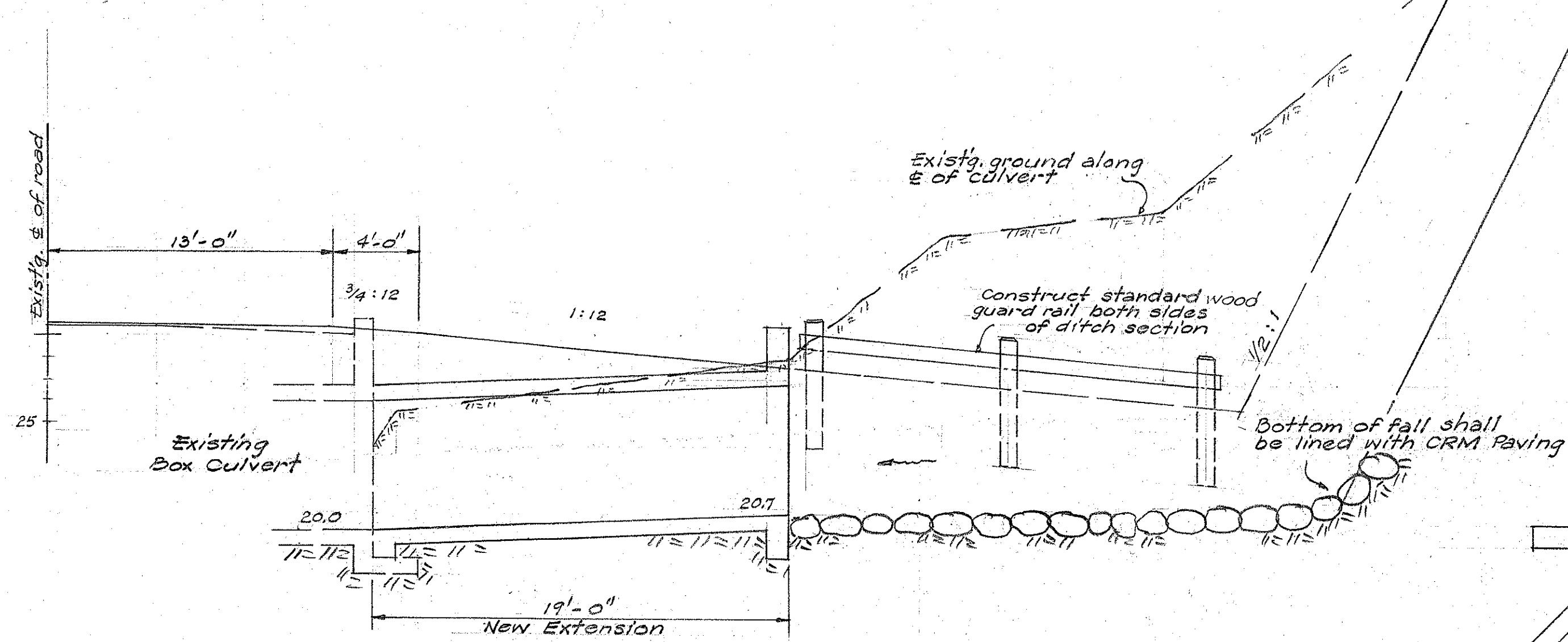


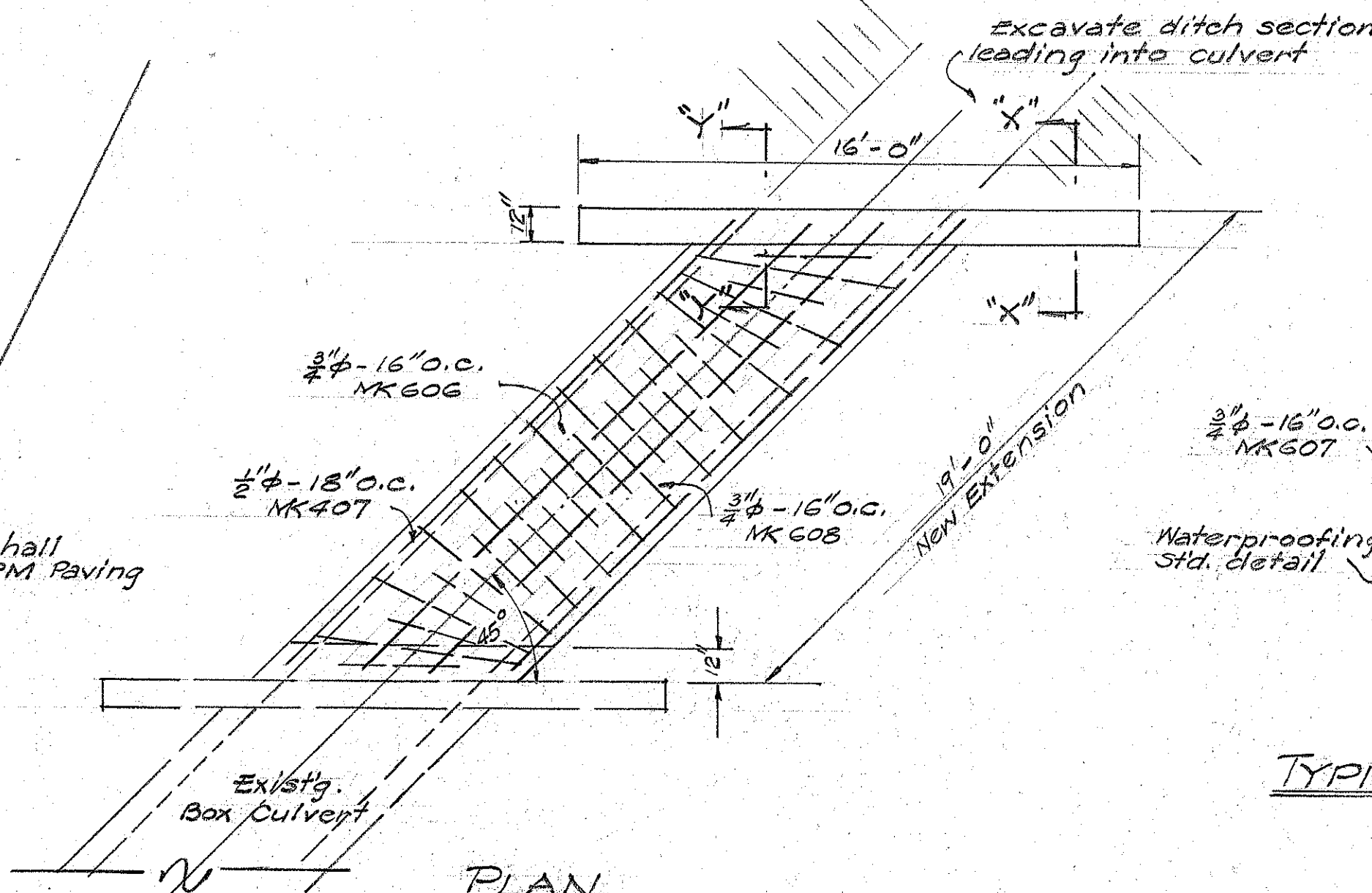


CROSS SECTION ALONG  $\pm$  OF CULVERT

1" = 5'-0"

