

GUNPOWDER  
CREEK



3

6

THIS RUN EXECUTED 02-09-86 19:29:26

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 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984  
 ERROR CORR - 01,02,03,04,05,06  
 MODIFICATION - 50,51,52,53,54,55,56  
 IBM-PC-XT VERSION AUGUST 1985  
 \*\*\*\*\*

116.03

T1 HAYES, SEAY, MATTERN & MATTERN CALDWELL CO/LENDIR, NC FIS  
 T2 FILENAME: GUN.HEC ENG: SKE EA: KMC & EKL & DLY COMM 2320  
 T3 GUNPOWDER CREEK, CALDWELL CO., NC DATE: 02/08/86 100 ET

| J1 | ICHECK | INO   | NINV   | IDIR  | STRT    | METRIC | HVINS | Q    | USEI    | FQ     |
|----|--------|-------|--------|-------|---------|--------|-------|------|---------|--------|
|    | 0.     | 8.    | 0.     | 0.    | .000000 | .00    | .0    | 0.   | 115.030 | .000   |
| J2 | NPROF  | IPL0T | PRFVS  | XSECV | XSECH   | FW     | ALLDC | IBW  | CHN1H   | ITRACE |
|    | 15.000 | .000  | -1.000 | .000  | .000    | .000   | .000  | .000 | .000    | .000   |

INLEQ = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

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 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984  
 ERROR CORR - 01,02,03,04,05,06  
 MODIFICATION - 50,51,52,53,54,55,56  
 IBM-PC-XT VERSION AUGUST 1985  
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NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

GUNPOWDER CREEK, CALDWEL

SUMMARY PRINTOUT

| SECNO     | CMSEL  | VCH   |
|-----------|--------|-------|
| 66010.000 | 115.03 | 6.63  |
| 66010.000 | 115.03 | 7.37  |
| 67950.000 | 119.31 | 8.35  |
| 67950.000 | 119.94 | 8.27  |
| 69322.000 | 123.45 | 9.89  |
| 69322.000 | 123.79 | 9.82  |
| 71068.000 | 128.64 | 8.60  |
| 71068.000 | 128.87 | 8.84  |
| 71069.000 | 128.99 | 7.85  |
| 71069.000 | 129.00 | 8.72  |
| 71071.000 | 129.05 | 7.71  |
| 71071.000 | 129.05 | 8.61  |
| 71072.000 | 128.95 | 8.30  |
| 71072.000 | 129.04 | 8.56  |
| 71165.000 | 129.19 | 8.30  |
| 71165.000 | 129.30 | 8.54  |
| 72230.000 | 131.27 | 4.65  |
| 72230.000 | 131.58 | 4.61  |
| 72410.000 | 131.77 | 11.80 |
| 72410.000 | 132.33 | 10.55 |
| 72550.000 | 134.19 | 9.78  |
| 72550.000 | 134.23 | 9.78  |

| SECNO       | CWSEL  | VCH   |
|-------------|--------|-------|
| * 72579.000 | 133.50 | 14.47 |
| * 72579.000 | 133.56 | 14.34 |
| * 72580.000 | 134.00 | 13.94 |
| * 72580.000 | 133.95 | 14.04 |
| 72581.000   | 135.72 | 10.68 |
| 72581.000   | 135.47 | 11.21 |
| 72582.000   | 135.74 | 10.54 |
| 72582.000   | 135.58 | 10.88 |
| 72700.000   | 137.28 | 9.42  |
| 72700.000   | 136.84 | 11.29 |
| 73062.000   | 139.19 | 7.92  |
| 73062.000   | 139.69 | 7.51  |
| 73269.000   | 140.30 | 7.33  |
| 73269.000   | 140.65 | 6.78  |
| 73292.000   | 142.68 | 5.04  |
| 73292.000   | 142.97 | 4.94  |
| 73343.000   | 142.72 | 5.58  |
| 73343.000   | 143.01 | 5.44  |
| 75590.000   | 147.80 | 7.37  |
| 75590.000   | 148.21 | 7.99  |
| 76279.000   | 150.31 | 9.56  |
| 76279.000   | 150.86 | 9.03  |
| 76888.000   | 153.78 | 7.56  |
| 76888.000   | 153.95 | 7.45  |
| 76889.000   | 153.71 | 8.18  |
| 76889.000   | 153.88 | 8.06  |
| 76931.000   | 153.92 | 8.03  |
| 76931.000   | 154.08 | 7.91  |
| 76932.000   | 154.15 | 7.32  |
| 76932.000   | 154.29 | 7.22  |
| 76943.000   | 154.22 | 7.15  |
| 76943.000   | 154.36 | 7.06  |
| 76944.000   | 154.17 | 7.67  |
| 76944.000   | 154.31 | 7.57  |

| SECNO     | CNSEL  | VCH  |
|-----------|--------|------|
| 76977.000 | 154.29 | 7.58 |
| 76977.000 | 154.43 | 7.50 |
| 76978.000 | 154.46 | 7.00 |
| 76978.000 | 154.60 | 6.92 |
| 77128.000 | 154.83 | 7.19 |
| 77128.000 | 154.95 | 7.12 |
| 77160.000 | 155.05 | 6.98 |
| 77160.000 | 155.13 | 7.03 |
| 77161.000 | 155.24 | 6.48 |
| 77161.000 | 155.30 | 6.58 |
| 77161.000 | 155.24 | 6.48 |
| 77161.000 | 155.31 | 6.58 |
| 77162.000 | 155.18 | 6.92 |
| 77162.000 | 155.25 | 6.97 |
| 77211.000 | 155.28 | 6.83 |
| 77211.000 | 155.35 | 6.90 |
| 77960.000 | 156.37 | 6.92 |
| 77960.000 | 156.43 | 7.25 |
| 78171.000 | 156.66 | 7.09 |
| 78171.000 | 156.75 | 7.38 |
| 78172.000 | 156.65 | 7.16 |
| 78172.000 | 156.75 | 7.45 |
| 78179.000 | 156.67 | 7.16 |
| 78179.000 | 156.76 | 7.44 |
| 78180.000 | 156.68 | 7.08 |
| 78180.000 | 156.77 | 7.37 |
| 78232.000 | 156.76 | 7.08 |
| 78232.000 | 156.86 | 7.37 |
| 78621.000 | 157.29 | 8.96 |
| 78621.000 | 157.47 | 8.83 |
| 78798.000 | 157.91 | 8.63 |
| 78798.000 | 158.06 | 8.53 |
| 78799.000 | 157.97 | 8.81 |
| 78799.000 | 158.13 | 8.66 |

| SECNO     | CMSEL  | VCH  |
|-----------|--------|------|
| 78801.000 | 157.99 | 8.79 |
| 78801.000 | 158.15 | 8.64 |
| 78802.000 | 157.98 | 8.58 |
| 78802.000 | 158.14 | 8.47 |
| 78845.000 | 158.08 | 8.71 |
| 78845.000 | 158.23 | 8.60 |
| 79120.000 | 159.43 | 5.26 |
| 79120.000 | 159.53 | 5.60 |
| 79259.000 | 159.57 | 5.69 |
| 79259.000 | 159.69 | 5.99 |
| 79260.000 | 159.76 | 4.04 |
| 79260.000 | 159.91 | 4.30 |
| 79261.000 | 159.77 | 4.04 |
| 79261.000 | 159.91 | 4.30 |
| 79262.000 | 159.70 | 5.61 |
| 79262.000 | 159.83 | 5.90 |
| 79296.000 | 159.74 | 5.70 |
| 79296.000 | 159.87 | 5.98 |
| 79720.000 | 160.36 | 8.49 |
| 79720.000 | 160.50 | 8.98 |
| 81089.000 | 163.52 | 6.52 |
| 81089.000 | 163.82 | 6.42 |
| 81308.000 | 163.86 | 6.42 |
| 81308.000 | 164.14 | 6.34 |
| 81309.000 | 164.04 | 5.74 |
| 81309.000 | 164.29 | 5.73 |
| 81311.000 | 164.05 | 5.74 |
| 81311.000 | 164.30 | 5.72 |
| 81312.000 | 163.99 | 6.34 |
| 81312.000 | 164.25 | 6.28 |
| 81366.000 | 164.04 | 6.54 |
| 81366.000 | 164.31 | 6.46 |
| 81623.000 | 164.50 | 7.48 |
| 81623.000 | 164.74 | 7.29 |



