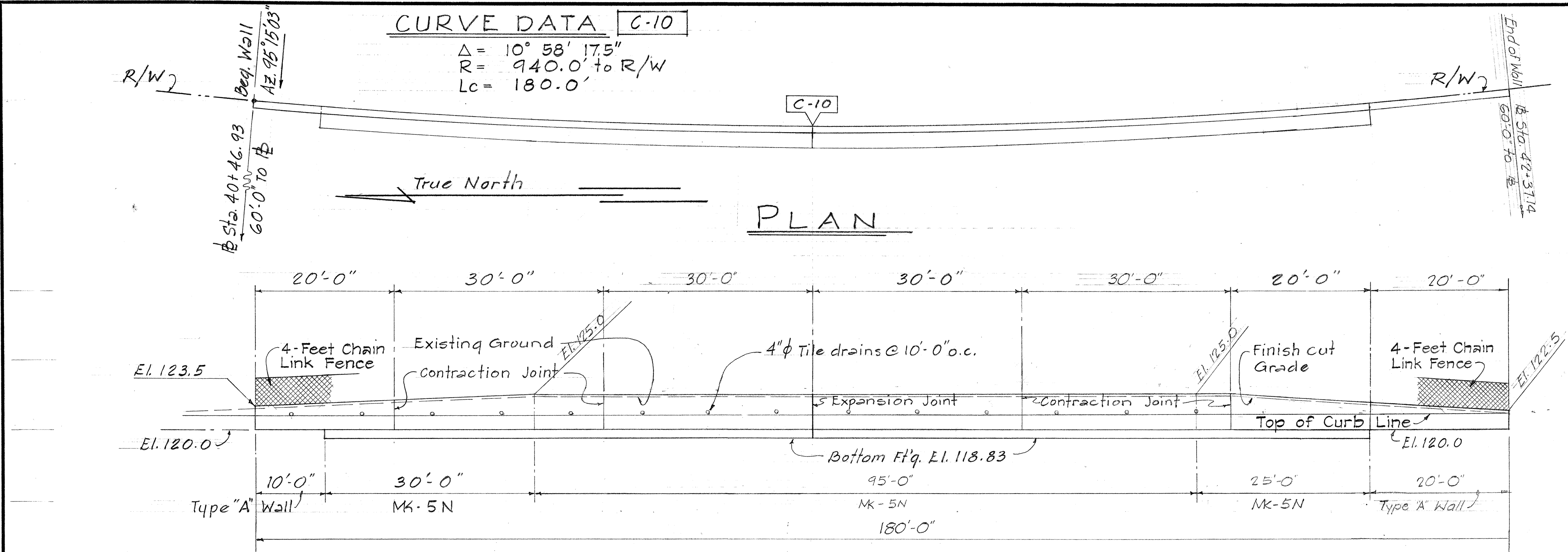
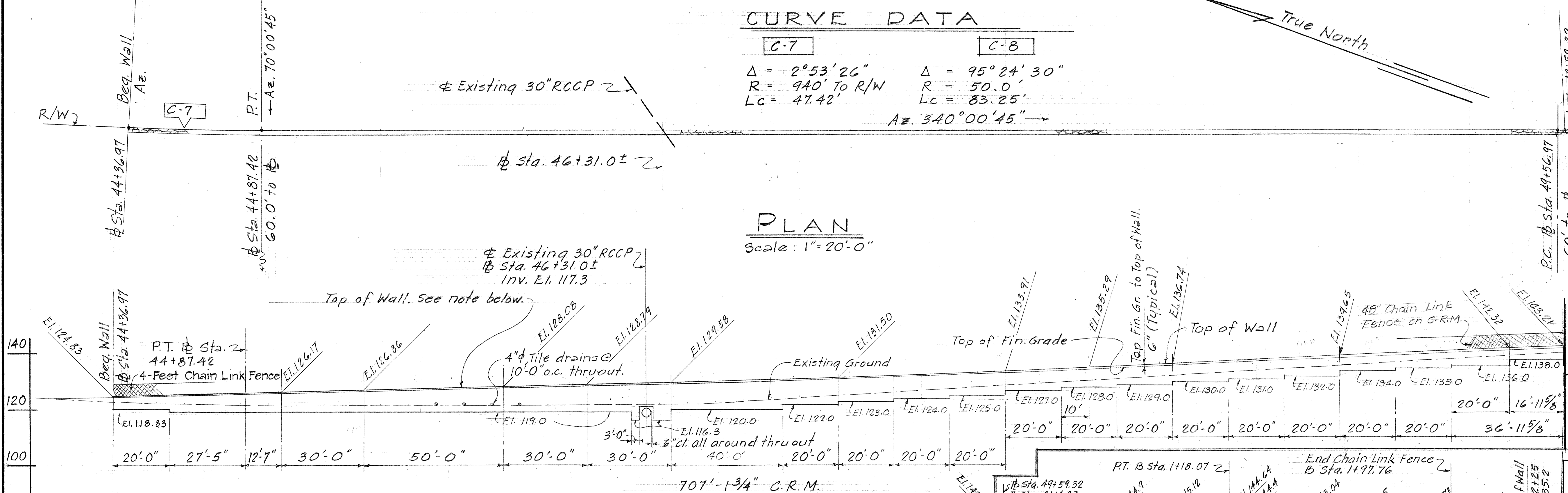


