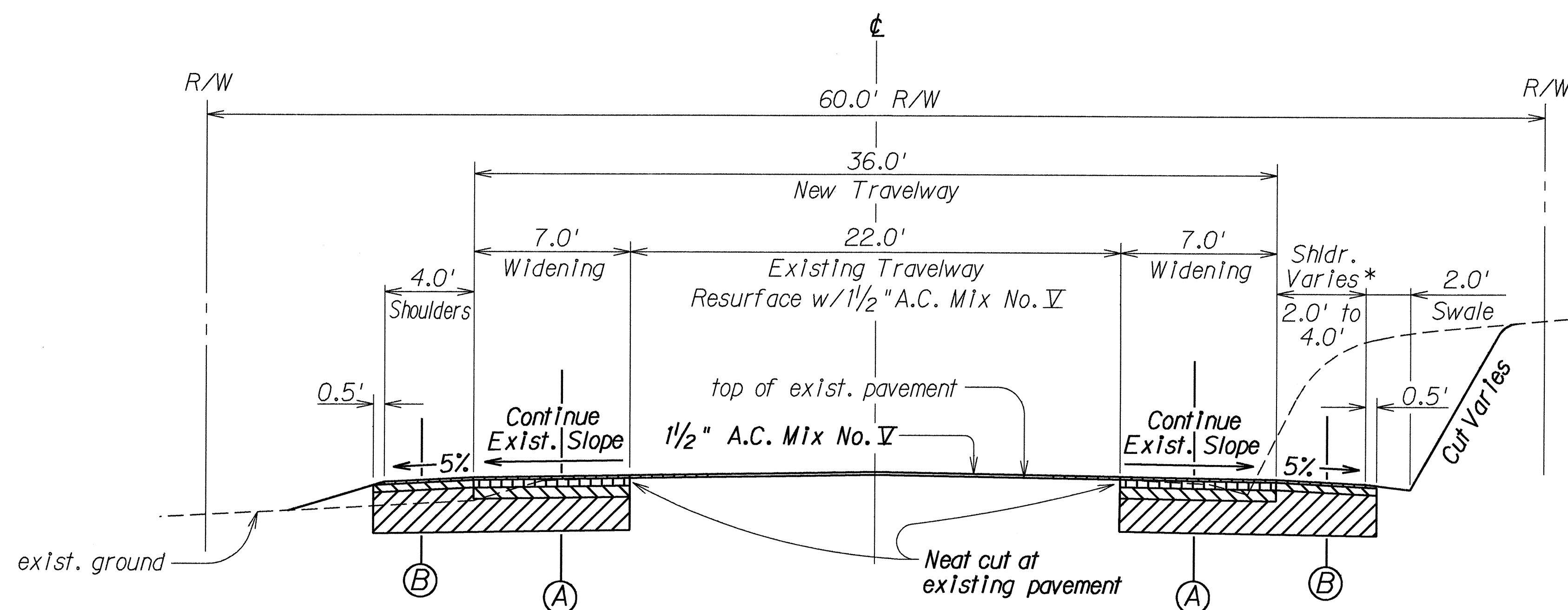


## GENERAL NOTES

1. On high side of superelevated sections, shoulder slope shall be continuous with the pavement slope, when the slope equals or exceeds 0%. Shoulder slope on the low side shall be 5%.
2. Slope of subgrade shall be the same as the travelway slope through the end of the paved shoulder.
3. For placement of guardrails see roadway plans. Adjusting of existing guardrail heights and connections incidental to Guardrail Type 3, single w/ steel post.
4. Where dense unweathered rock is encountered at grade between stations 72+00 to 87+00 and stations 186+00 to 192+00 the minimum aggregate subbase thickness of 6-inches shall be used when determined by the Engineer.
5. Excess or unsuitable excavation materials may be placed on the side slopes of fills or at the toe of existing fill slopes as approved by the Engineer.