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| SECNO     | CWSEL  | VCH  |
|-----------|--------|------|
| 87067.000 | 182.09 | 3.28 |
| 87067.000 | 182.71 | 3.38 |
| 89810.000 | 186.06 | 5.58 |
| 89810.000 | 186.51 | 5.57 |

## GUNPOWDER CREEK, CALDWEL

## SUMMARY PRINTOUT TABLE 110

| SECHO       | CWSEL  | DIFKVS | EG     | TOPWID | QLOS    | QCH     | QROB    | PERENC | STENCL  | STCHL   | STCHR   | STENCR  |
|-------------|--------|--------|--------|--------|---------|---------|---------|--------|---------|---------|---------|---------|
| 66010.000   | 115.03 | 5.03   | 115.65 | 223.55 | 683.68  | 6775.50 | 73.83   | .00    | .00     | 5097.00 | 5194.00 | .00     |
| 66010.000   | 115.03 | .00    | 115.87 | 97.00  | .00     | 7533.00 | .00     | .12    | 5097.00 | 5097.00 | 5194.00 | 5194.00 |
| 67950.000   | 119.31 | .00    | 120.33 | 196.93 | 402.79  | 7088.40 | 41.81   | .00    | .00     | 5188.00 | 5263.00 | .00     |
| 67950.000   | 119.94 | .63    | 120.98 | 100.00 | 79.29   | 7417.25 | 36.47   | 100.00 | 5172.00 | 5188.00 | 5263.00 | 5272.00 |
| 69322.000   | 123.45 | .00    | 124.85 | 179.48 | 418.46  | 6947.01 | 167.53  | .00    | .00     | 5020.00 | 5074.01 | .00     |
| 69322.000   | 123.79 | .34    | 125.20 | 100.00 | 391.54  | 7081.01 | 60.45   | 100.00 | 4980.00 | 5020.00 | 5074.01 | 5080.00 |
| 71068.000   | 128.64 | .00    | 129.66 | 203.06 | 686.48  | 6630.00 | 216.52  | .00    | .00     | 5020.00 | 5074.01 | .00     |
| 71068.000   | 128.87 | .23    | 129.99 | 100.00 | 554.39  | 6921.33 | 57.28   | 100.00 | 4980.00 | 5020.00 | 5074.01 | 5080.00 |
| 71069.000   | 128.99 | .00    | 129.74 | 207.46 | 1488.81 | 5562.61 | 481.58  | .00    | .00     | 5020.00 | 5074.01 | .00     |
| 71069.000   | 129.00 | .00    | 130.02 | 100.00 | 1230.64 | 6179.95 | 122.40  | 100.00 | 4980.00 | 5020.00 | 5074.01 | 5080.00 |
| 71071.000   | 129.05 | .00    | 129.77 | 208.11 | 1546.68 | 5484.19 | 502.13  | .00    | .00     | 5020.00 | 5074.01 | .00     |
| 71071.000   | 129.05 | .00    | 130.05 | 100.00 | 1279.71 | 6126.45 | 126.84  | 100.00 | 4980.00 | 5020.00 | 5074.01 | 5080.00 |
| 71072.000   | 128.95 | .00    | 129.88 | 206.85 | 759.14  | 6529.15 | 244.71  | .00    | .00     | 5020.00 | 5074.01 | .00     |
| 71072.000   | 129.04 | .09    | 130.07 | 110.00 | 615.78  | 6777.73 | 139.49  | 110.00 | 4975.00 | 5020.00 | 5074.01 | 5085.00 |
| 71165.000   | 129.19 | .00    | 130.12 | 206.85 | 759.10  | 6529.21 | 244.69  | .00    | .00     | 5020.00 | 5074.01 | .00     |
| 71165.000   | 129.30 | .11    | 130.32 | 110.00 | 617.02  | 6776.18 | 139.80  | 110.00 | 4975.00 | 5020.00 | 5074.01 | 5085.00 |
| 72230.000   | 131.27 | .00    | 131.60 | 181.62 | 62.78   | 7436.03 | 34.19   | .00    | .00     | 5000.00 | 5116.00 | .00     |
| 72230.000   | 131.58 | .31    | 131.91 | 116.00 | .00     | 7533.00 | .00     | .02    | 5000.00 | 5000.00 | 5116.00 | 5116.00 |
| 72410.000   | 131.77 | .00    | 133.93 | 114.74 | .00     | 7533.00 | .00     | .00    | .00     | 5000.00 | 5148.80 | .00     |
| 72410.000   | 132.33 | .56    | 134.06 | 148.80 | .00     | 7533.00 | .00     | .00    | 5000.00 | 5000.00 | 5148.80 | 5148.80 |
| 72550.000   | 134.19 | .00    | 135.64 | 145.51 | 11.93   | 7396.28 | 124.79  | .00    | .00     | 5040.00 | 5120.00 | .00     |
| 72550.000   | 134.23 | .05    | 135.70 | 110.00 | 8.73    | 7436.05 | 88.21   | 110.00 | 5035.00 | 5040.00 | 5120.00 | 5145.00 |
| * 72579.000 | 133.50 | .00    | 136.73 | 115.98 | 12.70   | 7482.29 | 38.01   | .00    | .00     | 5014.00 | 5087.50 | .00     |
| * 72579.000 | 133.56 | .06    | 136.73 | 110.00 | 13.74   | 7476.84 | 42.42   | 110.00 | 5005.00 | 5014.00 | 5087.50 | 5115.00 |
| * 72580.000 | 134.00 | .00    | 136.96 | 130.03 | 43.94   | 7379.45 | 109.60  | .00    | .00     | 5014.00 | 5087.50 | .00     |
| * 72580.000 | 133.95 | -.05   | 136.95 | 110.00 | 39.29   | 7382.30 | 111.40  | 110.00 | 5005.00 | 5014.00 | 5087.50 | 5115.00 |
| 72581.000   | 135.72 | .00    | 137.38 | 178.45 | 152.10  | 7001.50 | 379.40  | .00    | .00     | 5014.00 | 5087.50 | .00     |
| 72581.000   | 135.47 | -.26   | 137.33 | 110.00 | 88.74   | 7147.48 | 296.77  | 110.00 | 5005.00 | 5014.00 | 5087.50 | 5115.00 |
| 72582.000   | 135.74 | .00    | 137.39 | 179.52 | 96.96   | 7194.17 | 241.87  | .00    | .00     | 5014.00 | 5087.50 | .00     |
| 72582.000   | 135.58 | -.16   | 137.37 | 110.00 | 48.05   | 7293.13 | 191.83  | 110.00 | 5005.00 | 5014.00 | 5087.50 | 5115.00 |
| 72700.000   | 137.28 | .00    | 138.26 | 196.62 | 231.46  | 5092.70 | 2208.84 | .00    | .00     | 5014.00 | 5066.50 | .00     |
| 72700.000   | 136.84 | -.44   | 138.44 | 110.00 | 200.05  | 5844.36 | 1488.58 | 110.00 | 5000.00 | 5014.00 | 5066.50 | 5110.00 |

