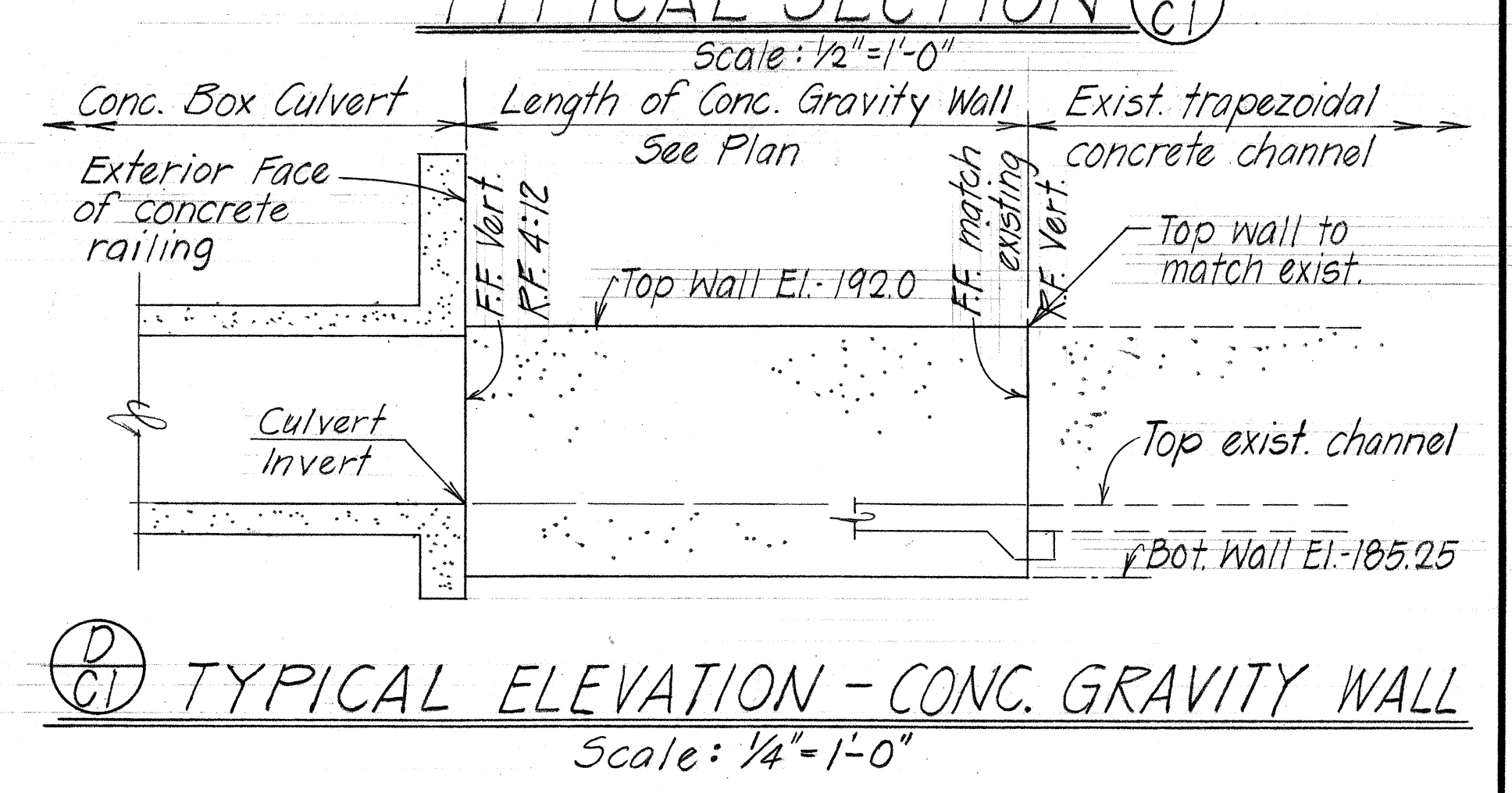
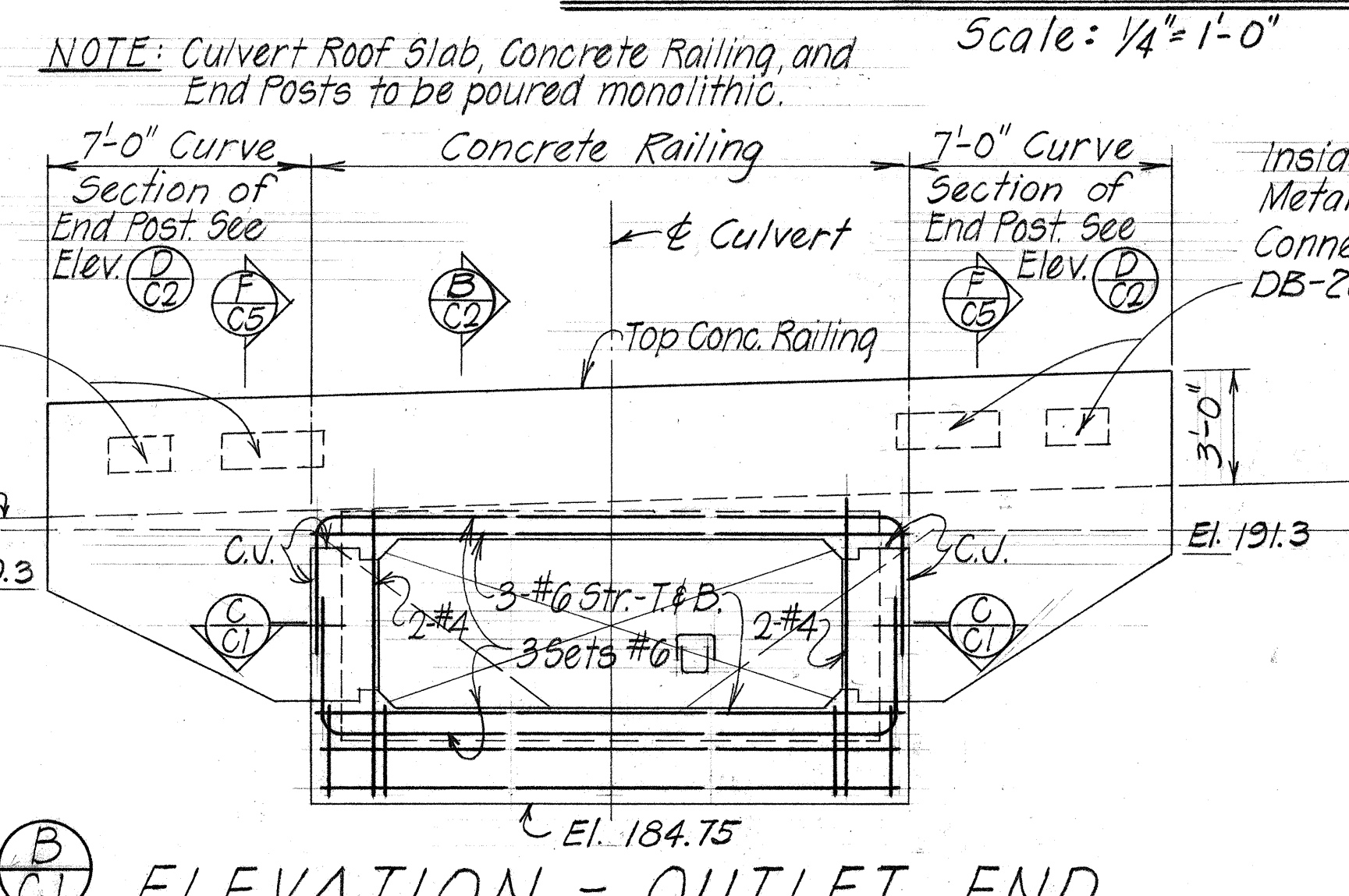
