


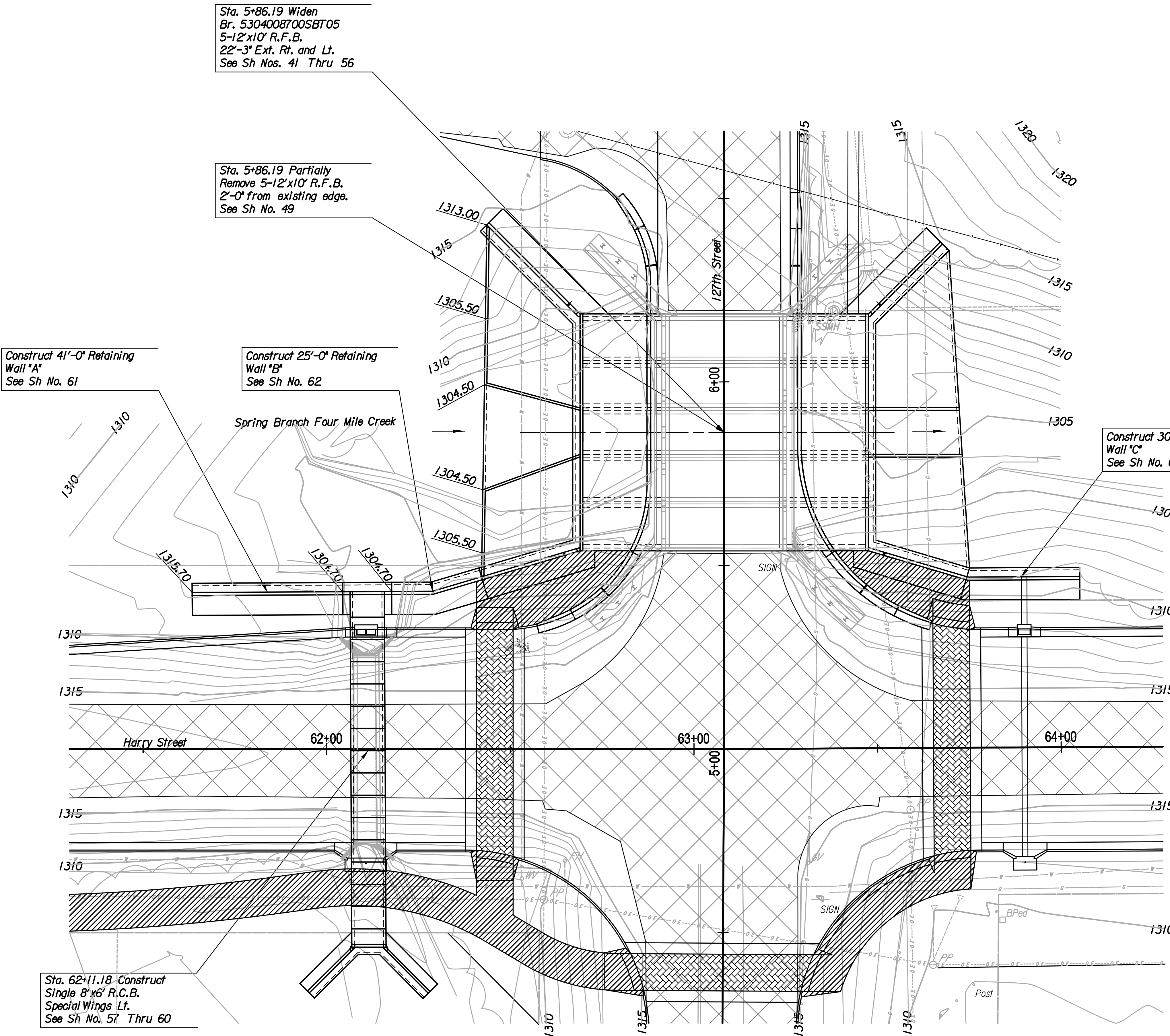
INDEX OF SHEETS

- 40. General Layout
- 41. 5-12x10 RFB General Notes and Layout
- 42. 5-12x10 RFB Details
- 43. 5-12x10 RFB Wing Details NE
- 44. 5-12x10 RFB Wing Details SE
- 45. 5-12x10 RFB Wing Details NW
- 46. 5-12x10 RFB Wing Details SW
- 47. Soil Saver
- 48. Downstream Apron
- 49. RFB Removal Limits
- 50. Corral Rail East
- 51. Corral Rail West
- 52. Bridge Plaque
- 53. Concrete Safety Barrier NE
- 54. Concrete Safety Barrier SE
- 55. Concrete Safety Barrier NW
- 56. Concrete Safety Barrier SW
- 57. 8x6 RCB General Notes and Layout
- 58. 8x6 RCB Details
- 59. 8x6 RCB Wing Details
- 60. 8x6 RCB Special Wing Details
- 61. Retaining Wall Details (Walls A&C)
- 62. Retaining Wall Details (Wall B)
- 63. Handrail Layout
- 64. Handrail Details (View A&B)
- 65. Handrail Details (View C,D & G,H)
- 66. Handrail Details (View E&F)
- 67. Handrail Details (View I&J)
- 68. Handrail Details (View K&L)
- 69. 2-8x8 RCB General Notes and Layout
- 70. 2-8x8 RCB Details
- 71. 2-8x8 RCB Wing Details
- 72. Soil Saver Details
- 73. Handrail Layout and Details
- 74. RCB Extension Standard
- 75. Reinforcing Steel Standard
- 76. Bridge Excavation Standard
- 77. RCB Auxillary Detail Standard
- 78. Precast Standard

DRAINAGE DATA
(5-12'x10' Br. 5304008700SBT05)

| | |
|---|-------------|
| Drainage Area | 6.4 Sq. Mi. |
| Design Frequency | 25 Yr. |
| Design Discharge (Q ₂₅) | 5179 cfs |