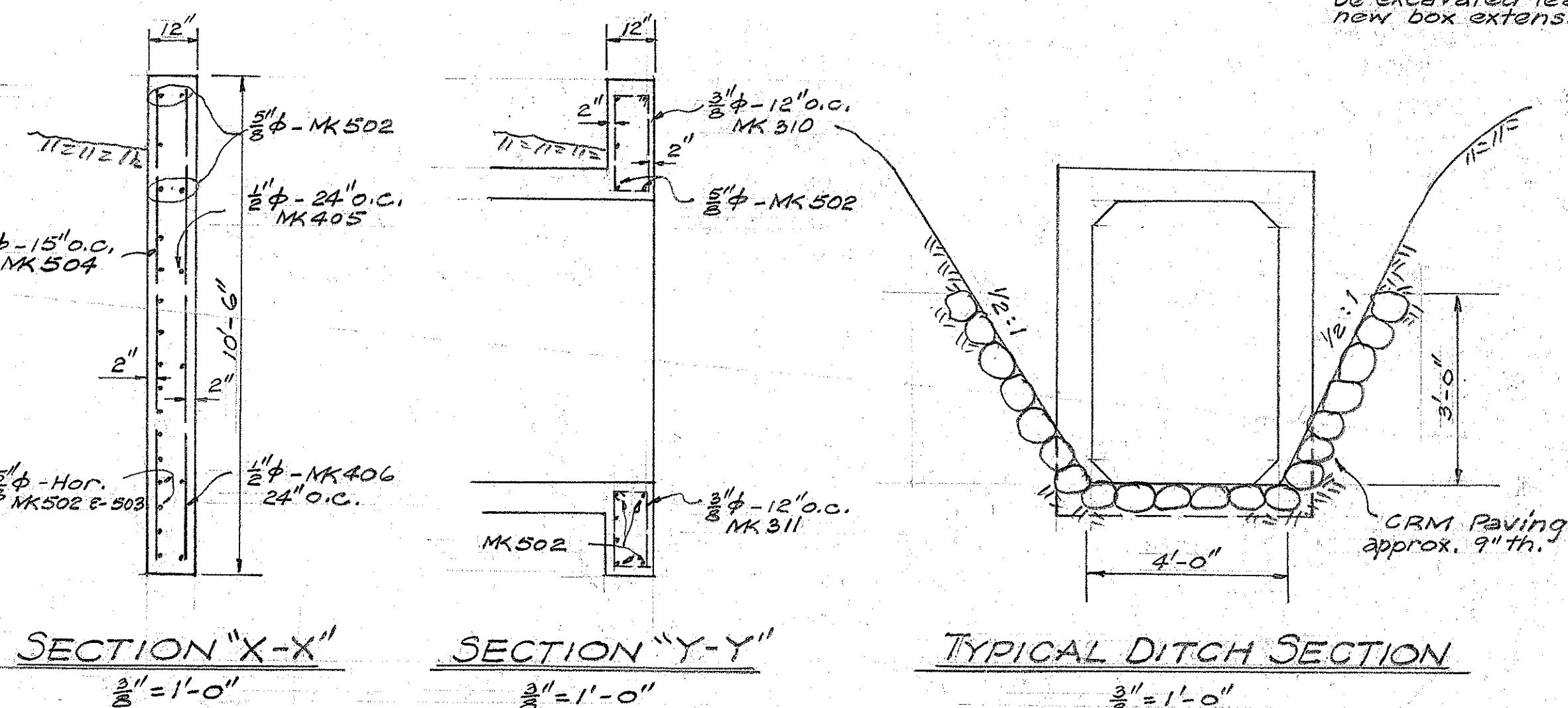
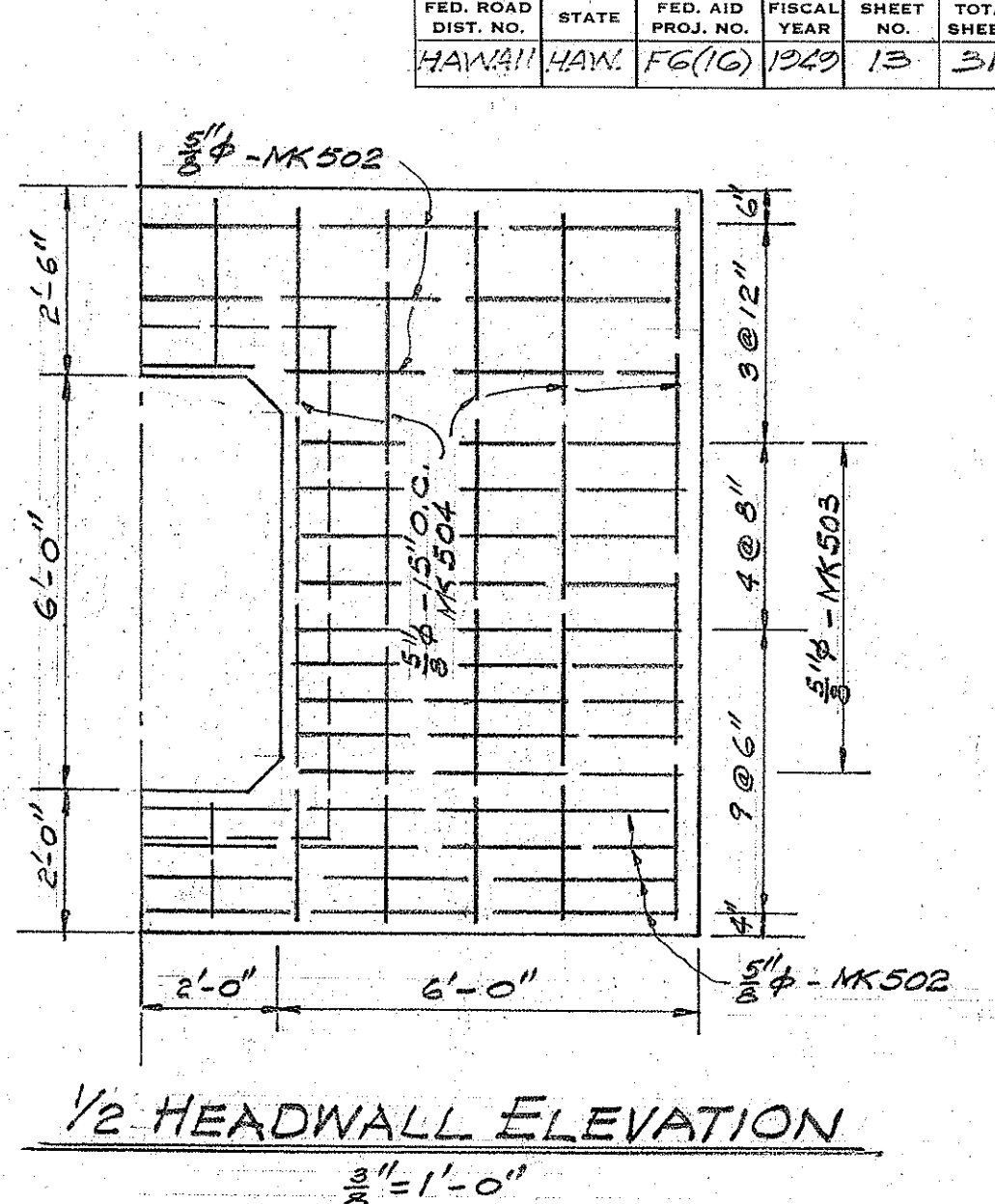
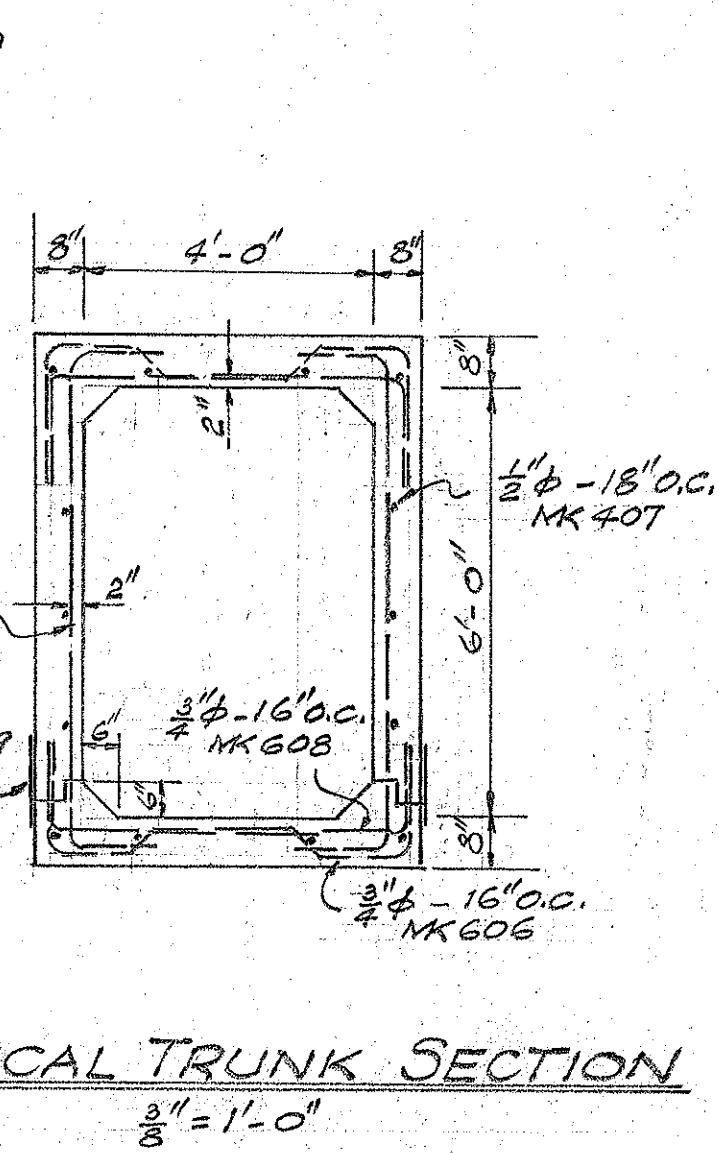
Note:

