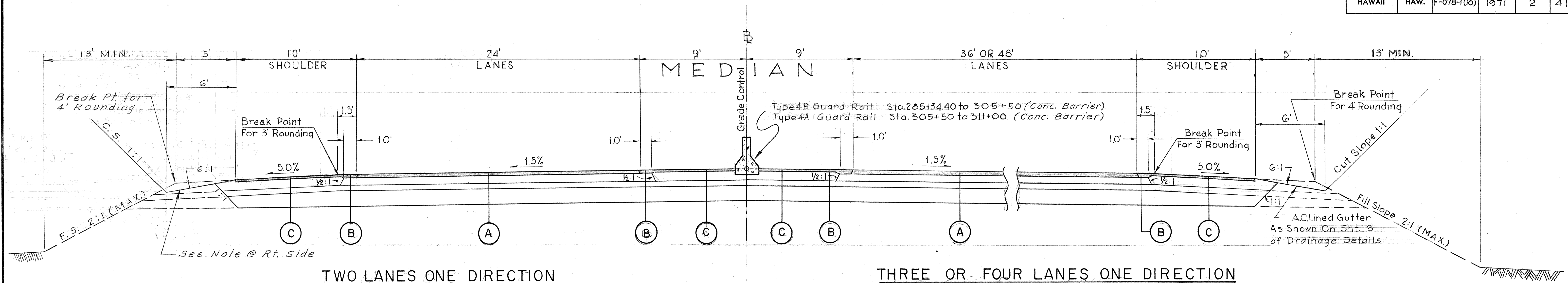
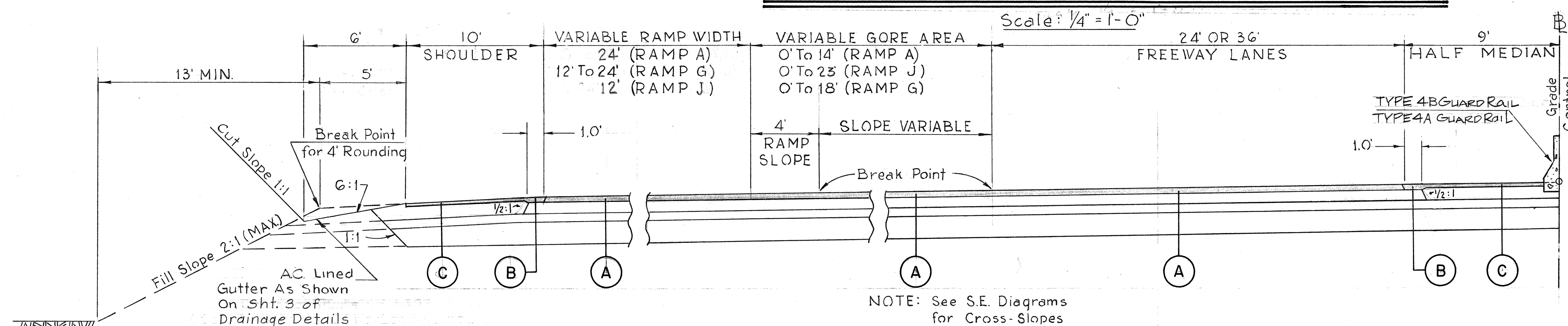


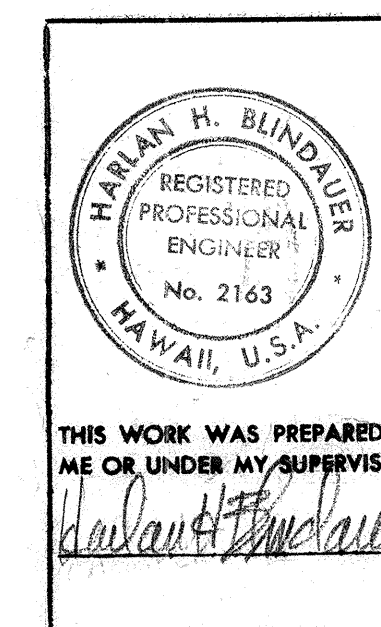
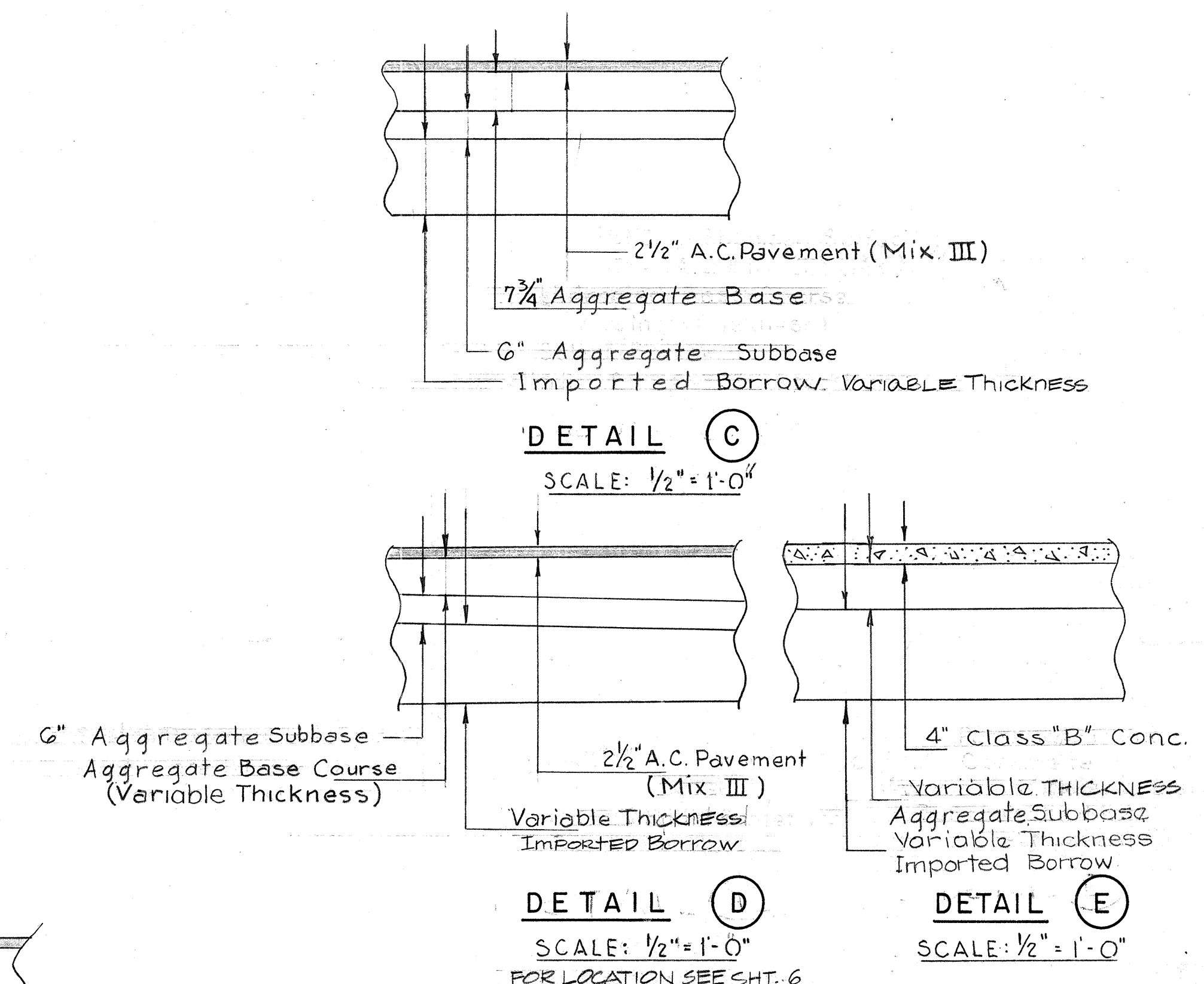
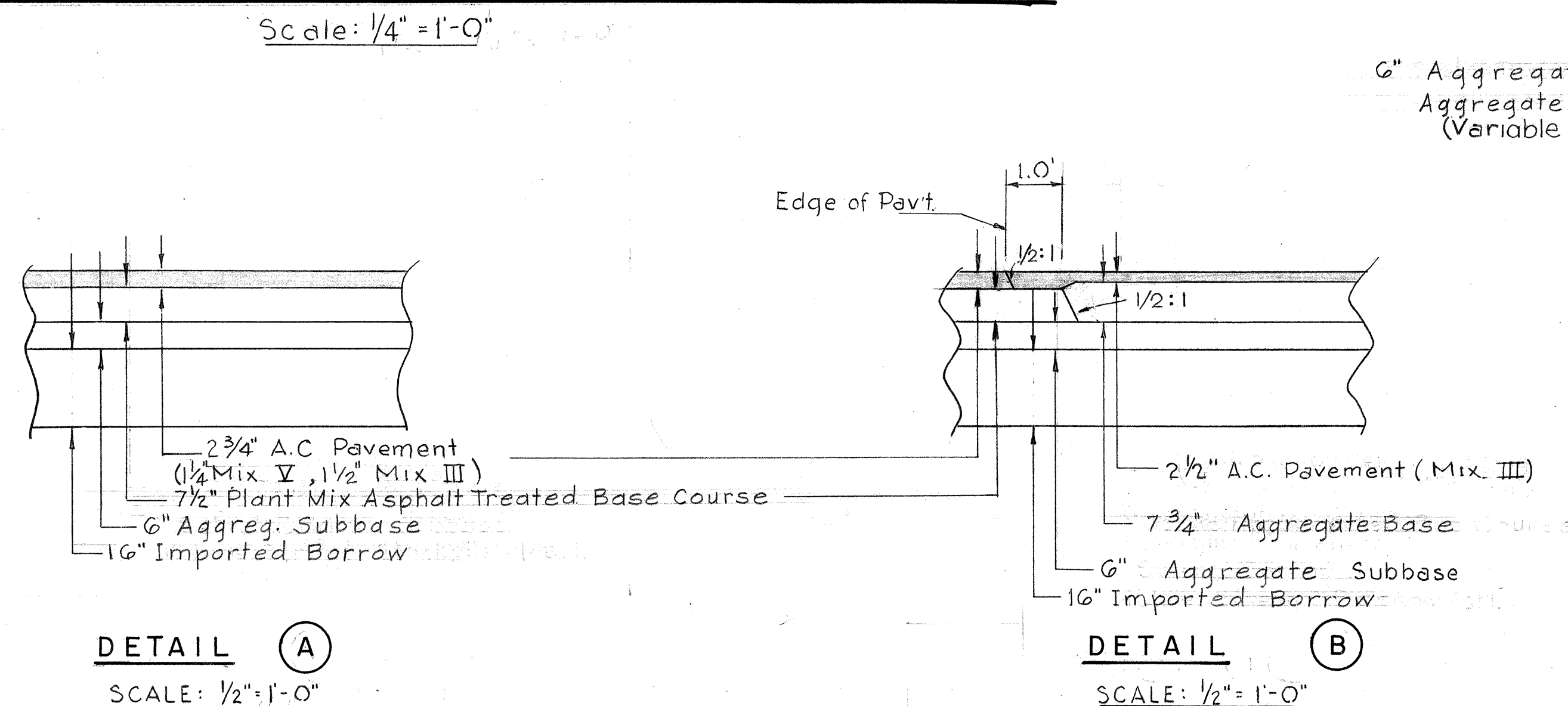
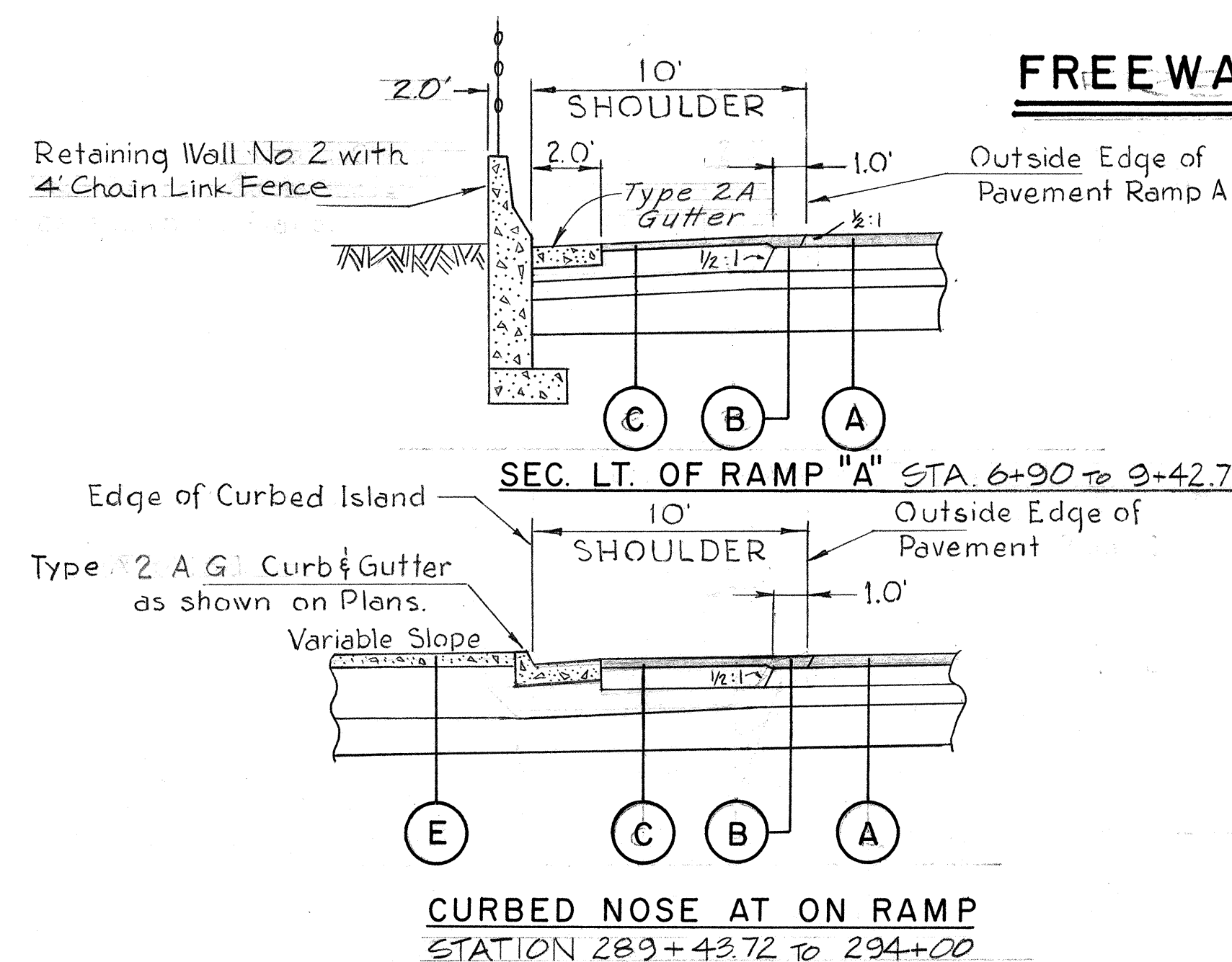
| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| HAWAII                 | HAW.  | F-078-1(10)           | 1971           | 2            | 418             |



# NORMAL FREEWAY TANGENT SECTION



# FREEWAY HALF SECTION THROUGH RAMP GORE AREA

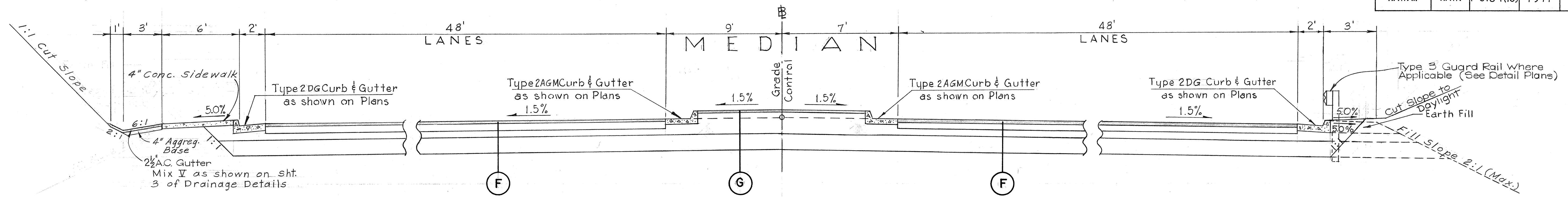


**STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION**

TYPICAL SECTIONS  
MOANALUA ROAD  
F.A. Proj. No.F-078-1(10)  
Scale - As shown Date: JUN 1971

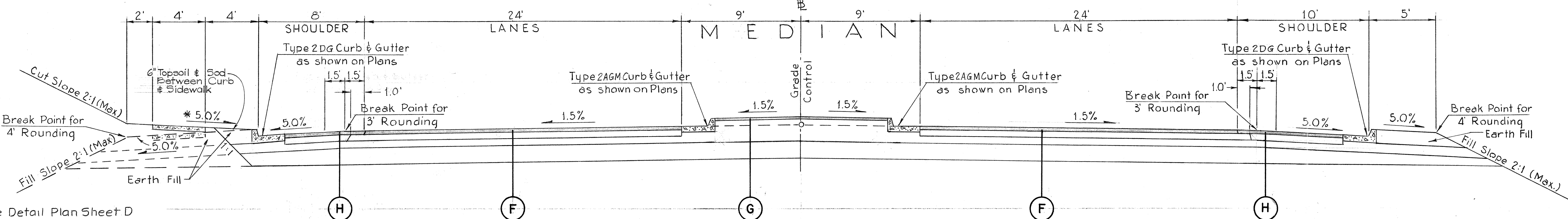
**SHEET No. 1 OF 8 SHEETS**

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | F-078-1(10)        | 1971        | 3         | 418          |