| Design High Water Elevation | 1315.61 Ft. |
| Overtopping Elevation (Sta. 55+00) 1315.40 Ft. | |
| Overtopping Discharge | 5180 cfs |
| Overtopping Frequency | 25 Yr. |
| Historic High Water Elevation | Unknown Ft. |
| Q ₁₀₀ | 6800 cfs |
| Highwater Elevation Q ₁₀₀ | 1316.7 Ft. |
| Exit Velocity | 9.0 fps |
| FEMA 100 Yr. Floodplain Elev. (Regulatory) | 1318.3 Ft. |
| FEMA 100 Yr. Floodway Elev. (Regulatory) | 1319.0 Ft. |

| No. | Revisions | By | Date |
|---|-----------|-----------------|-----------|
| CITY OF WICHITA | | | |
| GENERAL LAYOUT | | | |
| 127th and Harry St. | | | |
| PROJECT NO. 87 N-0514-01 | | SEDGWICK COUNTY | |
|  Professional Engineering Consultants, P.A. <small>300 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003</small> | | | |
| Designed by | R..J.M | Checked by | R..A.S. |
| Drawn by | R..J.M | Date | Feb. 2010 |
| | | Job No. | 08778 |



Sta. 5+86.19 Widen
Br. 5304008700SBT05
5-12'x10' R.F.B.
22'-3" Ext. Rt. and Lt.
See Sh Nos. 41 Thru 56

Sta. 5+86.19 Partially
Remove 5-12'x10' R.F.B.
2'-0" from existing edge.
See Sh No. 49

Construct 41'-0" Retaining
Wall "A"
See Sh No. 61

Construct 25'-0" Retaining
Wall "B"
See Sh No. 62

Construct 30'-0" Retaining
Wall "C"
See Sh No. 61

Sta. 62+11.18 Construct
Single 8'x6' R.C.B.
Special Wings Lt.
See Sh No. 57 Thru 60

Plotted By: rjm Plotted: 2/17/2010
File: i:\2008\08778\Office Check\08778-040-5-12x10 Layout.dgn