Existing Box Culvert shall be cleaned of all debris & new ditch section shall be excavated leading into new box extension.



PLAN

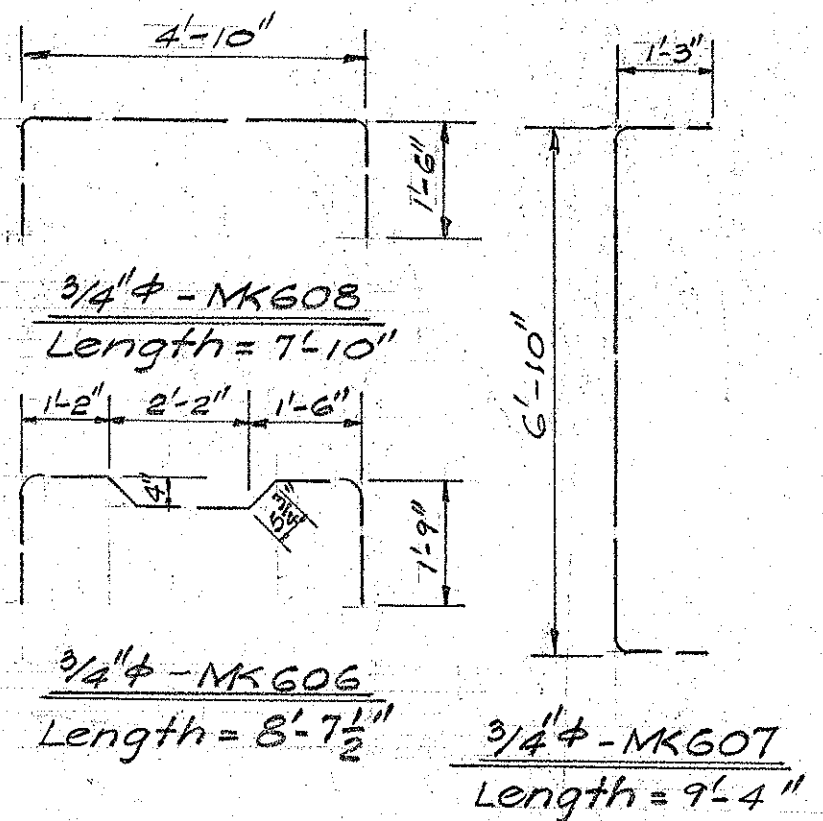
1/4" = 1'-0"



SECTION "X-X"

SECTION "Y-Y"

TYPICAL DITCH SECTION



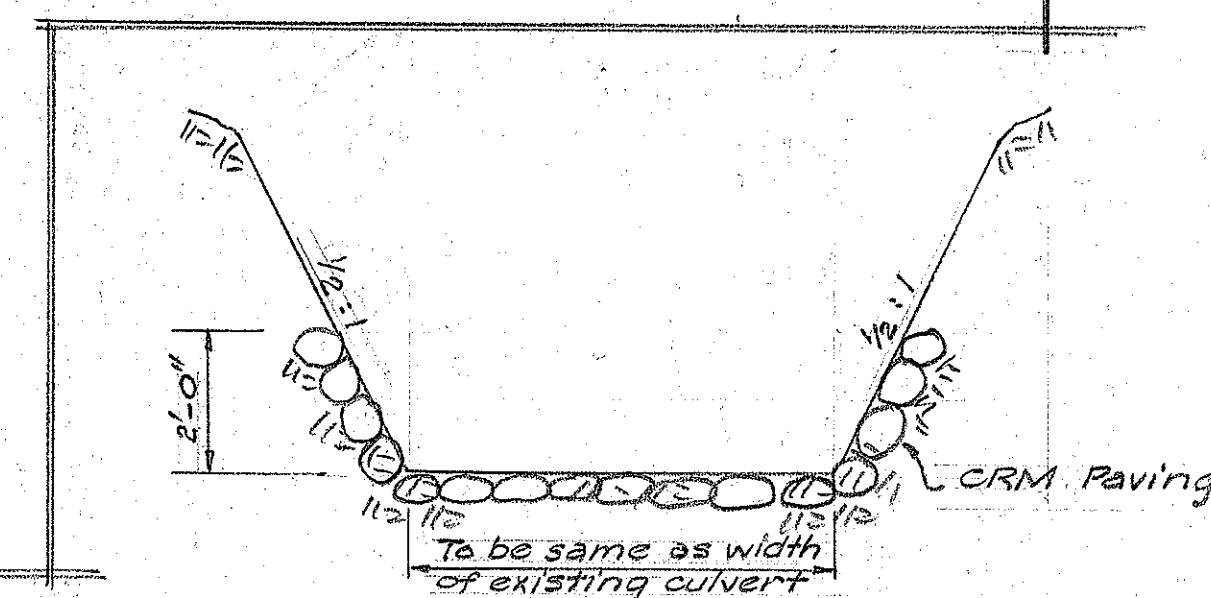
| ESTIMATED QUANT. |            |
|------------------|------------|
| Class "A" Conc.  | 15.7 C.Y.  |
| Reinf. Steel     | 1788 lb.   |
| CRM Paving       | 3.9 C.Y.   |
| STRU. EXC.       | 51.3 C.Y.  |
| Uncl. EXC.       | 233.5 C.Y. |