| SECNC     | CWSEL  | DIFKWS | EG     | TOPWID | QLOB    | QCH     | QROB   | PERENC | STENCL  | STCHL   | STCHR   | STENCR  |
|-----------|--------|--------|--------|--------|---------|---------|--------|--------|---------|---------|---------|---------|
| 73062.000 | 139.19 | .00    | 140.16 | 101.42 | .00     | 7533.00 | .00    | .00    | .00     | 4965.00 | 5093.00 | .00     |
| 73062.000 | 139.69 | .50    | 140.57 | 104.14 | .00     | 7533.00 | .00    | .00    | 4965.00 | 4965.00 | 5093.00 | 5093.00 |
| 73269.000 | 140.30 | .00    | 141.07 | 107.71 | .00     | 7533.00 | .00    | .00    | .00     | 4965.00 | 5093.00 | .00     |
| 73269.000 | 140.65 | .35    | 141.37 | 109.68 | .00     | 7533.00 | .00    | .00    | 4965.00 | 4965.00 | 5093.00 | 5093.00 |
| 73292.000 | 142.68 | .00    | 143.07 | 169.84 | 15.47   | 7500.67 | 16.86  | .00    | .00     | 4965.00 | 5093.00 | .00     |
| 73292.000 | 142.97 | .29    | 143.35 | 128.00 | .00     | 7533.00 | .00    | .00    | 4965.00 | 4965.00 | 5093.00 | 5093.00 |
| 73343.000 | 142.72 | .00    | 143.20 | 120.98 | .00     | 7533.00 | .00    | .00    | .00     | 4965.00 | 5093.00 | .00     |
| 73343.000 | 143.01 | .29    | 143.47 | 122.58 | .00     | 7533.00 | .00    | .00    | 4965.00 | 4965.00 | 5093.00 | 5093.00 |
| 75590.000 | 147.80 | .00    | 148.31 | 255.14 | 3297.61 | 4177.06 | 58.33  | .00    | .00     | 5357.00 | 5401.00 | .00     |
| 75590.000 | 148.21 | .40    | 148.87 | 145.05 | 2859.23 | 4673.76 | .00    | .12    | 5255.95 | 5357.00 | 5401.00 | 5401.00 |
| 76279.000 | 150.31 | .00    | 151.73 | 85.09  | .00     | 7533.00 | .00    | .00    | .00     | 5001.70 | 5174.01 | .00     |
| 76279.000 | 150.86 | .55    | 152.12 | 86.52  | .00     | 7533.00 | .00    | .00    | 5001.70 | 5001.70 | 5174.01 | 5174.01 |
| 76888.000 | 153.78 | .00    | 154.67 | 91.74  | .00     | 7533.00 | .00    | .00    | .00     | 5001.70 | 5174.01 | .00     |
| 76888.000 | 153.95 | .16    | 154.81 | 92.21  | .00     | 7533.00 | .00    | .00    | 5001.70 | 5001.70 | 5174.01 | 5174.01 |
| 76889.000 | 153.71 | .00    | 154.75 | 91.53  | .00     | 7533.00 | .00    | .00    | .00     | 5000.00 | 5174.01 | .00     |
| 76889.000 | 153.88 | .16    | 154.89 | 92.00  | .00     | 7533.00 | .00    | .00    | 5000.00 | 5000.00 | 5174.01 | 5174.01 |
| 76931.000 | 153.92 | .00    | 154.92 | 92.14  | .00     | 7533.00 | .00    | .00    | .00     | 5000.00 | 5174.01 | .00     |
| 76931.000 | 154.08 | .15    | 155.05 | 92.58  | .00     | 7533.00 | .00    | .00    | 5000.00 | 5000.00 | 5174.01 | 5174.01 |
| 76932.000 | 154.15 | .00    | 154.98 | 92.78  | .00     | 7533.00 | .00    | .00    | .00     | 5001.70 | 5174.01 | .00     |
| 76932.000 | 154.29 | .14    | 155.10 | 93.20  | .00     | 7533.00 | .00    | .00    | 5001.70 | 5001.70 | 5174.01 | 5174.01 |
| 76943.000 | 154.22 | .00    | 155.02 | 90.90  | .00     | 7533.00 | .00    | .00    | .00     | 4975.00 | 5157.51 | .00     |
| 76943.000 | 154.36 | .14    | 155.14 | 91.34  | .00     | 7533.00 | .00    | .00    | 4975.00 | 4975.00 | 5157.51 | 5157.51 |
| 76944.000 | 154.17 | .00    | 155.08 | 90.73  | .00     | 7533.00 | .00    | .00    | .00     | 5000.00 | 5170.02 | .00     |
| 76944.000 | 154.31 | .14    | 155.20 | 91.17  | .00     | 7533.00 | .00    | .00    | 5000.00 | 5000.00 | 5170.02 | 5170.02 |
| 76977.000 | 154.29 | .00    | 155.18 | 91.11  | .00     | 7533.00 | .00    | .00    | .00     | 5000.00 | 5170.02 | .00     |
| 76977.000 | 154.43 | .14    | 155.30 | 91.54  | .00     | 7533.00 | .00    | .00    | 5000.00 | 5000.00 | 5170.02 | 5170.02 |
| 76978.000 | 154.46 | .00    | 155.22 | 91.65  | .00     | 7533.00 | .00    | .00    | .00     | 4975.00 | 5157.51 | .00     |
| 76978.000 | 154.60 | .13    | 155.34 | 92.06  | .00     | 7533.00 | .00    | .00    | 4975.00 | 4975.00 | 5157.51 | 5157.51 |
| 77128.000 | 154.83 | .00    | 155.63 | 90.71  | .00     | 7533.00 | .00    | .00    | .00     | 4975.00 | 5157.51 | .00     |
| 77128.000 | 154.95 | .12    | 155.73 | 91.07  | .00     | 7533.00 | .00    | .00    | 4975.00 | 4975.00 | 5157.51 | 5157.51 |
| 77160.000 | 155.05 | .00    | 155.73 | 167.31 | 684.71  | 6670.32 | 177.97 | .00    | .00     | 5000.00 | 5056.57 | .00     |
| 77160.000 | 155.13 | .08    | 155.82 | 125.00 | 660.37  | 6747.07 | 125.57 | 125.00 | 4946.00 | 5000.00 | 5056.57 | 5071.00 |
| 77161.000 | 155.24 | .00    | 155.77 | 168.81 | 1251.90 | 5951.00 | 330.10 | .00    | .00     | 5000.00 | 5056.57 | .00     |
| 77161.000 | 155.30 | .06    | 155.86 | 125.00 | 1236.38 | 6065.91 | 230.71 | 125.00 | 4946.00 | 5000.00 | 5056.57 | 5071.00 |