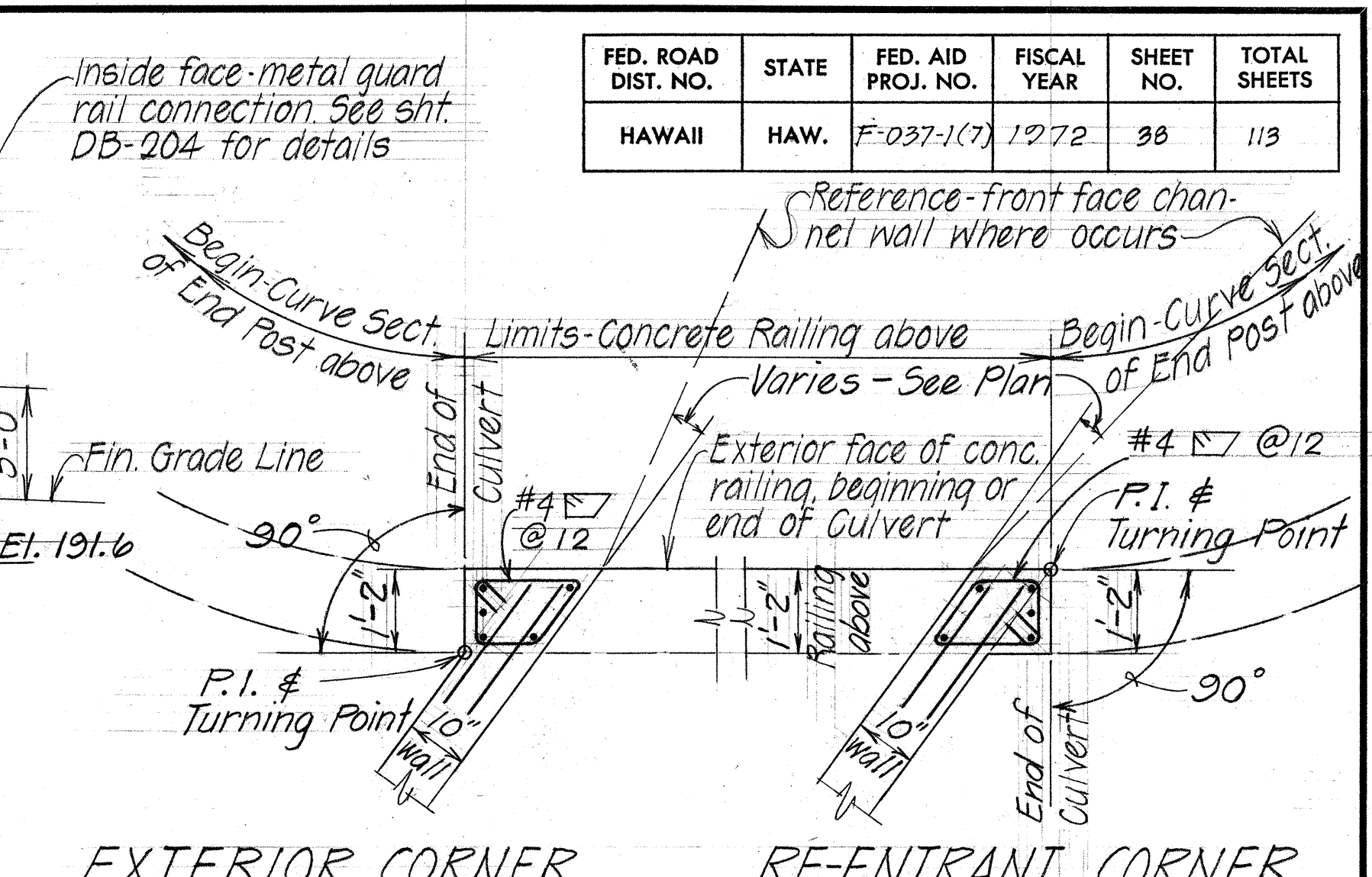
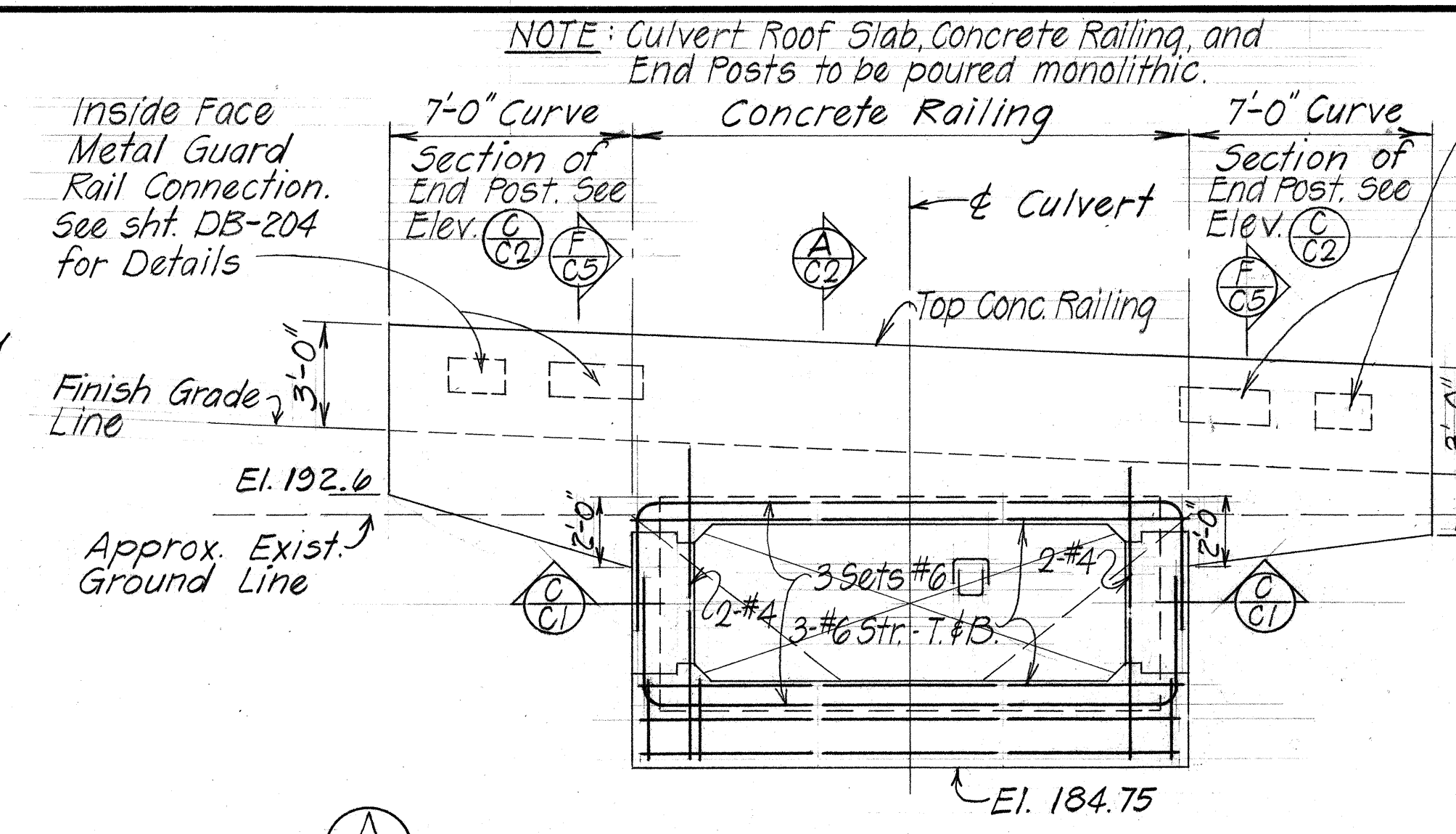
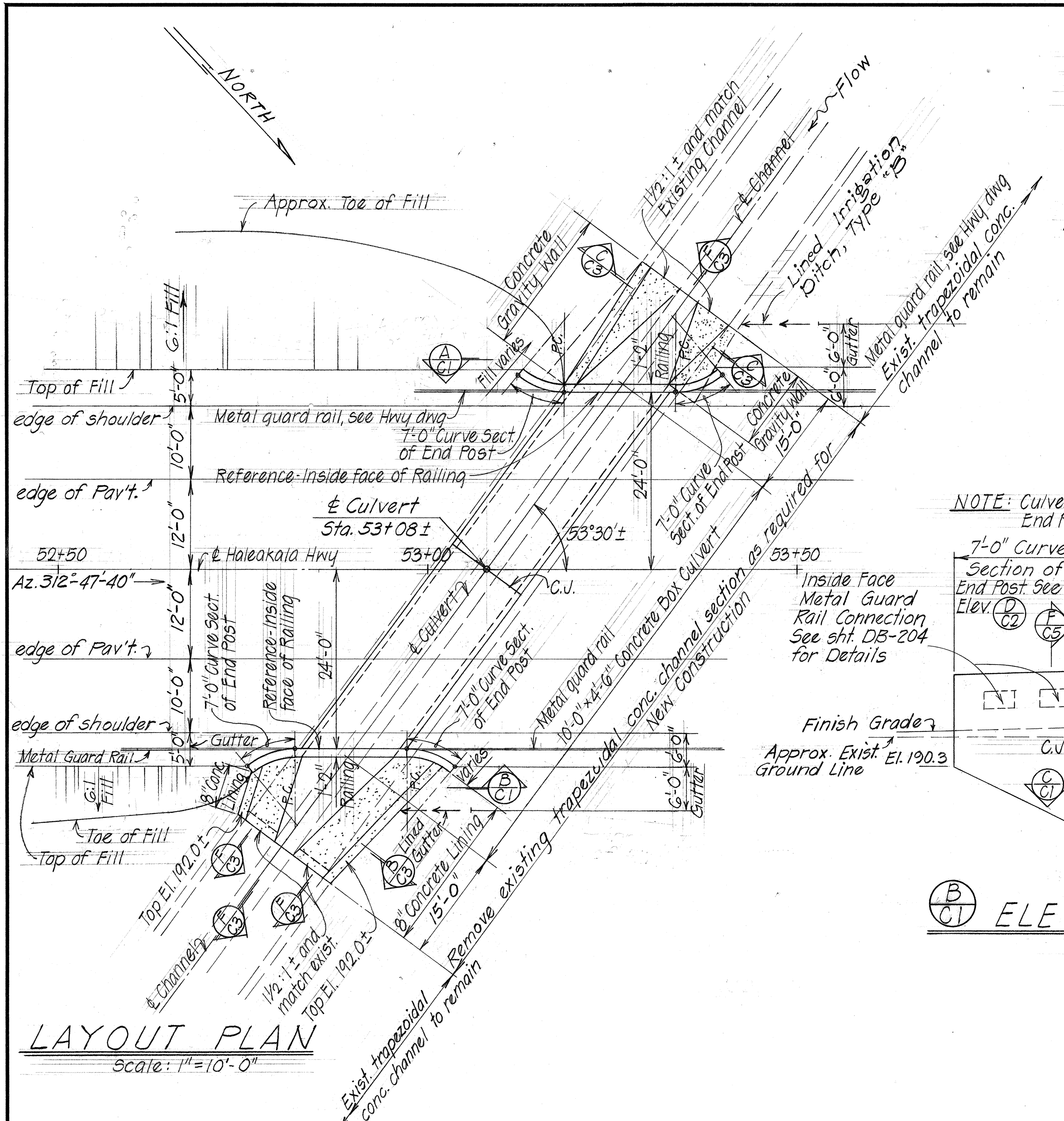