DETAILS FOR EXTENSION OF 42x62 BOX CULVERT

STA. 69+88

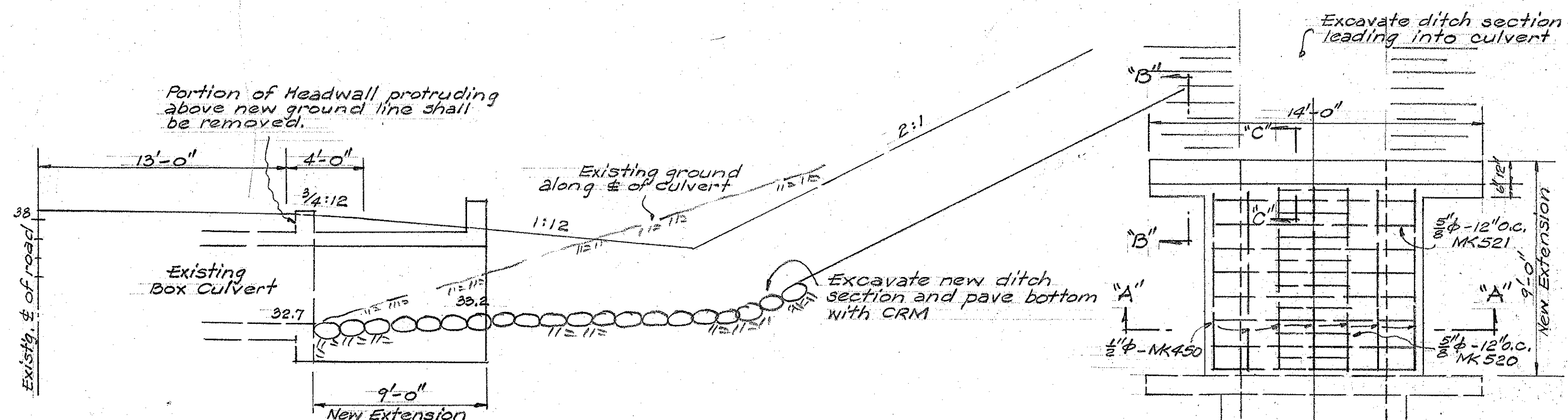
Scale: As Noted

| ESTIMATED QUANT. |           |
|------------------|-----------|
| Class "A" Conc.  | 13.8 C.Y. |
| Reinf. Steel     | 347 lb.   |
| CRM Paving       | 7.6 C.Y.  |
| STRU. EXC.       | 4.2 C.Y.  |
| Uncl. EXC.       | 95.8 C.Y. |



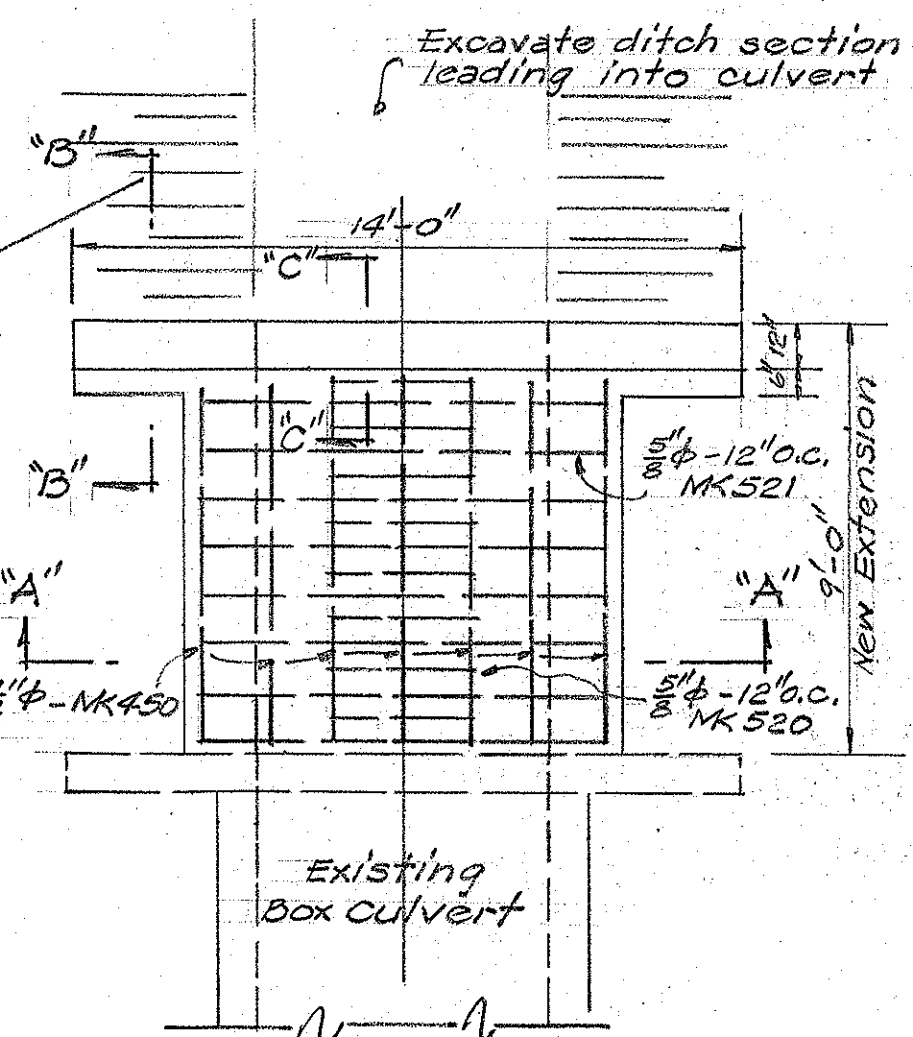
TYPICAL DITCH SECTION

3/8" = 1'-0"



CROSS SECTION ALONG  $\pm$  OF CULVERT

1" = 5'-0"

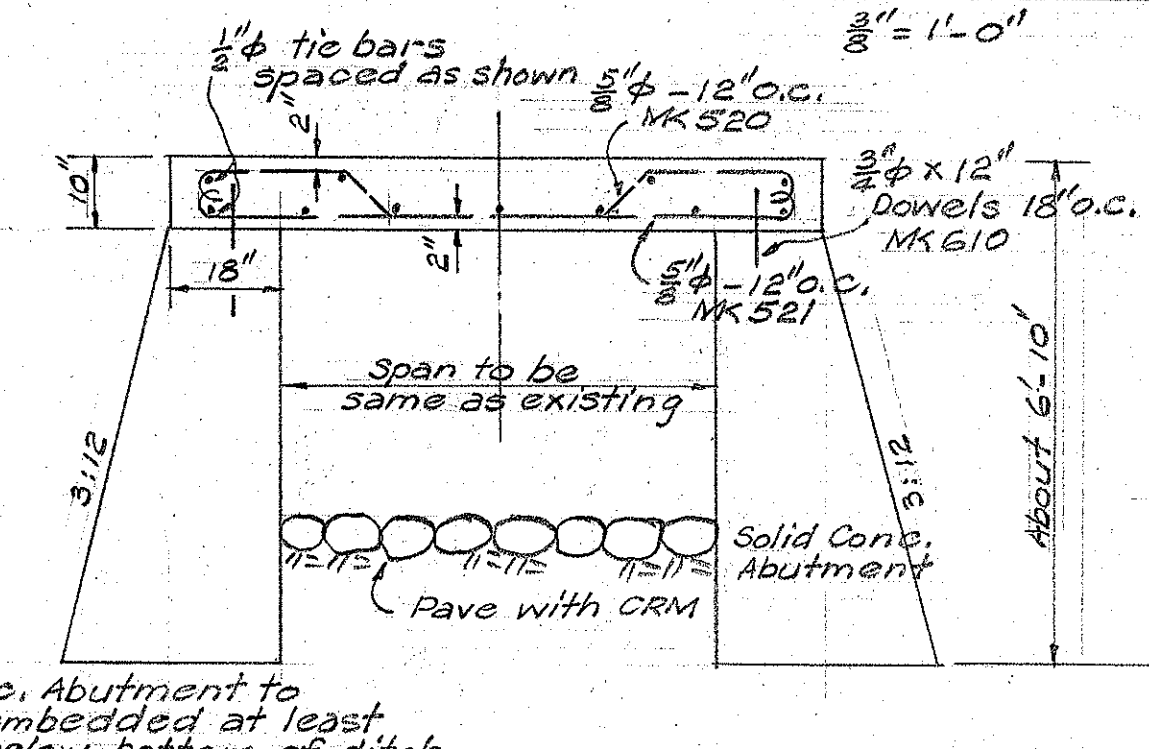


PLAN

1/4" = 1'-0"