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | F-083-1(2)         | 1967        | 23        | 83           |
| Unit 2              |       |                    |             |           |              |

Notes:  
 ① Retaining Wall No 1 - For Retaining Wall Types, refer to "Standard Ret. Wall Details Type L-2" on Sht. # 25

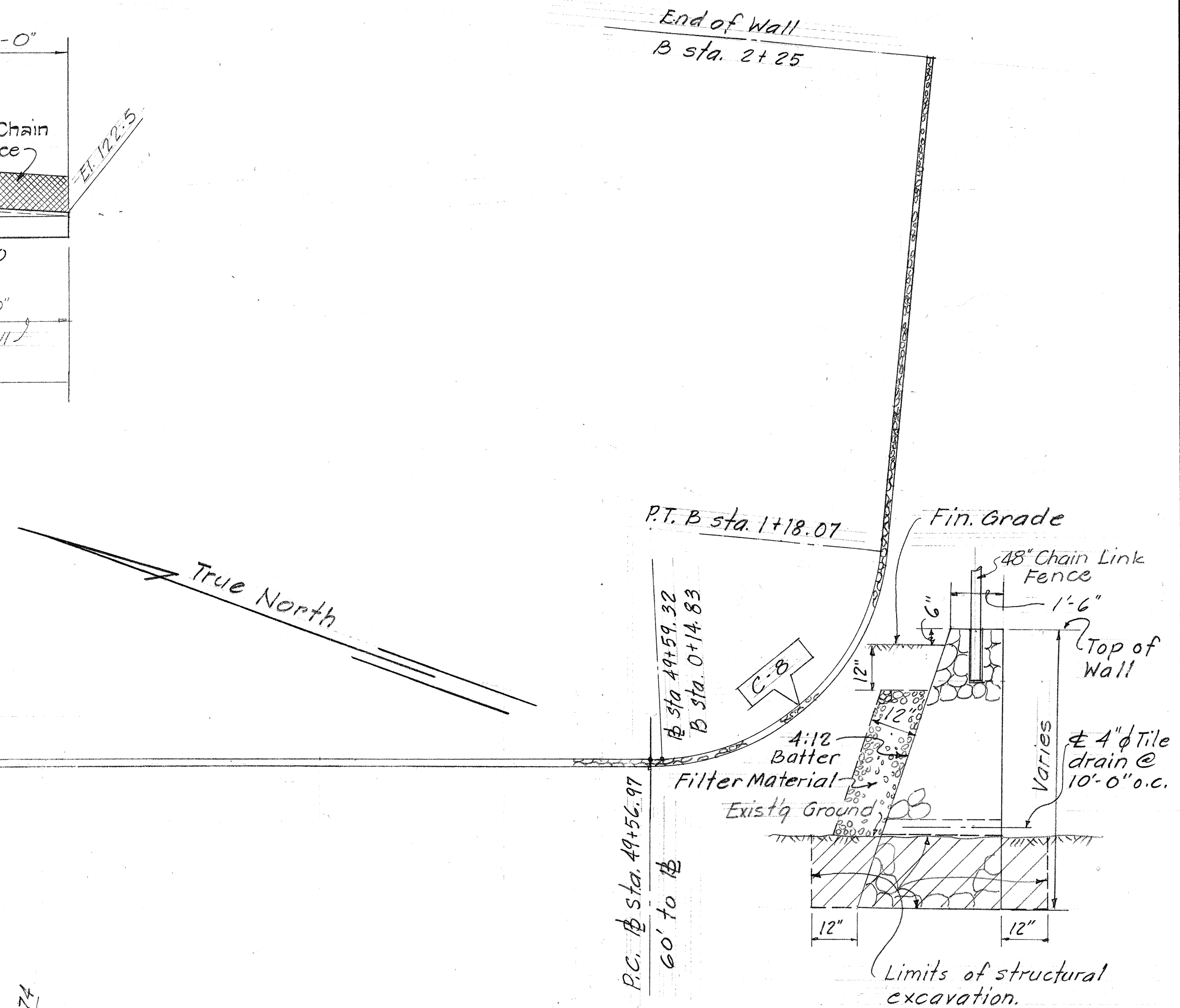