| SECD      | CWSEL  | DIFKWS | EG     | TOPWL  | QLOB    | QCH     | QROB    | PERENC | STENCL  | STCHL   | STCHR   | STENCR  |
|-----------|--------|--------|--------|--------|---------|---------|---------|--------|---------|---------|---------|---------|
| 77161.000 | 155.24 | .00    | 155.78 | 168.84 | 1252.14 | 5950.62 | 330.23  | .00    | .00     | 5000.00 | 5056.57 | .00     |
| 77161.000 | 155.31 | .06    | 155.87 | 125.00 | 1236.62 | 6065.62 | 230.76  | 125.00 | 4946.00 | 5000.00 | 5056.57 | 5071.00 |
| 77162.000 | 155.18 | .00    | 155.84 | 168.35 | 692.61  | 6658.55 | 181.83  | .00    | .00     | 5000.00 | 5056.57 | .00     |
| 77162.000 | 155.25 | .07    | 155.93 | 125.00 | 666.07  | 6740.03 | 126.90  | 125.00 | 4946.00 | 5000.00 | 5056.57 | 5071.00 |
| 77211.000 | 155.28 | .00    | 155.92 | 168.03 | 770.31  | 6561.09 | 201.60  | .00    | .00     | 5000.00 | 5056.57 | .00     |
| 77211.000 | 155.35 | .07    | 156.00 | 125.00 | 742.25  | 6649.43 | 141.32  | 125.00 | 4946.00 | 5000.00 | 5056.57 | 5071.00 |
| 77960.000 | 156.37 | .00    | 156.96 | 232.19 | 99.78   | 5961.52 | 1471.70 | .00    | .00     | 5000.00 | 5053.00 | .00     |
| 77960.000 | 156.43 | .06    | 157.11 | 130.00 | 30.43   | 6265.18 | 1237.39 | 130.00 | 4995.00 | 5000.00 | 5053.00 | 5125.00 |
| 78171.000 | 156.66 | .00    | 157.29 | 227.97 | 94.49   | 5998.23 | 1440.28 | .00    | .00     | 5000.00 | 5053.00 | .00     |
| 78171.000 | 156.75 | .09    | 157.46 | 130.00 | 30.07   | 6279.28 | 1225.65 | 130.00 | 4995.00 | 5000.00 | 5053.00 | 5125.00 |
| 78172.000 | 156.65 | .00    | 157.29 | 227.93 | 96.47   | 5965.75 | 1470.79 | .00    | .00     | 5000.00 | 5053.00 | .00     |
| 78172.000 | 156.75 | .09    | 157.47 | 130.00 | 52.68   | 6232.98 | 1247.34 | 130.00 | 4995.00 | 5000.00 | 5053.00 | 5125.00 |
| 78179.000 | 156.67 | .00    | 157.30 | 227.99 | 96.54   | 5965.23 | 1471.23 | .00    | .00     | 5000.00 | 5053.00 | .00     |
| 78179.000 | 156.76 | .09    | 157.48 | 130.00 | 52.75   | 6232.27 | 1247.98 | 130.00 | 4995.00 | 5000.00 | 5053.00 | 5125.00 |
| 78180.000 | 156.68 | .00    | 157.31 | 228.11 | 94.67   | 5996.96 | 1441.36 | .00    | .00     | 5000.00 | 5053.00 | .00     |
| 78180.000 | 156.77 | .09    | 157.48 | 130.00 | 30.10   | 6278.32 | 1224.59 | 130.00 | 4995.00 | 5000.00 | 5053.00 | 5125.00 |
| 78232.000 | 156.76 | .00    | 157.39 | 228.10 | 94.65   | 5997.09 | 1441.26 | .00    | .00     | 5000.00 | 5053.00 | .00     |
| 78232.000 | 156.86 | .10    | 157.57 | 130.00 | 30.11   | 6277.93 | 1224.97 | 130.00 | 4995.00 | 5000.00 | 5053.00 | 5125.00 |
| 78621.000 | 157.29 | .00    | 158.44 | 143.51 | 537.17  | 6942.70 | 53.13   | .00    | .00     | 5000.00 | 5052.00 | .00     |
| 78621.000 | 157.47 | .18    | 158.58 | 143.17 | 555.97  | 6920.73 | 56.30   | 145.00 | 4925.00 | 5000.00 | 5052.00 | 5070.00 |
| 78798.000 | 157.91 | .00    | 158.97 | 148.52 | 583.33  | 6888.50 | 61.17   | .00    | .00     | 5000.00 | 5052.00 | .00     |
| 78798.000 | 158.06 | .15    | 159.09 | 144.71 | 598.49  | 6870.64 | 63.87   | 145.00 | 4925.00 | 5000.00 | 5052.00 | 5070.00 |
| 78799.000 | 157.97 | .00    | 158.99 | 149.12 | 1176.77 | 6232.02 | 124.22  | .00    | .00     | 5000.00 | 5052.00 | .00     |
| 78799.000 | 158.13 | .16    | 159.11 | 144.99 | 1205.82 | 6197.43 | 129.75  | 145.00 | 4925.00 | 5000.00 | 5052.00 | 5070.00 |
| 78801.000 | 157.99 | .00    | 159.01 | 149.33 | 1180.10 | 6228.04 | 124.87  | .00    | .00     | 5000.00 | 5052.00 | .00     |
| 78801.000 | 158.15 | .16    | 159.13 | 145.00 | 1208.09 | 6194.69 | 130.23  | 145.00 | 4925.00 | 5000.00 | 5052.00 | 5070.00 |
| 78802.000 | 157.98 | .00    | 159.03 | 149.31 | 590.64  | 6879.88 | 62.48   | .00    | .00     | 5000.00 | 5052.00 | .00     |
| 78802.000 | 158.14 | .15    | 159.15 | 145.00 | 606.45  | 6861.20 | 65.35   | 145.00 | 4925.00 | 5000.00 | 5052.00 | 5070.00 |
| 78845.000 | 158.08 | .00    | 159.16 | 147.37 | 572.79  | 6900.92 | 59.29   | .00    | .00     | 5000.00 | 5052.00 | .00     |
| 78845.000 | 158.23 | .15    | 159.28 | 144.35 | 588.65  | 6882.27 | 62.07   | 145.00 | 4925.00 | 5000.00 | 5052.00 | 5070.00 |
| 79120.000 | 159.43 | .00    | 159.65 | 453.79 | 1297.94 | 3618.85 | 2616.21 | .00    | .00     | 5000.00 | 5044.50 | .00     |
| 79120.000 | 159.53 | .10    | 159.79 | 330.00 | 1056.62 | 3878.50 | 2597.58 | 330.00 | 4890.00 | 5000.00 | 5044.50 | 5220.00 |
| 79259.000 | 159.57 | .00    | 159.83 | 446.77 | 1207.99 | 3741.62 | 2583.39 | .00    | .00     | 5000.00 | 5044.50 | .00     |
| 79259.000 | 159.69 | .12    | 159.99 | 330.00 | 1002.26 | 3966.91 | 2563.83 | 330.00 | 4890.00 | 5000.00 | 5044.50 | 5220.00 |