**PUULOA ROAD 8 LANE TANGENT SECTION**

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

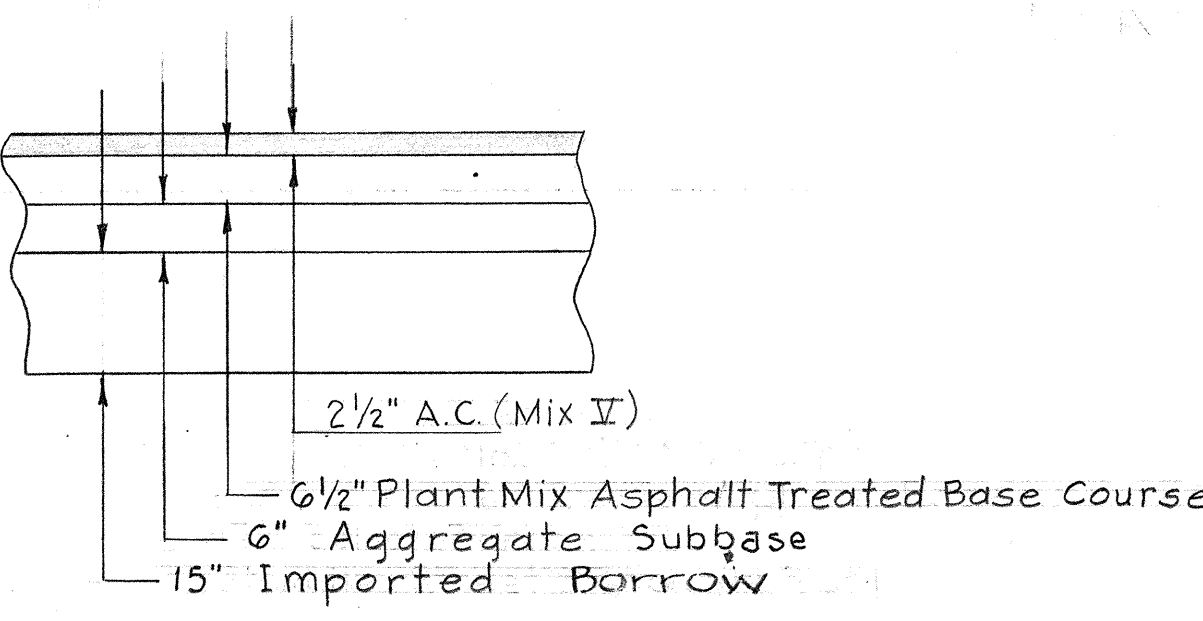


**HALF SECTION AHEAD OF MAHIOLE STREET**

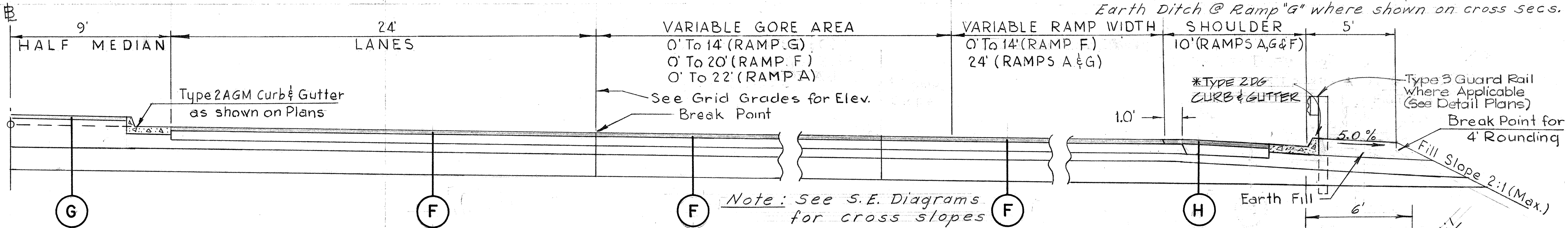
**HALF SECTION BEHIND OF MAHIOLE STREET**

**PUULOA ROAD FOUR LANE TANGENT SECTION**

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

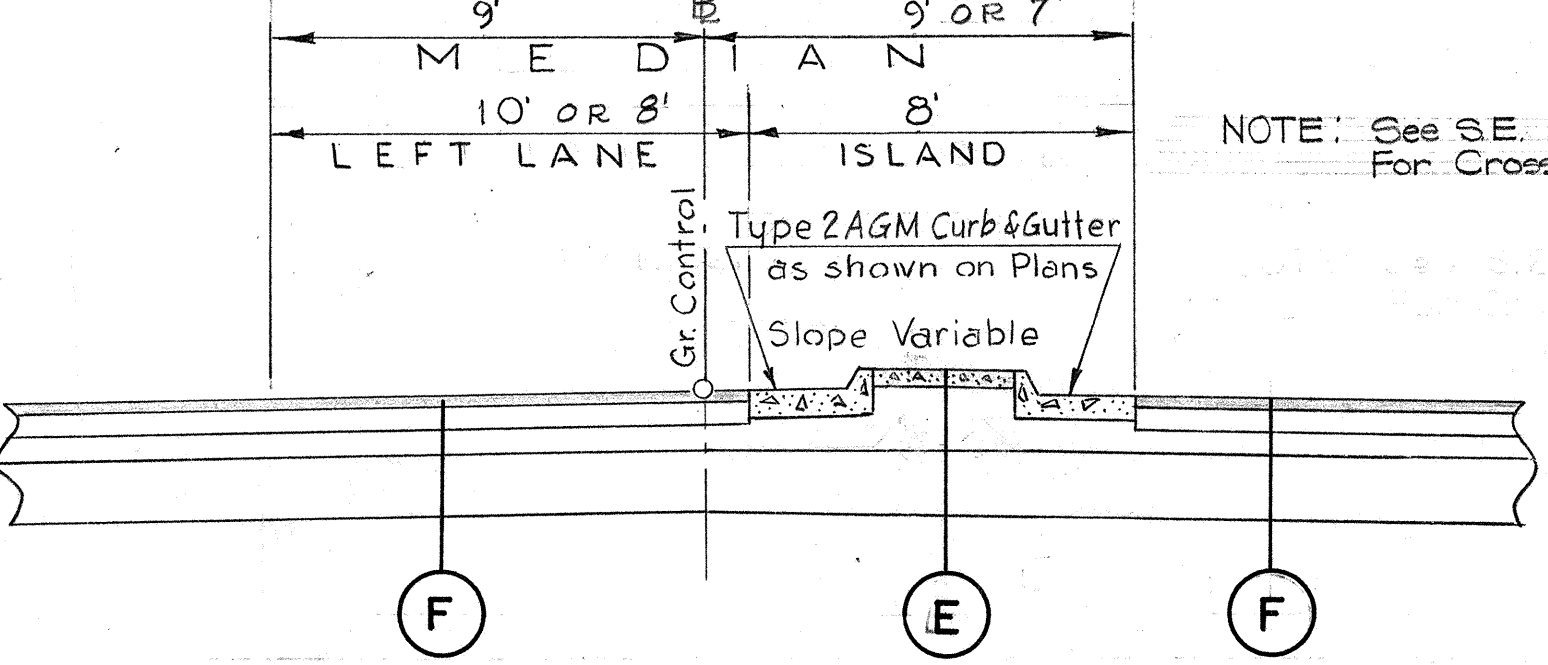


**DETAIL F**  
Scale: 1/2" = 1'-0"



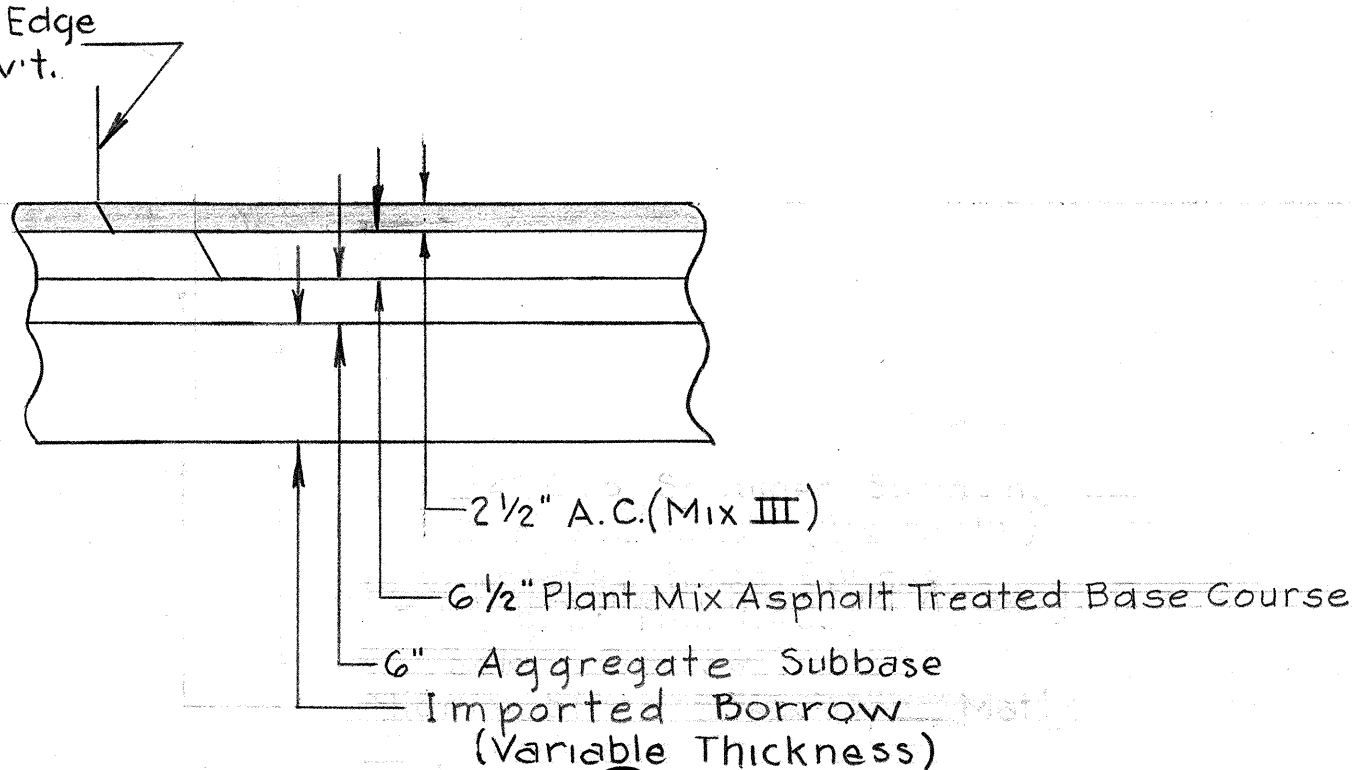
**PUULOA ROAD HALF SECTION THROUGH GORE AREA**

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

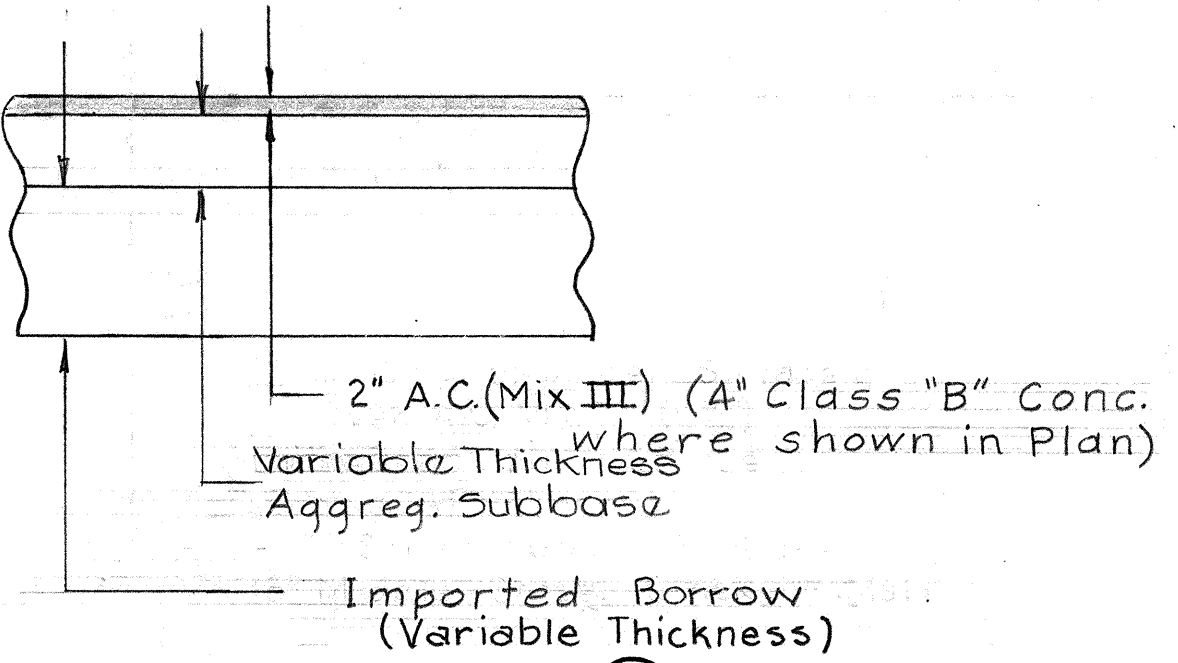


**DETAIL OF PUULOA RD. LEFT TURN LANE**

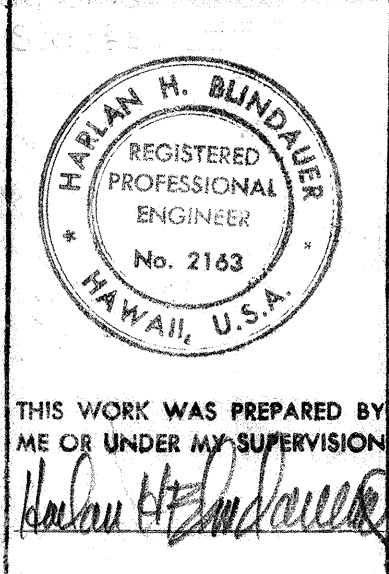
Scale: 1/4" = 1'-0"



**DETAIL H**  
Scale: 1/2" = 1'-0"



**DETAIL G**  
Scale: 1/2" = 1'-0"



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

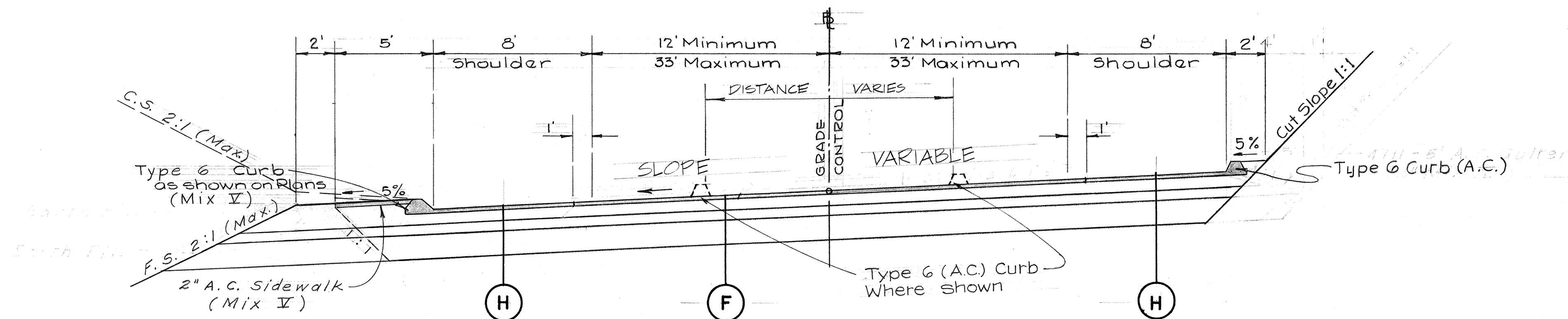
**TYPICAL SECTIONS  
PUULOA ROAD**

F.A. Proj. No. F-078-1(10)

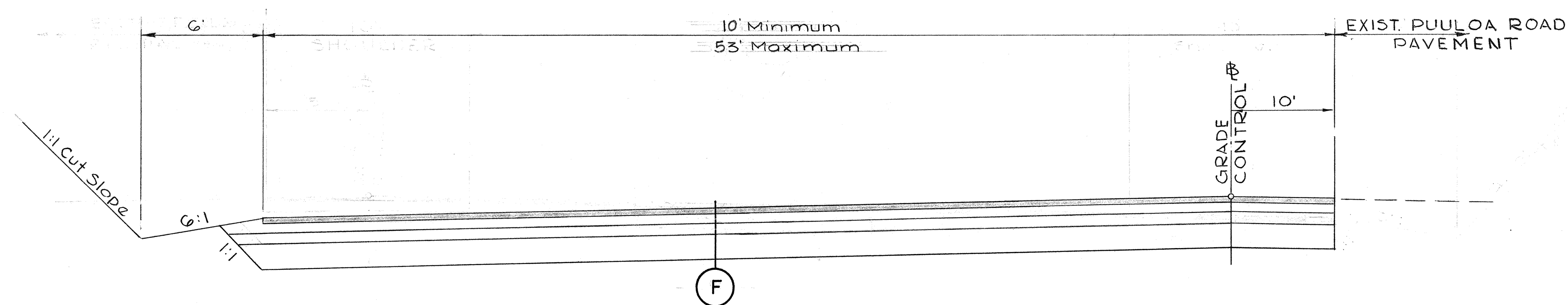
Scale - As shown Date: JAN 1971

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

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | F-078-1(10)        | 1971        | 4         | 418          |

