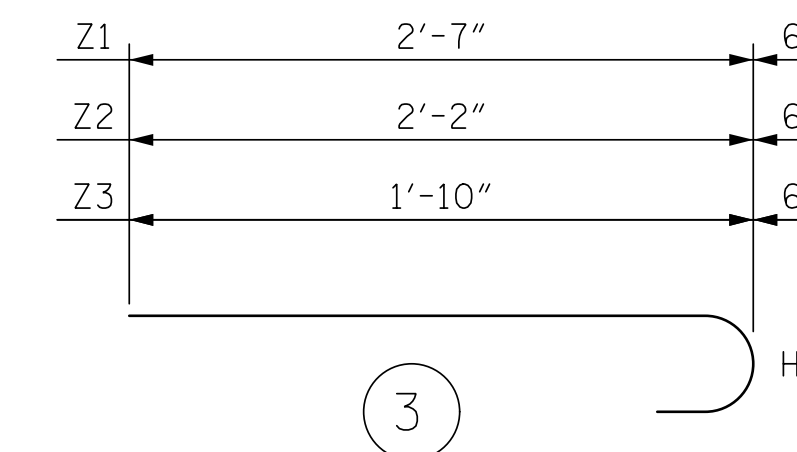
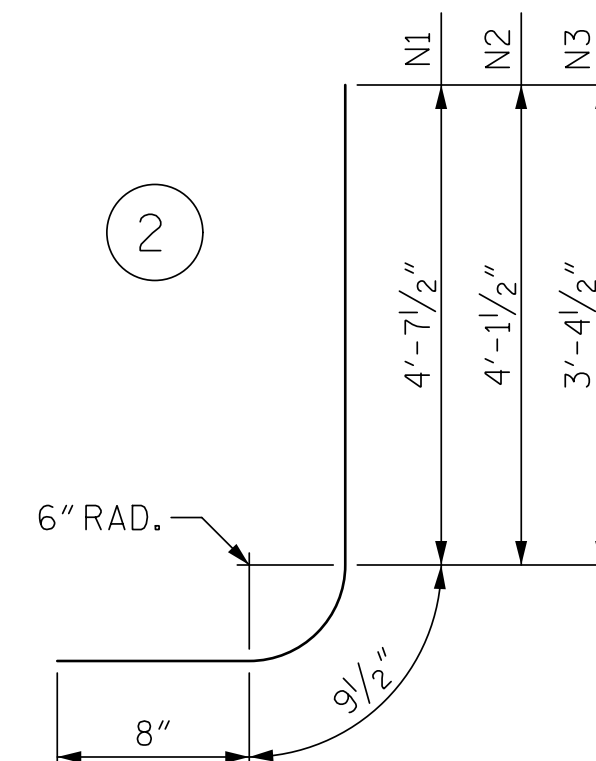