| SECNO     | CVSEL  | DIFKWS | EG     | TOPWID | QLOB    | QCH     | QRCB    | PERENC | STENCL  | STCHL   | STCHR   | STENCR  |
|-----------|--------|--------|--------|--------|---------|---------|---------|--------|---------|---------|---------|---------|
| 79260.000 | 159.76 | .00    | 159.88 | 448.23 | 1600.32 | 2571.29 | 3361.39 | .00    | .00     | 5000.00 | 5044.50 | .00     |
| 79260.000 | 159.91 | .14    | 160.05 | 330.00 | 1381.89 | 2768.98 | 3382.12 | 330.00 | 4890.00 | 5000.00 | 5044.50 | 5220.00 |
| 79261.000 | 159.77 | .00    | 159.88 | 448.24 | 1600.54 | 2571.06 | 3361.40 | .00    | .00     | 5000.00 | 5044.50 | .00     |
| 79261.000 | 159.91 | .14    | 160.05 | 330.00 | 1381.82 | 2769.07 | 3382.11 | 330.00 | 4890.00 | 5000.00 | 5044.50 | 5220.00 |
| 79262.000 | 159.70 | .00    | 159.95 | 447.74 | 1225.62 | 3717.53 | 2589.86 | .00    | .00     | 5000.00 | 5044.50 | .00     |
| 79262.000 | 159.83 | .13    | 160.13 | 330.00 | 1014.69 | 3946.72 | 2571.58 | 330.00 | 4890.00 | 5000.00 | 5044.50 | 5220.00 |
| 79296.000 | 159.74 | .00    | 160.00 | 446.66 | 1205.90 | 3744.49 | 2582.62 | .00    | .00     | 5000.00 | 5044.50 | .00     |
| 79296.000 | 159.87 | .14    | 160.18 | 330.00 | 1002.85 | 3965.95 | 2564.20 | 330.00 | 4890.00 | 5000.00 | 5044.50 | 5220.00 |
| 79720.000 | 160.30 | .00    | 161.22 | 338.56 | 1715.82 | 5758.45 | 58.73   | .00    | .00     | 5255.00 | 5315.00 | .00     |
| 79720.000 | 160.50 | .15    | 161.54 | 170.00 | 1343.35 | 6171.17 | 18.48   | 170.00 | 5150.00 | 5255.00 | 5315.00 | 5320.00 |
| 81089.000 | 163.52 | .00    | 164.07 | 231.02 | 1035.06 | 6170.99 | 326.95  | .00    | .00     | 5000.00 | 5065.50 | .00     |
| 81089.000 | 163.82 | .31    | 164.36 | 160.00 | 1058.57 | 6199.75 | 274.68  | 160.00 | 4930.00 | 5000.00 | 5065.50 | 5090.00 |
| 81308.000 | 163.86 | .00    | 164.39 | 234.34 | 1054.23 | 6141.59 | 337.18  | .00    | .00     | 5000.00 | 5065.50 | .00     |
| 81308.000 | 164.14 | .28    | 164.66 | 160.00 | 1072.19 | 6182.06 | 278.75  | 160.00 | 4930.00 | 5000.00 | 5065.50 | 5090.00 |
| 81309.000 | 164.04 | .00    | 164.43 | 238.40 | 1881.35 | 5041.47 | 610.18  | .00    | .00     | 5000.00 | 5065.50 | .00     |
| 81309.000 | 164.29 | .25    | 164.70 | 160.00 | 1910.46 | 5124.93 | 497.62  | 160.00 | 4930.00 | 5000.00 | 5065.50 | 5090.00 |
| 81311.000 | 164.05 | .00    | 164.44 | 238.57 | 1882.05 | 5040.25 | 610.70  | .00    | .00     | 5000.00 | 5065.50 | .00     |
| 81311.000 | 164.30 | .25    | 164.71 | 160.00 | 1911.06 | 5124.13 | 497.81  | 160.00 | 4930.00 | 5000.00 | 5065.50 | 5090.00 |
| 81312.000 | 163.99 | .00    | 164.50 | 236.90 | 1068.86 | 6119.06 | 345.08  | .00    | .00     | 5000.00 | 5065.50 | .00     |
| 81312.000 | 164.25 | .26    | 164.76 | 160.00 | 1082.20 | 6169.06 | 281.74  | 160.00 | 4930.00 | 5000.00 | 5065.50 | 5090.00 |
| 81366.000 | 164.04 | .00    | 164.60 | 230.56 | 1032.39 | 6175.06 | 325.55  | .00    | .00     | 5000.00 | 5065.50 | .00     |
| 81366.000 | 164.31 | .26    | 164.85 | 160.00 | 1052.10 | 6208.17 | 272.73  | 160.00 | 4930.00 | 5000.00 | 5065.50 | 5090.00 |
| 81623.000 | 164.50 | .00    | 165.36 | 122.74 | 2.16    | 7530.84 | .00     | .00    | .00     | 5001.00 | 5110.50 | .00     |
| 81623.000 | 164.74 | .24    | 165.56 | 109.32 | .00     | 7533.00 | .00     | .00    | .00     | 5001.00 | 5001.00 | 5110.50 |
| 82056.000 | 166.39 | .00    | 167.53 | 106.55 | .00     | 7533.00 | .00     | .00    | .00     | 5001.00 | 5110.50 | .00     |
| 82056.000 | 166.53 | .14    | 167.62 | 107.60 | .00     | 7533.00 | .00     | .00    | .00     | 5001.00 | 5001.00 | 5110.50 |
| 82057.000 | 166.31 | .00    | 167.62 | 108.50 | .00     | 7533.00 | .00     | .00    | .00     | 5000.00 | 5110.51 | .00     |
| 82057.000 | 166.45 | .14    | 167.71 | 108.50 | .00     | 7533.00 | .00     | .00    | .00     | 5000.00 | 5110.51 | .00     |
| 82083.000 | 166.61 | .00    | 167.83 | 108.51 | .00     | 7533.00 | .00     | .00    | .00     | 5000.00 | 5110.51 | .00     |
| 82083.000 | 166.72 | .11    | 167.91 | 108.51 | .00     | 7533.00 | .00     | .00    | .00     | 5000.00 | 5110.51 | .00     |
| 82084.000 | 166.89 | .00    | 167.90 | 112.01 | .03     | 7532.96 | .00     | .00    | .00     | 5001.00 | 5110.50 | .00     |
| 82084.000 | 166.99 | .10    | 167.97 | 109.16 | .00     | 7533.00 | .00     | .00    | .00     | 5001.00 | 5001.00 | 5110.50 |
| 82192.000 | 167.46 | .00    | 168.40 | 116.54 | .40     | 7532.60 | .00     | .00    | .00     | 5001.00 | 5110.50 | .00     |
| 82192.000 | 167.54 | .08    | 168.46 | 109.21 | .00     | 7533.00 | .00     | .00    | .00     | 5001.00 | 5001.00 | 5110.50 |

| SECNO     | CVSEL  | DIFKWS | EG     | TOPWID | QLOB    | QCH     | OROB    | PERENC | STENCL  | STCHL   | STCHR   | STENCR  |
|-----------|--------|--------|--------|--------|---------|---------|---------|--------|---------|---------|---------|---------|
| 84070.000 | 172.12 | .00    | 172.46 | 397.05 | 1028.57 | 6143.94 | 360.58  | .00    | .00     | 5260.00 | 5374.00 | .00     |
| 84070.000 | 172.47 | .35    | 172.94 | 171.50 | 563.75  | 6969.25 | .00     | .14    | 5202.50 | 5260.00 | 5374.00 | 5374.00 |
| 86540.000 | 179.94 | .00    | 180.92 | 226.01 | 1162.19 | 2936.99 | 3433.82 | .00    | .00     | 5001.00 | 5020.00 | .00     |
| 86540.000 | 180.59 | .65    | 181.56 | 180.00 | 1031.00 | 3029.23 | 3472.77 | 180.00 | 4950.00 | 5001.00 | 5020.00 | 5130.00 |
| 86583.000 | 180.40 | .00    | 181.28 | 229.09 | 1198.94 | 2868.62 | 5465.43 | .00    | .00     | 5001.00 | 5020.00 | .00     |
| 86583.000 | 180.98 | .57    | 181.89 | 180.00 | 1047.74 | 2993.14 | 3492.12 | 180.00 | 4950.00 | 5001.00 | 5020.00 | 5130.00 |
| 86584.000 | 181.10 | .00    | 181.45 | 236.10 | 1590.86 | 1298.28 | 4643.86 | .00    | .00     | 5000.00 | 5015.51 | .00     |
| 86584.000 | 181.67 | .57    | 182.06 | 180.00 | 1468.18 | 1387.64 | 4677.18 | 180.00 | 4950.00 | 5000.00 | 5015.51 | 5130.00 |
| 86596.000 | 181.22 | .00    | 181.55 | 237.19 | 1600.96 | 1288.10 | 4643.94 | .00    | .00     | 5000.00 | 5015.51 | .00     |
| 86596.000 | 181.79 | .57    | 182.16 | 180.00 | 1476.29 | 1379.67 | 4677.04 | 180.00 | 4950.00 | 5000.00 | 5015.51 | 5130.00 |
| 86597.000 | 181.04 | .00    | 181.75 | 235.39 | 1267.92 | 2742.40 | 3522.68 | .00    | .00     | 5001.00 | 5020.00 | .00     |
| 86597.000 | 181.59 | .56    | 182.37 | 180.00 | 1088.91 | 2904.43 | 3539.66 | 180.00 | 4950.00 | 5001.00 | 5020.00 | 5130.00 |
| 86607.000 | 181.10 | .00    | 181.80 | 235.59 | 1270.02 | 2738.61 | 3524.37 | .00    | .00     | 5001.00 | 5020.00 | .00     |
| 86607.000 | 181.65 | .55    | 182.43 | 180.00 | 1090.11 | 2901.84 | 3541.05 | 180.00 | 4950.00 | 5001.00 | 5020.00 | 5130.00 |
| 86882.000 | 181.99 | .00    | 182.07 | 359.32 | 1411.04 | 2156.86 | 1179.09 | .00    | .00     | 5000.00 | 5050.50 | .00     |
| 86882.000 | 182.60 | .61    | 182.70 | 230.00 | 1351.12 | 2328.09 | 1067.78 | 230.00 | 4900.00 | 5000.00 | 5050.50 | 5130.00 |
| 87029.000 | 182.05 | .00    | 182.14 | 352.74 | 1382.73 | 2208.16 | 1156.10 | .00    | .00     | 5000.00 | 5050.50 | .00     |
| 87029.000 | 182.66 | .61    | 182.76 | 230.00 | 1330.38 | 2364.22 | 1052.40 | 230.00 | 4900.00 | 5000.00 | 5050.50 | 5130.00 |
| 87030.000 | 182.07 | .00    | 182.14 | 353.09 | 1155.32 | 1762.07 | 1829.61 | .00    | .00     | 5000.00 | 5050.50 | .00     |
| 87030.000 | 182.70 | .63    | 182.77 | 230.00 | 1820.83 | 1555.61 | 1370.56 | 230.00 | 4900.00 | 5000.00 | 5050.50 | 5130.00 |
| 87031.000 | 182.07 | .00    | 182.15 | 353.10 | 1132.42 | 1857.66 | 1756.93 | .00    | .00     | 5000.00 | 5050.50 | .00     |
| 87031.000 | 182.70 | .63    | 182.78 | 230.00 | 1755.95 | 1669.32 | 1321.73 | 230.00 | 4900.00 | 5000.00 | 5050.50 | 5130.00 |
| 87032.000 | 182.06 | .00    | 182.16 | 353.01 | 1328.14 | 2313.60 | 1105.26 | .00    | .00     | 5000.00 | 5050.50 | .00     |
| 87032.000 | 182.68 | .62    | 182.80 | 230.00 | 1260.81 | 2408.37 | 997.32  | 230.00 | 4900.00 | 5000.00 | 5050.50 | 5130.00 |
| 87067.000 | 182.09 | .00    | 182.18 | 352.06 | 1379.97 | 2218.49 | 1148.54 | .00    | .00     | 5000.00 | 5050.50 | .00     |
| 87067.000 | 182.71 | .62    | 182.82 | 230.00 | 1315.17 | 2391.36 | 1040.47 | 230.00 | 4900.00 | 5000.00 | 5050.50 | 5130.00 |
| 89810.000 | 186.06 | .00    | 186.34 | 442.29 | 924.37  | 2668.36 | 1154.27 | .00    | .00     | 5280.00 | 5323.00 | .00     |
| 89810.000 | 186.51 | .45    | 186.80 | 240.00 | 833.76  | 2769.90 | 1143.34 | 240.00 | 5190.00 | 5280.00 | 5323.00 | 5430.00 |