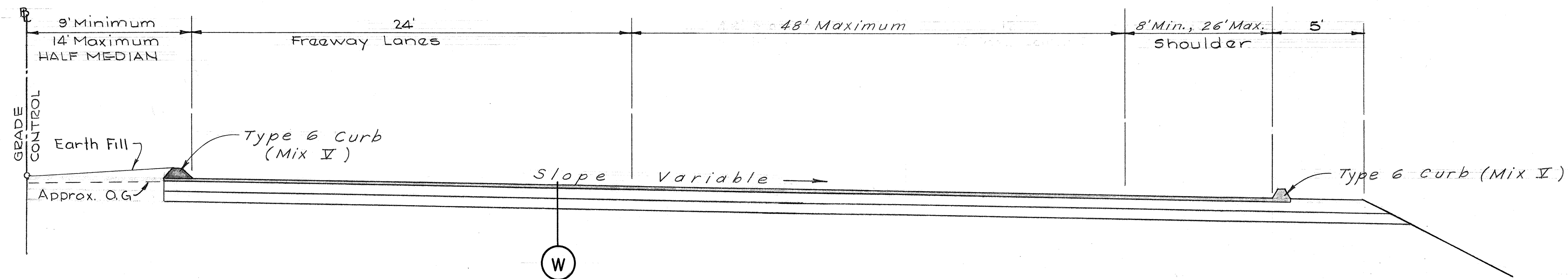


**PUULOA ROAD - STA. 70+01.15 TO 74+58.63**

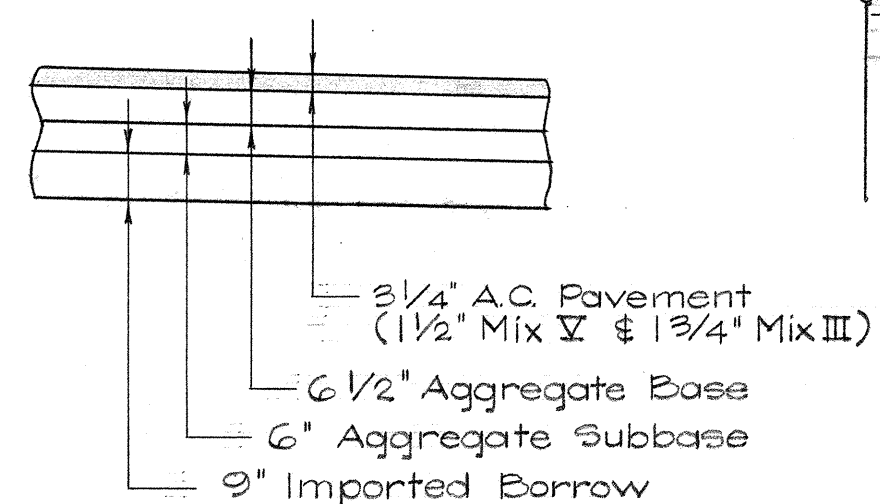


**PUULOA ROAD - STA. 29+80.02 TO 37+25.00**

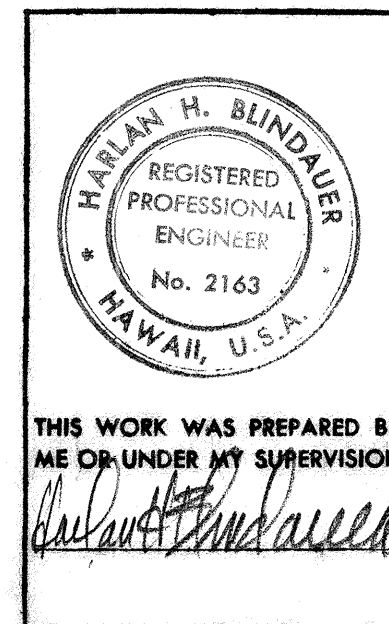
**NOTE**  
For Grid Grades see Sheets 2 & 3 of Temporary Connections.



**HALF SECTION - MOANALUA ROAD - STA. 311+00.00 TO 314+50.00**



**DETAIL W**



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

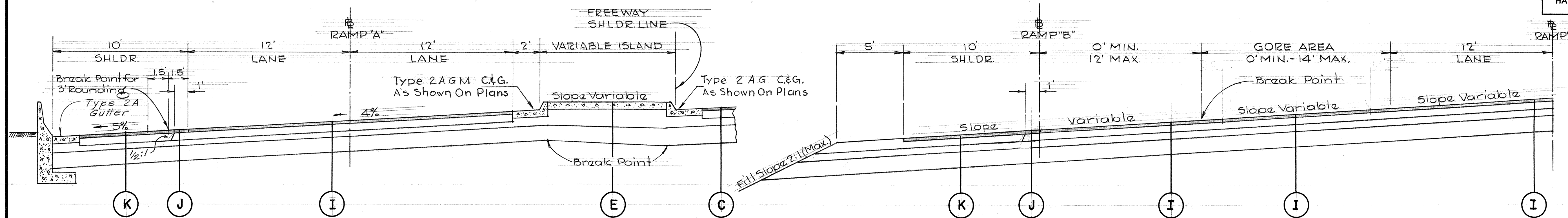
**TYPICAL SECTIONS  
TEMPORARY CONNECTIONS**

F.A. Proj. No. F-078-1(10)  
Scale - 1/4" = 1' = 0"  
Date: JAN 1971

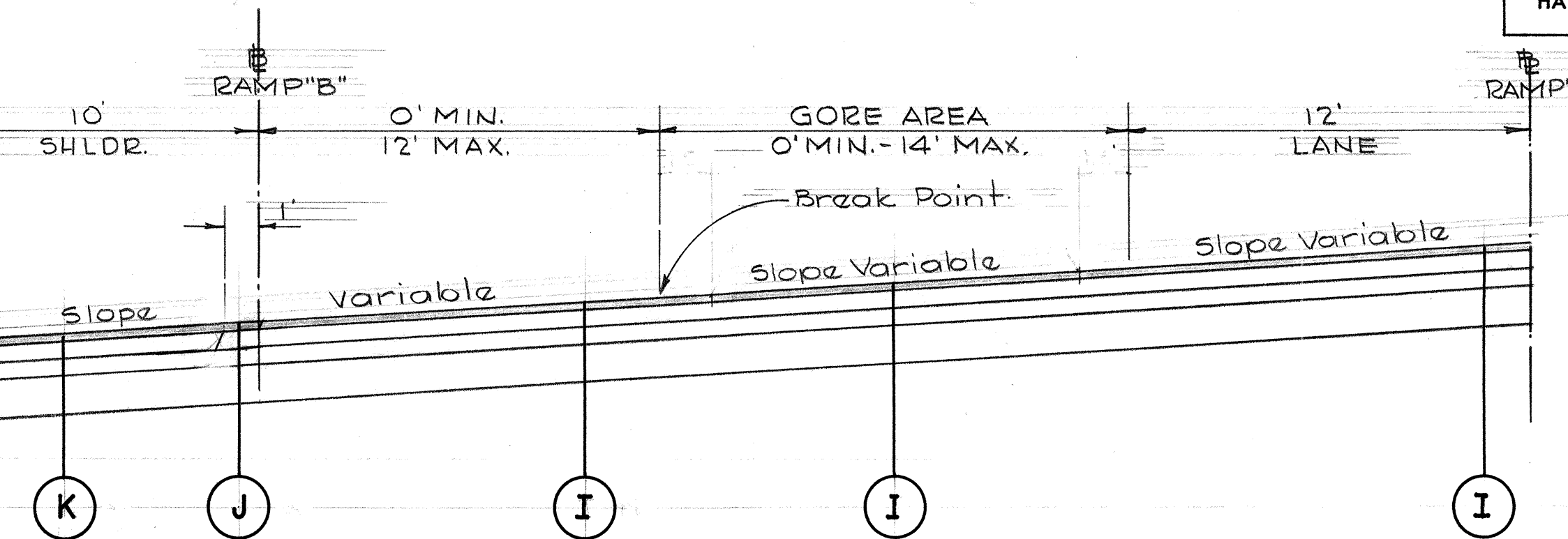
**SHEET No. 3 OF 8 SHEETS**

|                   |      |
|-------------------|------|
| SURVEY PLANNED BY | DATE |
| DRAWN BY          |      |
| TRACED BY         |      |
| CHECKED BY        |      |
| NOTED BY          |      |
| ORIGINAL PLAN     |      |
| NOTE BOOK         |      |
| No.               |      |

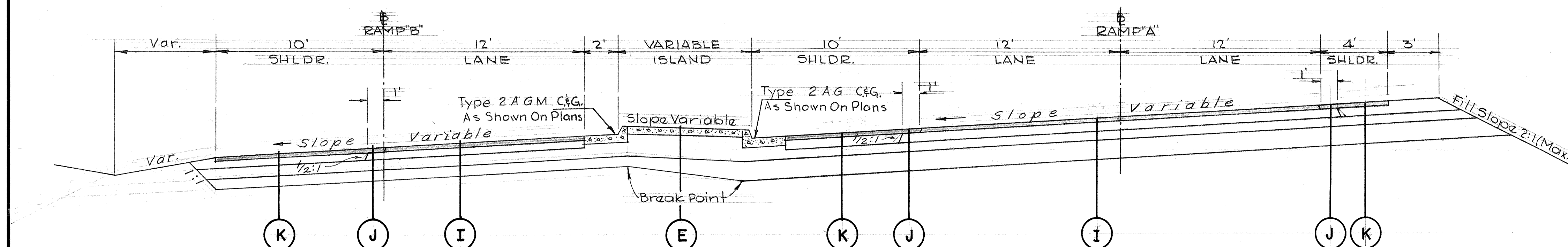
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | F-078-1(10)        | 1971        | 5         | 418          |



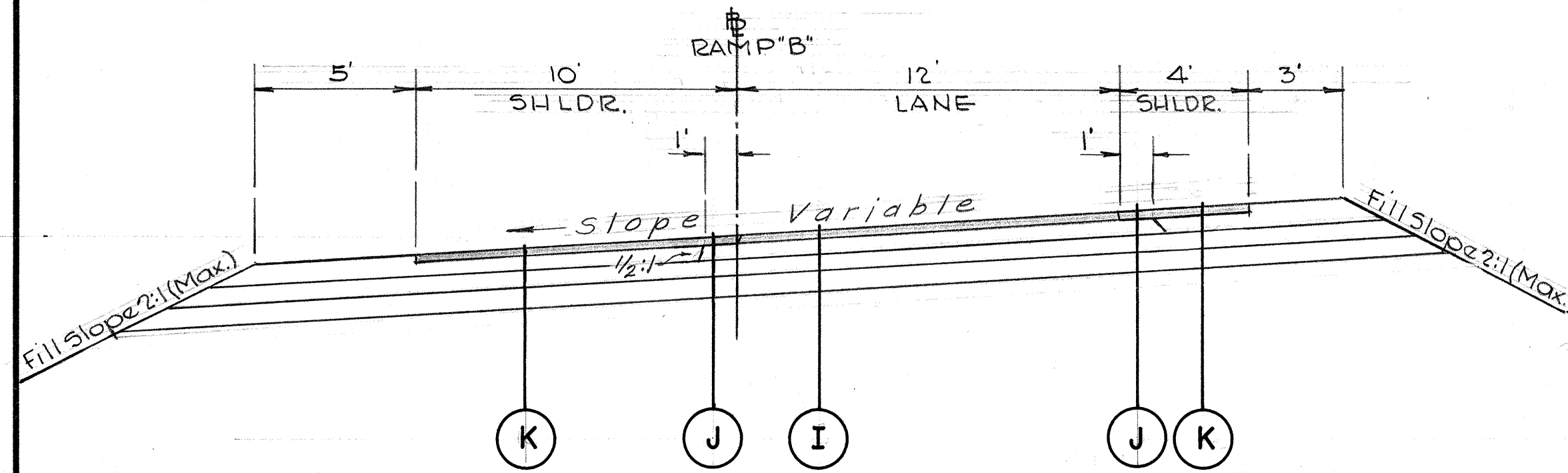
STA. 9+42.77 TO 10+58.00 (RAMP "A")



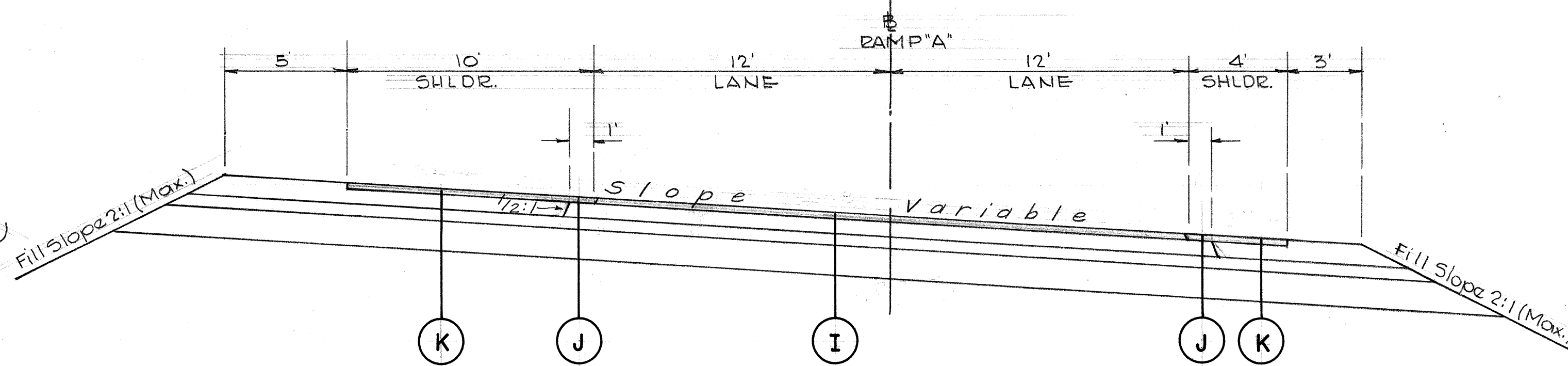
STA. 10+58.00 TO 13+59.14 (RAMP "A")



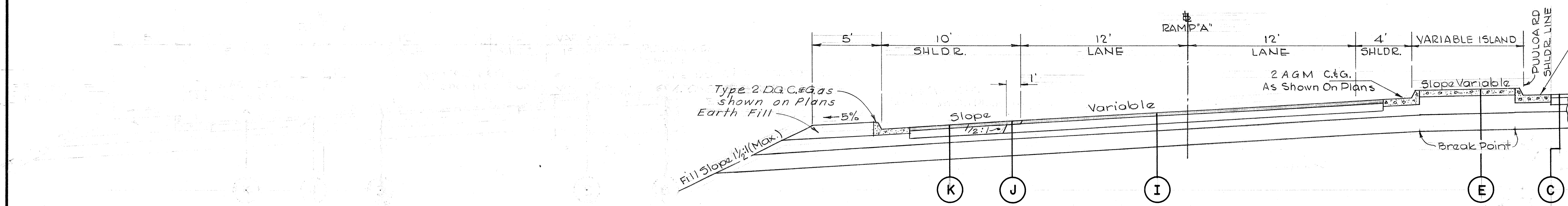
STA. 13+59.14 TO 14+65.00 (RAMP "A")