ELEVATION  
 RETAINING WALL No 1  
 Scale: 1"=10'-0"



Note:  
 Elevations shown on top of wall are approximate elevations and, is to be used for estimating purposes only. Top of retaining wall shall be 6" above finish grade. See Highway Drawing for exact elevations.

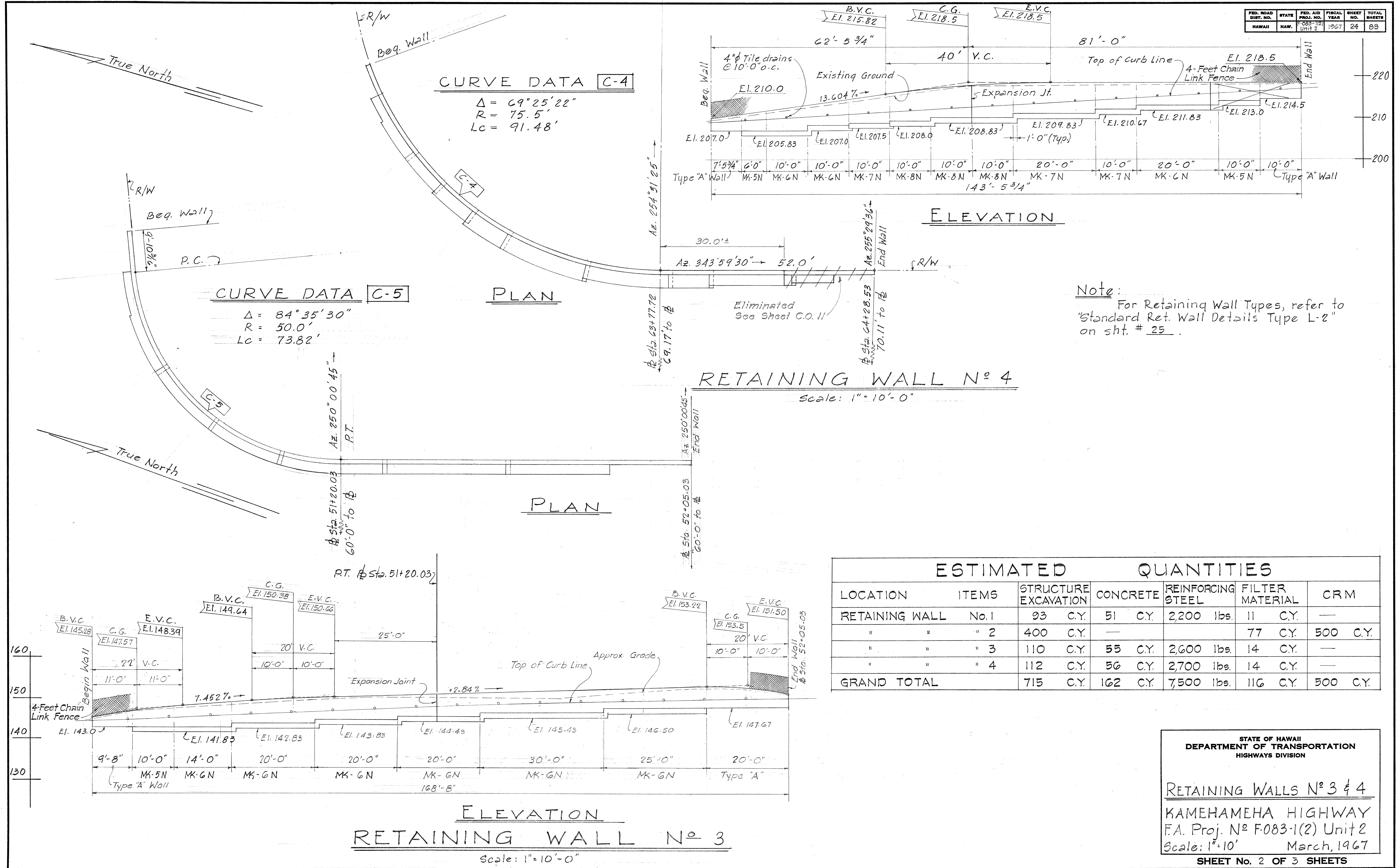
ELEVATION  
 Scale: 1"=20'-0"  
 C.R.M. RETAINING WALL No 2