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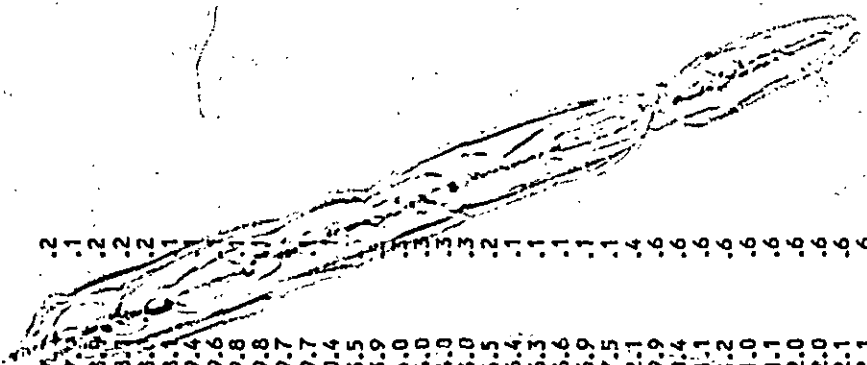
FLOODWAY DATA, GUNPOWDER CREEK, CALDWEL  
PROFILE NO. 2

| STATION   | WIDTH | FLOODWAY SECTION AREA | MEAN VELOCITY | WATER SURFACE ELEVATION WITH FLOODWAY | WATER SURFACE ELEVATION WITHOUT FLOODWAY | DIFFERENCE |
|-----------|-------|-----------------------|---------------|---------------------------------------|------------------------------------------|------------|
| 66010.000 | 97.   | 1022.                 | 7.4           | 115.0                                 | 115.0                                    | .0         |
| 67950.000 | 100.  | 996.                  | 7.6           | 119.9                                 | 119.3                                    | .6         |
| 69322.000 | 100.  | 964.                  | 7.8           | 123.7                                 | 123.4                                    | .3         |
| 71068.000 | 100.  | 1078.                 | 7.0           | 128.8                                 | 128.6                                    | .2         |
| 71069.000 | 100.  | 1009.                 | 7.5           | 129.0                                 | 129.0                                    | .0         |
| 71071.000 | 100.  | 1015.                 | 7.4           | 129.0                                 | 129.0                                    | .0         |
| 71072.000 | 110.  | 1144.                 | 6.6           | 129.0                                 | 128.9                                    | .1         |
| 71165.000 | 110.  | 1146.                 | 6.6           | 129.3                                 | 129.2                                    | .1         |
| 72230.000 | 116.  | 1634.                 | 4.6           | 131.6                                 | 131.3                                    | .3         |
| 72415.000 | 149.  | 714.                  | 10.6          | 132.4                                 | 131.8                                    | .6         |
| 72530.000 | 110.  | 818.                  | 9.2           | 134.2                                 | 134.2                                    | .0         |
| 72579.000 | 110.  | 554.                  | 13.6          | 133.6                                 | 133.5                                    | .1         |
| 72580.000 | 110.  | 572.                  | 13.2          | 134.0                                 | 134.0                                    | .0         |
| 72581.000 | 110.  | 740.                  | 10.2          | 135.5                                 | 135.7                                    | -.2        |
| 72582.000 | 110.  | 776.                  | 9.7           | 135.6                                 | 135.7                                    | -.1        |
| 72700.000 | 110.  | 937.                  | 3.0           | 137.0                                 | 137.3                                    | -.3        |
| 73062.000 | 104.  | 1003.                 | 7.5           | 139.7                                 | 139.2                                    | .5         |
| 73269.000 | 110.  | 1111.                 | 6.8           | 140.7                                 | 140.3                                    | .4         |
| 73292.000 | 128.  | 1525.                 | 4.9           | 143.0                                 | 142.7                                    | .3         |
| 73343.000 | 123.  | 1385.                 | 5.4           | 143.0                                 | 142.7                                    | .3         |
| 75590.000 | 145.  | 1546.                 | 4.9           | 148.2                                 | 147.8                                    | .4         |
| 76279.000 | 87.   | 235.                  | 9.0           | 150.8                                 | 150.3                                    | .5         |
| 76888.000 | 92.   | 1011.                 | 7.5           | 154.0                                 | 153.8                                    | .2         |
| 76889.000 | 92.   | 935.                  | 8.1           | 153.9                                 | 153.7                                    | .2         |
| 76931.000 | 93.   | 952.                  | 7.9           | 154.1                                 | 153.9                                    | .2         |
| 76932.000 | 93.   | 1043.                 | 7.2           | 154.2                                 | 154.1                                    | .1         |
| 76943.000 | 91.   | 1067.                 | 7.1           | 154.3                                 | 154.2                                    | .1         |
| 76944.000 | 91.   | 995.                  | 7.6           | 154.3                                 | 154.2                                    | .1         |
| 76977.000 | 92.   | 1005.                 | 7.5           | 154.4                                 | 154.3                                    | .1         |
| 76978.000 | 92.   | 1088.                 | 6.9           | 154.6                                 | 154.5                                    | .1         |
| 77128.000 | 91.   | 1059.                 | 7.1           | 154.9                                 | 154.8                                    | .1         |
| 77160.000 | 125.  | 1538.                 | 4.9           | 155.2                                 | 155.1                                    | .1         |
| 77161.000 | 125.  | 1512.                 | 5.0           | 155.3                                 | 155.2                                    | .1         |
| 77161.000 | 125.  | 1512.                 | 5.0           | 155.3                                 | 155.2                                    | .1         |
| 77162.000 | 125.  | 1553.                 | 4.9           | 155.3                                 | 155.2                                    | .1         |
| 77211.000 | 125.  | 1548.                 | 4.9           | 155.4                                 | 155.3                                    | .1         |
| 77960.000 | 130.  | 1665.                 | 4.5           | 156.5                                 | 156.4                                    | .1         |
| 78171.000 | 130.  | 1631.                 | 4.6           | 156.8                                 | 156.7                                    | .1         |
| 78172.000 | 130.  | 1618.                 | 4.7           | 156.8                                 | 156.7                                    | .1         |
| 78179.000 | 130.  | 1619.                 | 4.7           | 156.8                                 | 156.7                                    | .1         |
| 78180.000 | 130.  | 1633.                 | 4.6           | 156.8                                 | 156.7                                    | .1         |
| 78232.000 | 130.  | 1634.                 | 4.6           | 156.9                                 | 156.8                                    | .1         |