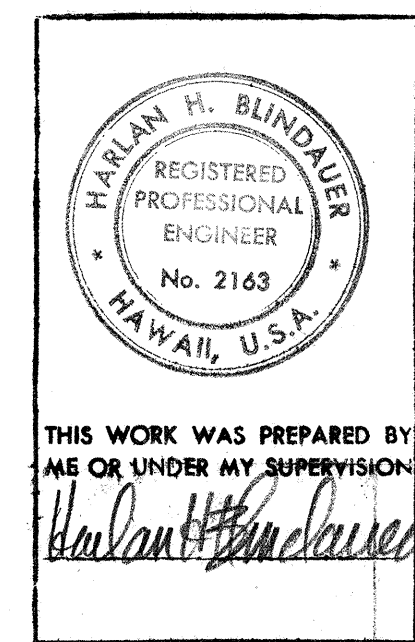
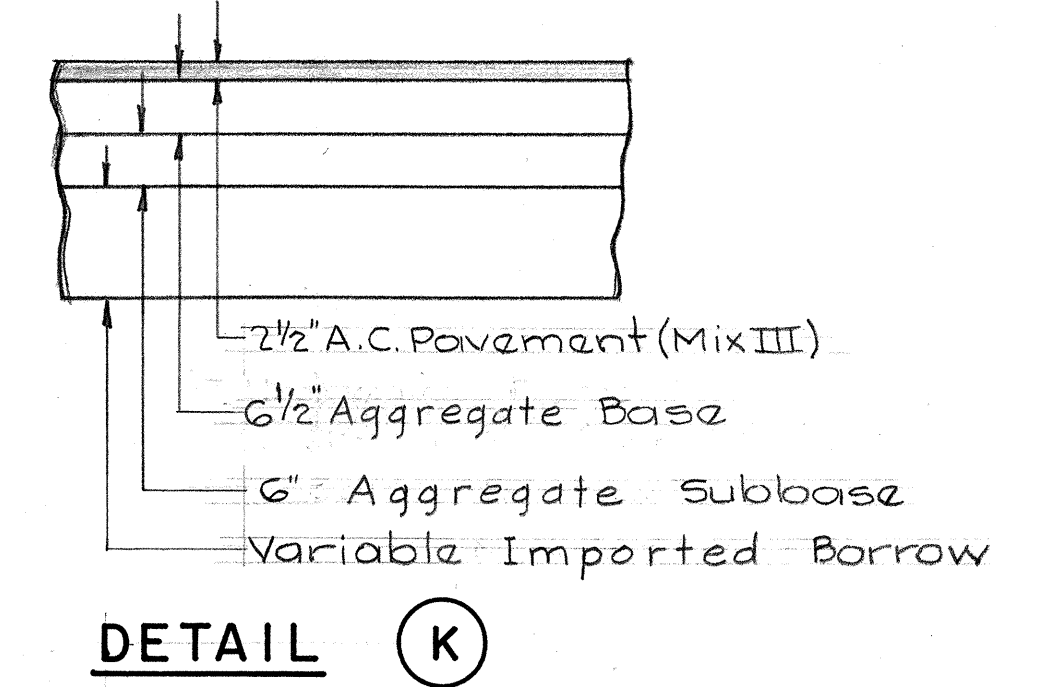
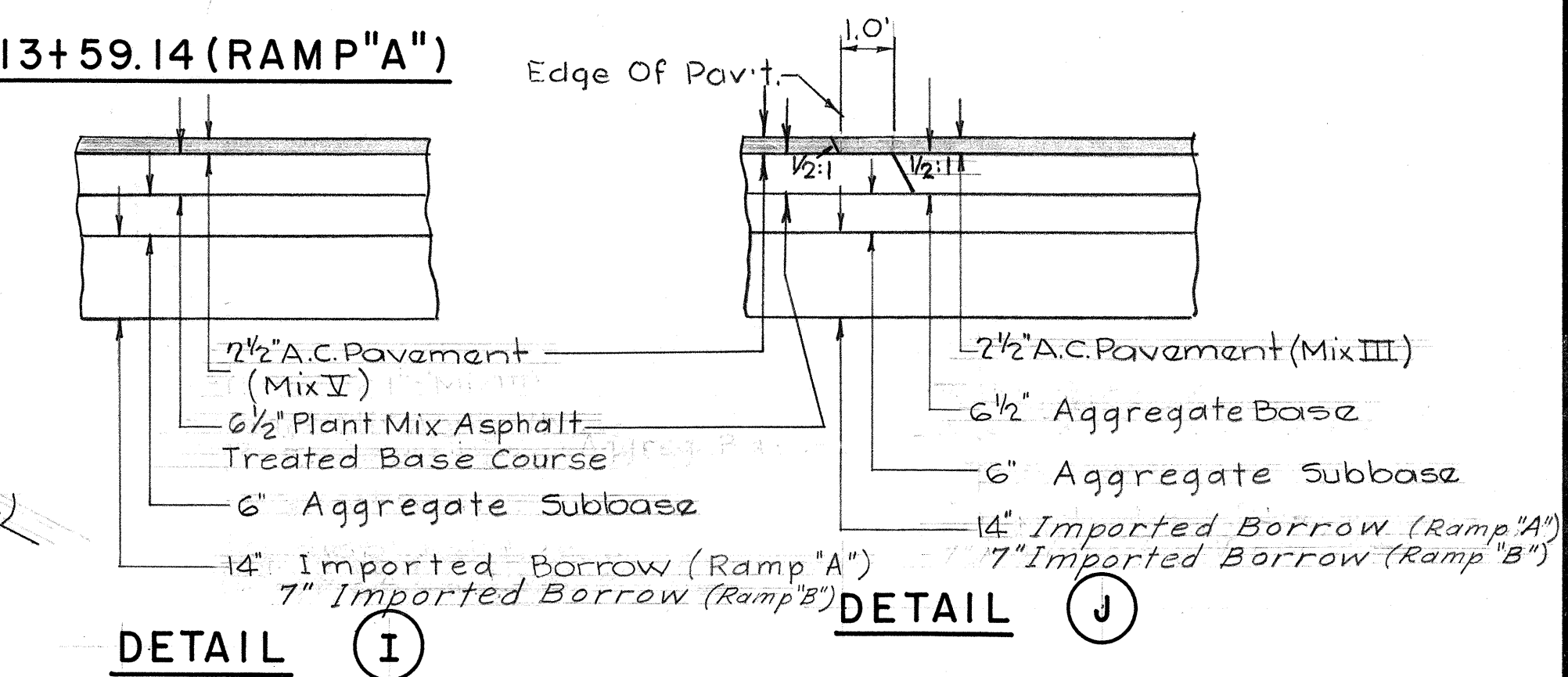
STA. 14+50.00 TO 15+75.00 (RAMP "B")



STA. 14+65.00 TO 17+00.00 (RAMP "A")



STA. 29+00.00 TO 30+86.24 (RAMP "A")



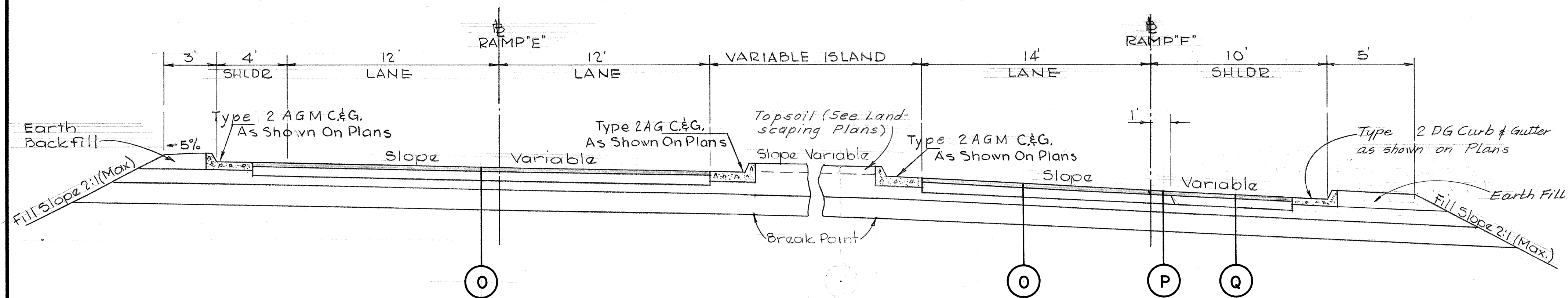
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL SECTIONS  
RAMPS "A" & "B"**  
F.A. Proj. No. F-078-1(10)  
Scale - 1/4" = 1'-0" Date: JAN 1971

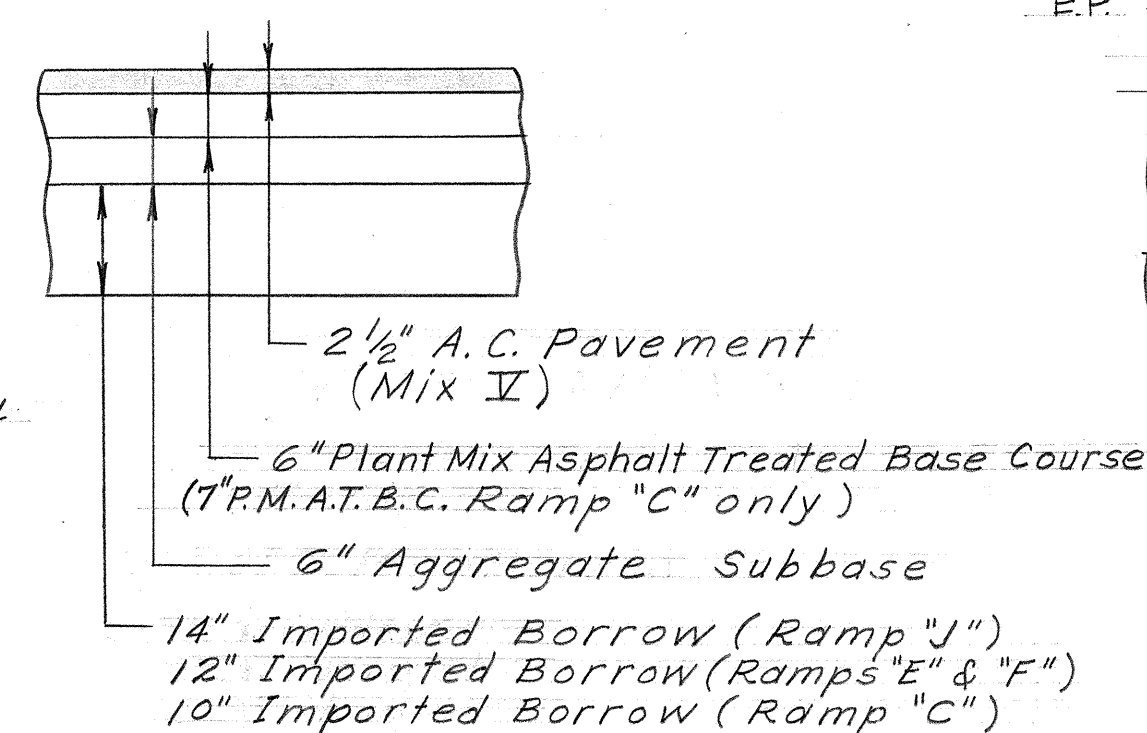
SHEET No. 4 OF 8 SHEETS

|                   |       |
|-------------------|-------|
| DATE              | _____ |
| SURVEY PLOTTED BY | _____ |
| DESIGNED BY       | _____ |
| TRACED BY         | _____ |
| NOTE BOOK         | _____ |
| QUANTITIES BY     | _____ |
| CHECKED BY        | _____ |
| No.               | _____ |

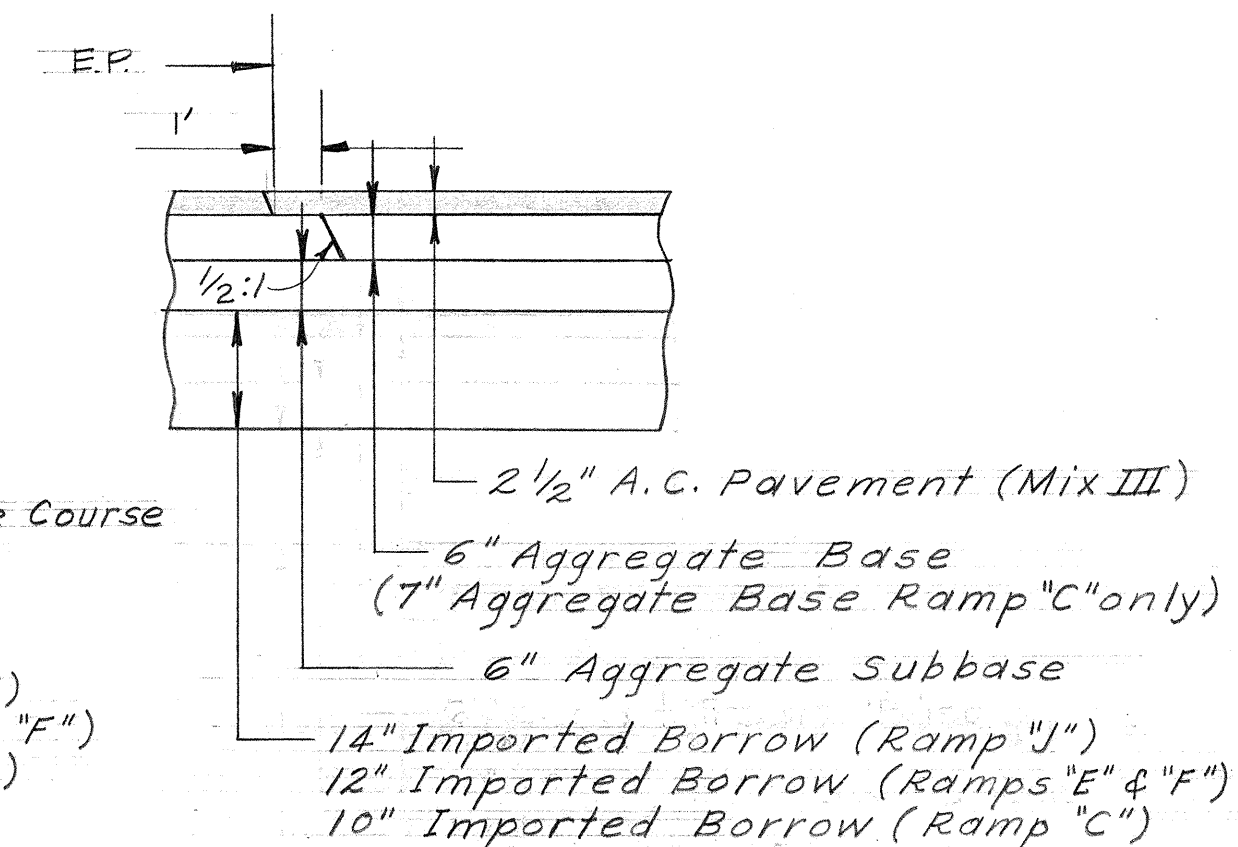
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | F-078-1(10)        | 1971        | 6         | 418          |



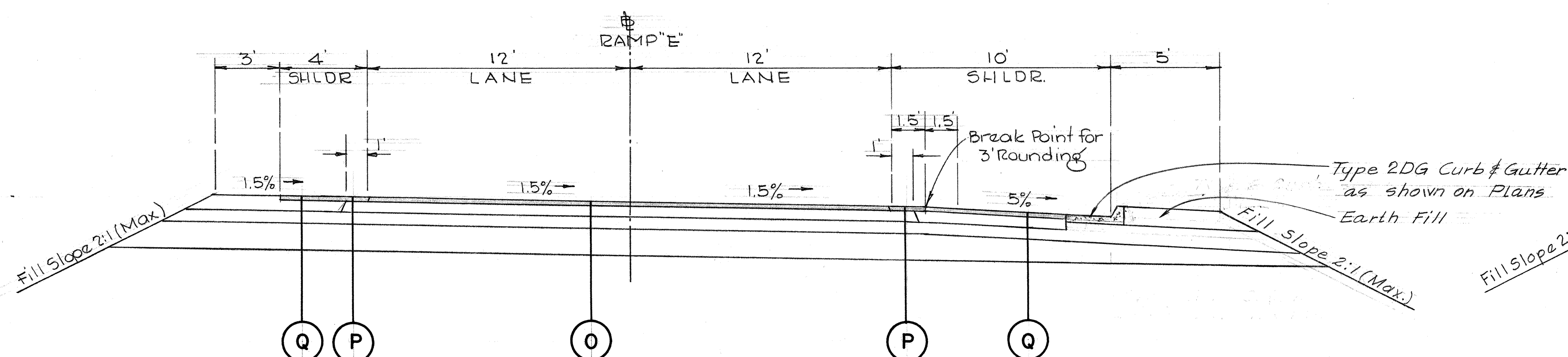
STA. 9+47.11 TO 10+57.86 (RAMP "F")



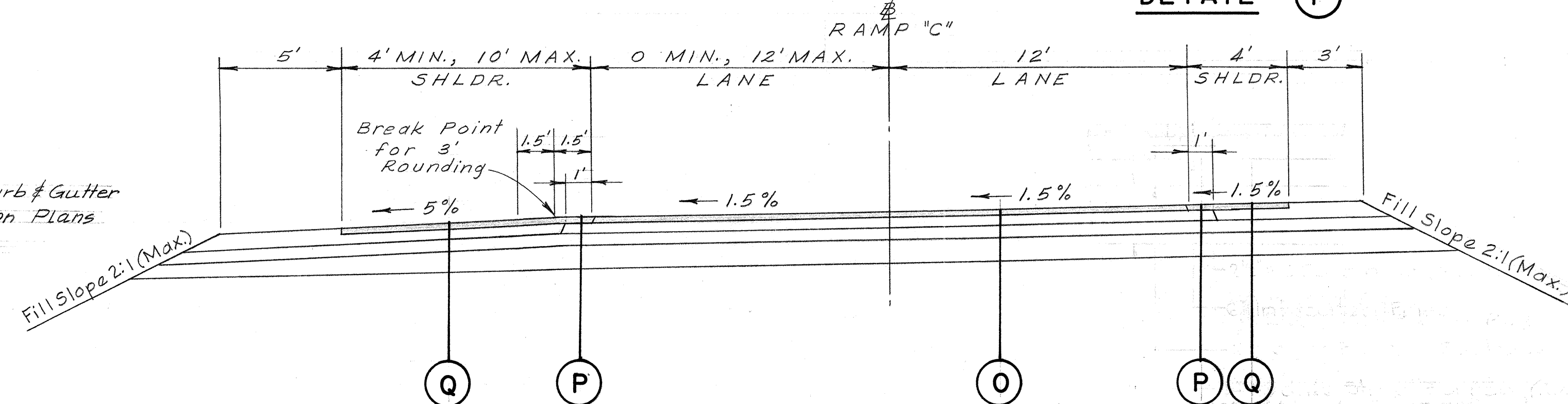
DETAIL (O)