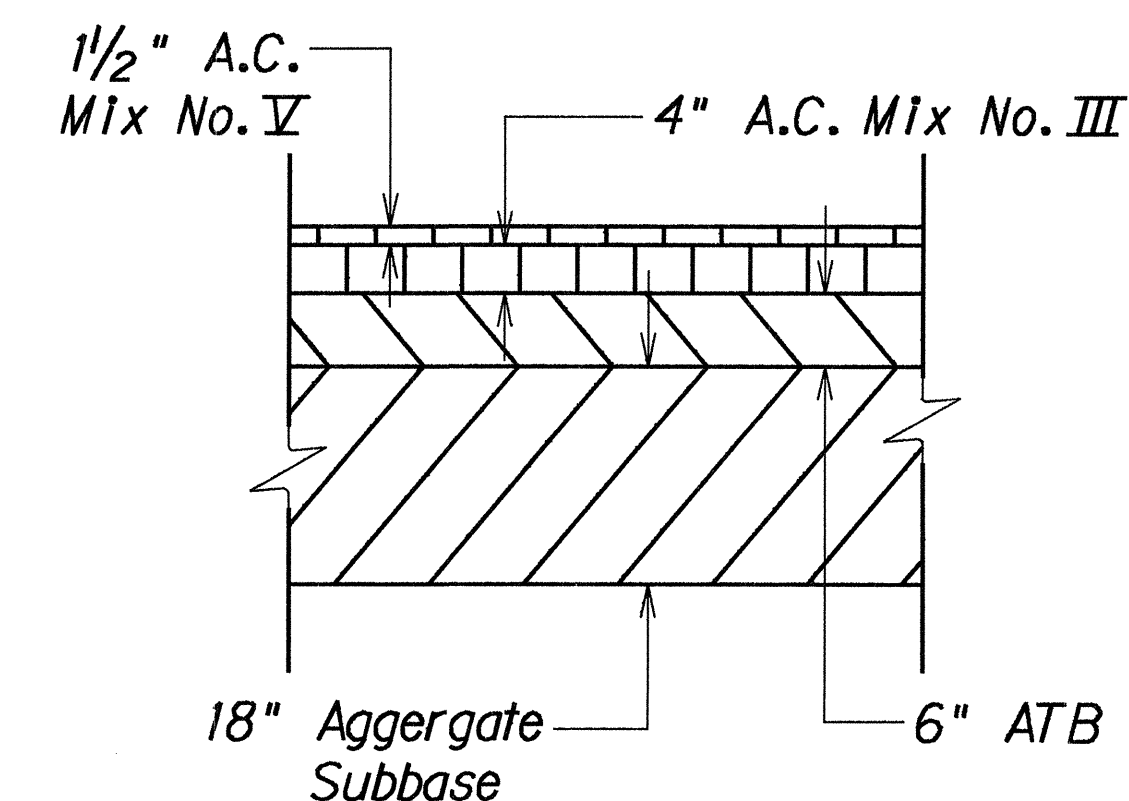
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37D-01-90	1990	3	50