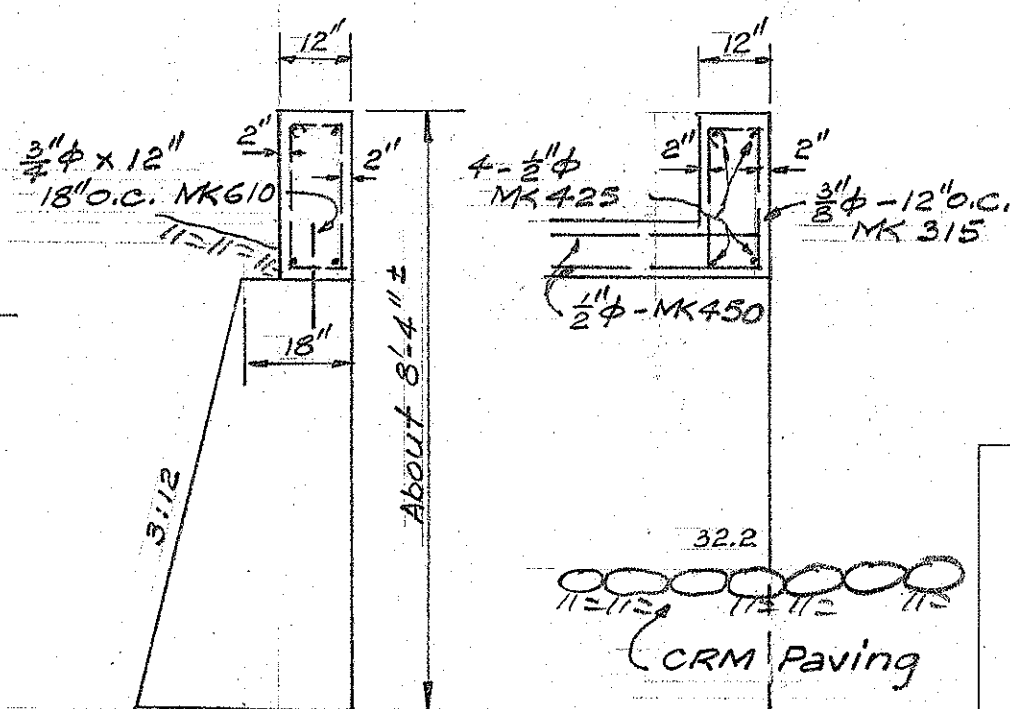
DETAILS FOR EXTENSION OF BOX CULVERT

STA. 84+06



SECTION "A-A"

3/8" = 1'-0"



SECTION "B-B"

3/8" = 1'-0"

SECTION "C-C"

3/8" = 1'-0"

