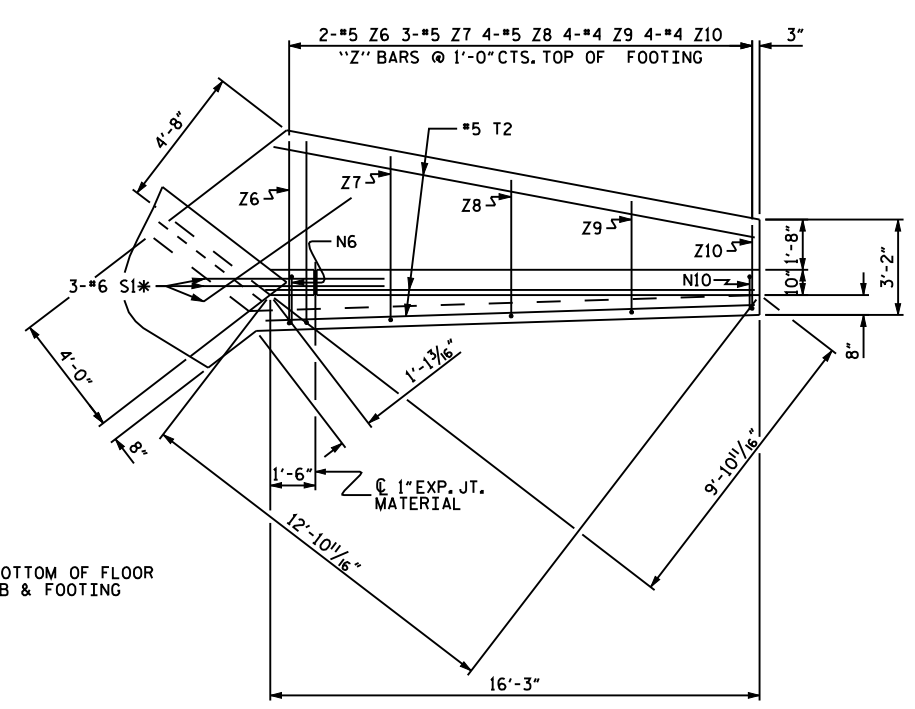
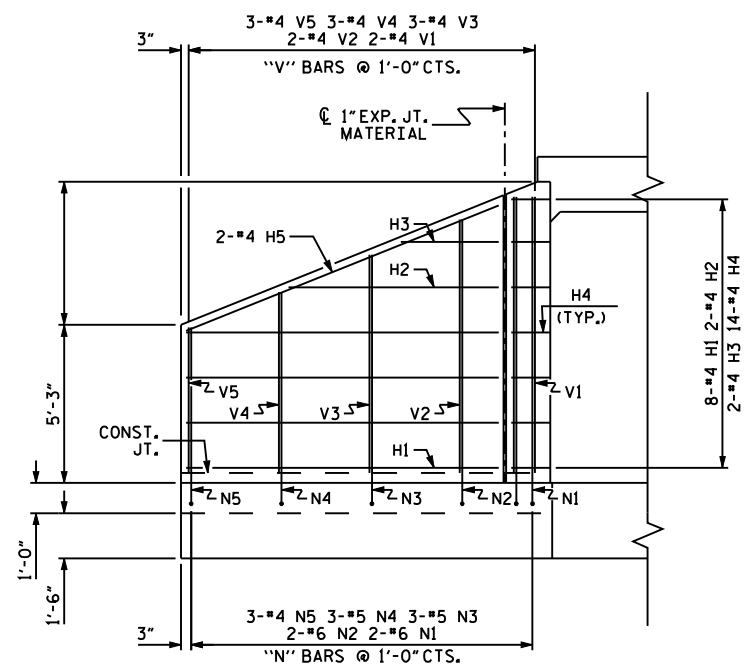


