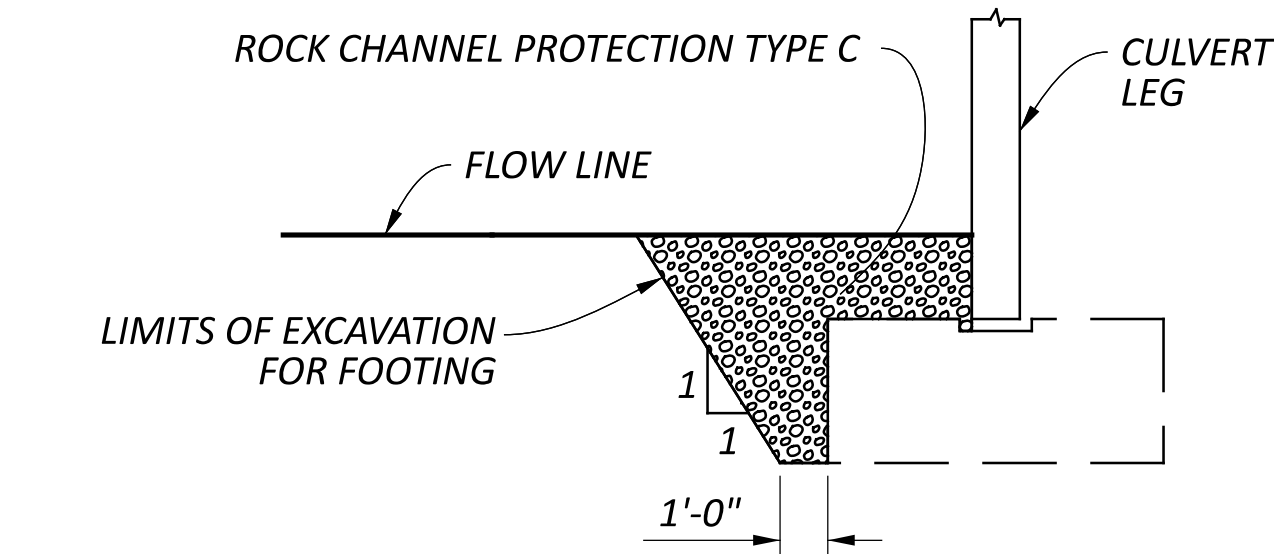
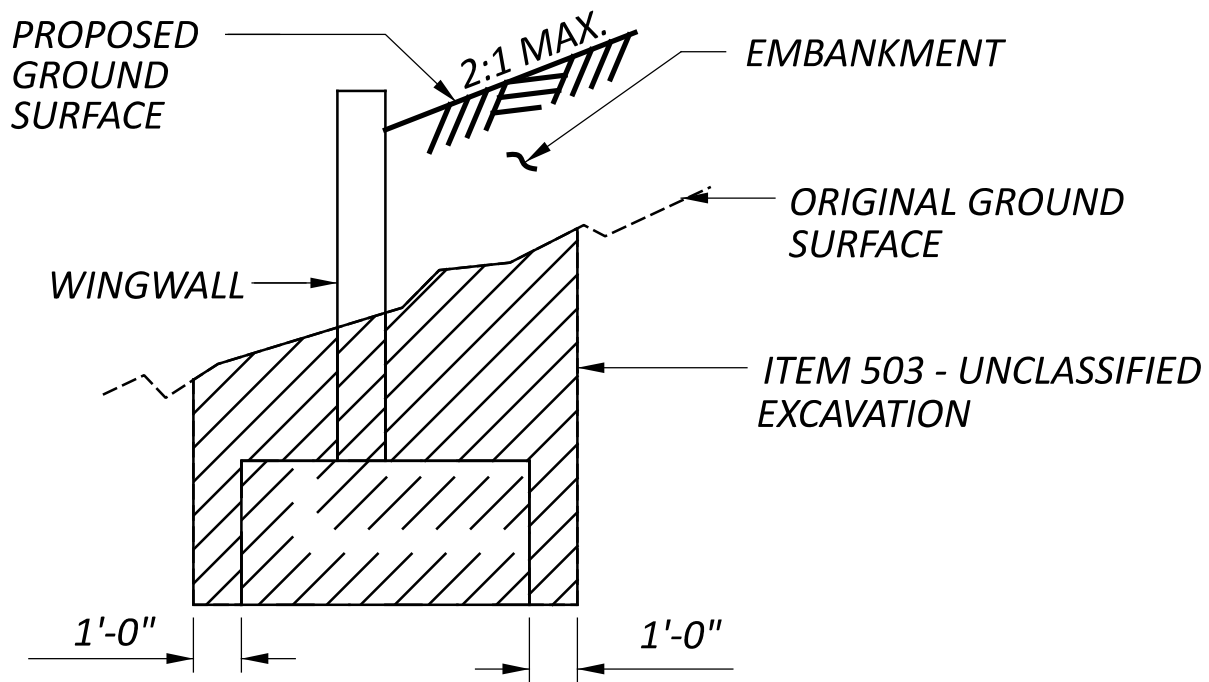