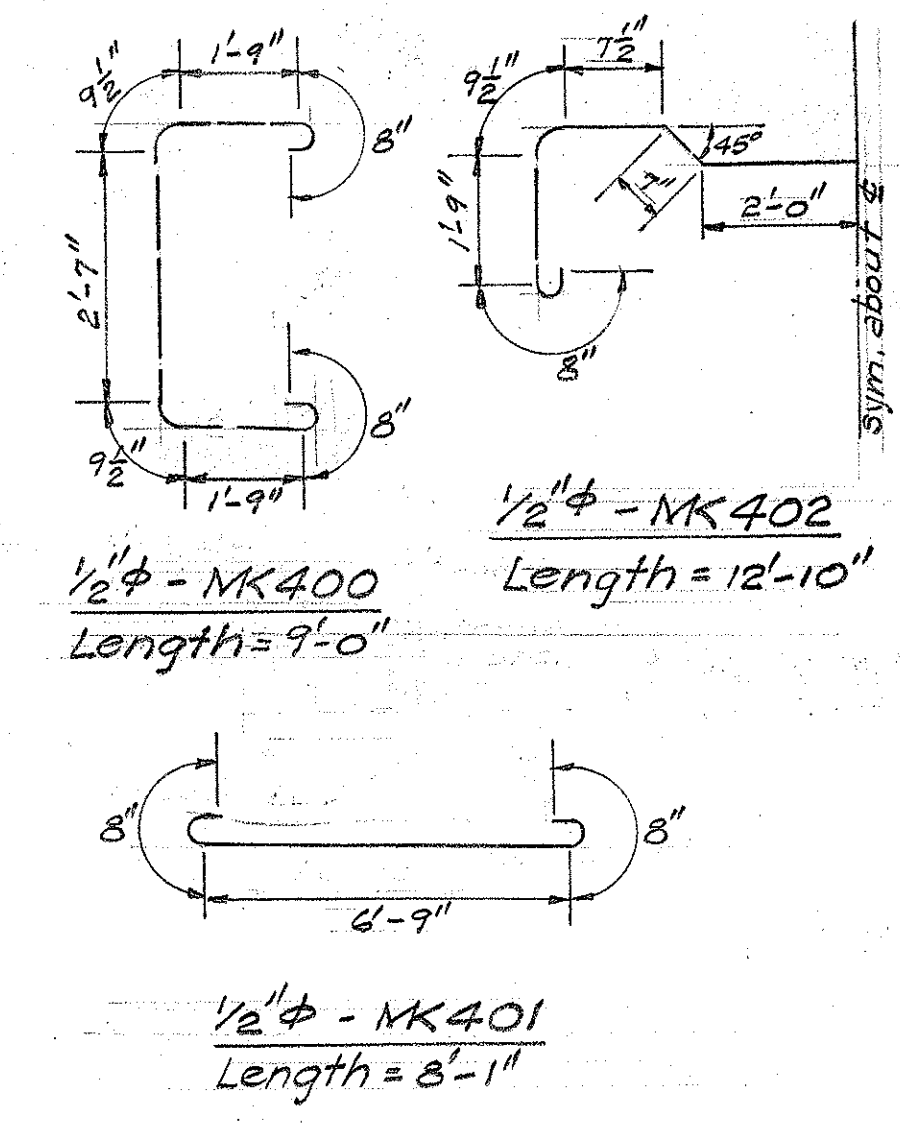
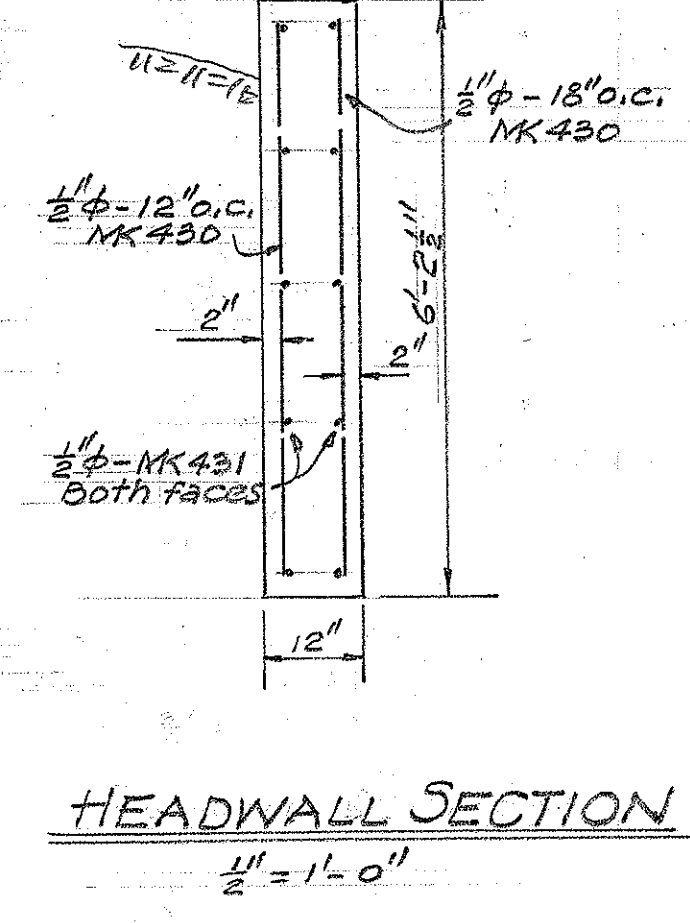
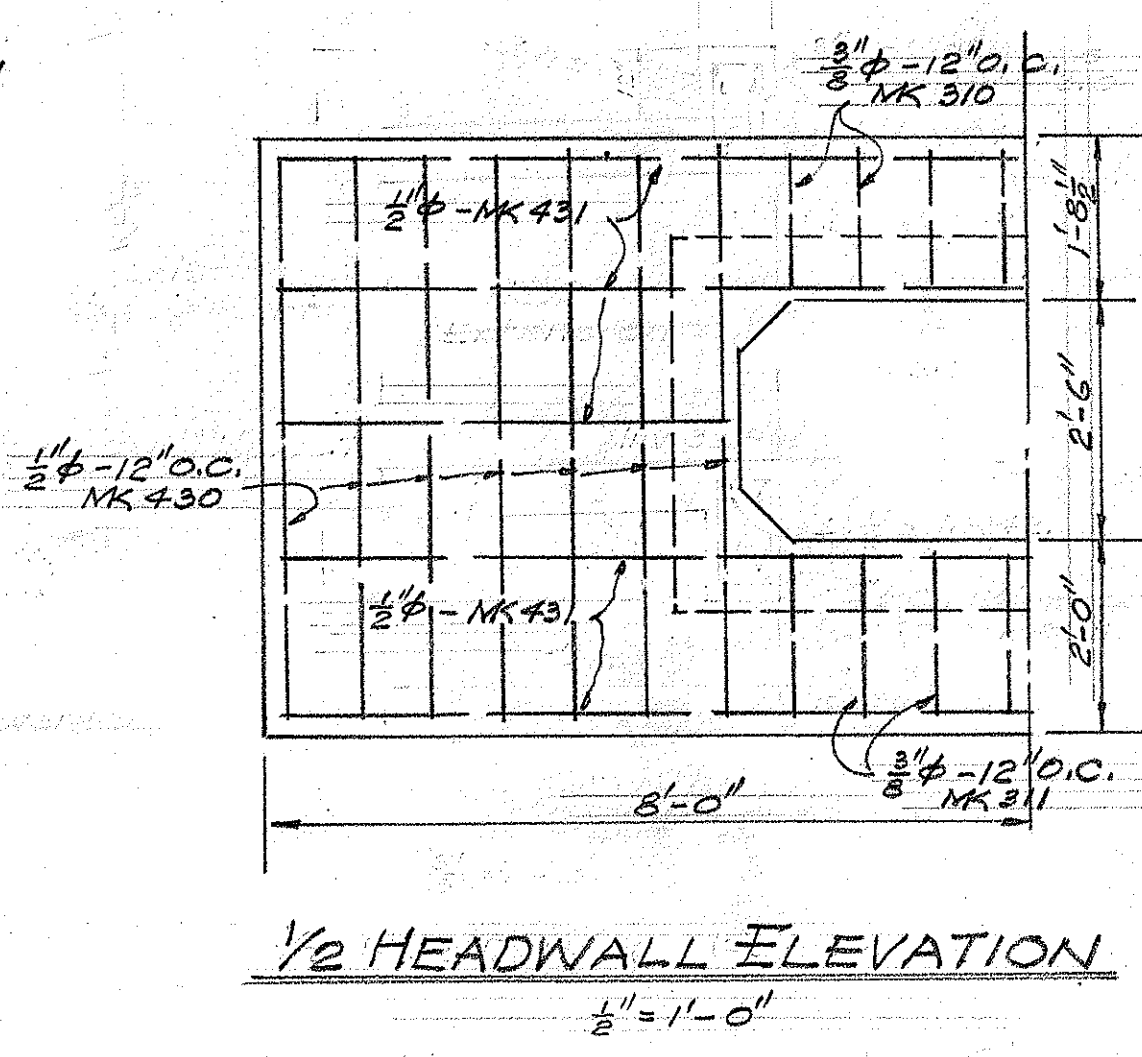