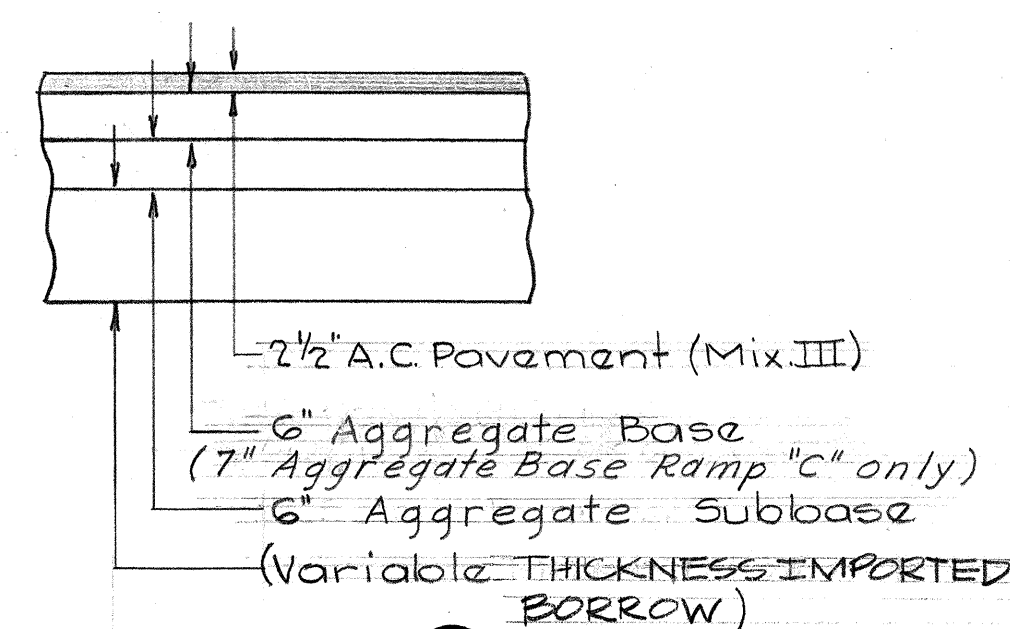
DETAIL (P)



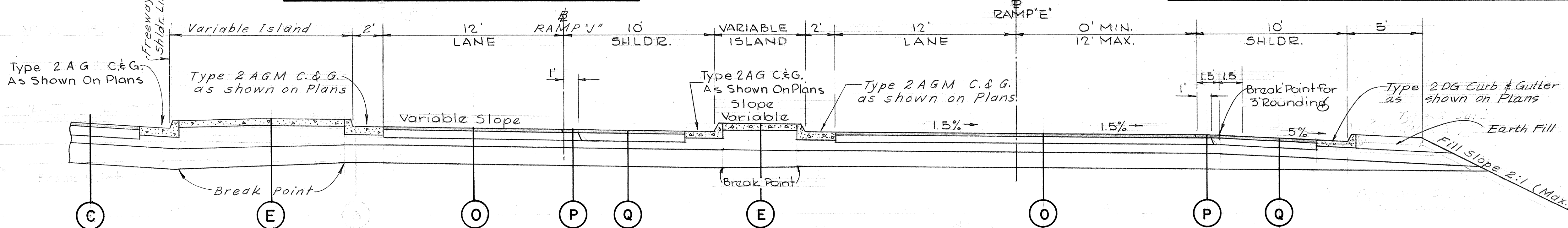
STA. 11+20.33 TO 13+50.00 (RAMP "E")



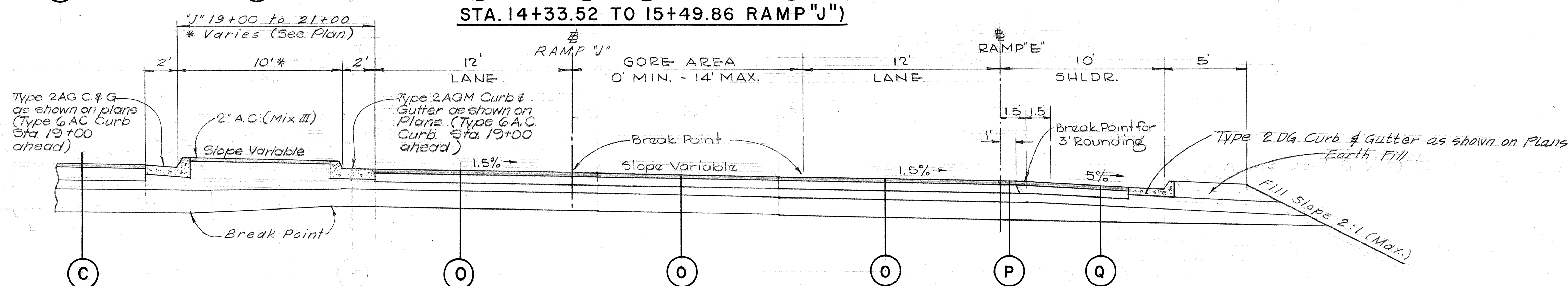
STA. 13+00.00 TO 19+45.00 (RAMP "C")



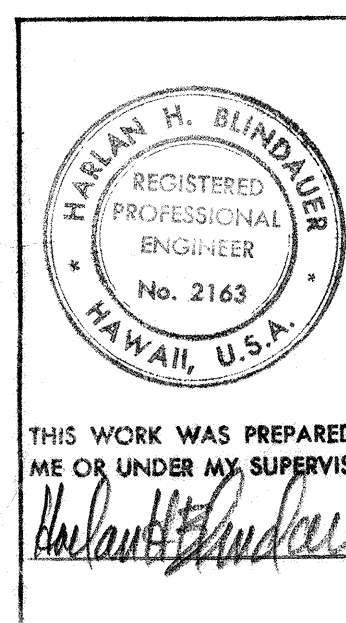
DETAIL (Q)



STA. 14+33.52 TO 15+49.86 RAMP "J")



STA. 15+49.86 TO 21+00.00 (RAMP "J")



STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

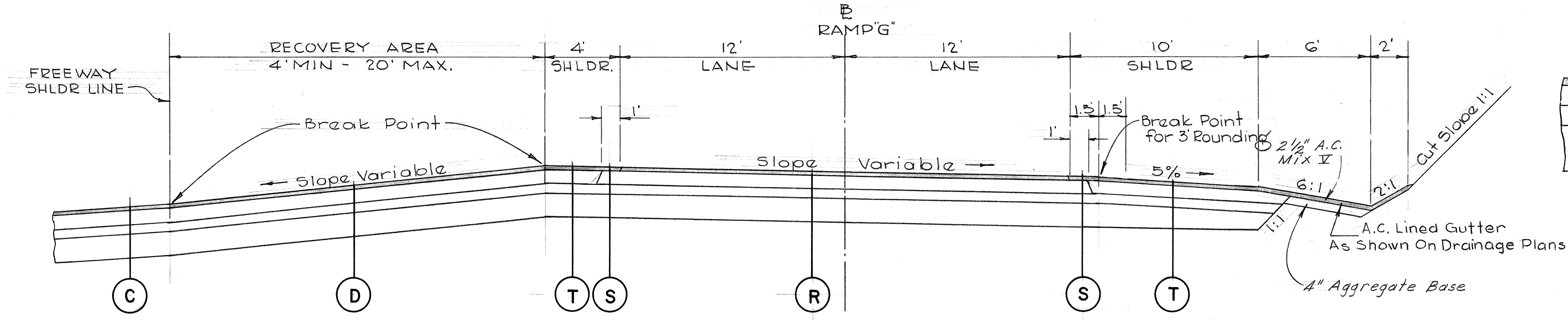
TYPICAL SECTIONS  
 RAMPS "C", "E", "F" & "J"

F.A. Proj. No. F-078-1(10)  
 Scale - 1/4" = 1'-0" Date: JAN 1971

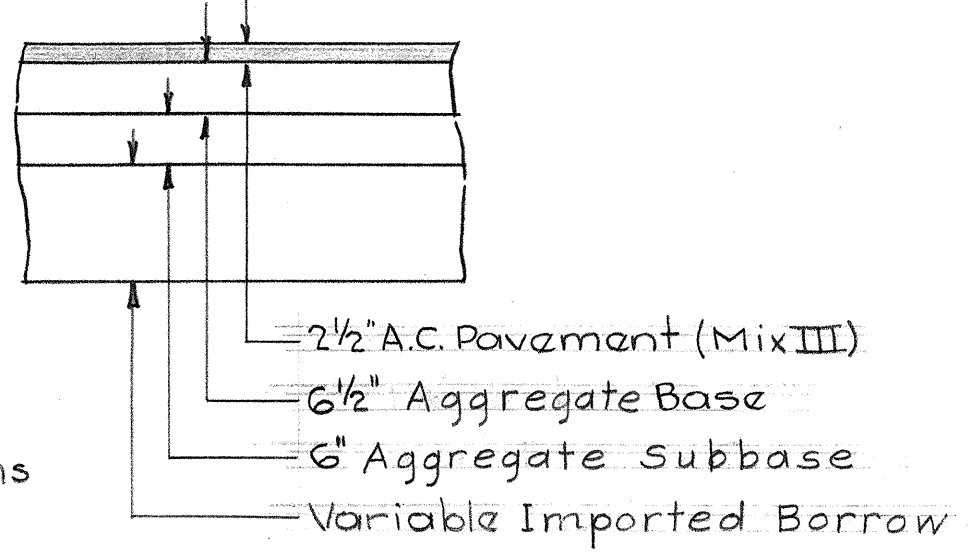
SHEET No. 5 OF 8 SHEETS

|                   |       |
|-------------------|-------|
| DATE              | ***** |
| SURVEY PLOTTED BY |       |
| DRAWN BY          |       |
| TRACED BY         |       |
| QUANTITIES BY     |       |
| CHECKED BY        |       |
| NOTE BOOK         |       |
| No.               |       |

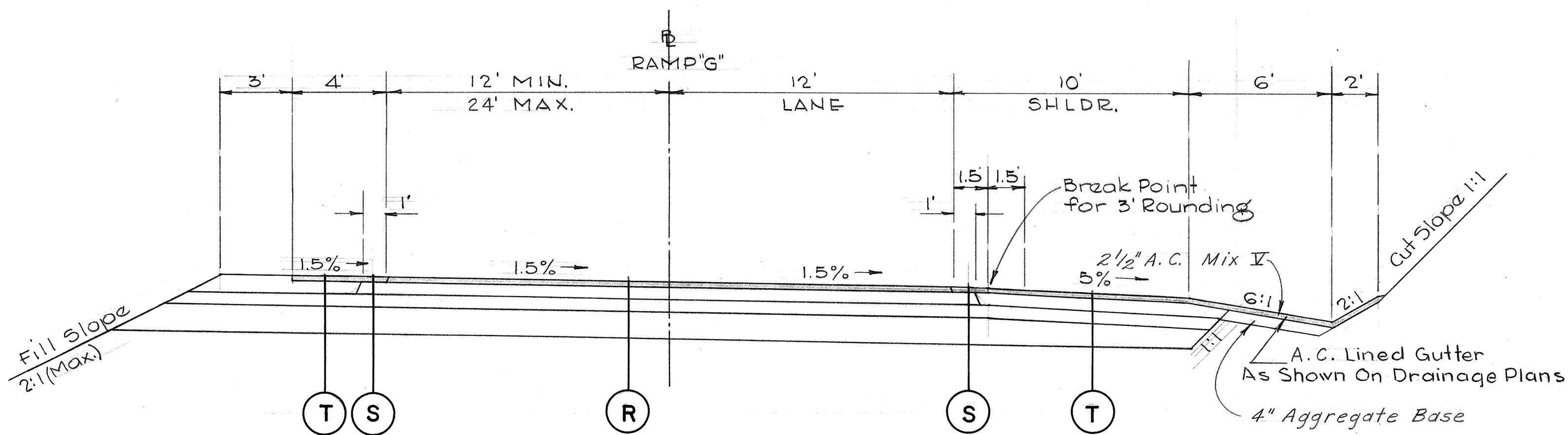
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | F-078-1(10)        | 1971        | 7         | 418          |



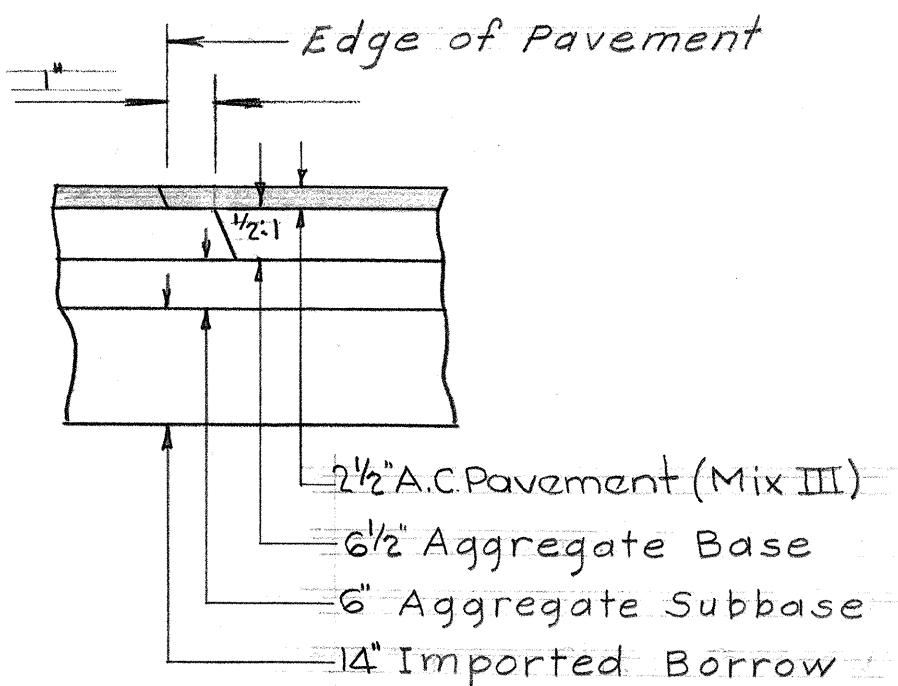
STA. 11+62.41 TO 13+75.00 (RAMP "G")



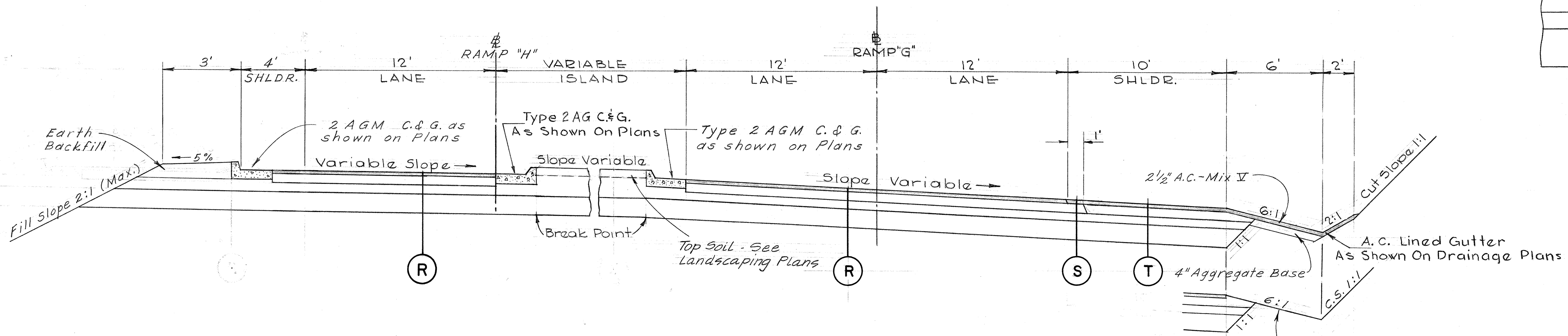
DETAIL T



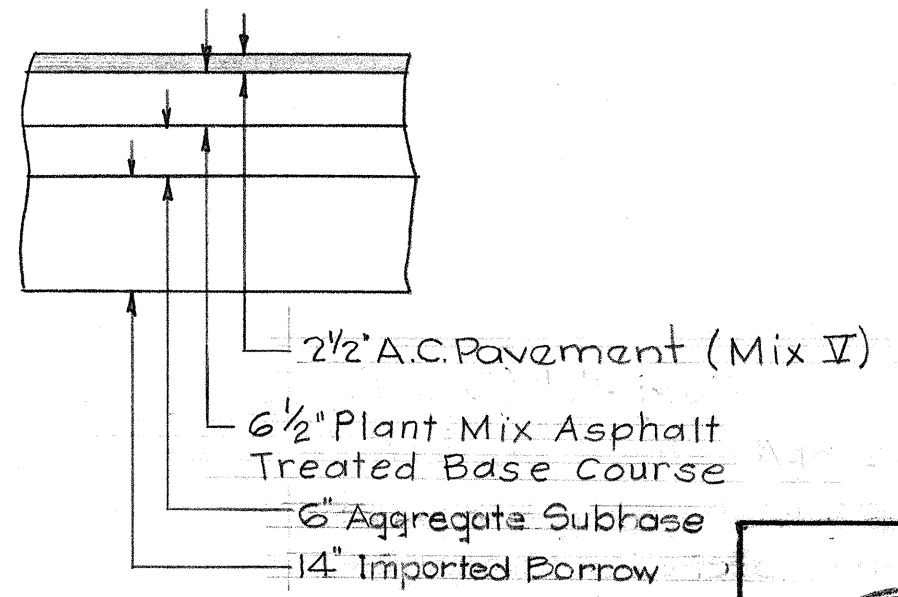
STA. 13+75.00 TO 16+79.27 (RAMP "G")