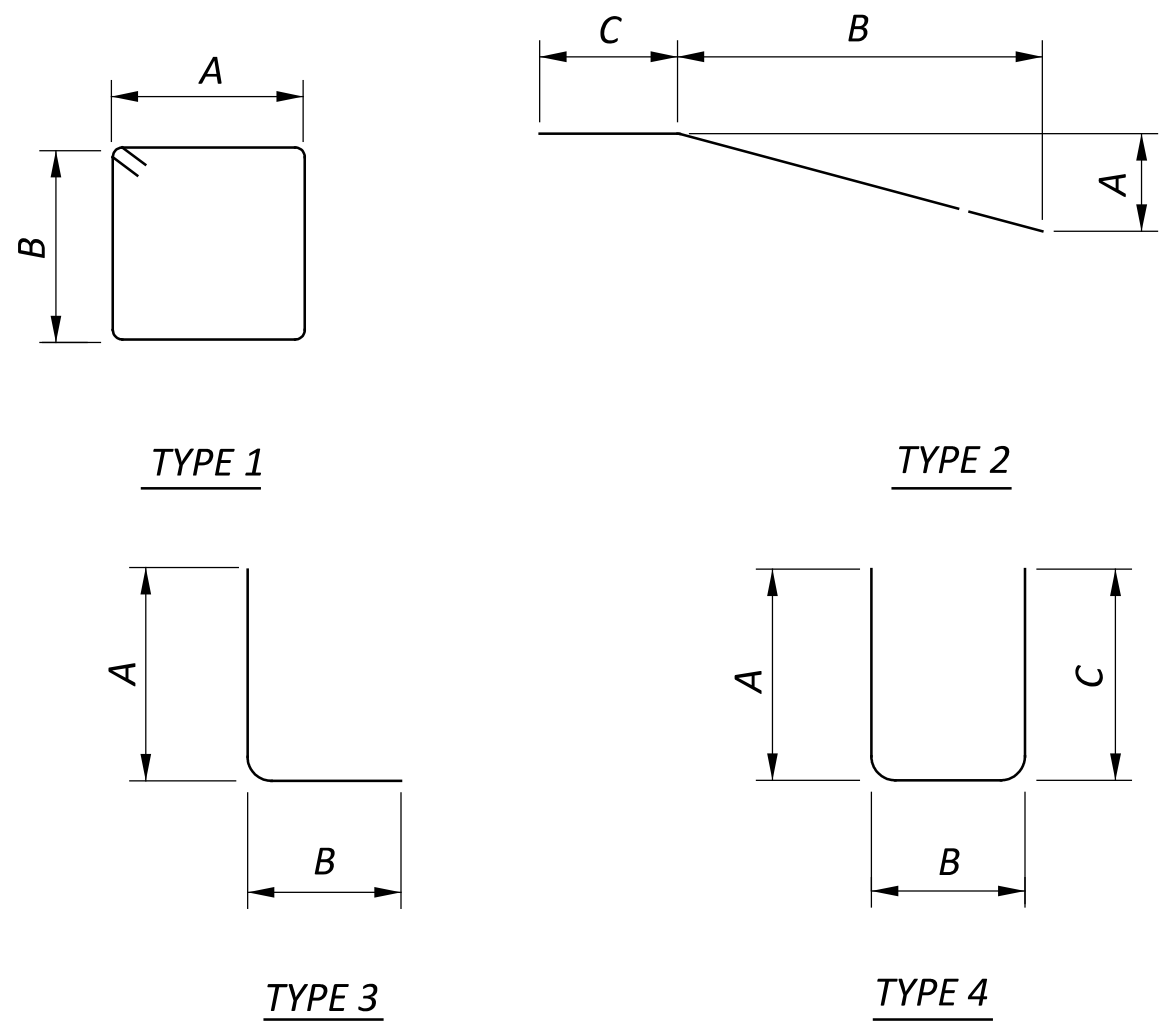