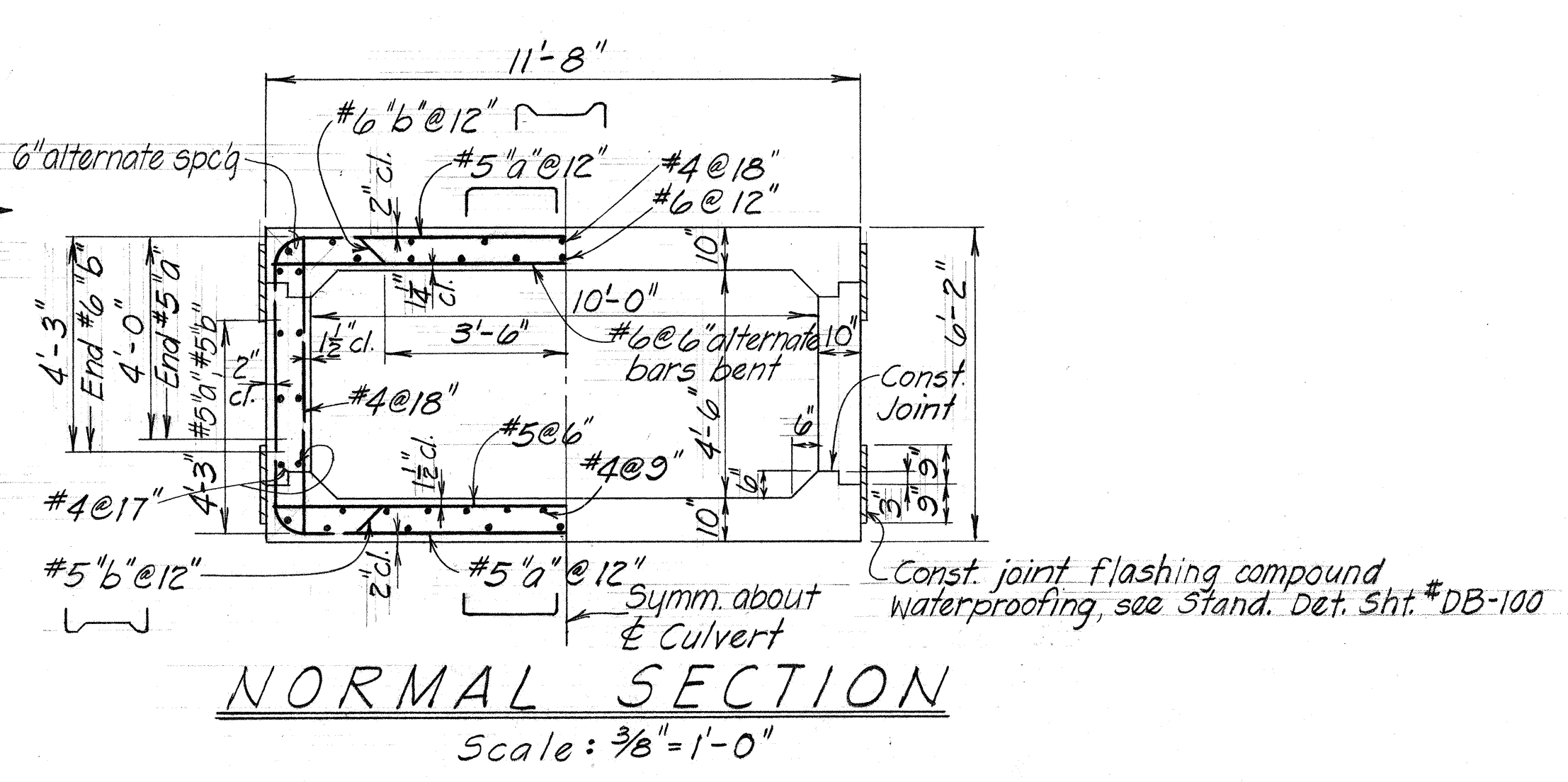
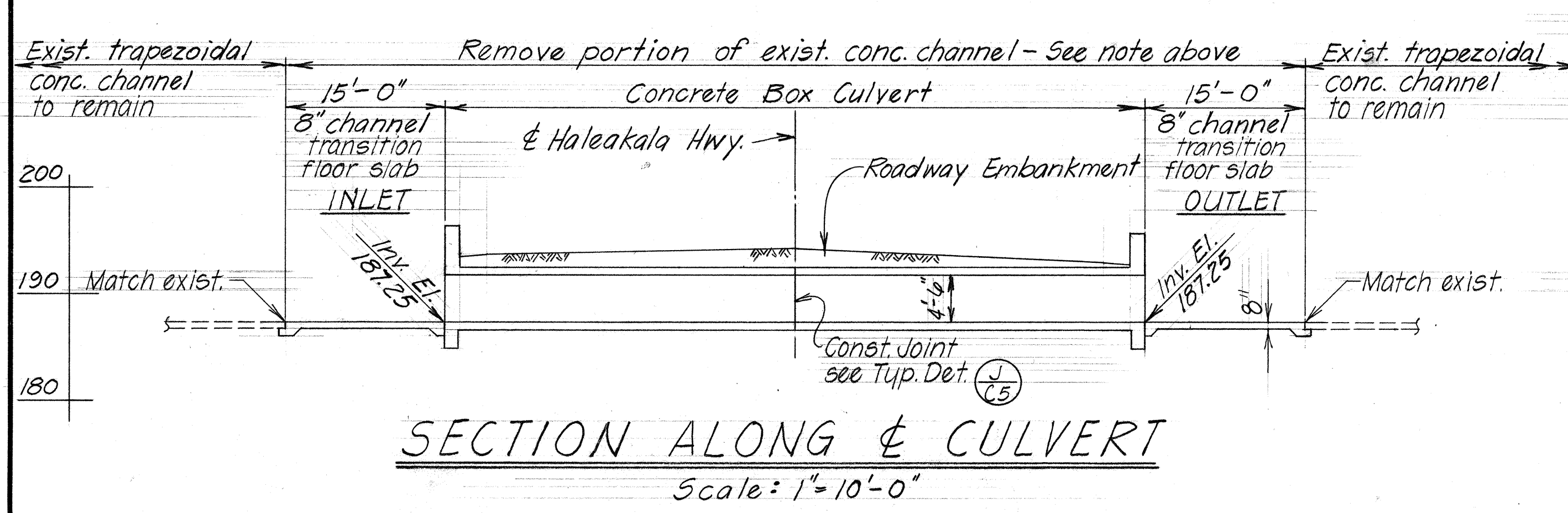