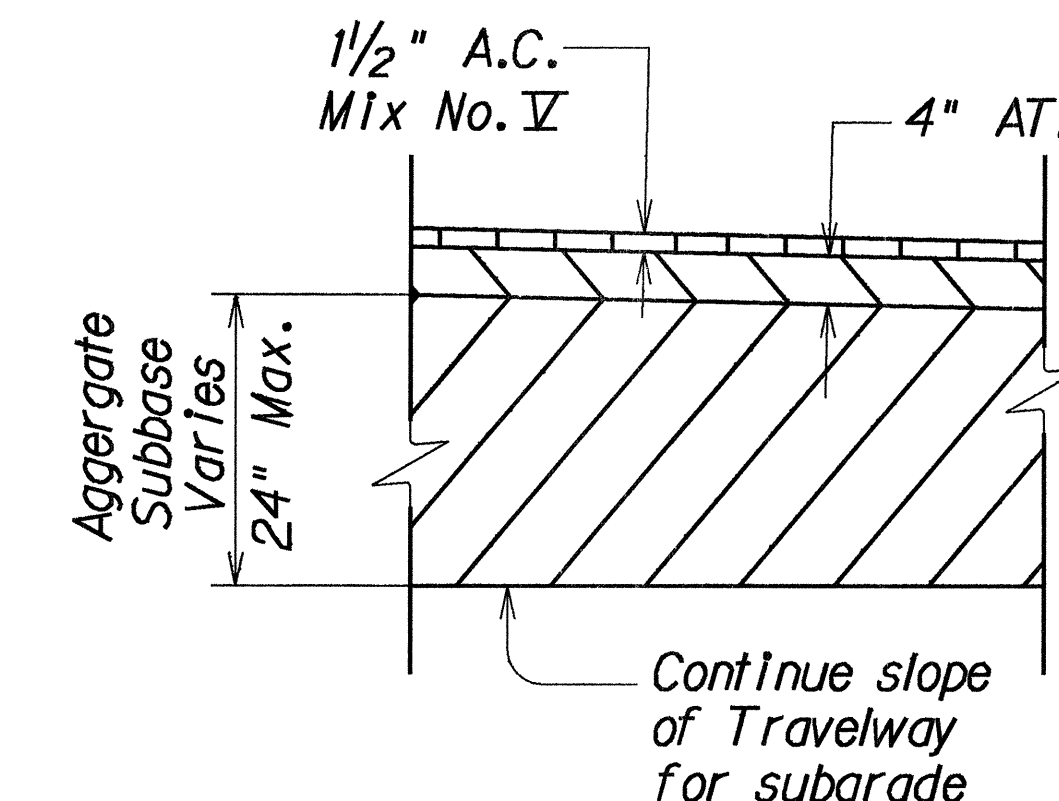
**TYPICAL SECTION STA. 37+15± TO STA. 72+20.36**

SCALE: 1/4" = 1'-0"

\* 2.0' Shoulders from Sta. 63+00 to Sta. 68+00 or as determined by the Engineer.