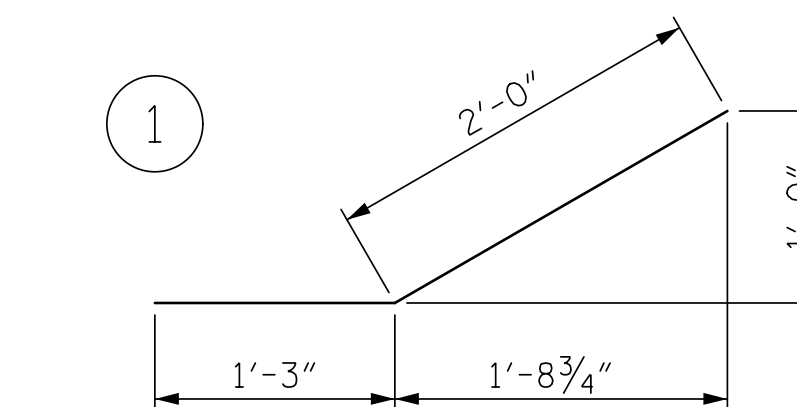
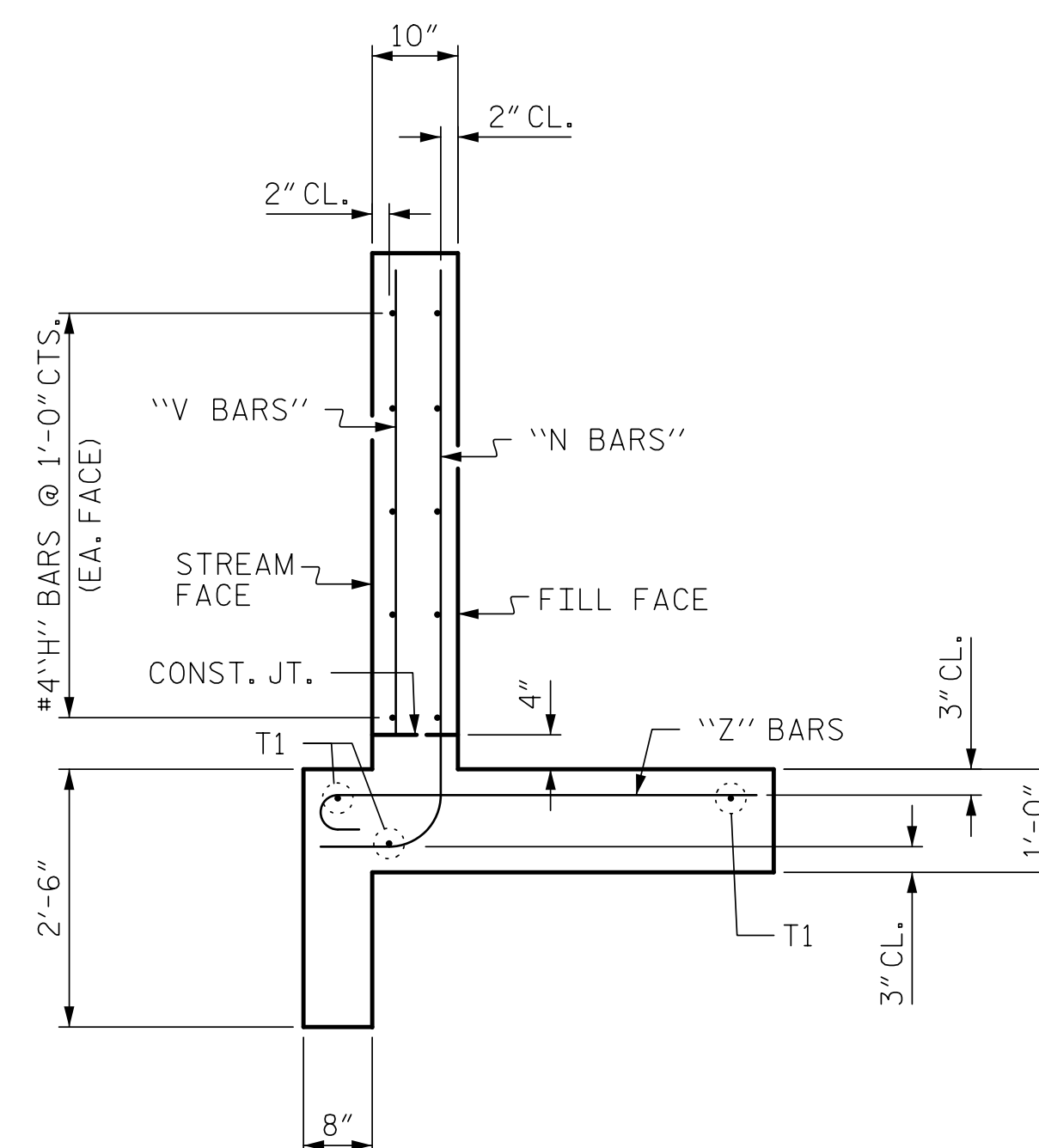
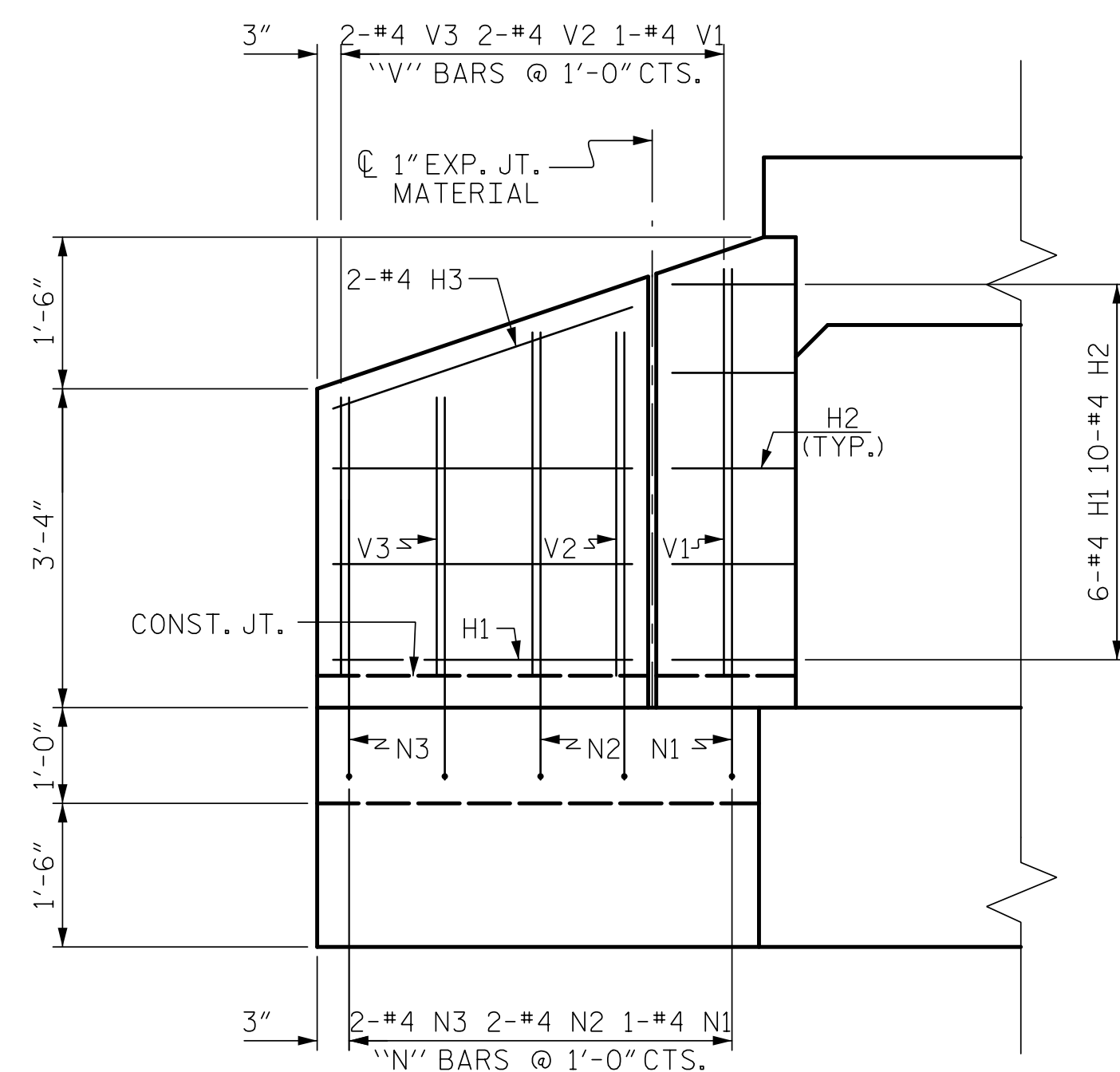