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | F-037-1(7)         | 1972        | 38        | 113          |



- REFERENCE NOTE:**
- (1) Refer to sheet # C4 for typical arrangement of culvert roof & floor slab reinforcement at skewed ends.
  - (2) Exact location of Box Culvert and Channel Transition to Culvert shall be determined in the field by the Engineer.

| ESTIMATED QUANTITIES  |          |              |
|-----------------------|----------|--------------|
| Class A Concrete      | Lump Sum | (118 c.y.)   |
| Reinforcing Steel     | Lump Sum | (14,313 lbs) |
| Structural Excavation |          | 200 c.y.     |



STATE OF HAWAII  
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HIGHWAYS DIVISION

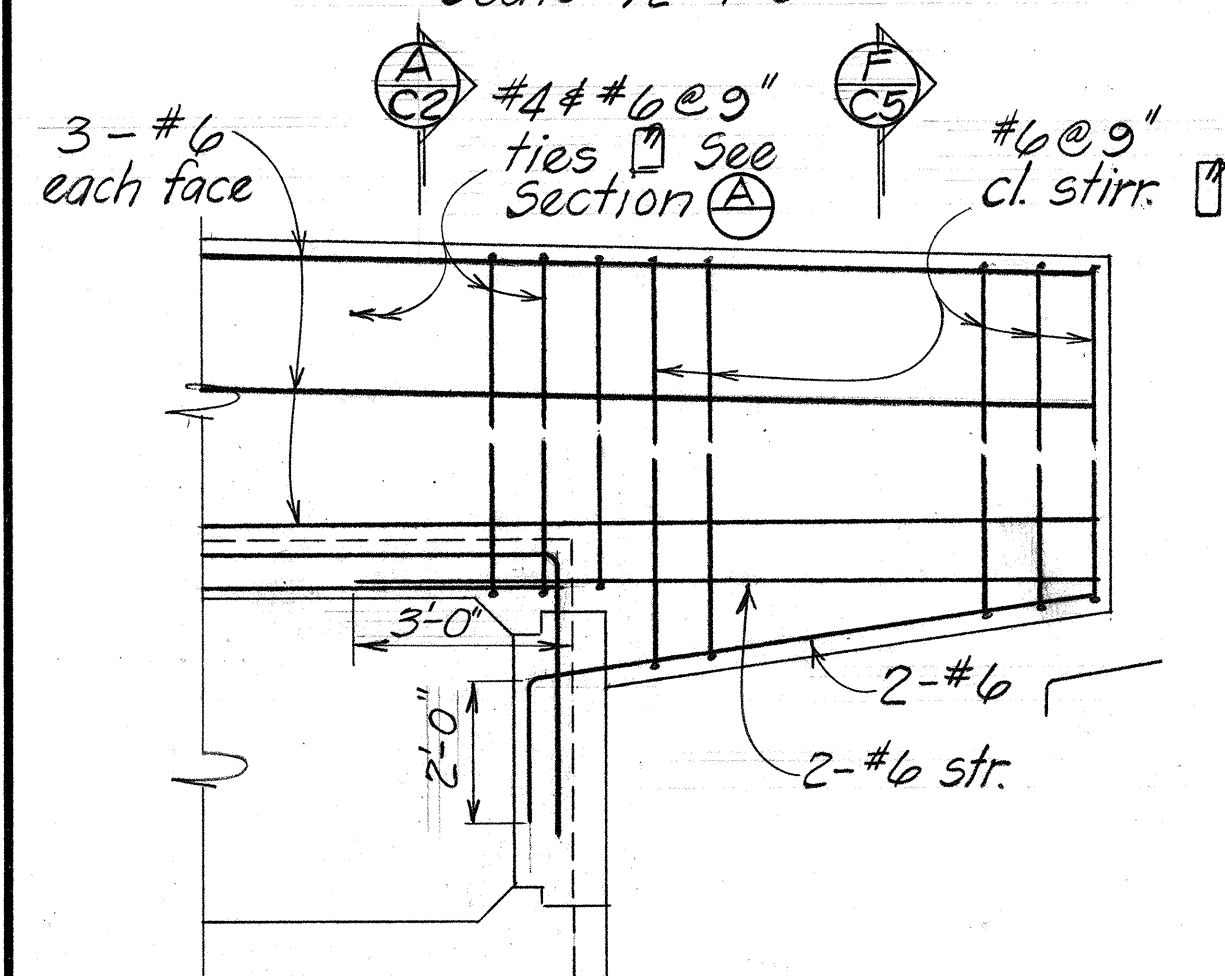
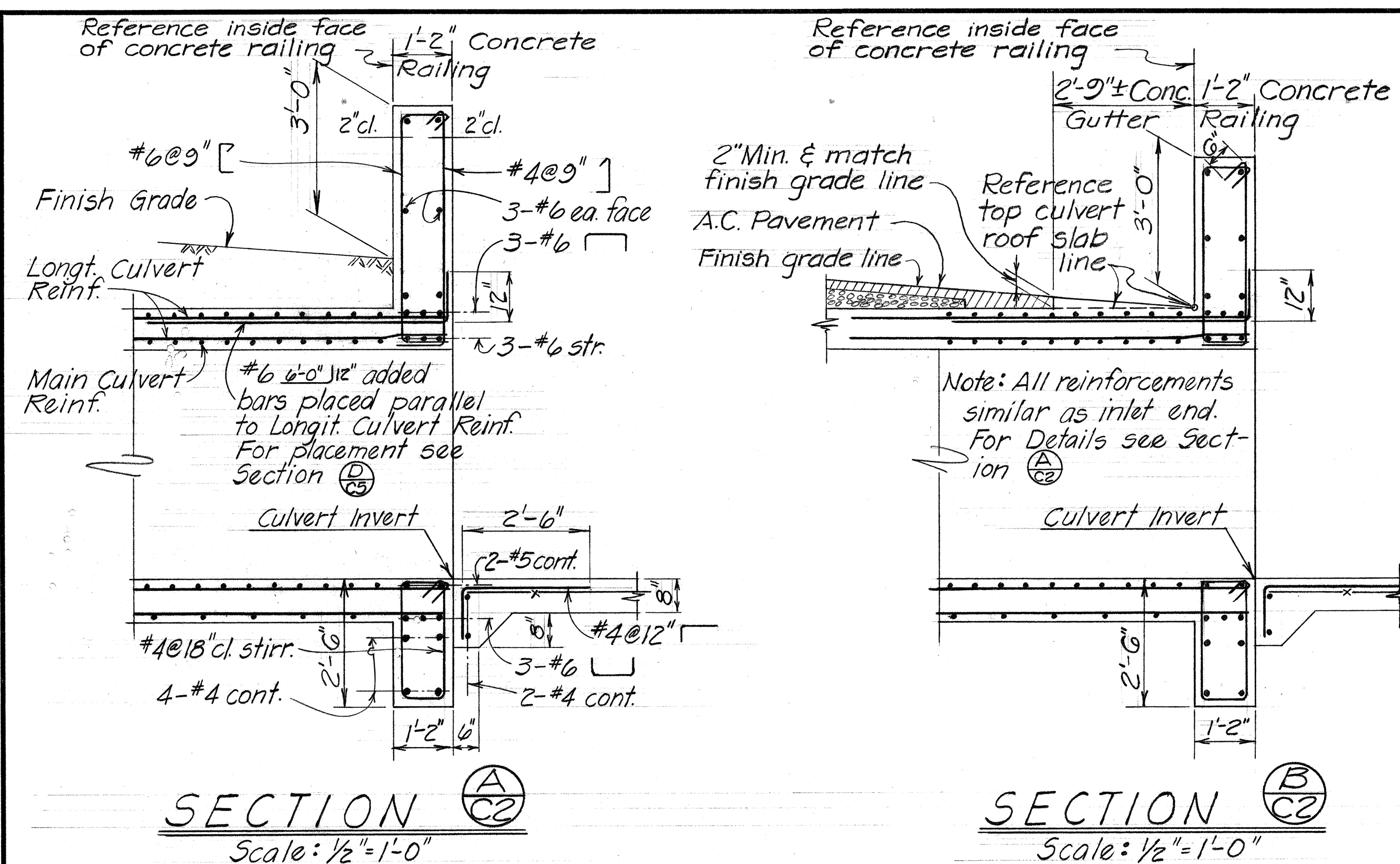
**10'-0" x 4'-6" BOX CULVERT**  
& HWY. STA. 53+08±