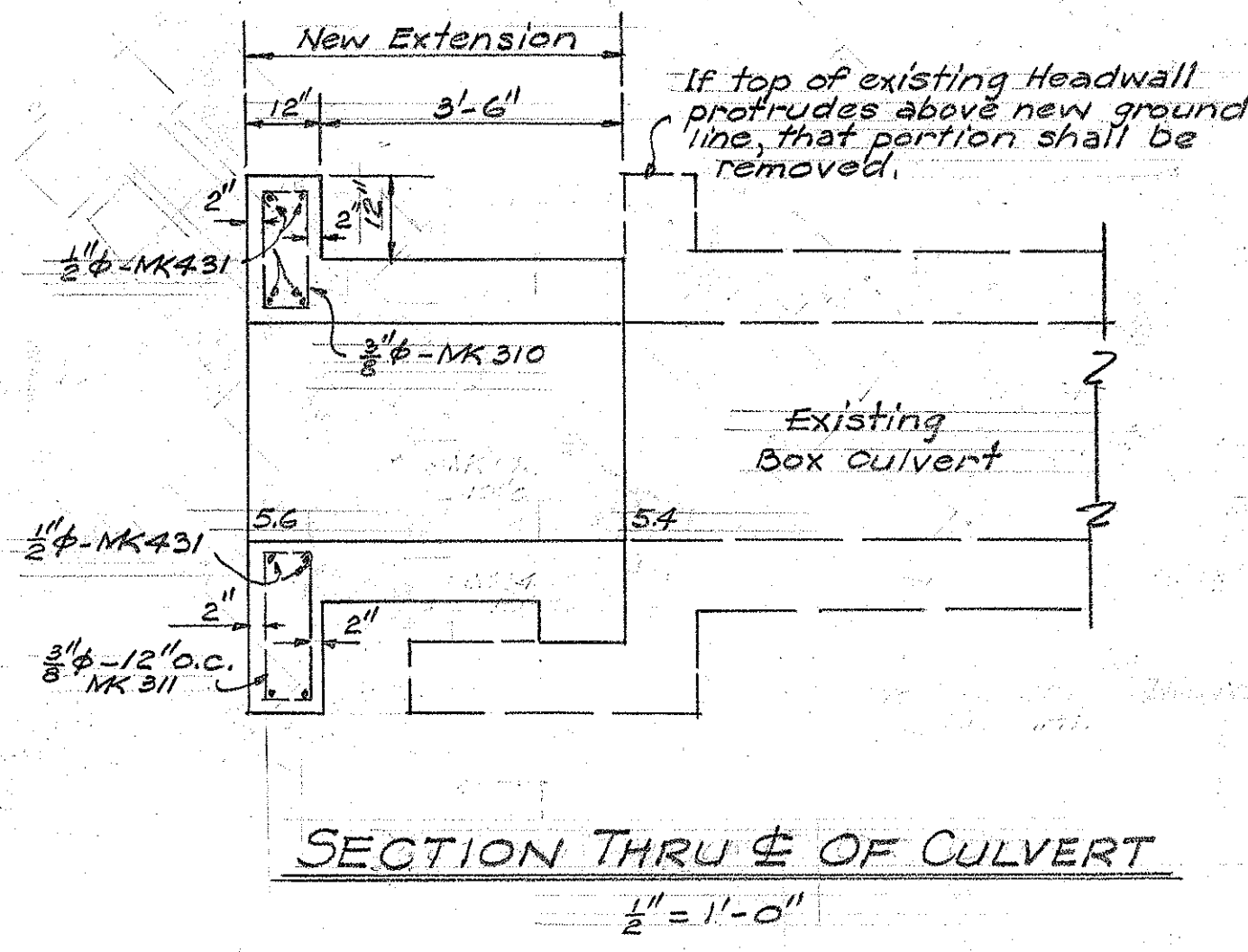
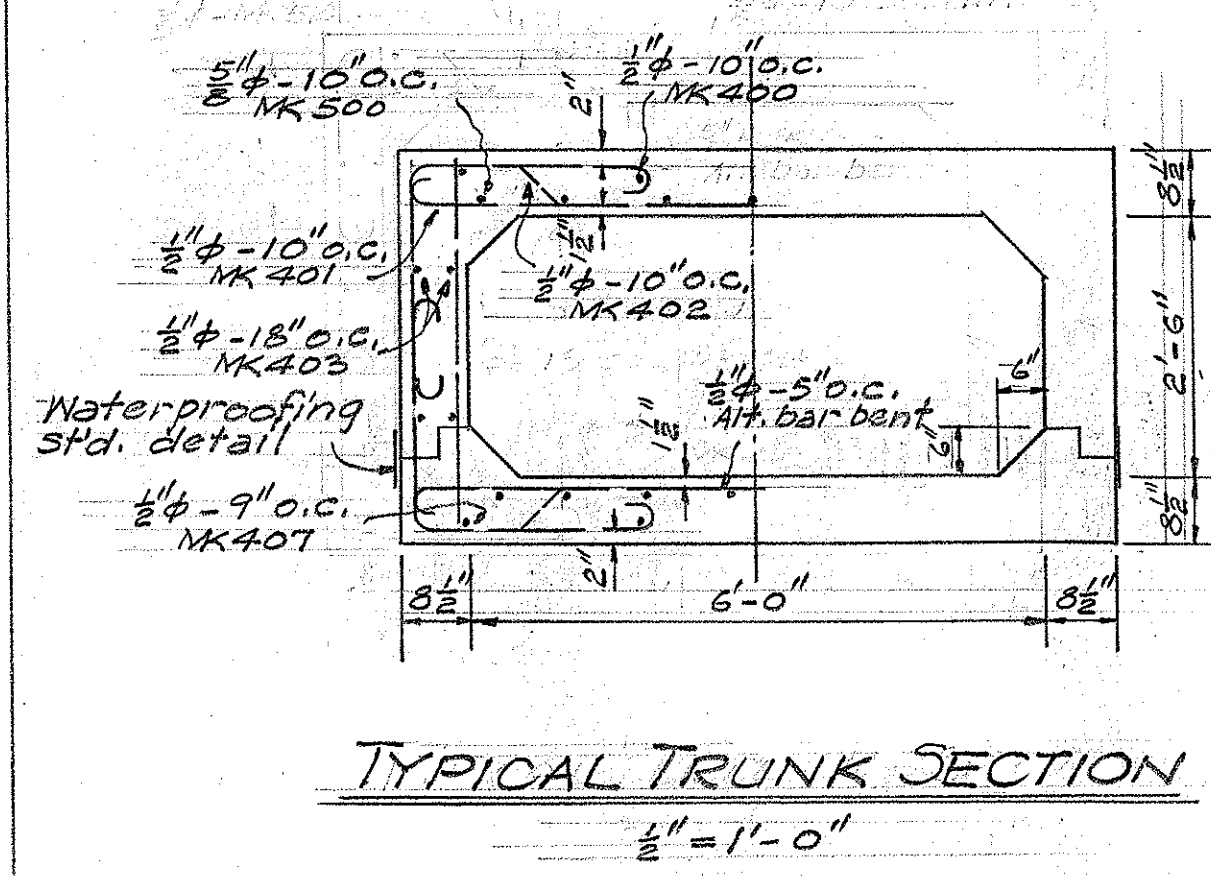
TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII