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FLOODWAY DATA, GUNPOWDER CREEK, CALDWEL  
PROFILE NO. 2

| STATION   | WIDTH | FLOODWAY SECTION AREA | MEAN VELOCITY | WATER SURFACE ELEVATION WITH FLOODWAY | WATER SURFACE ELEVATION WITHOUT FLOODWAY | DIFFERENCE |
|-----------|-------|-----------------------|---------------|---------------------------------------|------------------------------------------|------------|
| 78621.000 | 143.  | 1170.                 | 6.4           | 157.5                                 | 157.3                                    | .2         |
| 78798.000 | 145.  | 1230.                 | 6.1           | 158.0                                 | 157.9                                    | .1         |
| 78799.000 | 145.  | 1147.                 | 6.6           | 158.2                                 | 158.0                                    | .2         |
| 78801.000 | 145.  | 1149.                 | 6.6           | 158.2                                 | 158.1                                    | .1         |
| 78802.000 | 145.  | 1241.                 | 6.1           | 158.2                                 | 158.1                                    | .1         |
| 78845.000 | 144.  | 1216.                 | 6.2           | 158.2                                 | 158.1                                    | .1         |
| 79120.000 | 330.  | 3369.                 | 2.2           | 159.5                                 | 159.4                                    | .1         |
| 79259.000 | 330.  | 3149.                 | 2.4           | 159.7                                 | 159.6                                    | .1         |
| 79260.000 | 330.  | 3194.                 | 2.4           | 159.9                                 | 159.8                                    | .1         |
| 79261.000 | 330.  | 3193.                 | 2.4           | 159.9                                 | 159.8                                    | .1         |
| 79262.000 | 330.  | 3197.                 | 2.4           | 159.8                                 | 159.7                                    | .1         |
| 79296.000 | 330.  | 3152.                 | 2.4           | 159.8                                 | 159.7                                    | .1         |
| 79720.000 | 170.  | 1382.                 | 5.4           | 160.5                                 | 160.4                                    | .1         |
| 81089.000 | 160.  | 1627.                 | 4.6           | 163.8                                 | 163.5                                    | .3         |
| 81308.000 | 160.  | 1651.                 | 4.6           | 164.2                                 | 163.9                                    | .3         |
| 81309.000 | 160.  | 1583.                 | 4.8           | 164.3                                 | 164.0                                    | .3         |
| 81311.000 | 160.  | 1585.                 | 4.8           | 164.3                                 | 164.0                                    | .3         |
| 81312.000 | 160.  | 1668.                 | 4.5           | 164.3                                 | 164.0                                    | .3         |
| 81365.000 | 160.  | 1616.                 | 4.7           | 164.3                                 | 164.0                                    | .3         |
| 81623.000 | 109.  | 1034.                 | 7.3           | 164.7                                 | 164.5                                    | .2         |
| 82056.000 | 108.  | 896.                  | 8.4           | 166.5                                 | 166.4                                    | .1         |
| 82057.000 | 109.  | 835.                  | 9.0           | 166.4                                 | 166.3                                    | .1         |
| 82083.000 | 109.  | 862.                  | 8.7           | 166.7                                 | 166.6                                    | .1         |
| 82084.000 | 109.  | 947.                  | 8.0           | 167.0                                 | 166.9                                    | .1         |
| 82192.000 | 109.  | 975.                  | 7.7           | 167.6                                 | 167.5                                    | .1         |
| 84070.000 | 172.  | 1621.                 | 4.6           | 172.5                                 | 172.1                                    | .4         |
| 86540.000 | 180.  | 1481.                 | 5.1           | 180.5                                 | 179.9                                    | .6         |
| 86583.000 | 180.  | 1522.                 | 4.9           | 181.0                                 | 180.4                                    | .6         |
| 86584.000 | 180.  | 1601.                 | 4.7           | 181.7                                 | 181.1                                    | .6         |
| 86596.000 | 180.  | 1622.                 | 4.6           | 181.8                                 | 181.2                                    | .6         |
| 86597.000 | 180.  | 1634.                 | 4.6           | 181.6                                 | 181.0                                    | .6         |
| 86607.000 | 180.  | 1637.                 | 4.6           | 181.7                                 | 181.1                                    | .6         |
| 86882.000 | 230.  | 2279.                 | 2.1           | 182.6                                 | 182.0                                    | .6         |
| 87029.000 | 230.  | 2184.                 | 2.2           | 182.6                                 | 182.0                                    | .6         |
| 87030.000 | 230.  | 2169.                 | 2.2           | 182.7                                 | 182.1                                    | .6         |
| 87051.000 | 230.  | 2169.                 | 2.2           | 182.7                                 | 182.1                                    | .6         |
| 87032.000 | 230.  | 2189.                 | 2.2           | 182.7                                 | 182.1                                    | .6         |
| 87067.000 | 230.  | 2175.                 | 2.2           | 182.7                                 | 182.1                                    | .6         |
| 89810.000 | 240.  | 1860.                 | 2.6           | 186.5                                 | 186.1                                    | .4         |



230.





THIS RUN EXECUTED 02-10-86 00:52:15

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984  
 ERROR CORR - 01,02,03,04,05,06  
 MODIFICATION - 50,51,52,53,54,55,56  
 IBM-PC-XT VERSION AUGUST 1985  
 \*\*\*\*\*

T1 HAYES, SEAY, MATTERN & MATTERN CALDWELL CO/LENOIR, NC FIS  
 T2 FILENAME: GUN.HEC ENG: SKE EA: KMC & EKL & DLY COMM 2320  
 T3 GUNPOWDER CREEK, CALDWELL CO., NC DATE: 02/06/86 100 ET

| J1 | ICHECK | INQ   | NINV   | IDIR  | STRT    | METRIC | HVINS | Q    | WSEL    | FQ     |
|----|--------|-------|--------|-------|---------|--------|-------|------|---------|--------|
|    | 0.     | 8.    | 0.     | 0.    | .000000 | .00    | .0    | 0.   | 186.500 | .000   |
| J2 | NPROF  | IPLOT | PRFVS  | XSECV | XSECH   | FN     | ALLDC | IBW  | CHNIM   | ITRACE |
|    | 15.000 | .000  | -1.000 | .000  | .000    | .000   | .000  | .000 | .000    | .000   |

INLEQ = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

THIS RUN EXECUTED 02-10-86 00:54:45

\*\*\*\*\*  
HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984  
ERROR CORR - 01,02,03,04,05,06  
MODIFICATION - 50,51,52,53,54,55,56  
IBN-PC-XT VERSION AUGUST 1985  
\*\*\*\*\*

NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

GUNPOWDER CREEK, CALDWEL

## SUMMARY PRINTOUT

| SECNO       | CWSEL  | VCH   |
|-------------|--------|-------|
| 89810.000   | 186.10 | 8.79  |
| 89810.000   | 186.50 | 8.85  |
| 90573.000   | 190.59 | 8.31  |
| 90573.000   | 191.08 | 8.45  |
| 90806.000   | 191.94 | 9.74  |
| 90806.000   | 192.51 | 9.80  |
| * 90844.000 | 192.53 | 10.09 |
| * 90844.000 | 193.02 | 10.42 |
| 90902.000   | 193.82 | 6.48  |
| 90902.000   | 194.50 | 6.46  |
| 91660.000   | 196.33 | 8.87  |
| 91660.000   | 196.84 | 9.19  |
| 92568.000   | 201.10 | 11.30 |
| 92568.000   | 201.95 | 10.60 |
| 92703.000   | 202.18 | 10.32 |
| 92703.000   | 202.77 | 10.47 |
| 92704.000   | 202.97 | 6.61  |
| 92704.000   | 203.63 | 6.67  |
| 92706.000   | 202.99 | 6.59  |
| 92706.000   | 203.64 | 6.66  |
| 92707.000   | 202.80 | 9.36  |
| 92707.000   | 203.45 | 9.45  |