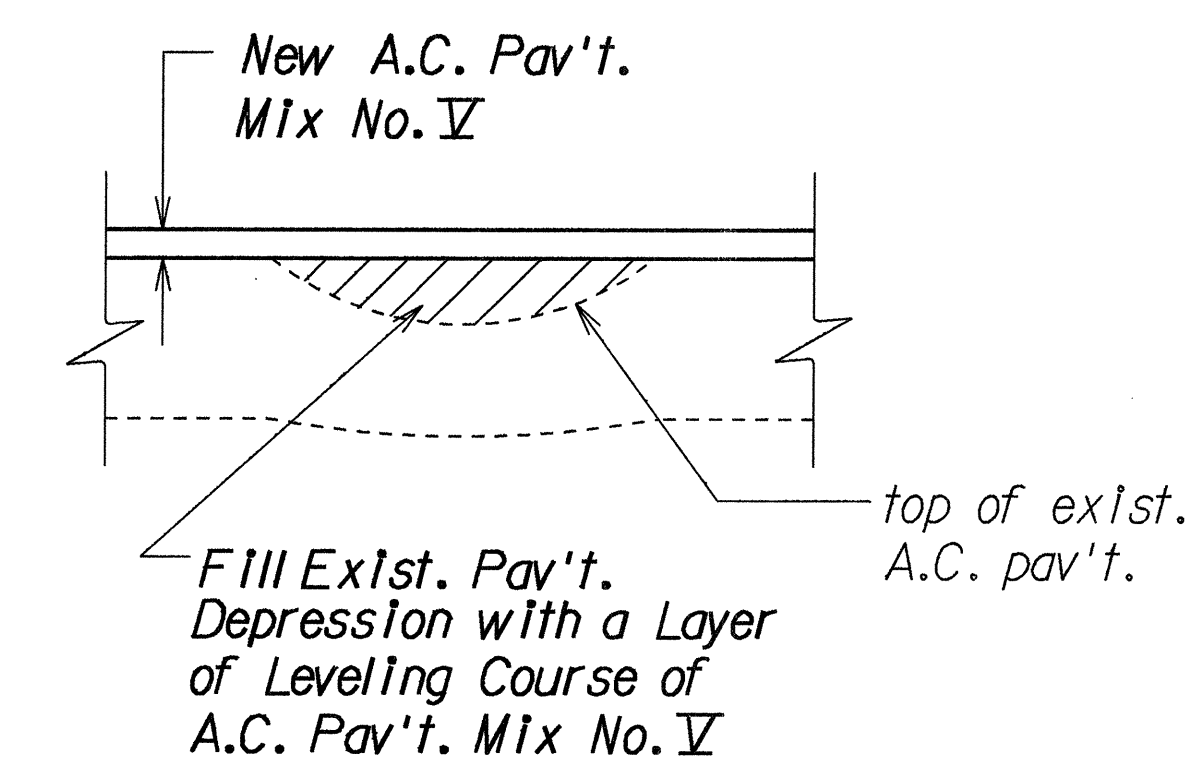
**DETAIL A**



**DETAIL B**

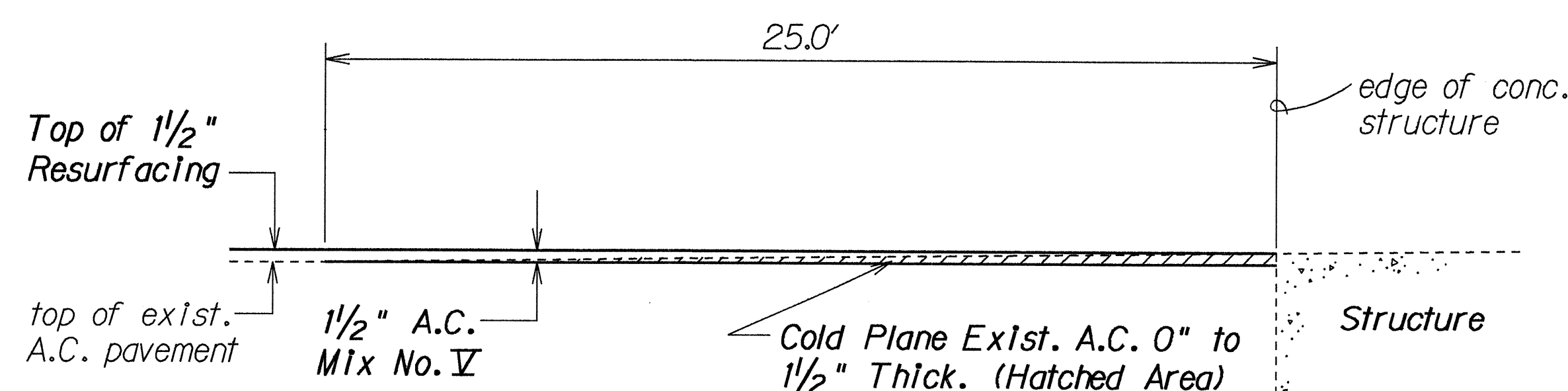
**TYPICAL PAVEMENT STRUCTURE**

SCALE: 3/4" = 1'-0"