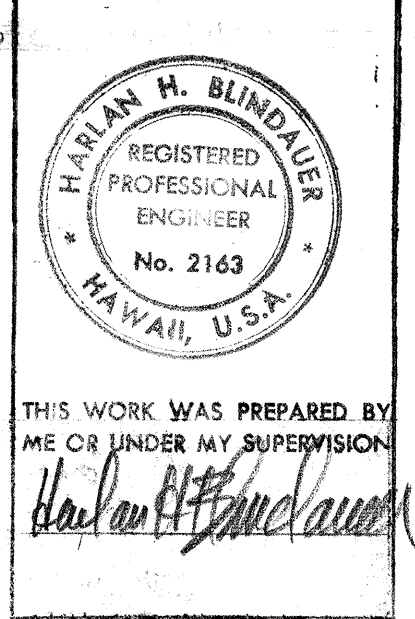
DETAIL S



STA. 18+34.20 TO 20+73.75 (RAMP "G")



DETAIL R



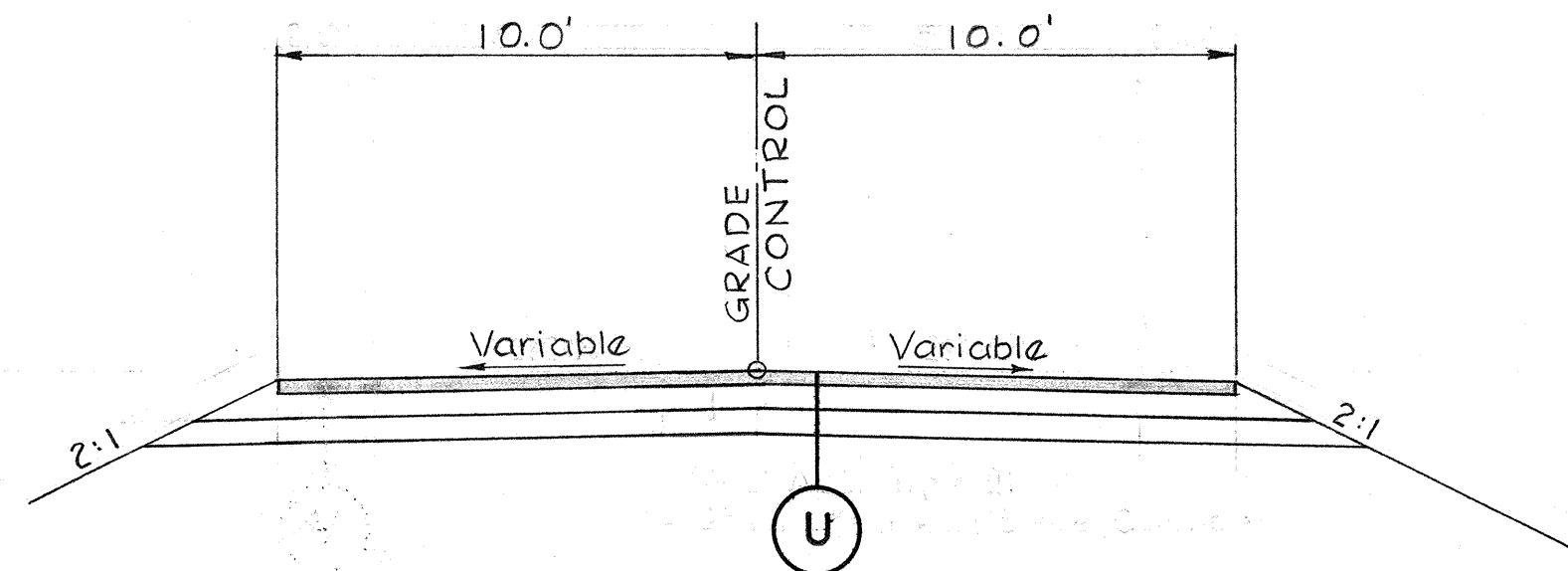
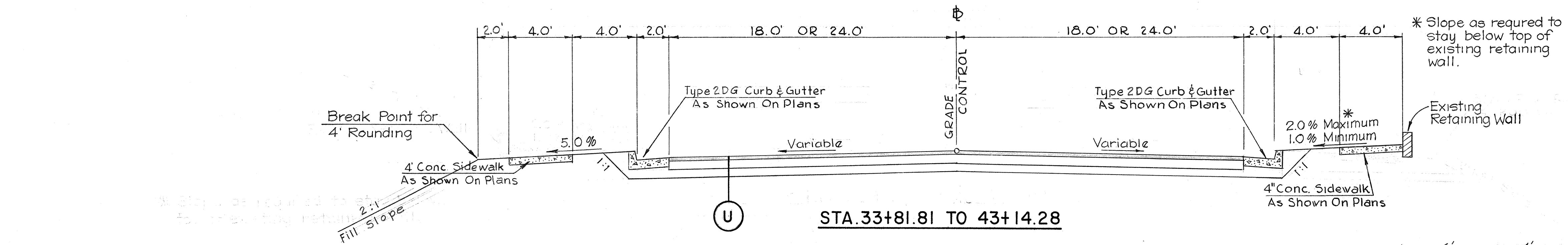
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL SECTIONS**  
**RAMPS "G" & "H"**  
F.A. Proj. No.F-078-1(10)  
Scale-1/4"=1'-0"      Date: JAN 1971

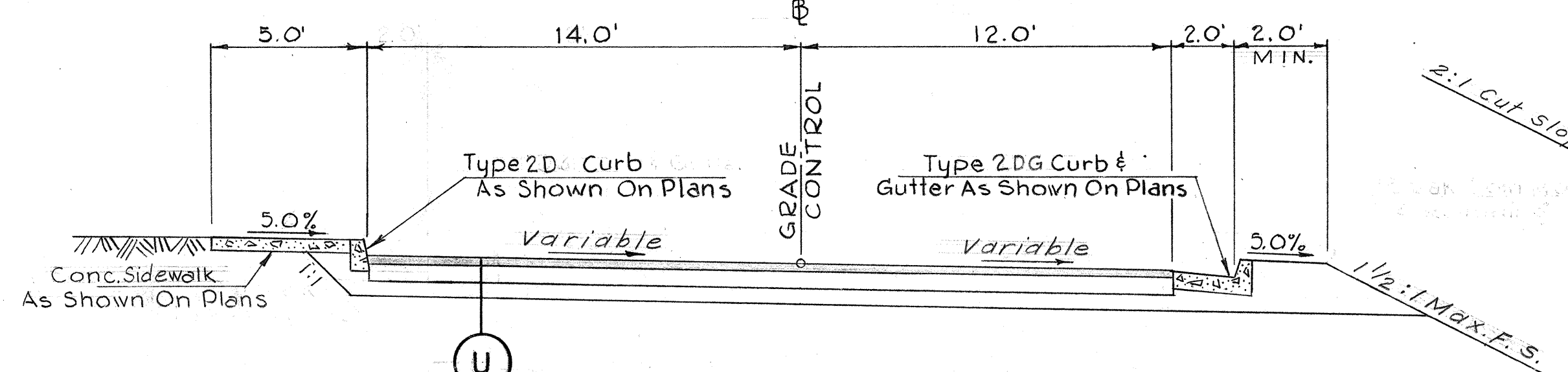
SHEET No. 6 OF 8 SHEETS

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| REVIEWED BY       |      |
| NOTED BY          |      |
| CHECKED BY        |      |
| ORIGINAL PLAN     |      |
| NOTE BOOK         |      |
| No.               |      |

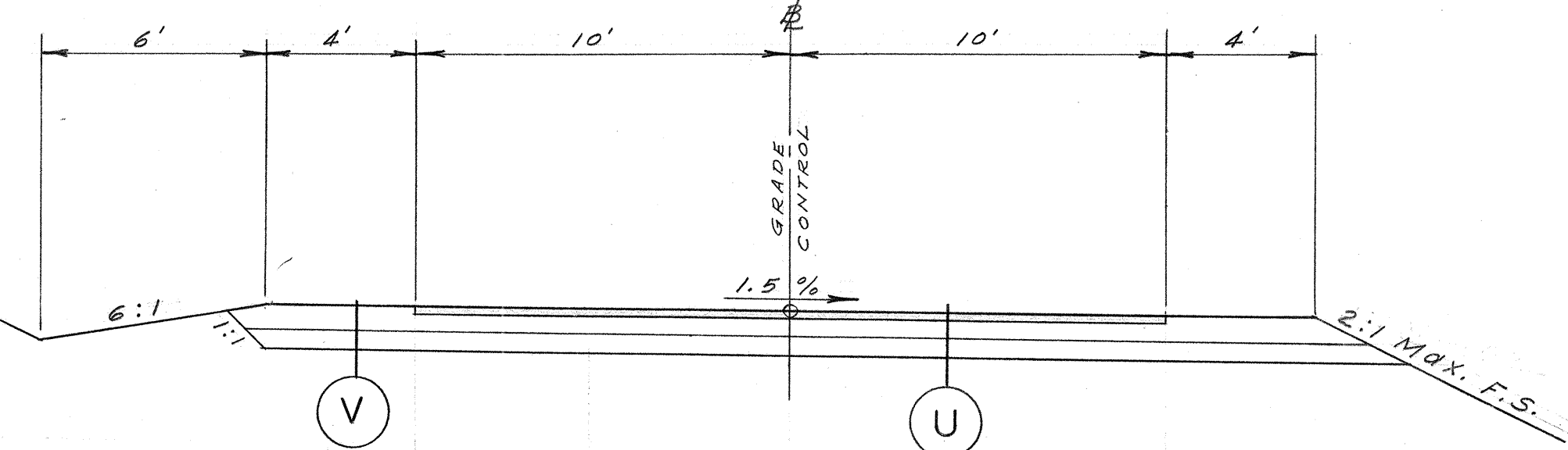
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | F-078-1(10)        | 1971        | 8         | 418          |