Haleakala Hwy  
Proj. No. F-037-1(7) Feb. 7, 1972  
SHEET No. 01 OF 6 SHEETS

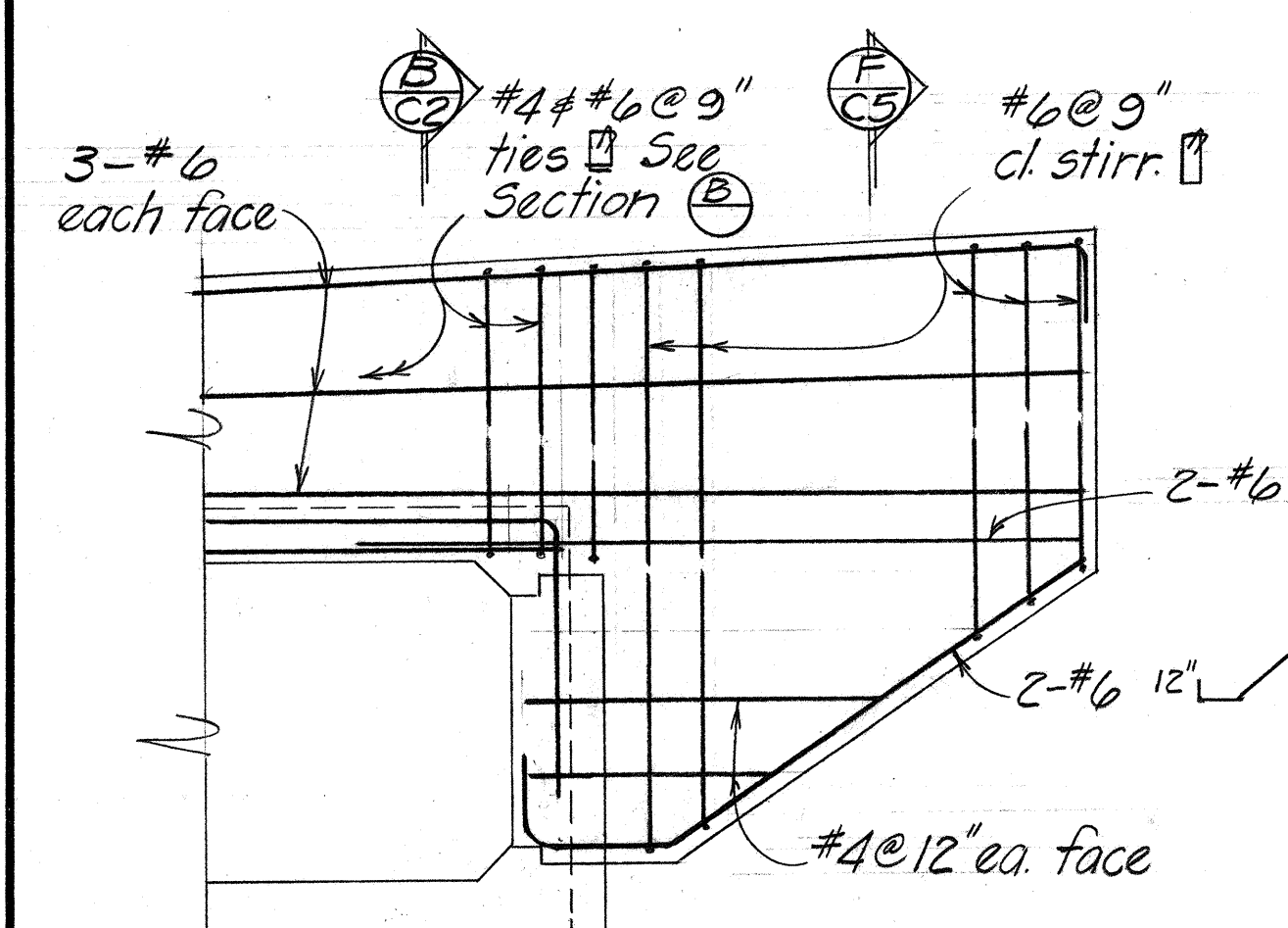
DATE: 2-7-72  
DRAWN BY: C.E. HILL  
CHECKED BY: C.E. HILL  
DESIGNED BY: C.E. HILL  
NOTED BY: C.E. HILL  
ORIGINAL PLAN: C.E. HILL  
NOTE BOOK: C.E. HILL



| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEET |
|------------------------|-------|-----------------------|----------------|--------------|----------------|
| HAWAII                 | HAW.  | F-037-1(7)            | 1972           | 39           | 113            |



TYPICAL CANTILEVER END POST  
ELEVATION  $\left(\frac{C}{C?}\right)$  Scale:  $\frac{3}{8}" = 1'-0"$



TYPICAL CANTILEVER END POST  
ELEVATION (D)  
C2 Scale: 3/8" = 1'-0"

