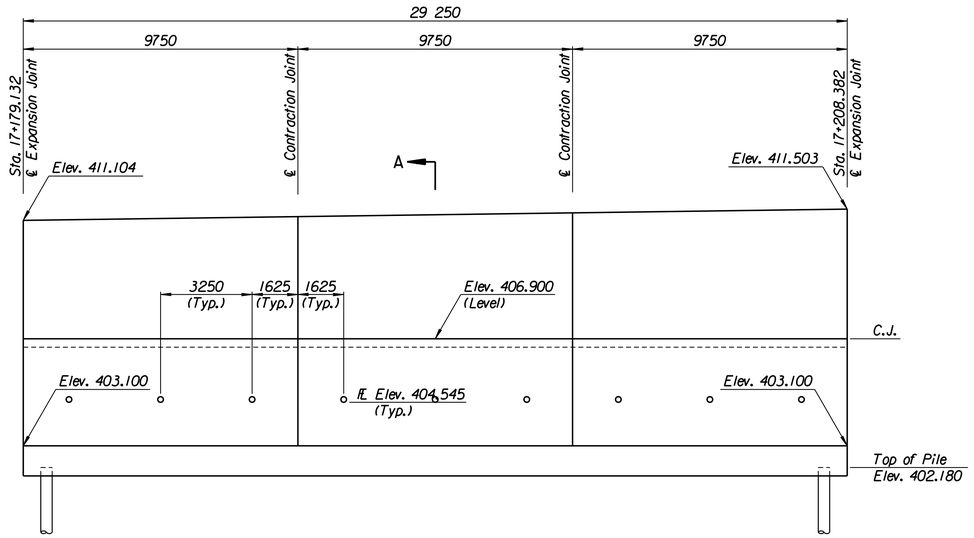
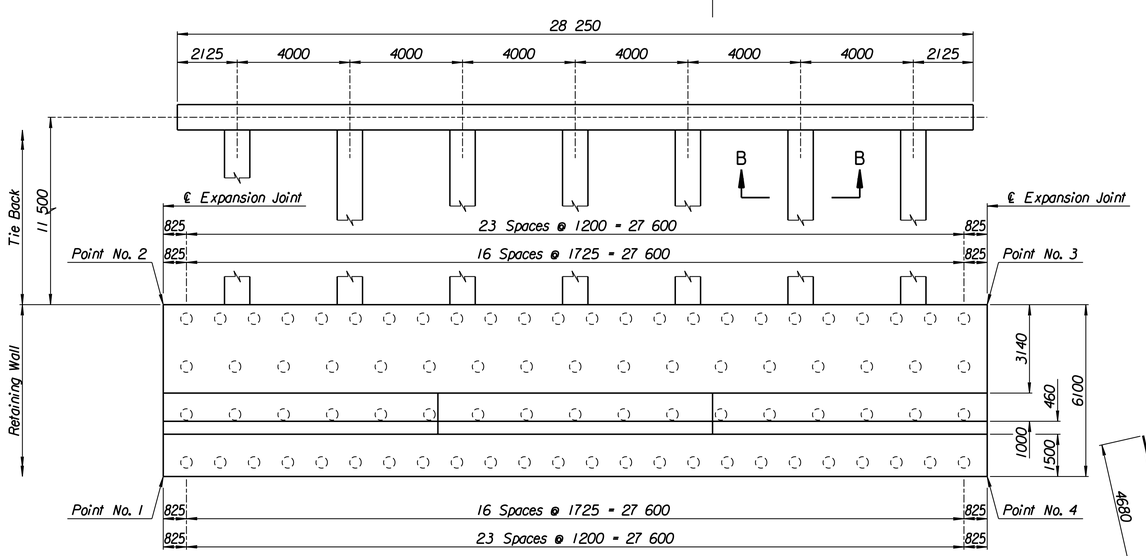
| STATE | PROJECT NO. | YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| KANSAS | 54-87 K-6657-01 | 2002 | 353 | 1122 |