TYP. SECT. OF C.R.M. WALL  
 Scale: 1/2"=1'-0"

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
 RETAINING WALLS No 1 & 2  
 KAMEHAMEHA HIGHWAY  
 F.A. Proj. No F-083-1(2) Unit 2  
 Scale as shown March, 1967  
 SHEET No. 1 OF 3 SHEETS

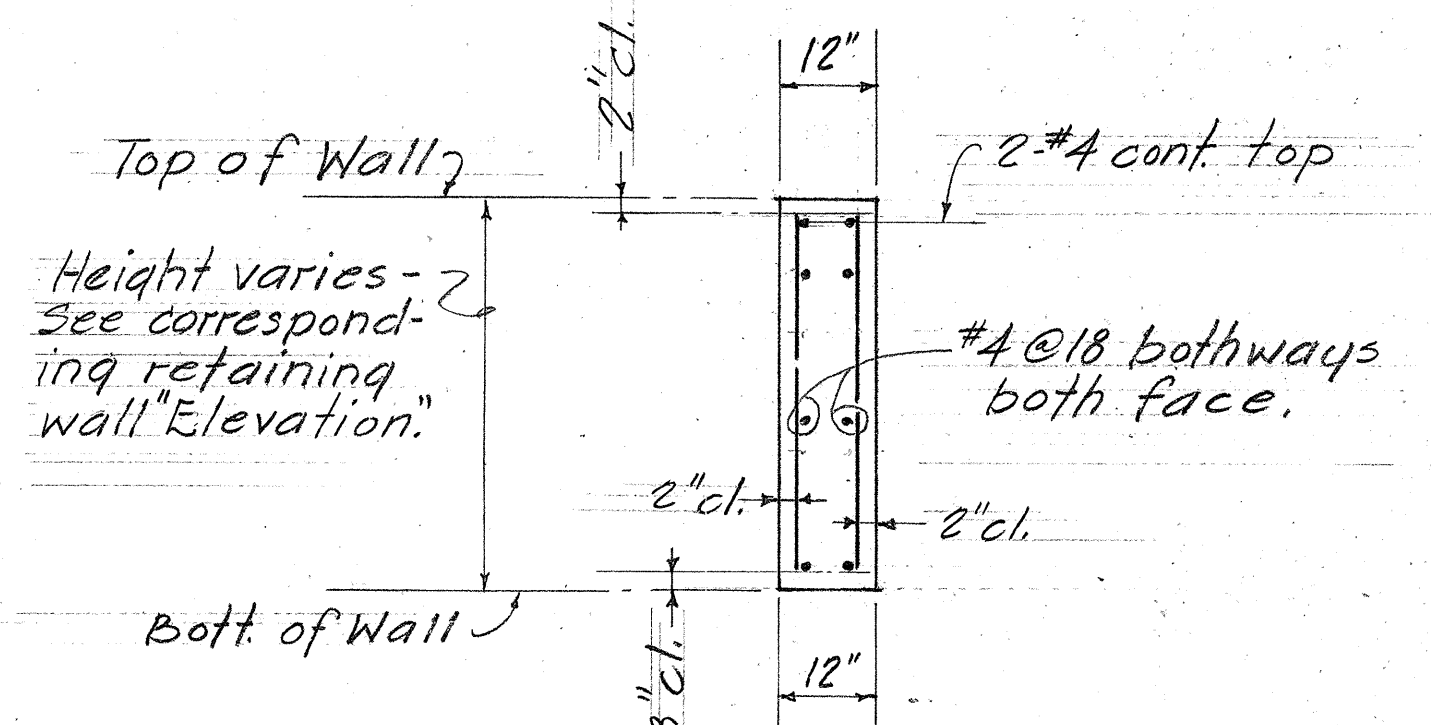