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

10'-0" X 4'-6" CONCRETE  
BOX CULVERT  
@ HWY STA. 53 + 08 ±

HALEAKALA HWY  
PROJ. NO. F-037-1(7) Feb. 7, 1972

SHEET No. 02 OF 0 SHEETS



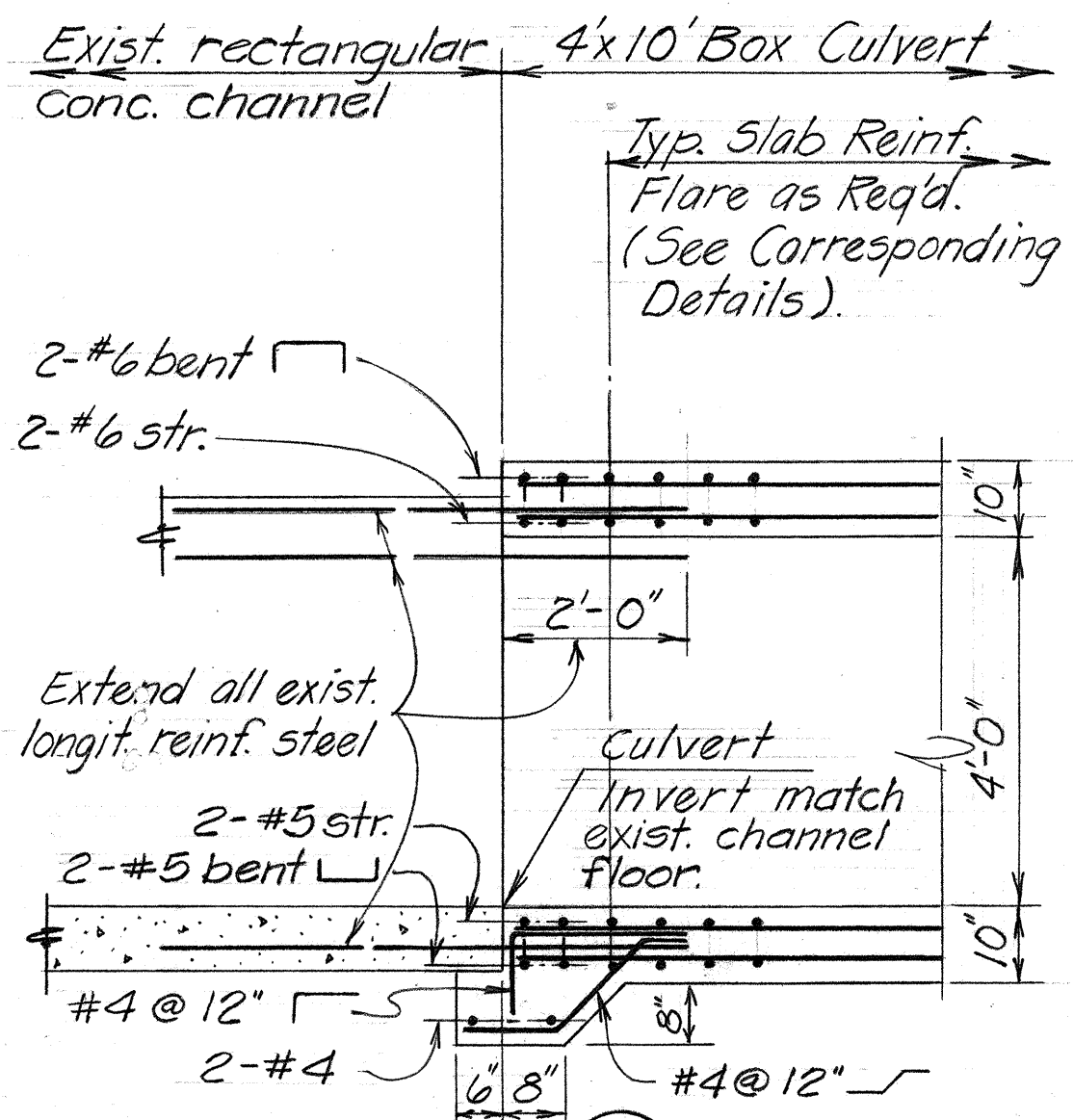




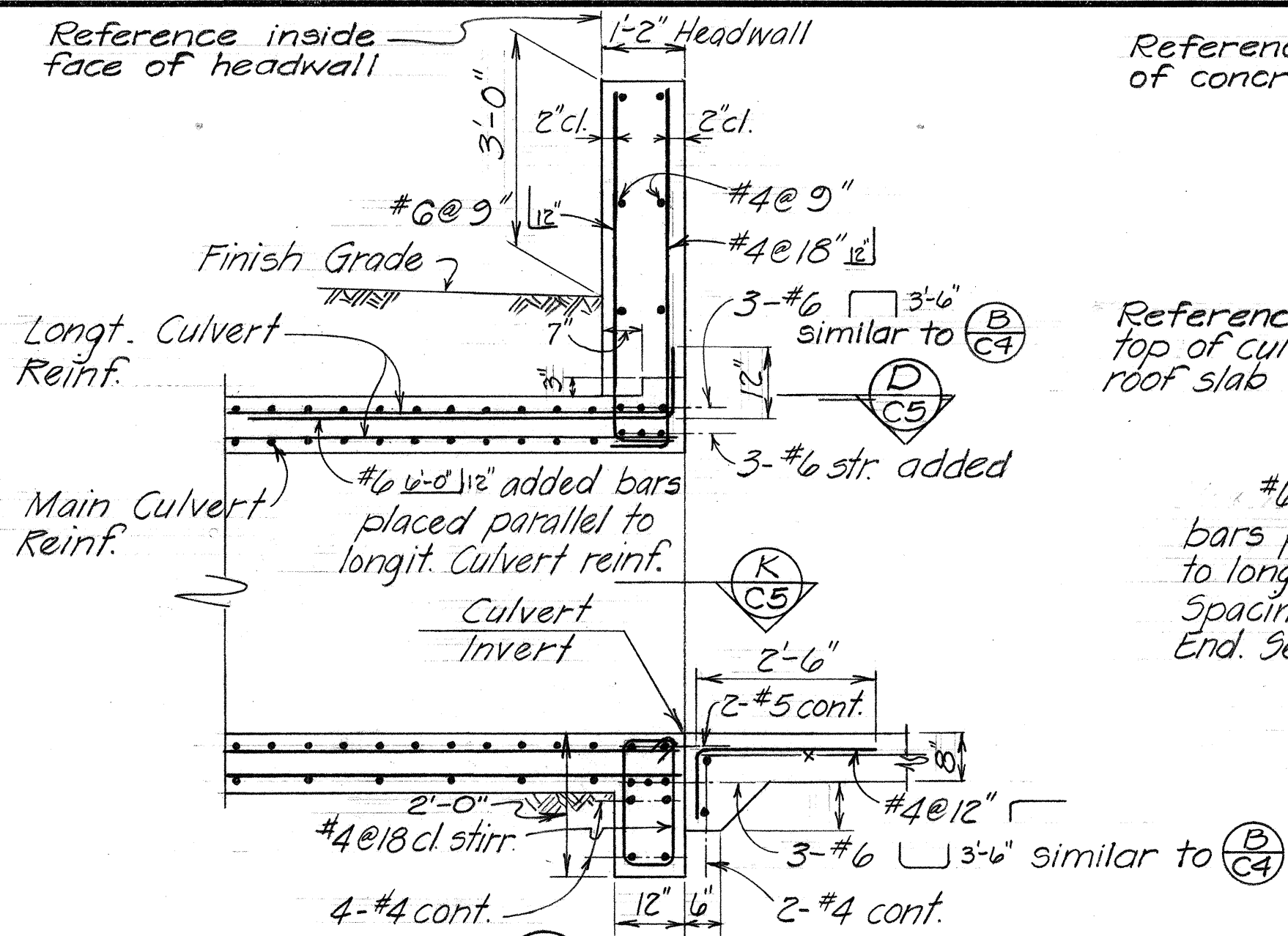




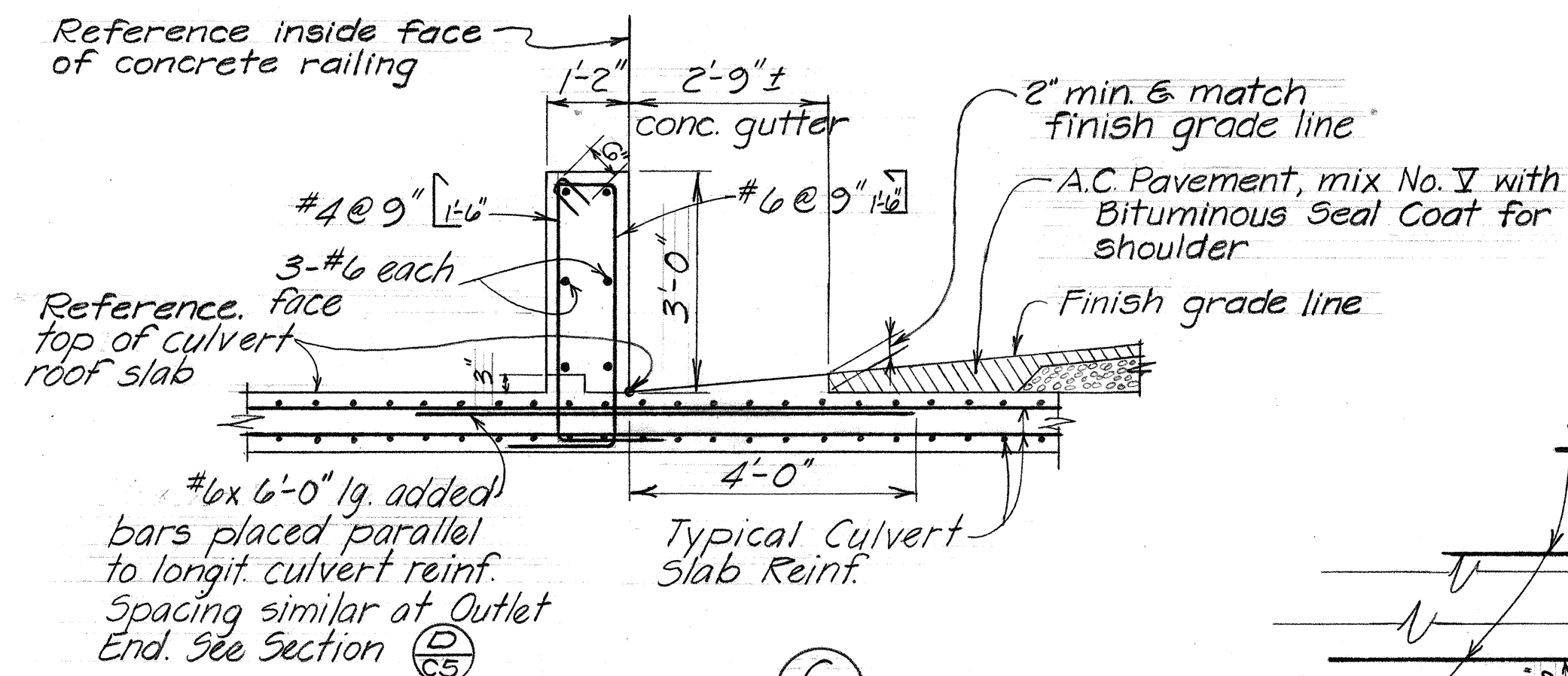
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | F-037-1(7)         | 1972        | 42        | 113          |



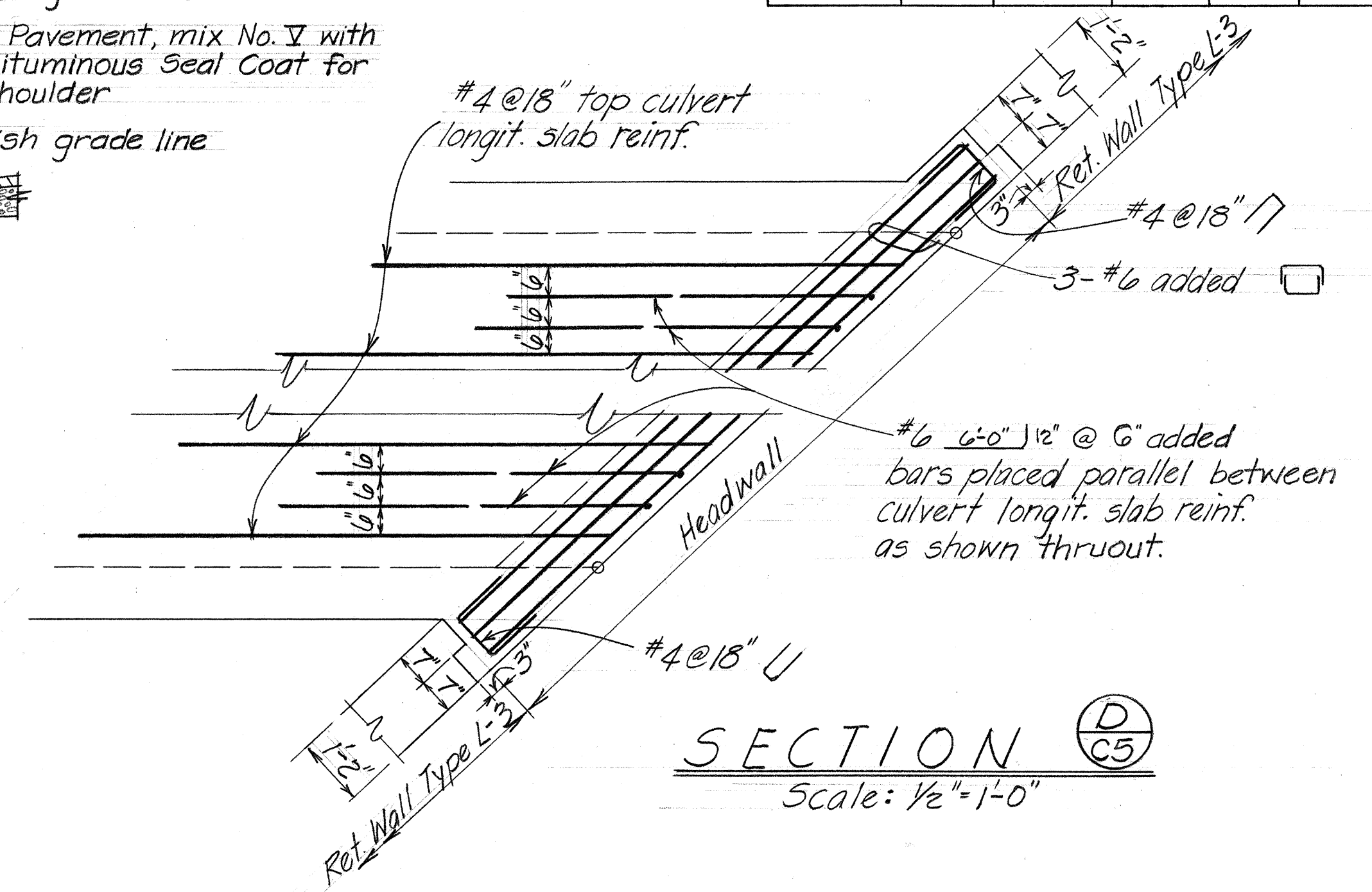
SECTION A C5 INTAKE END  
Scale: 1/2"=1'-0"