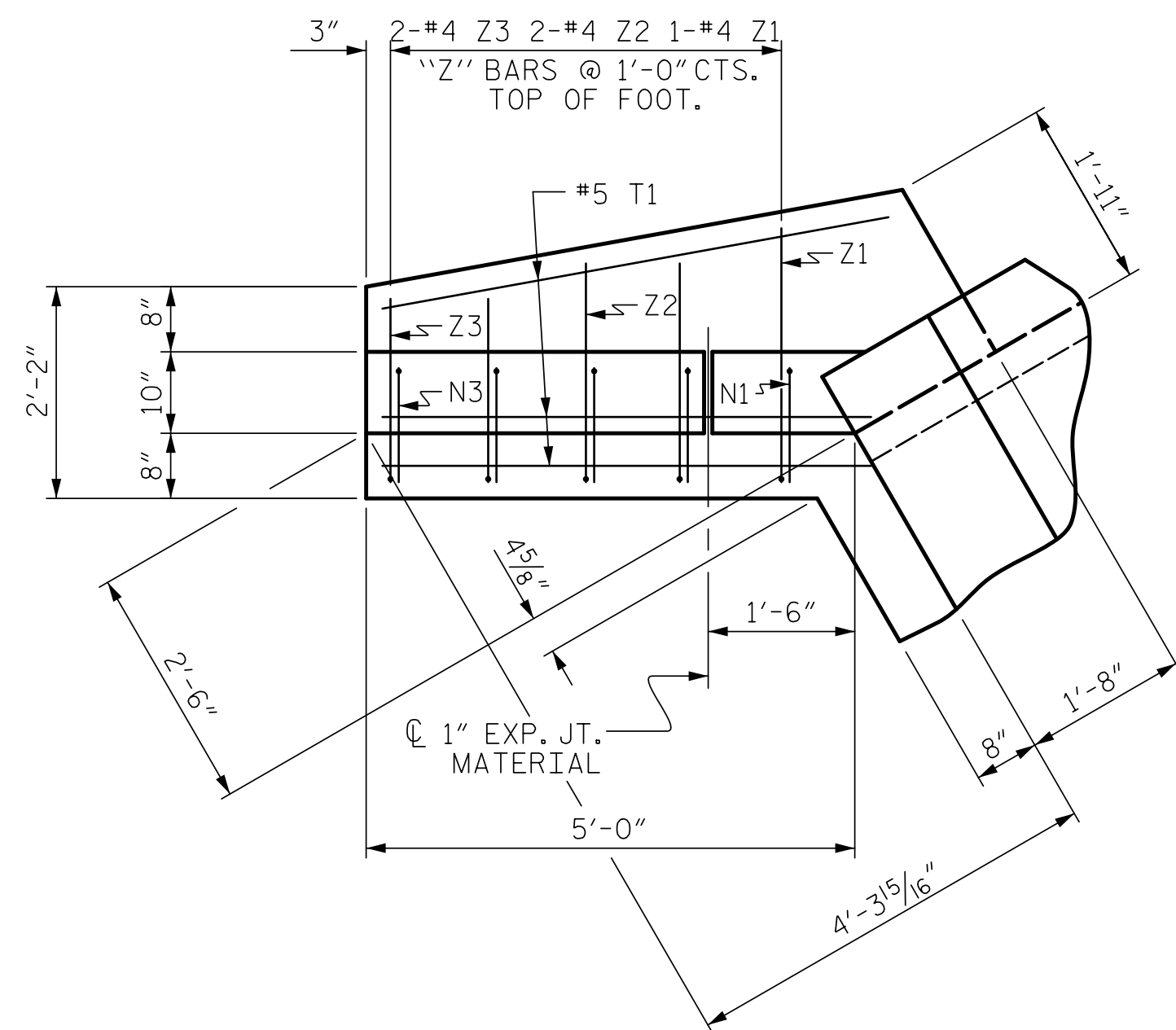