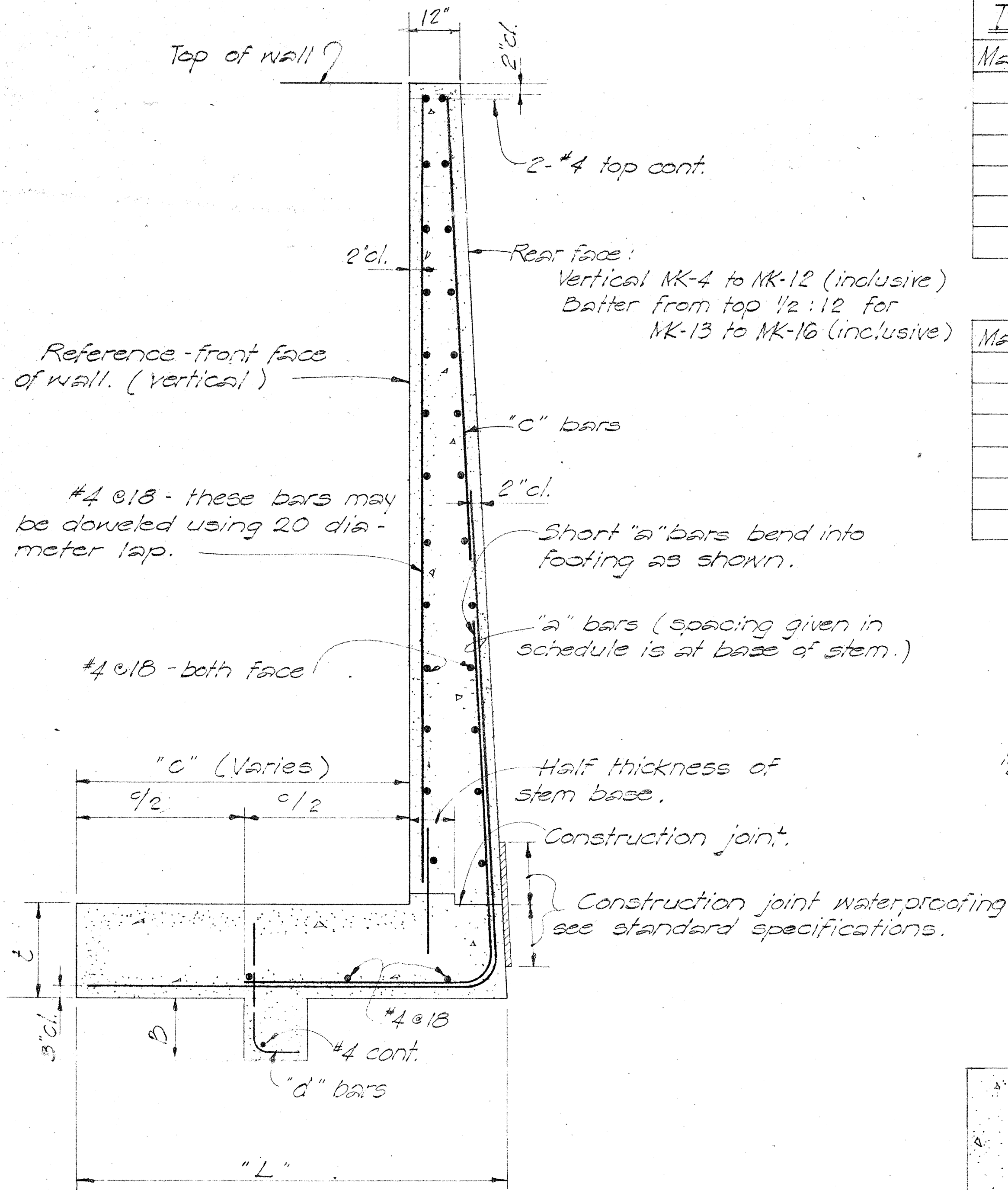
|                   |             |
|-------------------|-------------|
| SURVEY PLOTTED BY | DATE        |
| DRAWN BY          | DESIGNED BY |
| NOTED BY          | CHECKED BY  |
| ORIGINAL PLAN     | NOTE BOOK   |
| No.               |             |