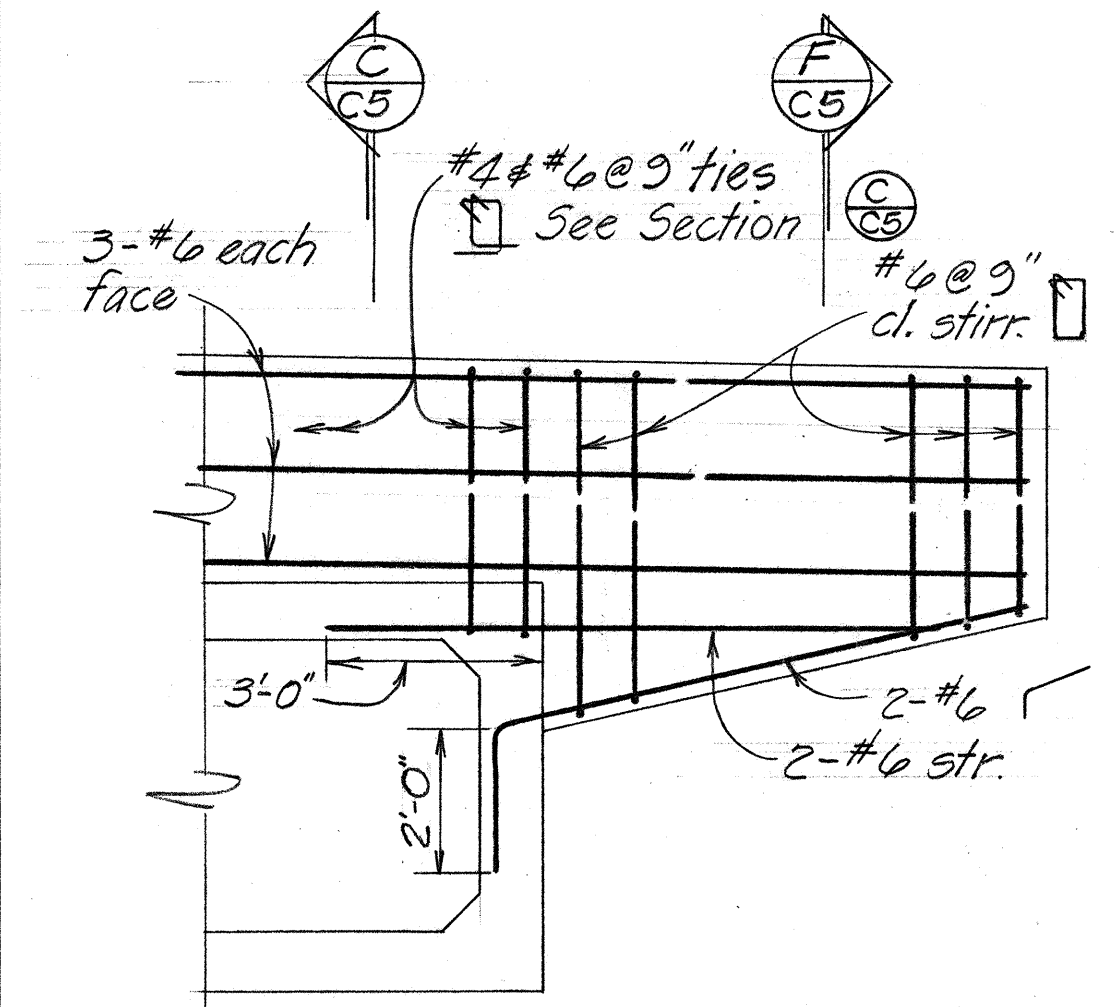
SECTION B C5 OUTLET END  
Scale: 1/2"=1'-0"



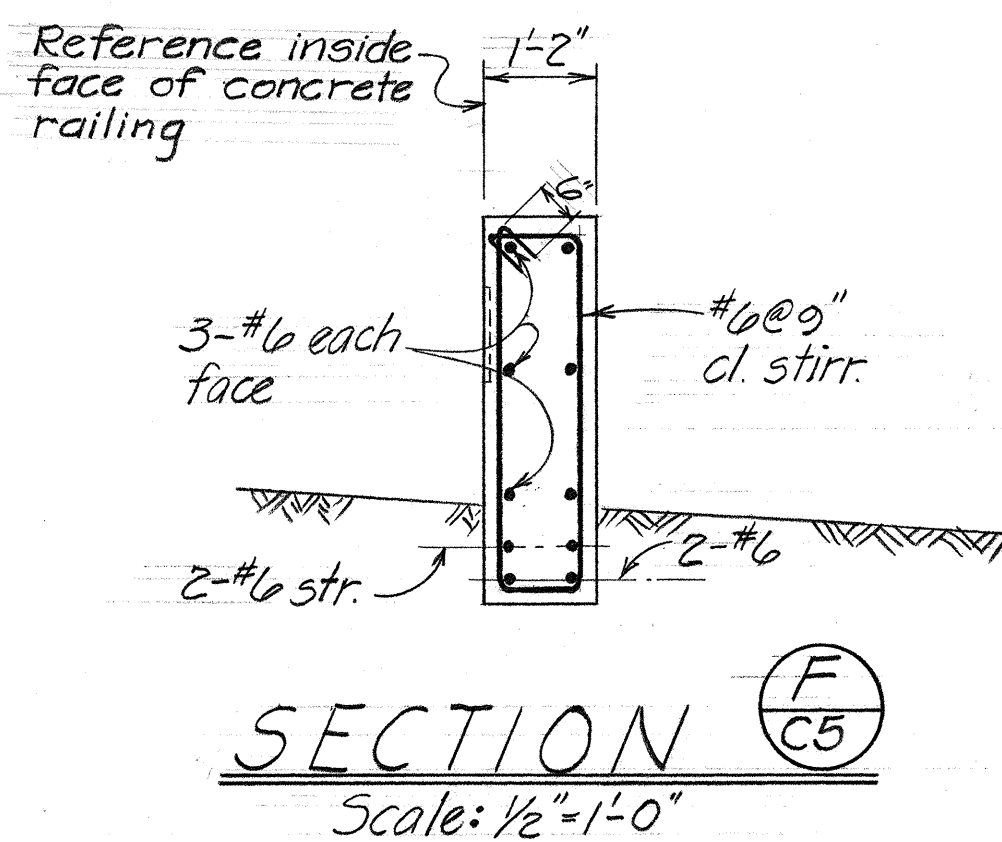
SECTION C C5  
Scale: 1/2"=1'-0"



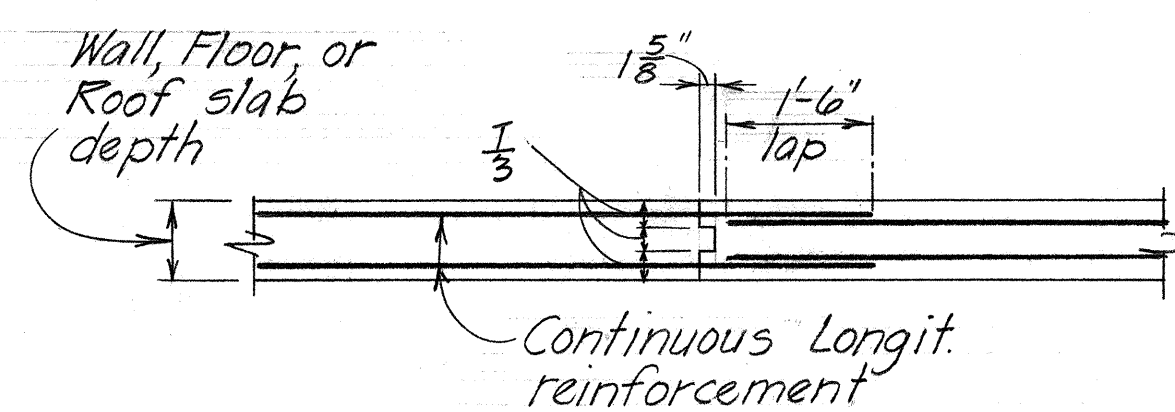
SECTION D C5  
Scale: 1/2"=1'-0"