ALL BAR DIMENSIONS ARE OUT TO OUT.

NOTES

A 3 FOOT STRIP OF FILTER FABRIC SHALL BE ATTACHED TO THE FILL FACE OF THE WING COVERING THE ENTIRE LENGTH OF THE EXPANSION JOINT.

G1 BARS IN HEADWALL ARE INCLUDED WITH THE BARREL  
REINFORCING STEEL.

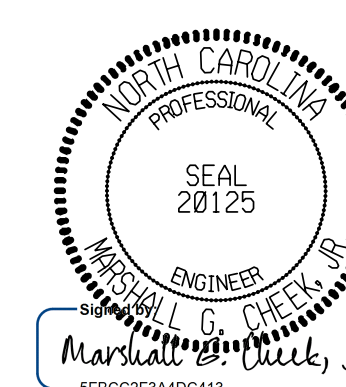
| WING W2          |     |      |      |        |        |
|------------------|-----|------|------|--------|--------|
| BILL OF MATERIAL |     |      |      |        |        |
| BAR              | NO. | SIZE | TYPE | LENGTH | WEIGHT |
| H1               | 6   | #4   | STR  | 3'-1"  | 12     |
| H2               | 10  | #4   | 1    | 3'-3"  | 22     |
| H3               | 2   | #4   | STR  | 3'-3"  | 4      |
| N1               | 1   | #4   | 2    | 6'-1"  | 4      |
| N2               | 2   | #4   | 2    | 5'-7"  | 7      |
| N3               | 2   | #4   | 2    | 4'-10" | 6      |
| T1               | 3   | #5   | STR  | 5'-0"  | 16     |
| V1               | 1   | #4   | STR  | 4'-1"  | 3      |
| V2               | 2   | #4   | STR  | 3'-7"  | 5      |
| V3               | 2   | #4   | STR  | 2'-10" | 4      |
| Z1               | 1   | #4   | 3    | 3'-1"  | 2      |
| Z2               | 2   | #4   | 3    | 2'-8"  | 4      |
| Z3               | 2   | #4   | 3    | 2'-4"  | 3      |

|                                  |        |
|----------------------------------|--------|
| REINFORCING STEEL<br>FOR WING W2 | 92 LBS |
|----------------------------------|--------|

|                  |     |    |
|------------------|-----|----|
| CLASS A CONCRETE |     |    |
| WING W2          | 1.4 | CY |
| TOTAL            | 1.4 | CY |

PROJECT NO. R-5739  
NORTHAMPTON COUNTY  
 STATION: 520+60.00 -L-

SHEET 10 OF 11



7/23/2025

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

**TGS ENGINEERS**  
706 HILLSBOROUGH STREET  
SUITE 200  
RALEIGH, NC 27603  
PH (919) 773-8887  
CORP. LICENSE NO. C-0277

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

INLET WING W2  
FOR  
CONCRETE BOX CULVERT

|           |     |       |     |     |       |                       |
|-----------|-----|-------|-----|-----|-------|-----------------------|
| REVISIONS |     |       |     |     |       | SHEET NO.<br>C6-10    |
| NO.       | BY: | DATE: | NO. | BY: | DATE: |                       |
| 1         |     |       | 3   |     |       | TOTAL<br>SHEETS<br>11 |
| 2         |     |       | 4   |     |       |                       |

STR. #6

DRAWN BY : \_\_\_\_\_ ZCS \_\_\_\_\_ DATE : 8/22  
CHECKED BY : \_\_\_\_\_ MGC \_\_\_\_\_ DATE : 1/23  
DESIGN ENGINEER OF RECORD: \_\_\_\_\_ ZCS \_\_\_\_\_ DATE : 1/23

3/27/2023  
X:\NCDOT\R-5739\Structures\Str.#6 (520 + 60.00 -L-)\Final Plans\DGNs\R-5739-SMU\_CU\_650000.dgn  
User:ZSmith