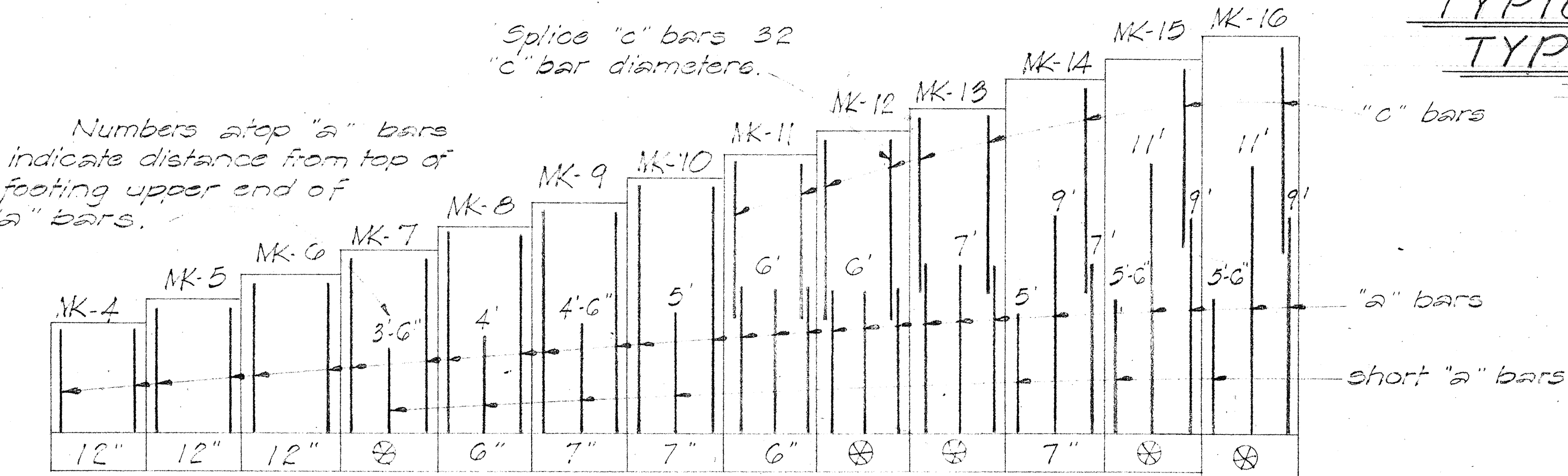
Note:  
For Retaining Wall Types, refer to  
"Standard Ret. Wall Details Type L-2"  
on sht. # 25.