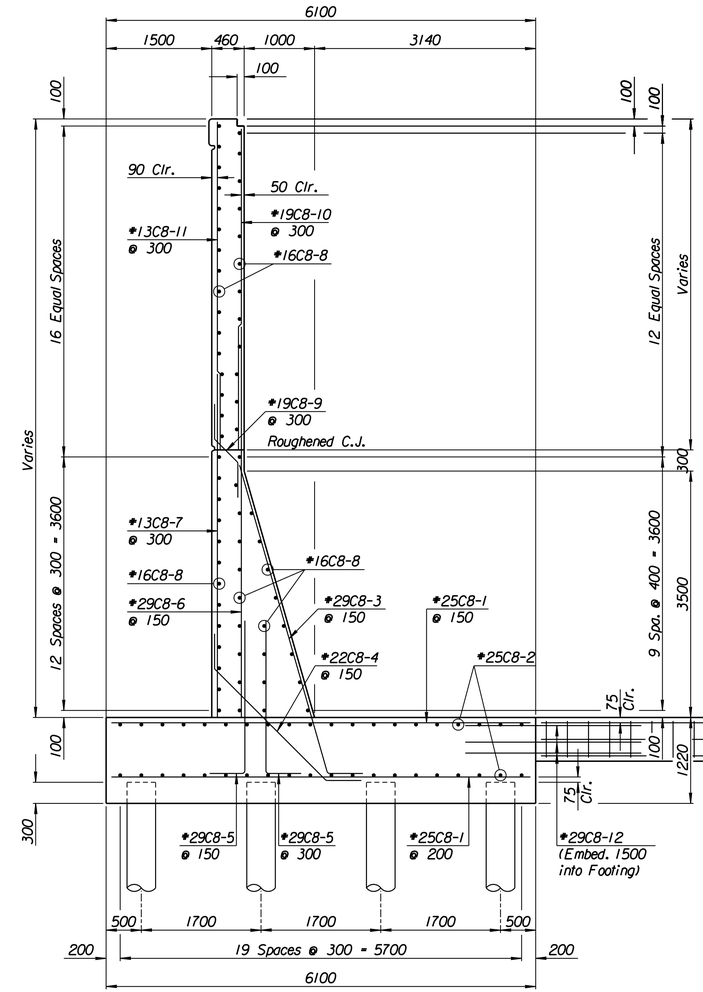

ELEVATION



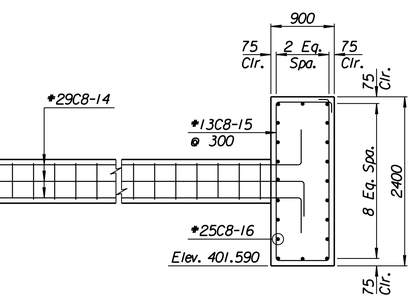

PLAN

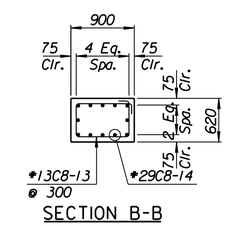
| TIE BACK REINFORCING STEEL | | | | | | | |
|---|---|---|---|---|---|---|---|
| Straight Bars | | | | Bent Bars | | | |
| Mark | Size | Number | Length | Mark | Size | Number | Length |
| C8-16 | #25 | 40 | 15 040 | C8-13 | #13 | 259 | 2740 |
| | | | | C8-14 | #29 | 84 | 12 000 |
| | | | | C8-15 | #13 | 94 | 6300 |

| TIE BACK QUANTITIES | | |
|---|---|---|
| Item | Quantity | Unit |
| Concrete (Grade 30)(AE) | 104.2 | $m^3$ |
| Reinforcing Steel (Grade 420) | 8785 | kg |

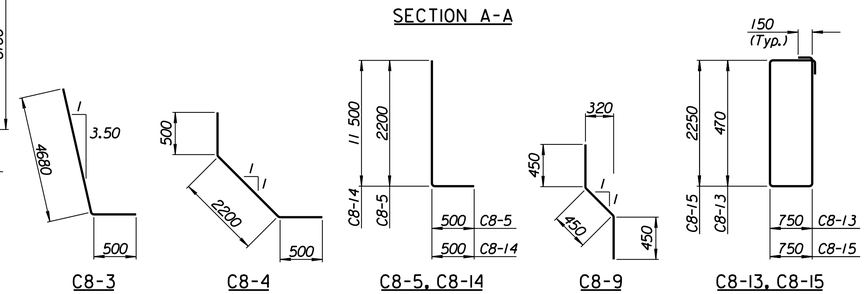



SECTION A-A




SECTION B-B




BENDING DIAGRAMS
All dimensions are out to out of bars.

| LAYOUT INFORMATION | | | | |
|---|---|---|---|---|
| Point No. | North Coordinate | East Coordinate | Station | Offset |
| 1 | 511922.036 | 493081.472 | 17+179.132 | 19.995 Rt. |
| 2 | 511927.569 | 493078.902 | 17+179.132 | 13.895 Rt. |
| 3 | 511939.890 | 493105.430 | 17+208.382 | 13.895 Rt. |
| 4 | 511934.358 | 493108.000 | 17+208.382 | 19.995 Rt. |

| REINFORCING STEEL | | | | | | | |
|---|---|---|---|---|---|---|---|
| Straight Bars | | | | Bent Bars | | | |
| Mark | Size | Number | Length | Mark | Size | Number | Length |
| C8-1 | #25 | 342 | 6020 | C8-3 | #29 | 195 | 5180 |
| C8-2 | #25 | 80 | 15 540 | C8-4 | #22 | 195 | 3200 |
| | | | | C8-5 | #29 | 294 | 2700 |
| C8-6 | #29 | 195 | 6050 | | | | |
| C8-7 | #13 | 99 | 4810 | C8-9 | #19 | 99 | 1350 |
| C8-8 | #16 | 189 | 9650 | | | | |
| | | | | | | | |
| C8-10 | #19 | 99 | 4050 | | | | |
| C8-11 | #13 | 99 | 4150 | | | | |
| C8-12 | #29 | 84 | 4000 | | | | |

| WALL QUANTITIES | | |
|---|---|---|
| Item | Quantity | Unit |
| Pressure Grouted Pile (406 mm) | 984.0 | m |
| Concrete (Grade 30)(AE) | 379.0 | $m^3$ |
| Reinforcing Steel (Grade 420) | 36 722 | kg |
| Class III Excavation | 493.5 | $m^3$ |

**RECORD DRAWING**

| No. | Revisions | By | Date |
|---|---|---|---|
| 1 | | | |

CITY OF WICHITA

# TYLER SOUTHWEST WALL

STA. 17+179.132 TO STA. 17+208.382

SEDGWICK COUNTY


Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003


| Designed by | P.D.F. | Checked by | R.A.S. | |
|---|---|---|---|---|
| Drawn by | W.L.L. | Date | April, 2002 | Job No. 97362 |

Drawn by: wll
Plotted by: drp 3-25-2002
I:/1997/97362/As-Builts/dgn's/Vol 2/Sh 353-Tyler-SWwall-3.dgn Last Rev. 8-24-07 By: gdr