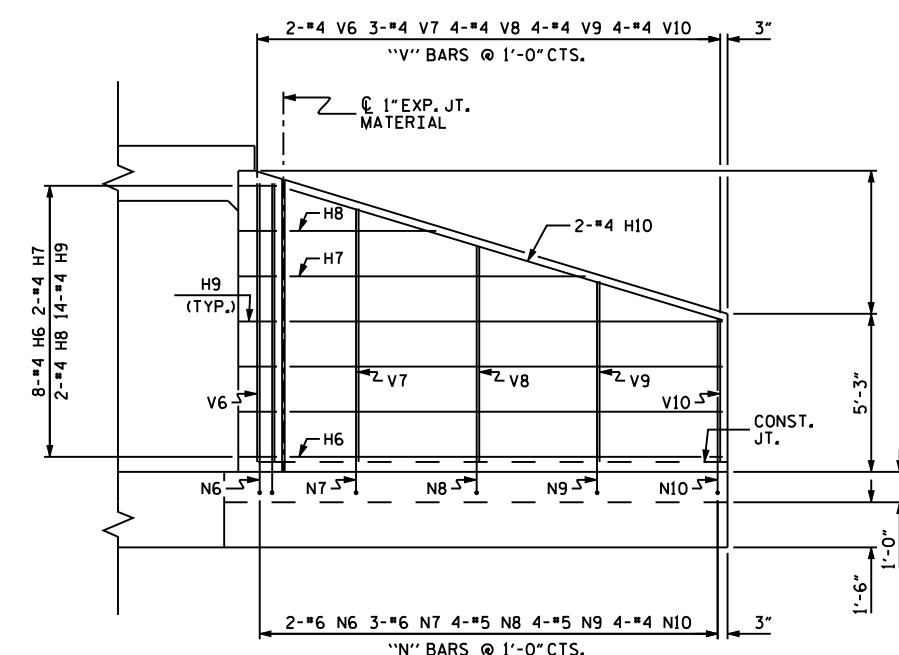
PLAN W2



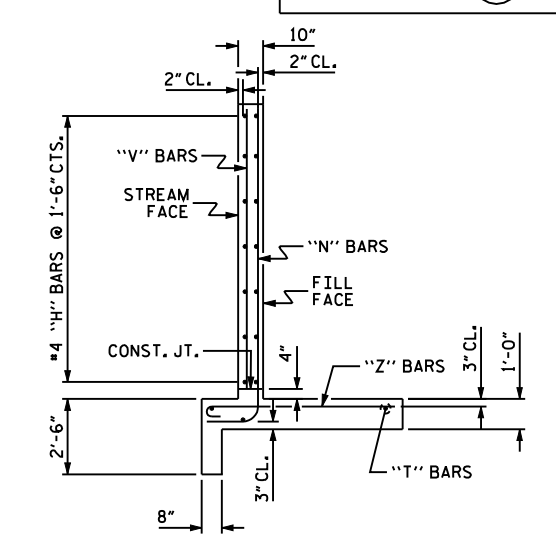
PLAN W1



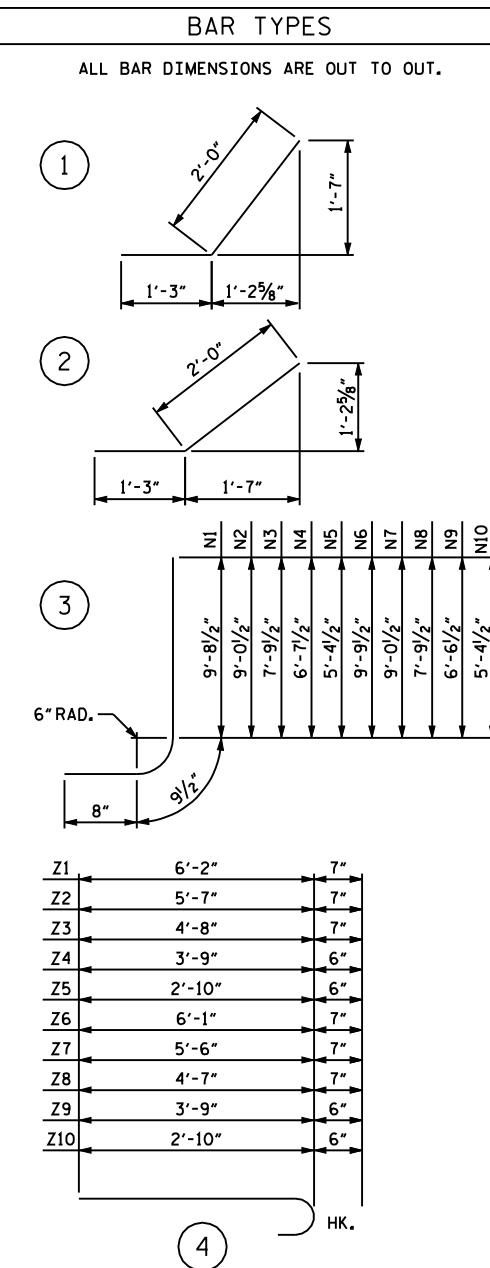
ELEVATION W2



ELEVATION W1



TYPICAL WING SECTION



| | | |
|-----|--------|----|
| Z1 | 6'-2" | 7" |
| Z2 | 5'-7" | 7" |
| Z3 | 4'-8" | 7" |
| Z4 | 3'-9" | 6" |
| Z5 | 2'-10" | 6" |
| Z6 | 6'-1" | 7" |
| Z7 | 5'-6" | 7" |
| Z8 | 4'-7" | 7" |
| Z9 | 3'-9" | 6" |
| Z10 | 2'-10" | 6" |