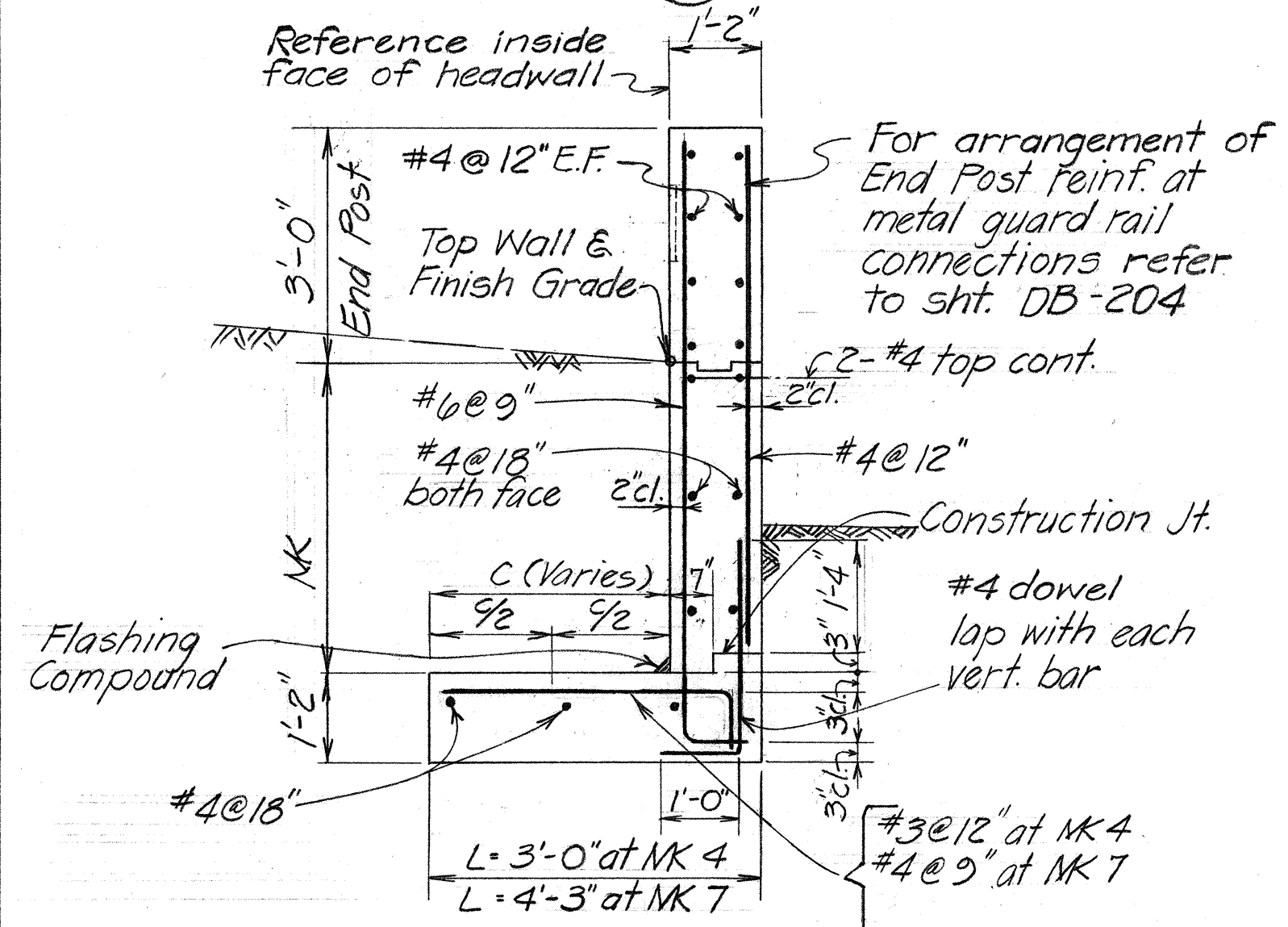
TYPICAL CANTILEVER END POST ELEVATION E C5  
Scale: 3/8"=1'-0"



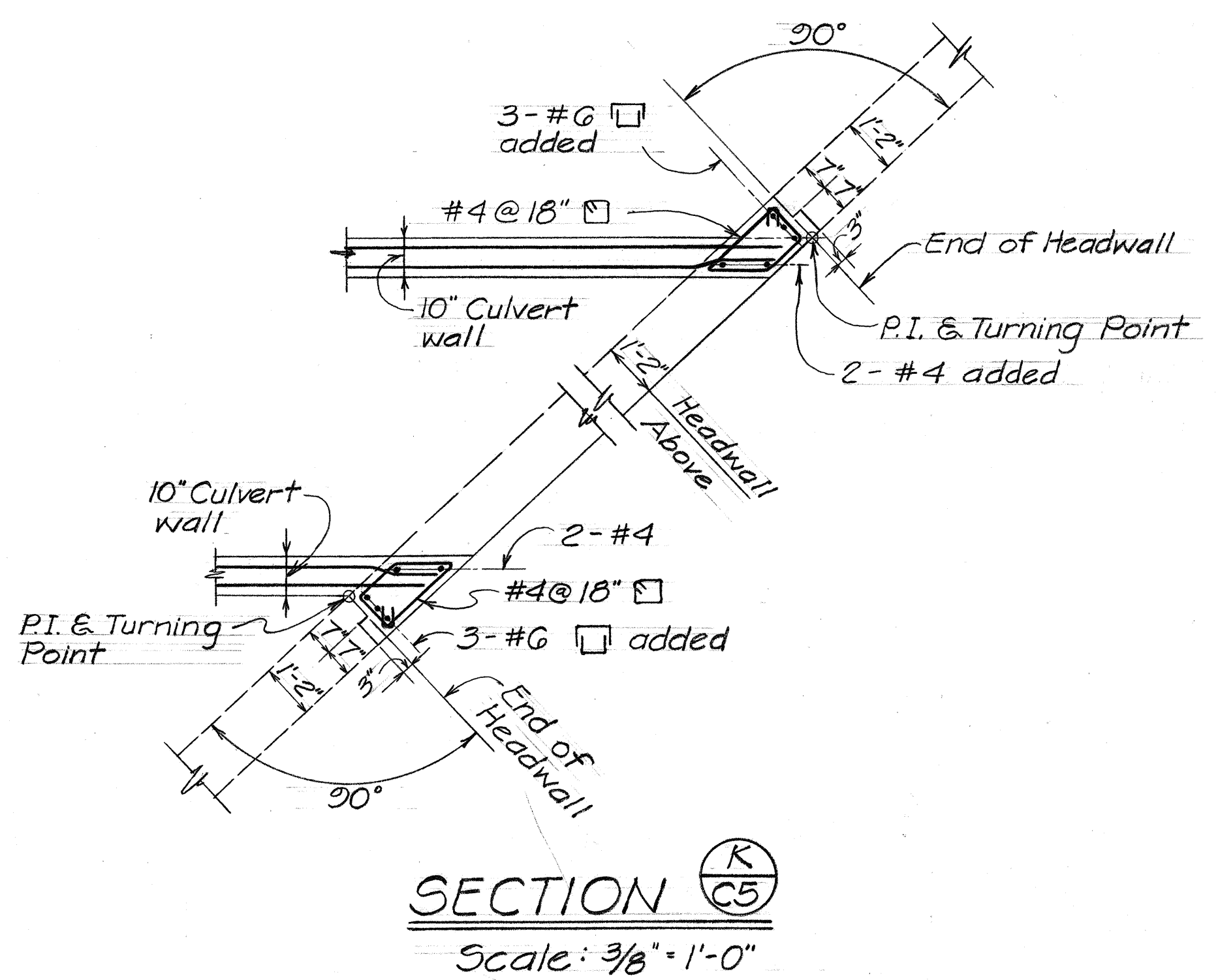
SECTION F C5  
Scale: 1/2"=1'-0"



J C5 TYPICAL BOX CULVERT CONSTRUCTION JOINT DETAIL



TYPICAL SECTION H C5  
TYPE "L-3" WALL



SECTION K C5  
Scale: 3/8"=1'-0"

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
10'-0" X 4'-0" CONCRETE  
BOX CULVERT  
± STA. 205+84±

HALEAKALA HWY.  
PROJ. NO. F-037-1(7) February 7, 1971  
SHEET No. C5 OF 6 SHEETS

|               |      |
|---------------|------|
| DESIGNED BY   | DATE |
| QUANTITIES BY | DATE |
| CHECKED BY    | DATE |
| NOTED BY      | DATE |
| ORIGINAL PLAN | DATE |
| NOTE BOOK     | DATE |
| NO.           | DATE |