| TYPE L-2 WALL SCHEDULE OF DIMENSIONS AND REINFORCING STEEL |                    |       |       |       |       |       |       |       |       |       |       |        |       |  |
|------------------------------------------------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--|
| Maximum "NK"                                               | 4 S                | 5 S   | 6 S   | 7 S   | 8 S   | 9 S   | 10 S  | 11 S  | 12 S  | 13 S  | 14 S  | 15 S   | 16 S  |  |
| L                                                          | 2.5'               | 3.0'  | 3.75' | 4.5'  | 5.75' | 6.5'  | 8.0'  | 8.75' | 10.0' | 11.5' | 12.5' | 13.75' | 15.0' |  |
| t                                                          | 14"                | 14"   | 15"   | 15"   | 18"   | 18"   | 18"   | 21"   | 24"   | 24"   | 27"   | 30"    | 33"   |  |
| "a"                                                        | #3@12              | #3@12 | #4@12 | #4@9  | #4@6  | #5@7  | #6@7  | #6@6  | #7@6  | #6@6  | #7@7  | #7@6   | #8@7  |  |
| "c"                                                        | —                  | —     | —     | —     | —     | —     | —     | #4    | #4    | #4    | #4    | #4     | #5    |  |
| B                                                          | See Wall Elevation |       |       |       |       |       |       |       |       |       |       |        |       |  |
| "d"                                                        | #4@12              | #4@12 | #4@12 | #4@12 | #4@12 | #4@12 | #4@12 | #4@12 | #4@12 | #4@12 | #4@10 | #4@10  | #4@10 |  |

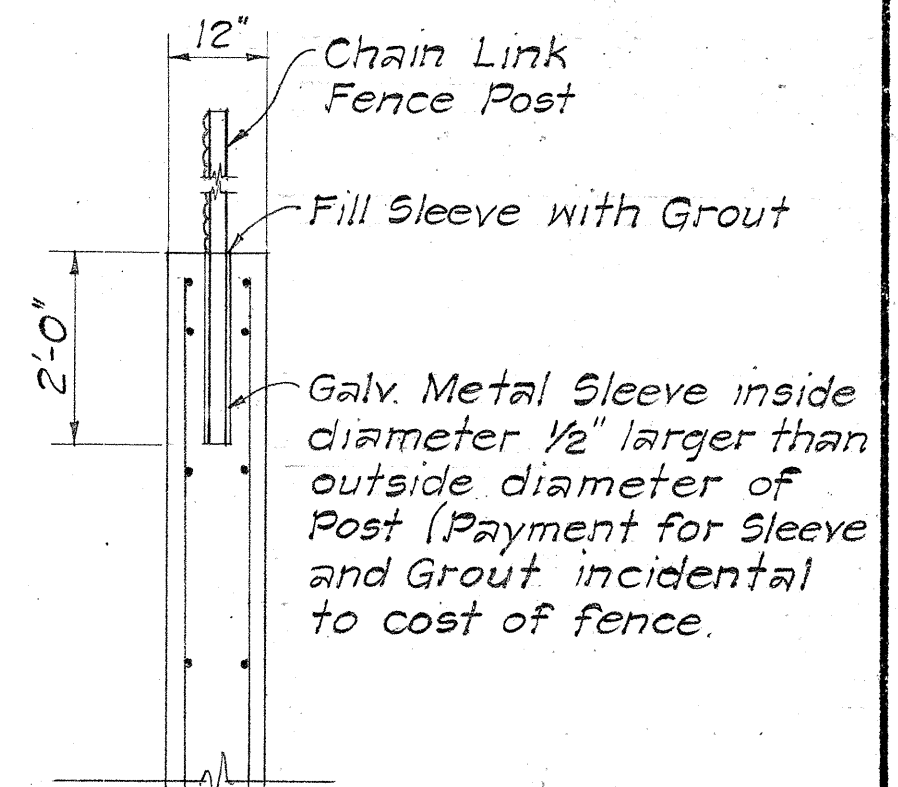
| Maximum "NK" | 4 N                | 5 N   | 6 N   | 7 N   | 8 N   | 9 N   | 10 N  | 11 N  | 12 N  | 13 N  | 14 N  | 15 N   | 16 N   |  |
|--------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--|
| L            | 2.5'               | 3.0'  | 3.5'  | 4.25' | 5.0'  | 5.75' | 6.5'  | 7.5'  | 8.75' | 9.0'  | 9.75' | 10.75' | 11.75' |  |
| t            | 14"                | 14"   | 14"   | 14"   | 14"   | 14"   | 14"   | 14"   | 18"   | 18"   | 21"   | 24"    | 27"    |  |
| "a"          | #3@12              | #3@12 | #4@12 | #4@7  | #4@6  | #5@7  | #6@7  | #6@6  | #7@7  | #7@7  | #7@7  | #7@7   | #7@6   |  |
| "c"          | —                  | —     | —     | —     | —     | —     | —     | —     | #4    | #4    | #4    | #4     | #4     |  |
| "B"          | See Wall Elevation |       |       |       |       |       |       |       |       |       |       |        |        |  |
| "d"          | #4@12              | #4@12 | #4@12 | #4@12 | #4@12 | #4@12 | #4@12 | #4@12 | #4@12 | #4@12 | #4@10 | #4@10  | #4@10  |  |