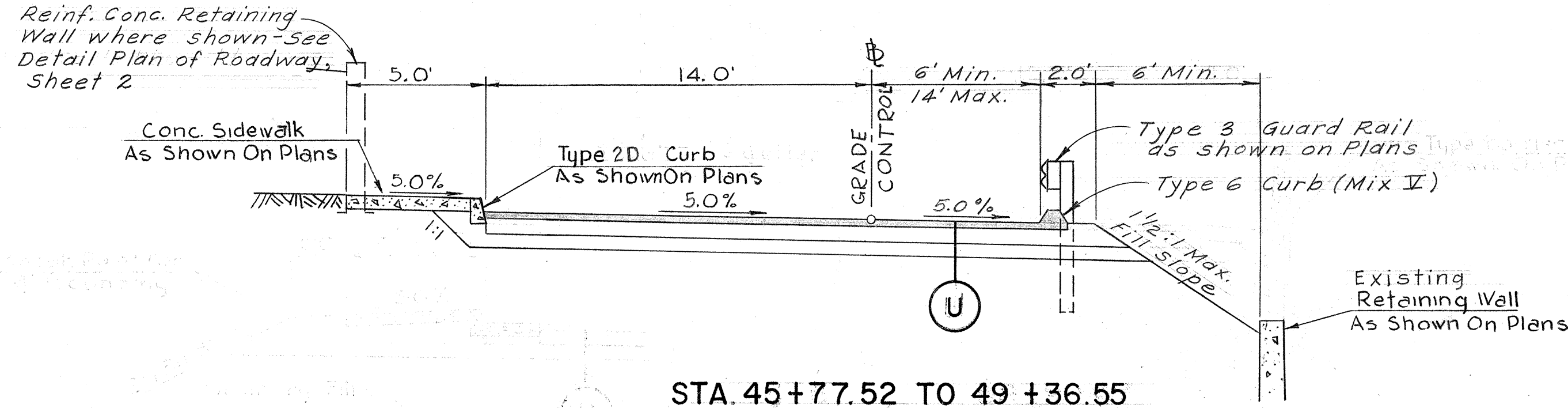
**PUMP HOUSE SERVICE RD.**



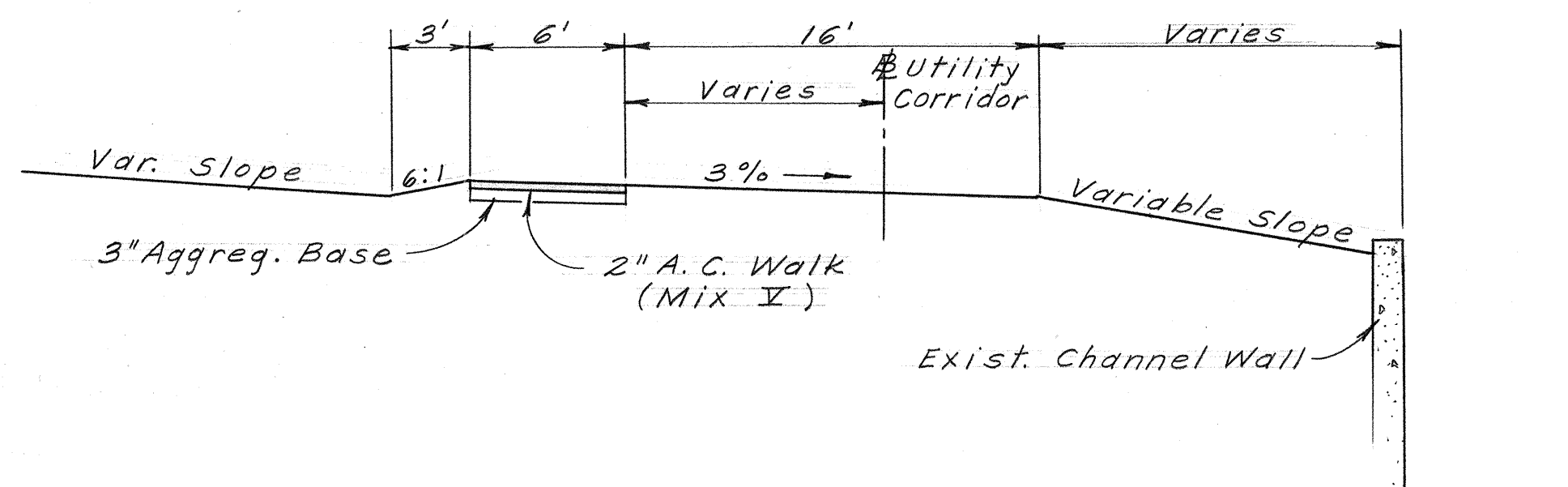
**STA. 44+24.1 TO 45+77.52**



**PARK ROAD**

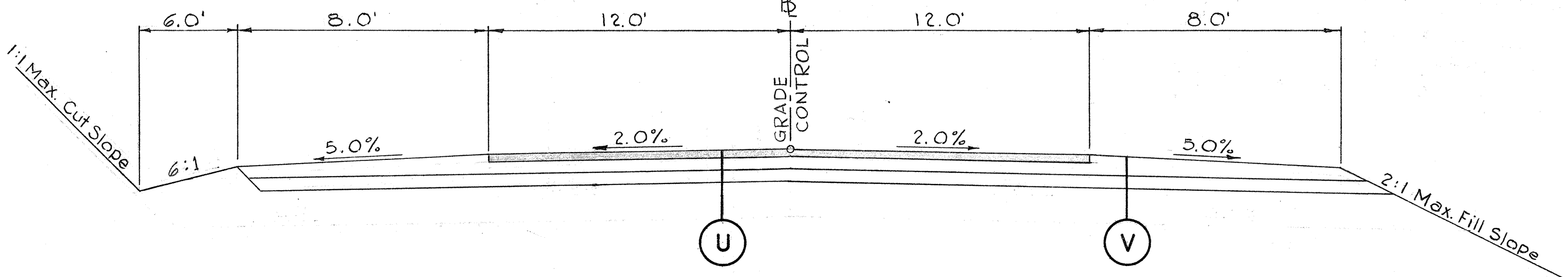


**MAHIOLE STREET**

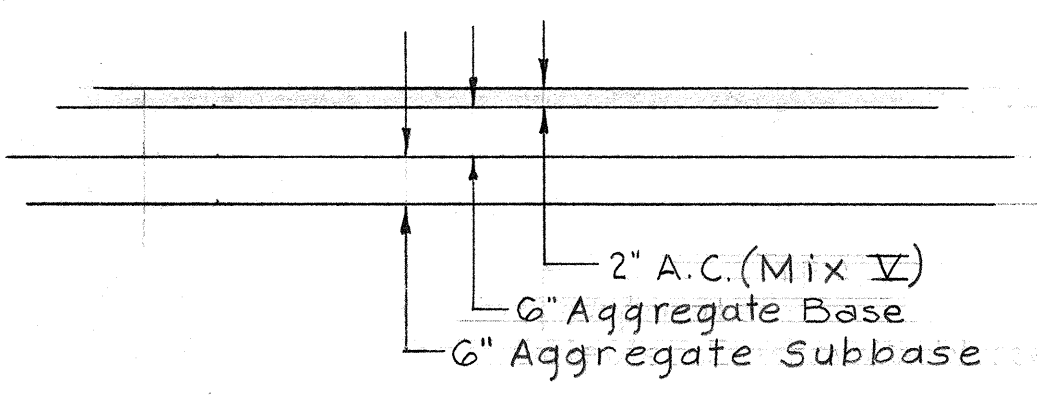


**UTILITY CORRIDOR BEYOND  
END OF MAHIOLE STREET**

NO SCALE

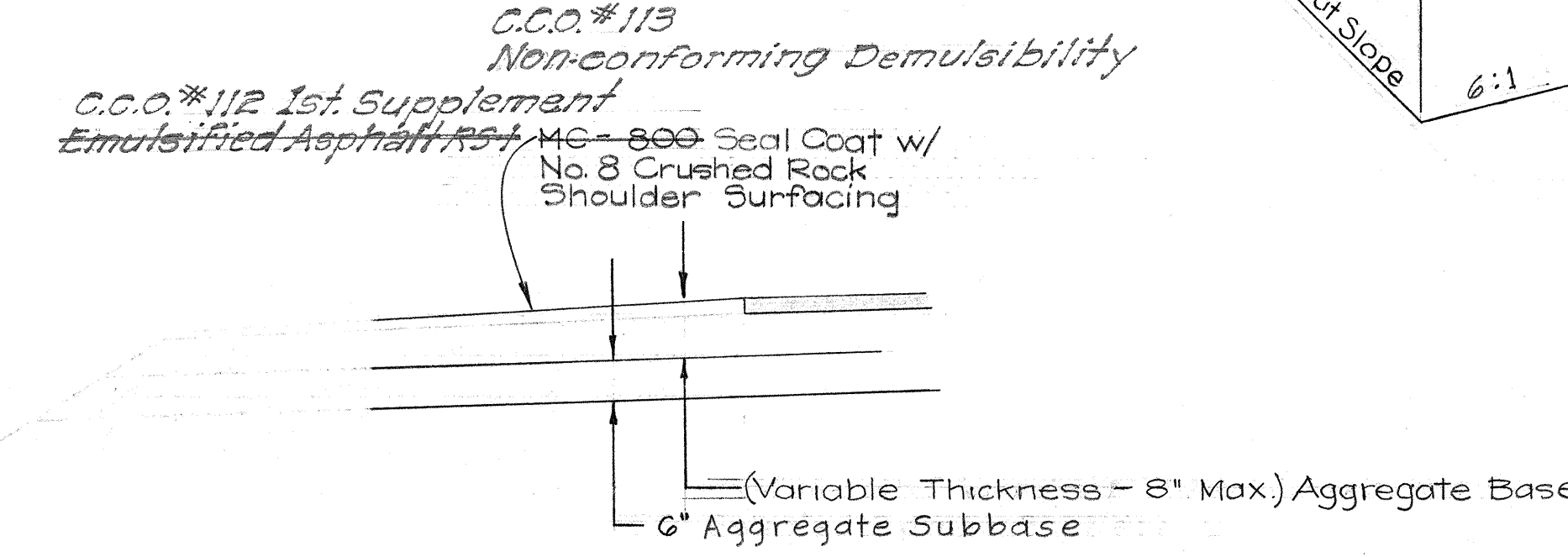


**PELTIER STREET**



**DETAIL**

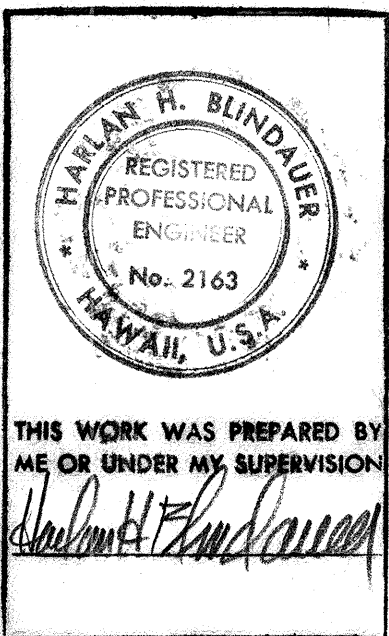
U



**DETAIL**

V

|               |       |
|---------------|-------|
| DATE          | _____ |
| SURVEY BY     | _____ |
| DRAWN BY      | _____ |
| DESIGNED BY   | _____ |
| CHECKED BY    | _____ |
| ORIGINAL PLAN | _____ |
| NOTE BOOK     | _____ |
| No.           | _____ |



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL SECTIONS  
MAHIOLE ST., PELTIER ST.  
& PUMP HOUSE SERVICE RD.**

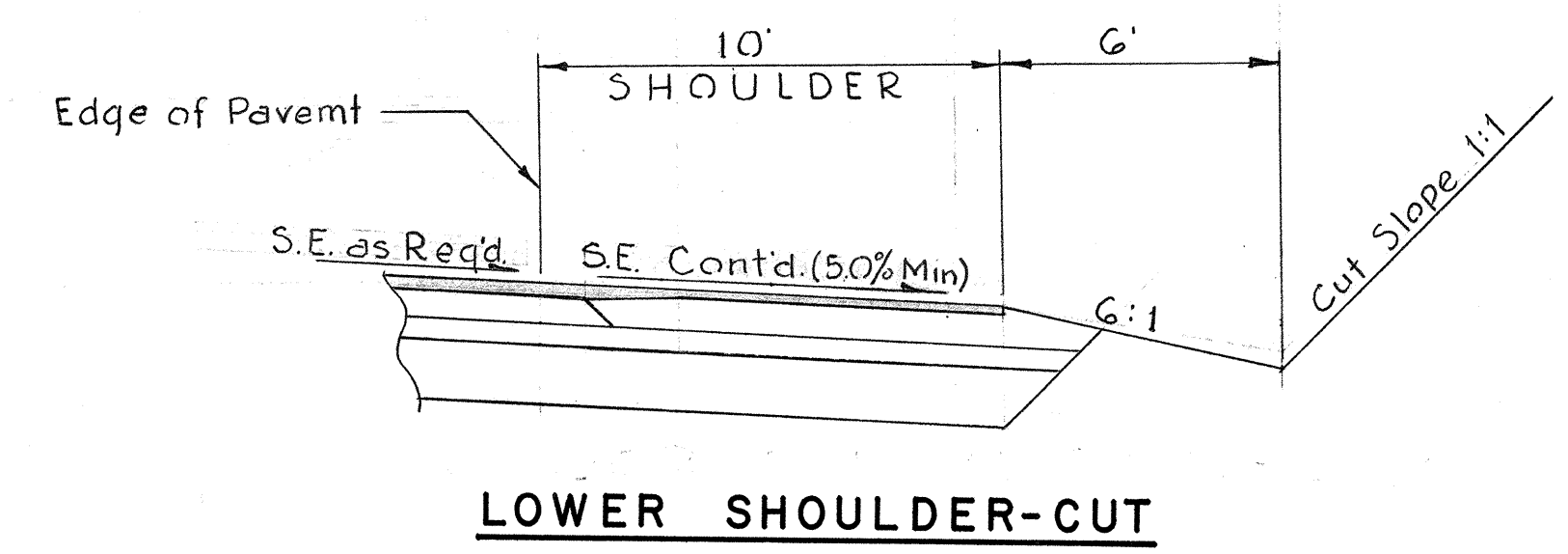
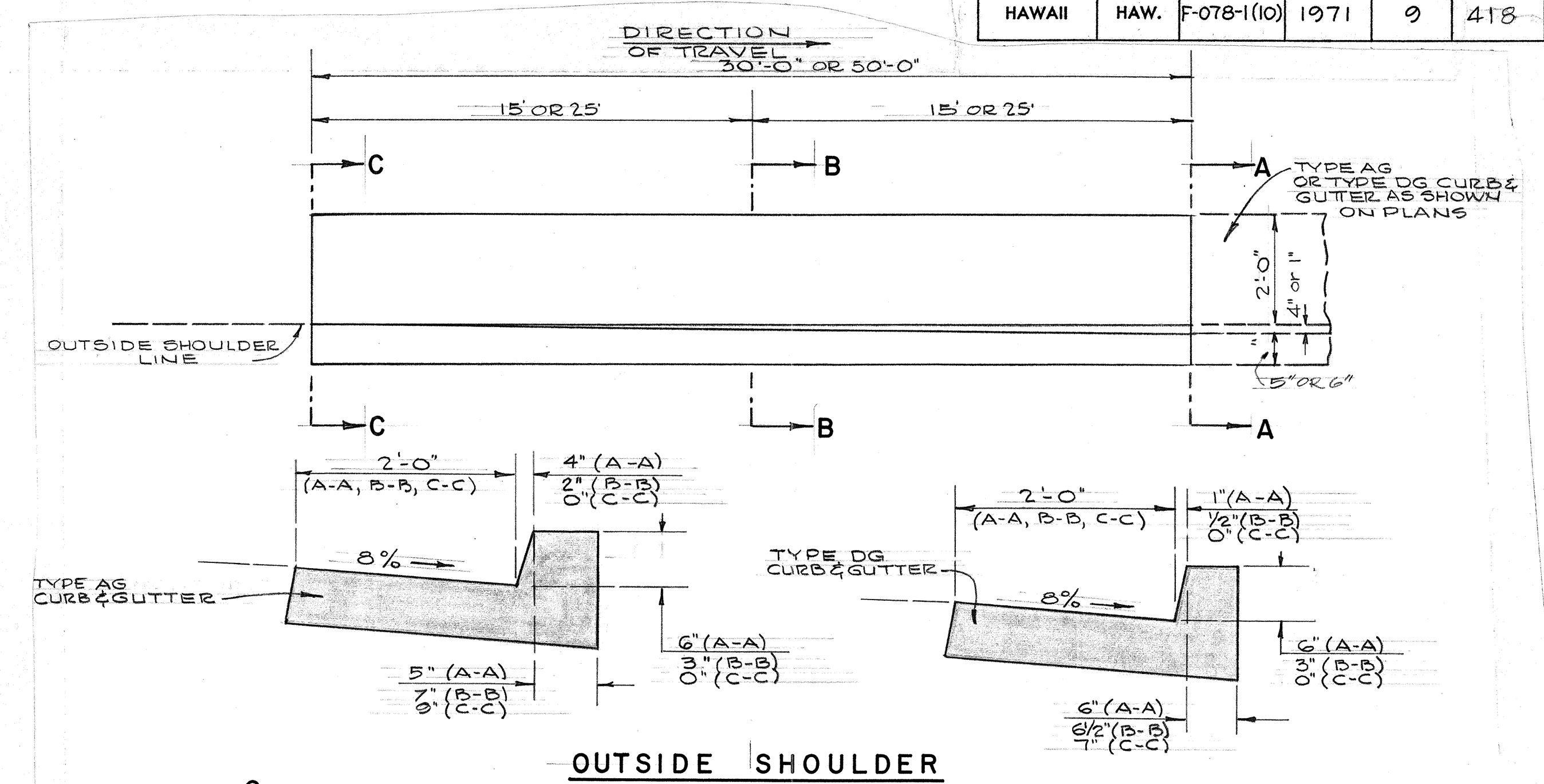
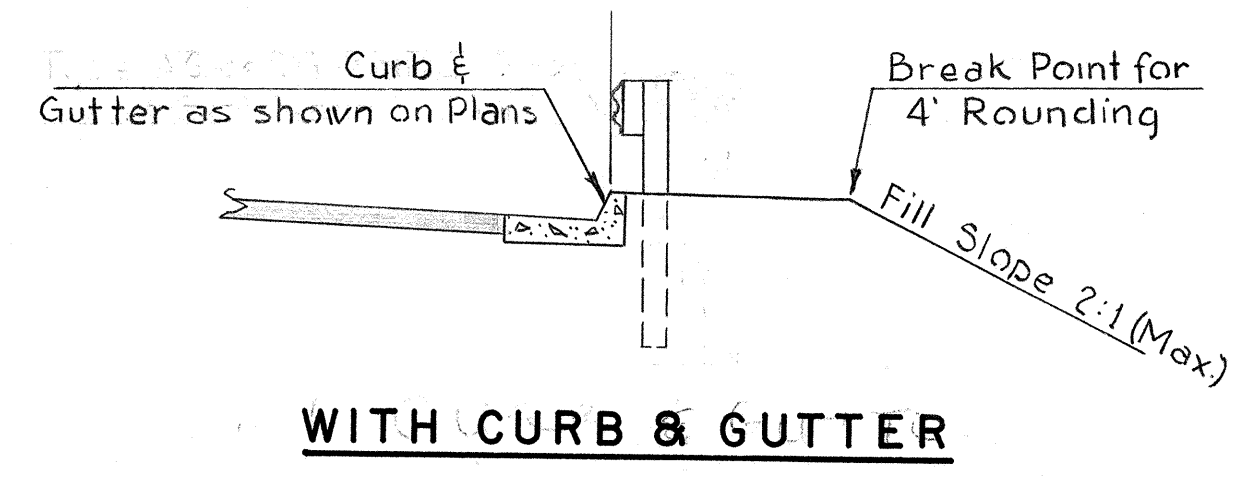
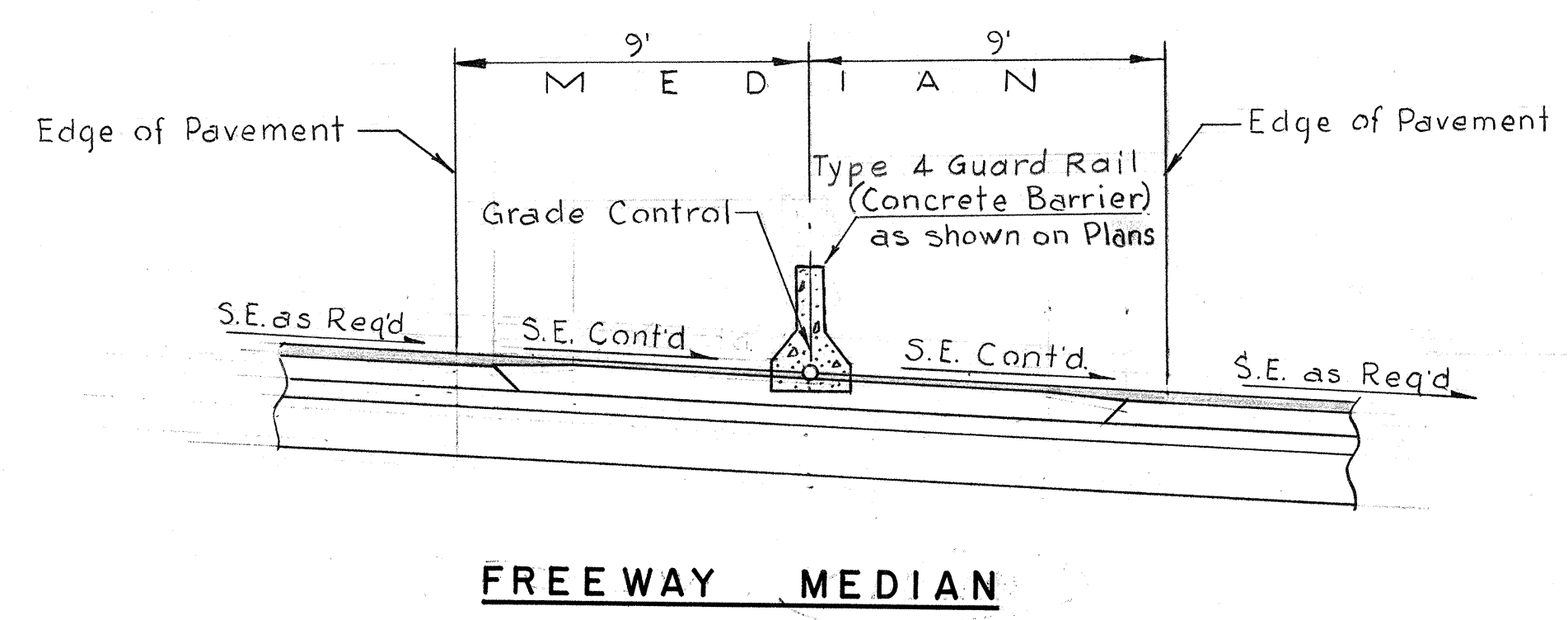
F.A. Proj. No. F-078-1(10)