| BILL OF MATERIAL | | | | | |
|-------------------------------|------|------|--------|--------|-----|
| BAR NO. | SIZE | TYPE | LENGTH | WEIGHT | |
| H1 | 16 | #4 | STR | 10'-4" | 110 |
| H2 | 4 | #4 | STR | 6'-11" | 18 |
| H3 | 4 | #4 | STR | 3'-3" | 9 |
| H4 | 28 | #4 | 1 | 3'-3" | 61 |
| H5 | 4 | #4 | STR | 11'-2" | 30 |
| H6 | 16 | #4 | STR | 14'-4" | 153 |
| H7 | 4 | #4 | STR | 9'-10" | 26 |
| H8 | 4 | #4 | STR | 4'-10" | 13 |
| H9 | 28 | #4 | 2 | 3'-3" | 61 |
| H10 | 4 | #4 | STR | 15'-0" | 40 |
| N1 | 4 | #6 | 3 | 11'-2" | 67 |
| N2 | 4 | #6 | 3 | 10'-6" | 63 |
| N3 | 6 | #5 | 3 | 9'-3" | 58 |
| N4 | 6 | #5 | 3 | 8'-1" | 51 |
| N5 | 6 | #4 | 3 | 6'-10" | 27 |
| N6 | 4 | #6 | 3 | 11'-3" | 68 |
| N7 | 6 | #6 | 3 | 10'-6" | 95 |
| N8 | 8 | #5 | 3 | 9'-3" | 77 |
| N9 | 8 | #5 | 3 | 8'-0" | 67 |
| N10 | 8 | #4 | 3 | 6'-10" | 37 |
| S1 | 12 | #6 | STR | 6'-0" | 108 |
| T1 | 6 | #5 | STR | 12'-3" | 77 |
| T2 | 6 | #5 | STR | 16'-3" | 102 |
| V1 | 4 | #4 | STR | 9'-2" | 24 |
| V2 | 4 | #4 | STR | 8'-5" | 22 |
| V3 | 6 | #4 | STR | 7'-3" | 29 |
| V4 | 6 | #4 | STR | 6'-0" | 24 |
| V5 | 6 | #4 | STR | 4'-10" | 19 |
| V6 | 4 | #4 | STR | 9'-3" | 25 |
| V7 | 6 | #4 | STR | 8'-5" | 34 |
| V8 | 8 | #4 | STR | 7'-2" | 38 |
| V9 | 8 | #4 | STR | 6'-0" | 32 |
| V10 | 8 | #4 | STR | 4'-9" | 25 |
| Z1 | 4 | #5 | 4 | 6'-9" | 28 |
| Z2 | 4 | #5 | 4 | 6'-2" | 26 |
| Z3 | 6 | #5 | 4 | 5'-3" | 33 |
| Z4 | 6 | #4 | 4 | 4'-3" | 17 |
| Z5 | 6 | #4 | 4 | 3'-4" | 13 |
| Z6 | 4 | #5 | 4 | 6'-8" | 28 |
| Z7 | 6 | #5 | 4 | 6'-1" | 38 |
| Z8 | 8 | #5 | 4 | 5'-2" | 43 |
| Z9 | 8 | #4 | 4 | 4'-3" | 23 |
| Z10 | 8 | #4 | 4 | 3'-4" | 18 |
| REINFORCING STEEL FOR 4 WINGS | | | | 1957 | LBS |
| CLASS A CONCRETE | | | | 27.7 | CY |
| 4 WINGS | | | | | CY |
| 2 HEADWALLS | | | | | CY |
| 2 END CURTAIN WALLS | | | | | CY |
| TOTAL | | | | | CY |

PROJECT NO. _____
 _____ COUNTY
 STATION: _____

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
STANDARD WINGS FOR CONCRETE BOX CULVERT
 H = 9'-0" SLOPE = 2:1
 75° OR 105° SKEW

| REVISIONS | | | | | SHEET NO. |
|-----------|-----|-------|-----|-----|-----------|
| NO. | BY: | DATE: | NO. | BY: | DATE: |
| 1 | | | 3 | | |
| 2 | | | 4 | | |

ASSEMBLED BY : _____ DATE : _____
 CHECKED BY : _____ DATE : _____
 DRAWN BY : CCJ 01/00
 CHECKED BY : RWW 03/00