ROCK CHANNEL PROTECTION INSIDE CULVERT



LIMITS OF UNCLASSIFIED  
EXCAVATION ON WINGWALL



BENDING DIAGRAMS

REINFORCING STEEL LIST

| MARK       | NO. | LENGTH | WEIGHT | TYPE | A | B | C | INCR | REMARKS |
|------------|-----|--------|--------|------|---|---|---|------|---------|
| WINGWALL 1 |     |        |        |      |   |   |   |      |         |
| W613       | 9   | 9'-0"  | 81     | STR  |   |   |   |      |         |
| W614       | 6   | 7'-4"  | 66     | STR  |   |   |   |      |         |
| WINGWALL 2 |     |        |        |      |   |   |   |      |         |
| W623       | 9   | 9'-0"  | 81     | STR  |   |   |   |      |         |
| W624       | 6   | 7'-4"  | 66     | STR  |   |   |   |      |         |
| WINGWALL 3 |     |        |        |      |   |   |   |      |         |
| W633       | 9   | 9'-0"  | 81     | STR  |   |   |   |      |         |
| W634       | 6   | 7'-4"  | 66     | STR  |   |   |   |      |         |
| WINGWALL 4 |     |        |        |      |   |   |   |      |         |
| W643       | 9   | 9'-0"  | 81     | STR  |   |   |   |      |         |
| W644       | 6   | 7'-4"  | 66     | STR  |   |   |   |      |         |
| SUBTOTAL   |     |        | 588    |      |   |   |   |      |         |

S.O. - SERIES OF

| MARK            | NO.  | LENGTH  | WEIGHT | TYPE | A     | B     | C     | INCR  | REMARKS |
|-----------------|------|---------|--------|------|-------|-------|-------|-------|---------|
| CULVERT FOOTING |      |         |        |      |       |       |       |       |         |
| F401            | 56   | 12'-0"  | 449    | 1    | 3'-2" | 2'-7" |       |       |         |
| F701            |      |         |        |      |       |       |       |       |         |
|                 | 32   | 21'-11" | 1434   | STR  |       |       |       |       |         |
|                 | 1    | 10'-3"  |        |      | 3'-3" | 3'-3" |       |       |         |
| F711            | S.O. | TO      | 214    | 2    | TO    | TO    | 5'-8" | 0'-4" |         |
|                 | 9    | 13'-0"  |        |      | 5'-2" | 5'-2" |       |       |         |
|                 | 1    | 10'-3"  |        |      | 3'-3" | 3'-3" |       |       |         |
| F721            | S.O. | TO      | 214    | 2    | TO    | TO    | 5'-8" | 0'-4" |         |
|                 | 9    | 13'-0"  |        |      | 5'-2" | 5'-2" |       |       |         |
|                 | 1    | 10'-3"  |        |      | 3'-3" | 3'-3" |       |       |         |
| F731            | S.O. | TO      | 214    | 2    | TO    | TO    | 5'-8" | 0'-4" |         |
|                 | 9    | 13'-0"  |        |      | 5'-2" | 5'-2" |       |       |         |
|                 | 1    | 10'-3"  |        |      | 3'-3" | 3'-3" |       |       |         |
| F741            | S.O. | TO      | 214    | 2    | TO    | TO    | 5'-8" | 0'-4" |         |
|                 | 9    | 13'-0"  |        |      | 5'-2" | 5'-2" |       |       |         |
| HEADWALL        |      |         |        |      |       |       |       |       |         |
| H501            | 11   | 2'-7"   | 30     | 4    | 1'-1" | 0'-8" | 1'-1" |       |         |
| H502            | 2    | 15'-10" | 33     | STR  |       |       |       |       |         |
| H511            | 11   | 5'-1"   | 58     | 4    | 2'-4" | 0'-8" | 2'-4" |       |         |
| H512            | 2    | 15'-10" | 33     | STR  |       |       |       |       |         |
| SUBTOTAL        |      |         | 2893   |      |       |       |       |       |         |

TOTAL CARRIED TO SHEET 2 OF 8

REINFORCING SCHEDULE  
STA. 133+13.00

DESIGN AGENCY  
Jane C. Smith  
Consulting, Inc.  
9999 English Drive  
Columbiana, Ohio 43000

DESIGNER  
KEW

REVIEWER  
JOH 01/17/25

PROJECT ID  
131206

SUBSET TOTAL  
8 8

SHEET TOTAL  
P.107 125