Scale-1/4"=1'-0" Date: JAN 1971

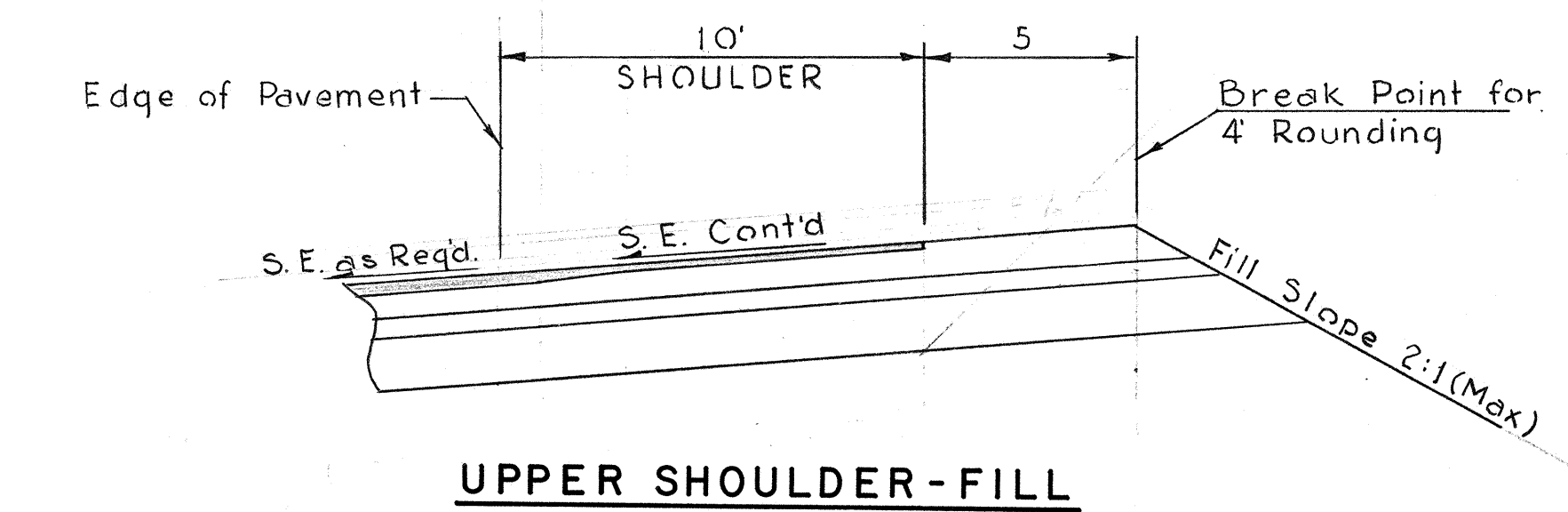
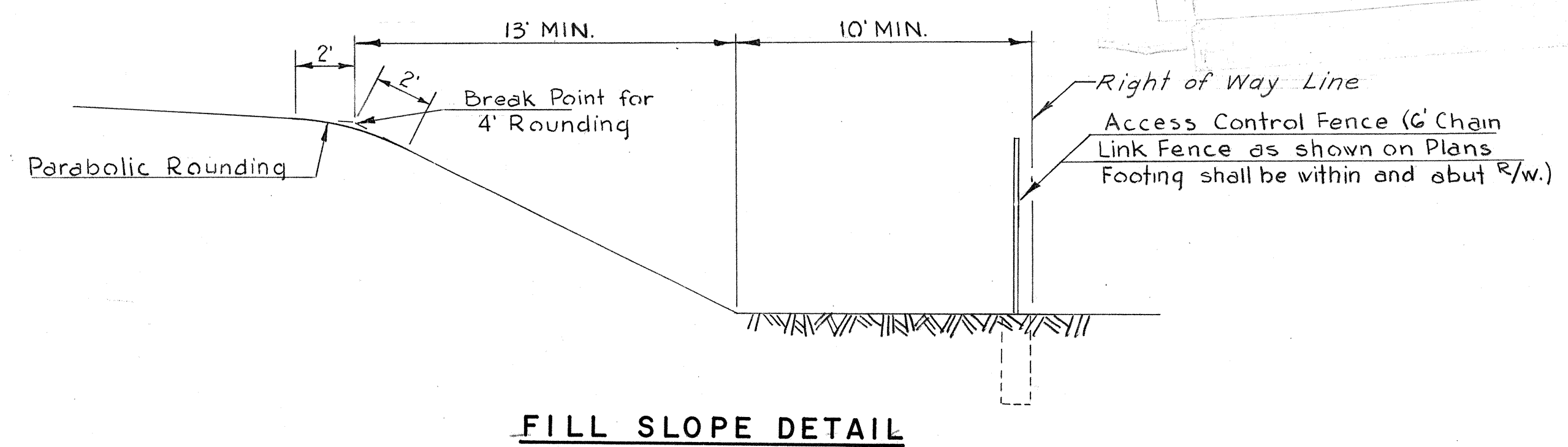
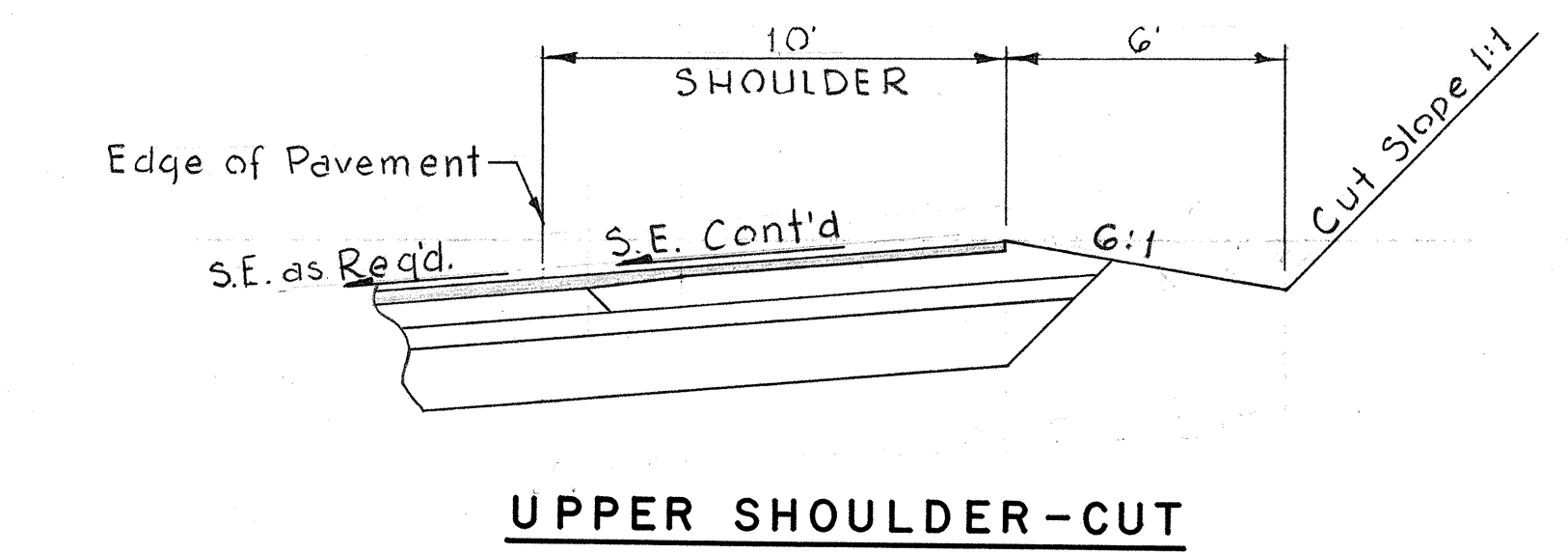
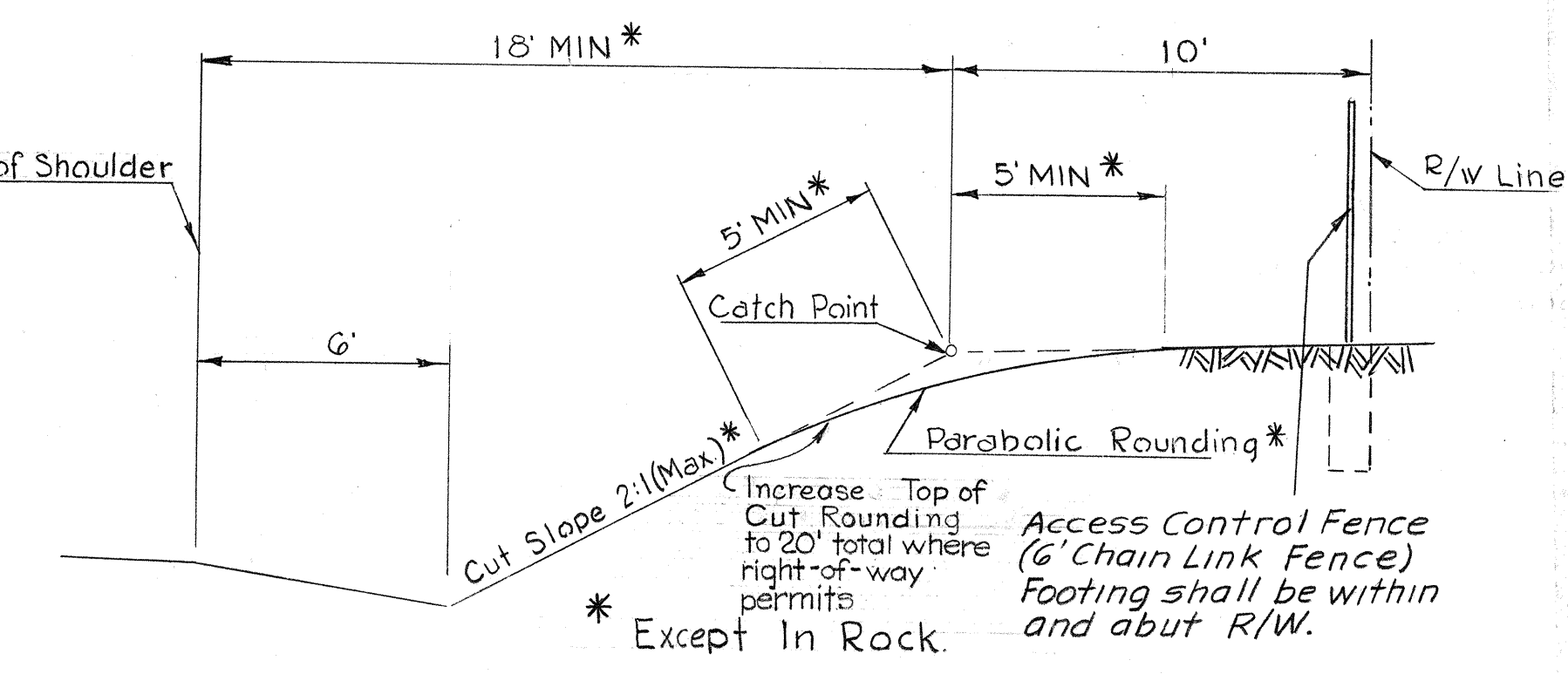
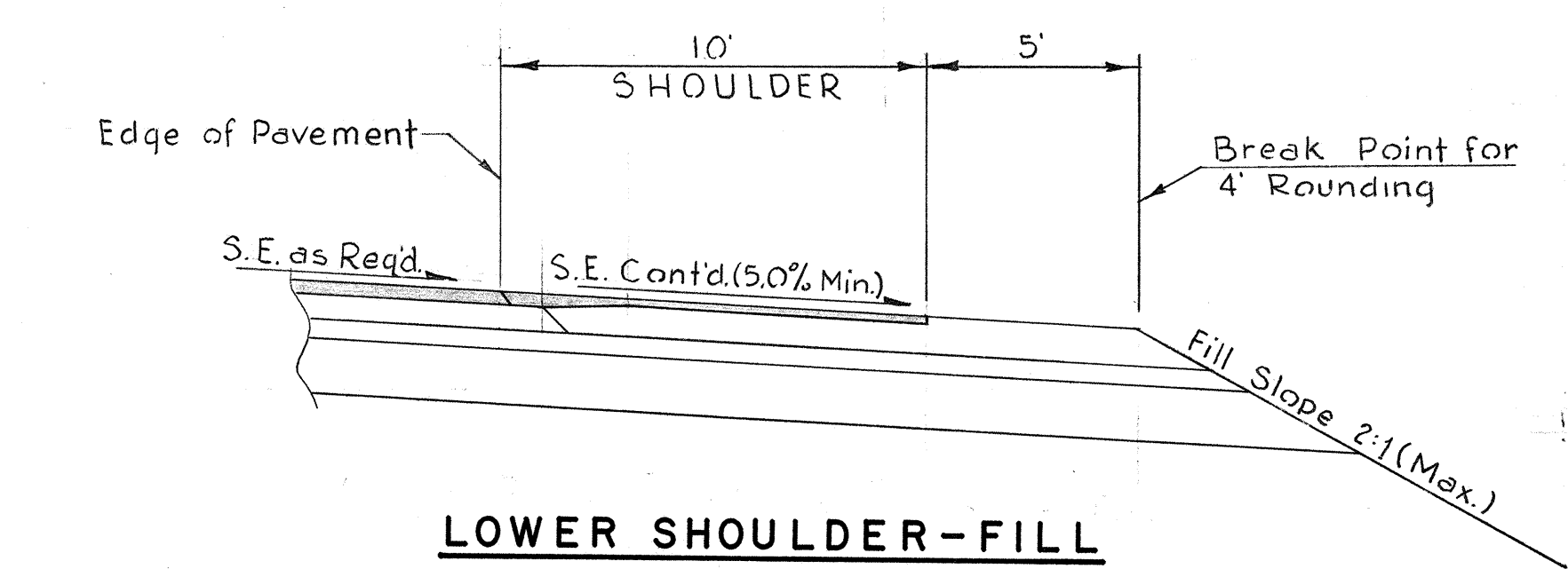
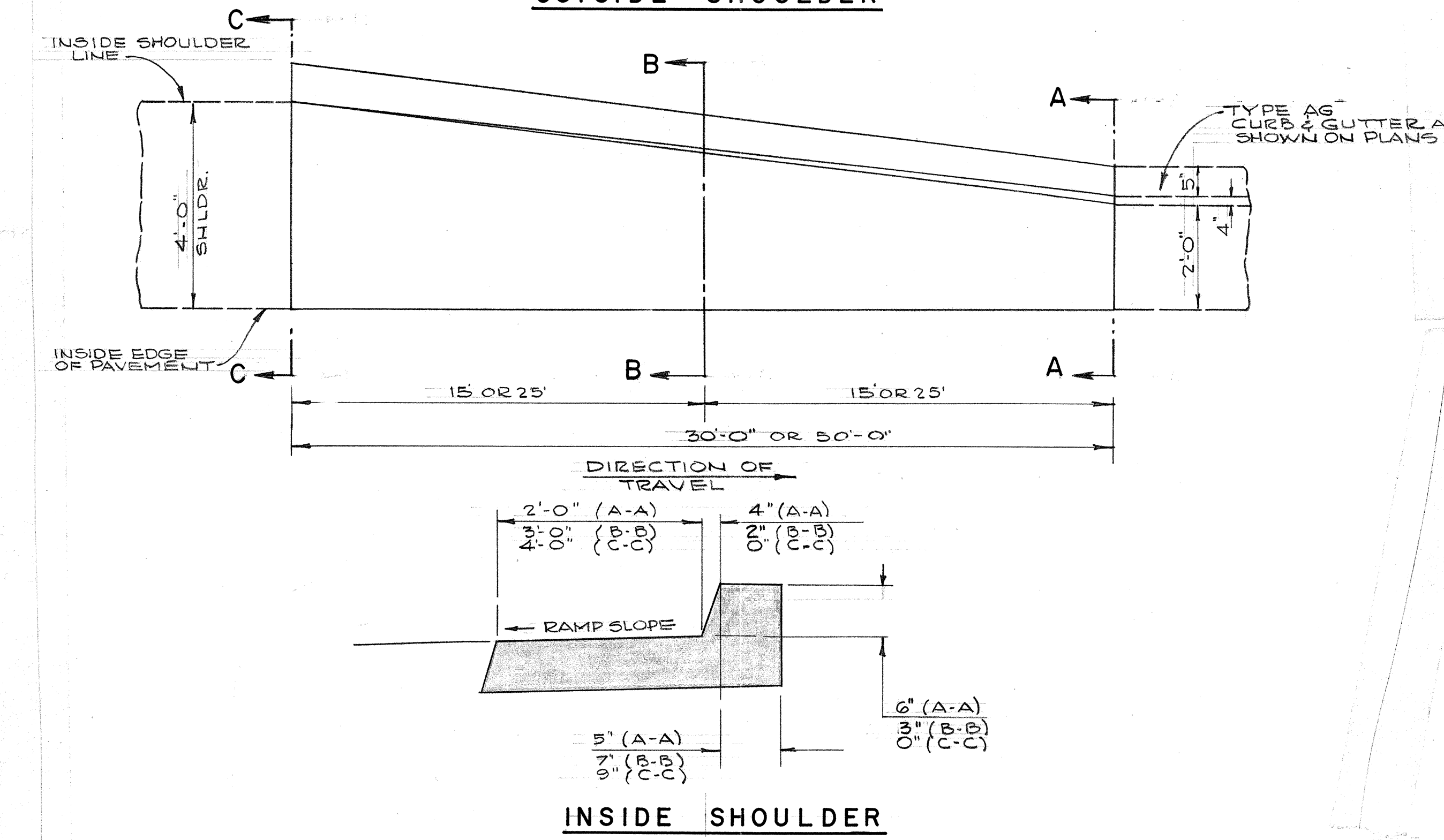
**ALSO PARK ROAD**

**SHEET No. 7 OF 8 SHEETS**

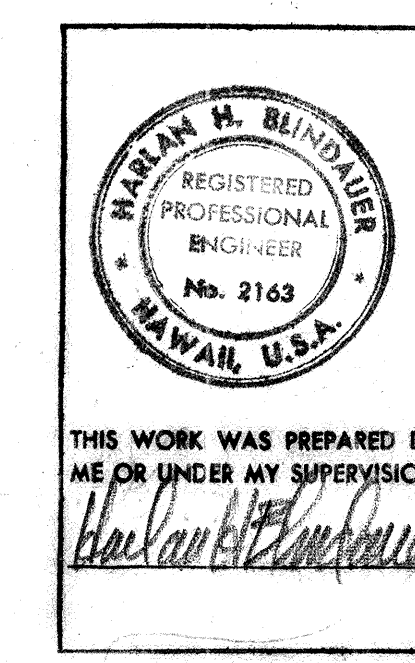
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | F-078-1(10)        | 1971        | 9         | 418          |



**GUARD RAIL DETAIL**



**TYPICAL SECTIONS - SUPERELEVATION CONDITION**



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL SECTIONS  
SPECIAL DETAILS**  
F.A. Proj. No. F-078-1(10)  
Scale - 1/4" = 1'-0"  
Date: JAN 1971

SHEET No. 8 OF 8 SHEETS

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DESIGNED BY       |      |
| NOTED BY          |      |
| CHECKED BY        |      |
| ORIGINAL PLAN     |      |
| NOTE BOOK         |      |
| No.               |      |