DETAILS FOR EXTENSION OF  
BOX CULVERTS AT STA. 69+88  
AND STA. 84+06

FEDERAL AID PROJECT-FG(16)

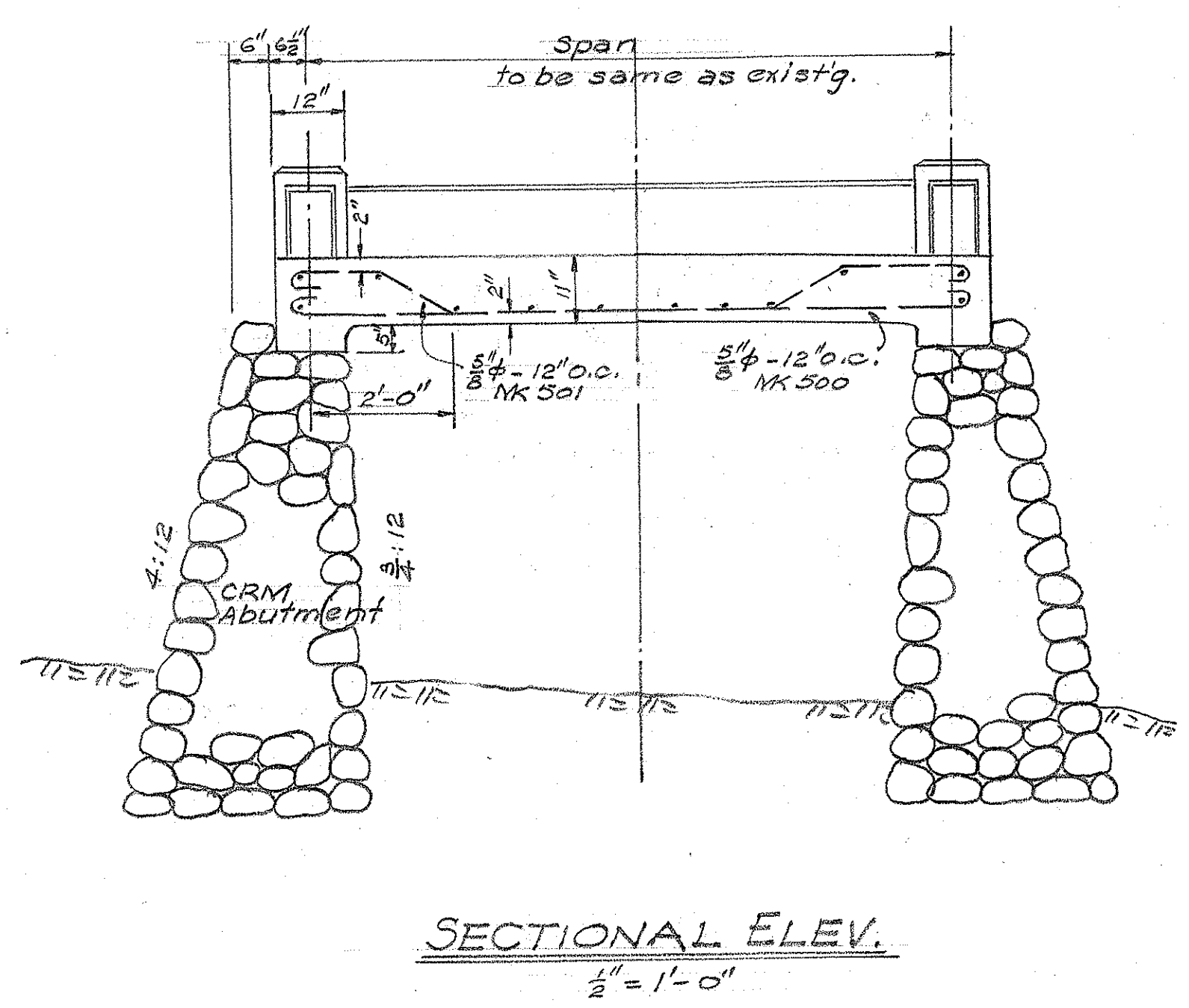
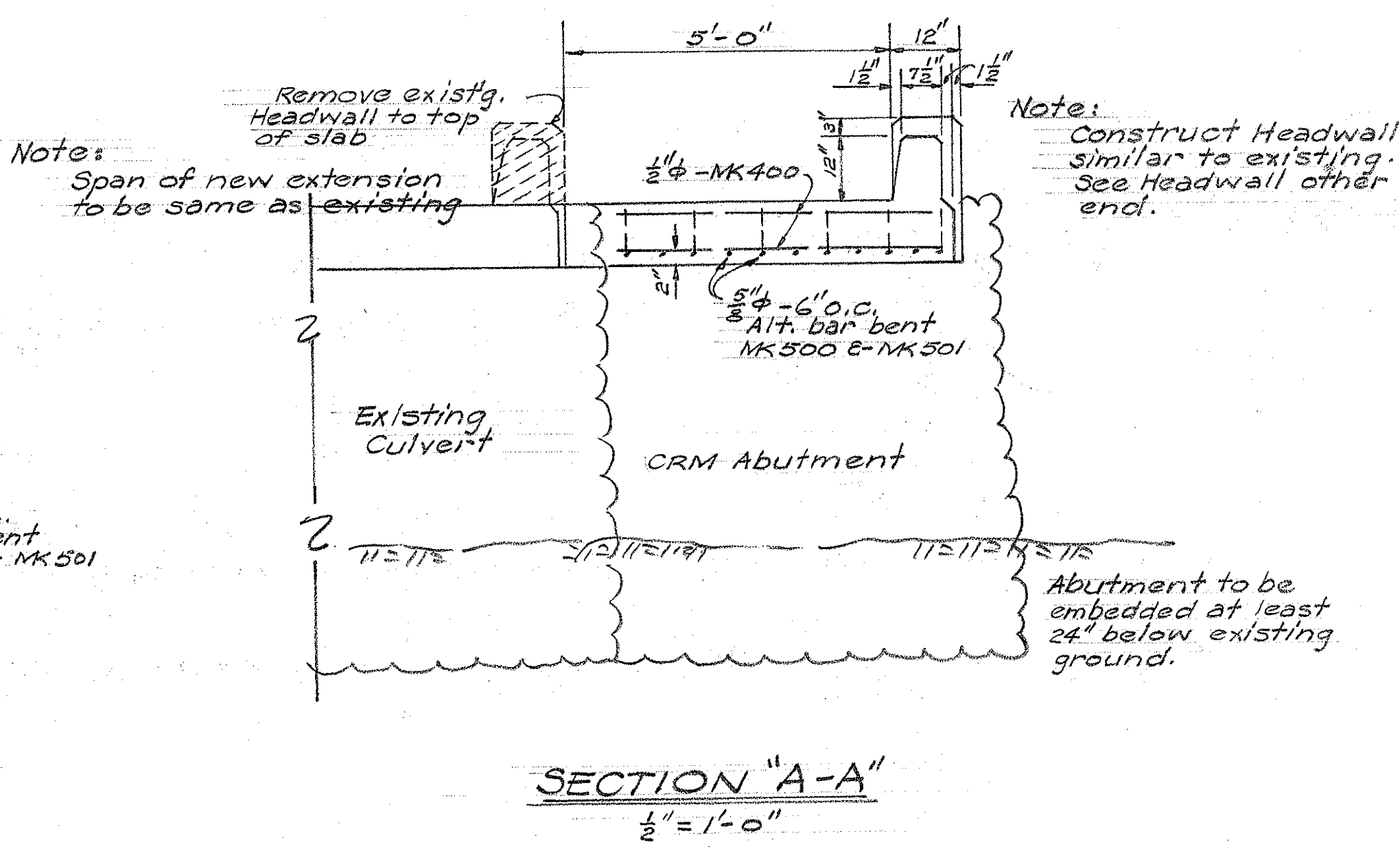
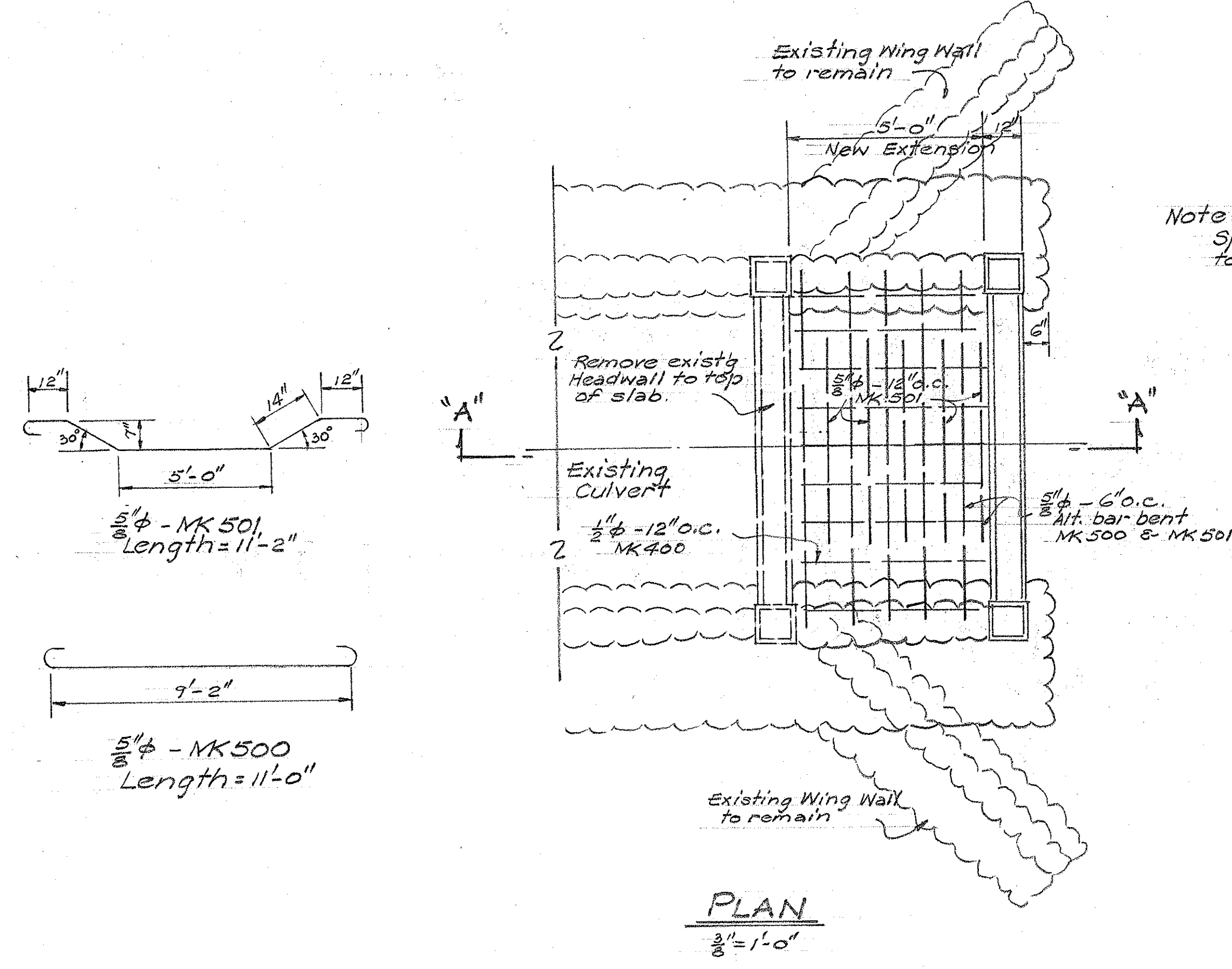
SHEET NO. OF SHEETS

5340.13



**DETAILS FOR EXTENSION OF 6' x 2' BOX CULVERT**  
**STA. 57+10**

58+10



**DETAILS FOR EXTENSION OF CULVERTS**  
**AT STA. 126+50; STA. 203+00; STA. 205+73**  
Scale: As Shown

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII  
**DETAILS FOR EXTENSION OF CULVERTS**  
WIDENING OF KALANIANAOLE HIGHWAY  
FEDERAL AID PROJECT - FG (16)