TYPICAL SECTION  
TYPE "A" WALL  
Scale: 1/2" = 1'-0"

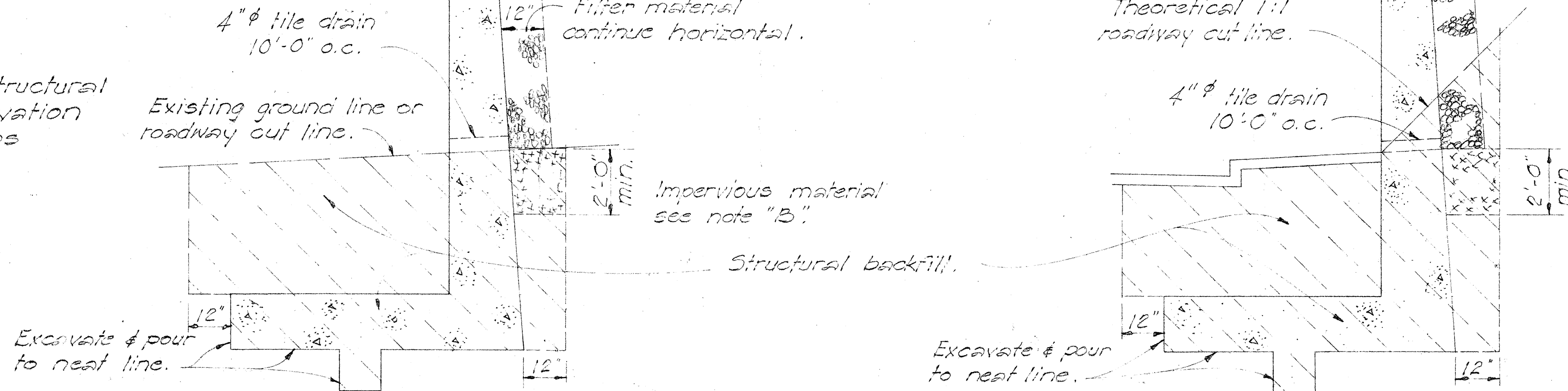


See schedule for spacing.  
VERTICAL REINFORCING STEEL ARRANGEMENT



TYPICAL SECTION OF FENCE  
POST ON CONCRETE STRUCTURE  
Scale: 1/2" = 1'-0"

Note 11  
Hatched areas denotes limits of structural excavation pay line. All other excavation shall be roadway excavation except as otherwise noted.



CASE I  
STRUCTURAL EXCAVATION & DRAINAGE DETAIL  
CASE II