**LEVELING COURSE DETAIL**

Not To Scale



**TRANSITION COLD PLANING DETAILS**

Not to Scale

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

### TYPICAL SECTION

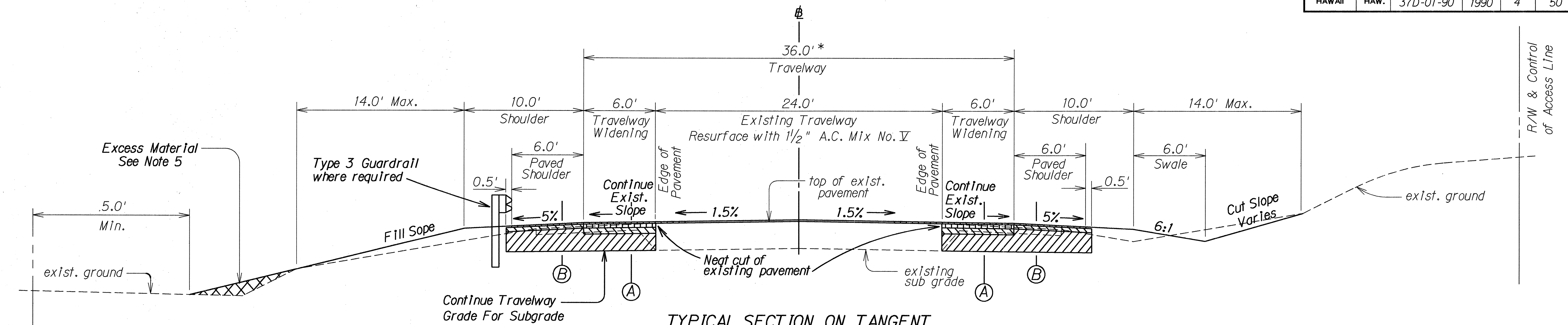
**HALEAKALA HIGHWAY  
TRUCK CLIMBING LANE  
Hana Hwy. to Haliimaile Rd.  
PROJ. NO. 37D-01-90**

Scale: As Shown

Date: Apr 11, 1990

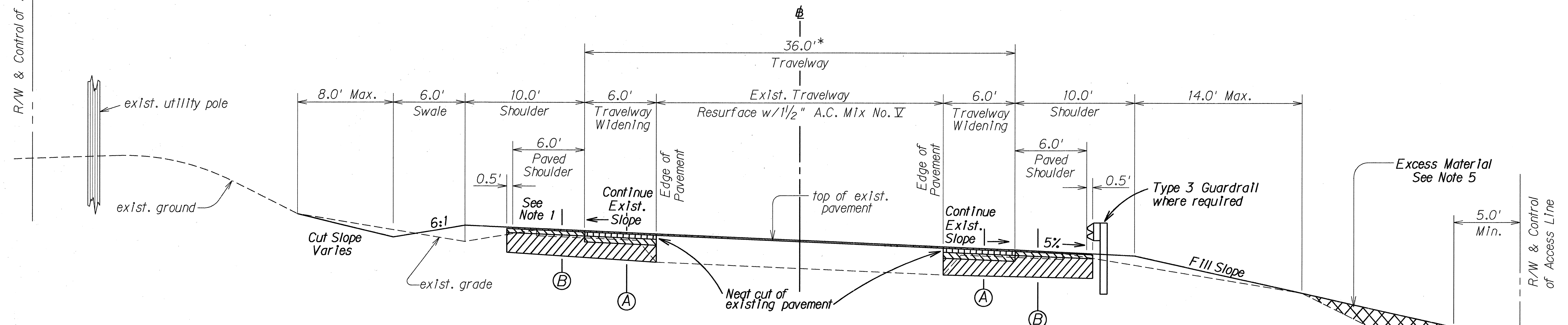
SHEET No. 1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37D-01-90	1990	4	50



**TYPICAL SECTION ON TANGENT**  
 Sta. 0+00 To Sta. 206+41.90  
 SCALE: 1/4" = 1'-0"

\* Travelway width varies from Sta. 206+41.90 to Sta. 220+73.05



**TYPICAL SUPERELEVATED SECTION**  
 Sta. 0+00 To Sta. 206+41.90  
 SCALE: 1/4" = 1'-0"

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**TYPICAL SECTION**

**HALEAKALA HIGHWAY**  
**TRUCK CLIMBING LANE**  
**Hana Hwy. to Haliimaile Rd.**  
**PROJ. NO. 37D-01-90**

Scale: As Shown Date: Apr 11, 1990

SHEET NO. 2 OF 2 SHEETS