02-10-86

00:48:31

PAGE 2

| SECNO     | CWSEL  | VCH   |
|-----------|--------|-------|
| 92740.000 | 202.90 | 9.67  |
| 92740.000 | 203.54 | 9.77  |
| 93440.000 | 206.98 | 11.01 |
| 93440.000 | 207.62 | 10.83 |
| 93511.000 | 207.49 | 11.38 |
| 93511.000 | 208.13 | 11.25 |
| 93512.000 | 207.44 | 11.87 |
| 93512.000 | 208.03 | 11.96 |
| 93513.000 | 207.46 | 11.85 |
| 93513.000 | 208.04 | 11.97 |
| 93514.000 | 207.84 | 10.55 |
| 93514.000 | 208.62 | 10.14 |
| 93522.000 | 207.92 | 10.91 |
| 93522.000 | 208.68 | 10.49 |
| 93523.000 | 208.66 | 7.57  |
| 93523.000 | 209.33 | 7.50  |
| 93548.000 | 208.99 | 7.62  |
| 93548.000 | 209.65 | 6.92  |
| 93549.000 | 208.82 | 9.03  |
| 93549.000 | 209.52 | 8.66  |
| 93550.000 | 209.22 | 6.54  |
| 93550.000 | 209.88 | 6.37  |
| 93551.000 | 209.22 | 6.55  |
| 93551.000 | 209.89 | 6.38  |
| 93552.000 | 209.08 | 8.53  |
| 93552.000 | 209.76 | 8.19  |
| 93568.000 | 209.14 | 8.72  |
| 93568.000 | 209.82 | 8.37  |
| 94094.000 | 211.39 | 9.80  |
| 94094.000 | 211.91 | 10.05 |
| 94169.000 | 211.83 | 9.66  |
| 94169.000 | 212.36 | 9.90  |
| 94170.000 | 212.12 | 8.92  |
| 94170.000 | 212.66 | 9.19  |

| SECNO     | CWSEL  | VCH  |
|-----------|--------|------|
| 94171.000 | 212.12 | 8.96 |
| 94171.000 | 212.66 | 9.22 |
| 94172.000 | 212.05 | 9.45 |
| 94172.000 | 212.59 | 9.68 |
| 94189.000 | 212.12 | 9.48 |
| 94189.000 | 212.66 | 9.72 |
| 94208.000 | 213.08 | 7.59 |
| 94208.000 | 213.71 | 7.69 |
| 94269.000 | 213.23 | 7.75 |
| 94269.000 | 213.85 | 7.86 |
| 94270.000 | 213.47 | 4.87 |
| 94270.000 | 214.12 | 4.93 |
| 94271.000 | 213.47 | 4.82 |
| 94271.000 | 214.14 | 4.88 |
| 94272.000 | 213.40 | 7.38 |
| 94272.000 | 214.07 | 7.61 |
| 94286.000 | 213.45 | 7.27 |
| 94286.000 | 214.15 | 7.23 |
| 95128.000 | 215.46 | 6.54 |
| 95128.000 | 215.89 | 5.88 |
| 95159.000 | 215.53 | 6.84 |
| 95159.000 | 215.94 | 6.15 |
| 95200.000 | 216.04 | 6.59 |
| 95200.000 | 216.29 | 6.10 |
| 95208.000 | 215.99 | 6.94 |
| 95208.000 | 216.24 | 6.56 |
| 95229.000 | 216.50 | 4.90 |
| 95229.000 | 216.27 | 6.70 |
| 95230.000 | 216.60 | 4.16 |
| 95230.000 | 216.37 | 6.36 |
| 95231.000 | 216.63 | 3.88 |
| 95231.000 | 216.42 | 6.12 |
| 95232.000 | 216.60 | 4.56 |
| 95232.000 | 216.40 | 6.42 |

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| SECNO       | CWSEL  | VCH   |
|-------------|--------|-------|
| 95256.000   | 216.62 | 4.86  |
| 95256.000   | 216.45 | 6.69  |
| * 95730.000 | 219.06 | 8.51  |
| 95730.000   | 219.28 | 8.43  |
| * 96512.000 | 231.59 | 11.74 |
| * 96512.000 | 231.76 | 11.31 |
| * 96587.000 | 232.88 | 11.78 |
| * 96587.000 | 233.02 | 11.42 |
| 96632.000   | 231.86 | 13.86 |
| 96632.000   | 232.12 | 13.48 |
| 96651.000   | 235.03 | 7.73  |
| 96651.000   | 234.52 | 9.43  |
| 96937.000   | 236.26 | 6.96  |
| 96937.000   | 236.48 | 6.74  |
| 97002.000   | 236.52 | 7.30  |
| 97002.000   | 236.71 | 7.09  |
| 97037.000   | 238.41 | 5.57  |
| 97037.000   | 238.77 | 5.32  |
| 97053.000   | 238.40 | 5.97  |
| 97053.000   | 238.77 | 5.68  |
| * 97580.000 | 244.59 | 9.58  |
| * 97580.000 | 244.37 | 10.75 |
| * 97641.000 | 245.73 | 9.88  |
| * 97641.000 | 245.56 | 10.89 |
| * 97689.000 | 246.00 | 9.31  |
| * 97689.000 | 245.88 | 10.56 |
| * 97704.000 | 246.30 | 9.41  |
| * 97704.000 | 246.16 | 10.41 |
| 98200.000   | 251.63 | 8.50  |
| 98200.000   | 252.29 | 8.42  |
| 98219.000   | 251.79 | 9.22  |
| 98219.000   | 252.43 | 9.20  |
| 98220.000   | 252.64 | 4.66  |
| 98220.000   | 253.32 | 4.36  |

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PAGE 8

| SECNO       | CWSEL  | VCH   |
|-------------|--------|-------|
| 98260.000   | 253.60 | 3.00  |
| 98260.090   | 254.23 | 2.88  |
| 98261.000   | 253.53 | 5.81  |
| 98261.000   | 254.16 | 5.89  |
| 98265.000   | 253.52 | 6.23  |
| 98265.000   | 254.15 | 6.32  |
| 99161.000   | 259.29 | 8.72  |
| 99161.000   | 259.43 | 8.35  |
| * 99206.000 | 259.91 | 9.41  |
| * 99206.000 | 259.80 | 9.70  |
| 99253.000   | 260.43 | 7.12  |
| 99253.000   | 260.20 | 8.07  |
| 99265.000   | 260.39 | 8.39  |
| 99265.000   | 260.20 | 9.06  |
| 99360.000   | 261.18 | 9.97  |
| 99360.000   | 261.25 | 9.87  |
| 99393.000   | 261.99 | 10.08 |
| 99393.000   | 262.04 | 10.02 |
| 99606.000   | 273.41 | 3.86  |
| 99606.000   | 273.46 | 3.85  |
| 99615.000   | 273.71 | 1.05  |
| 99615.000   | 273.75 | 1.14  |
| 99657.000   | 273.71 | .53   |
| 99657.000   | 273.76 | .56   |
| 99760.000   | 273.71 | .67   |
| 99760.000   | 273.76 | .72   |
| 99761.000   | 273.72 | .40   |
| 99761.000   | 273.76 | .44   |
| 99769.000   | 273.72 | .40   |
| 99769.000   | 273.76 | .44   |
| 99770.000   | 273.72 | .67   |
| 99770.000   | 273.76 | .72   |
| 99795.000   | 273.72 | .47   |
| 99795.000   | 273.77 | .49   |

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PAGE 9

| SECNO      | CWSEL  | VCH  |
|------------|--------|------|
| 99805.000  | 273.72 | .58  |
| 99805.000  | 273.77 | .62  |
| 100285.000 | 273.73 | .97  |
| 100285.000 | 273.78 | 1.01 |
| 100413.000 | 273.74 | 2.52 |
| 100413.000 | 273.78 | 2.82 |
| 100480.000 | 273.79 | 3.19 |
| 100480.000 | 273.84 | 3.60 |
| 100481.000 | 273.84 | 2.59 |
| 100481.000 | 273.91 | 3.01 |
| 100489.000 | 273.87 | 2.58 |
| 100489.000 | 273.95 | 2.99 |
| 100490.000 | 273.85 | 3.13 |
| 100490.000 | 273.92 | 3.53 |
| 100506.000 | 273.87 | 3.27 |
| 100506.000 | 273.94 | 3.69 |
| 100643.000 | 274.06 | 4.72 |
| 100643.000 | 274.18 | 4.76 |
| 100698.000 | 274.22 | 5.17 |
| 100698.000 | 274.34 | 5.12 |
| 100699.000 | 274.40 | 4.30 |
| 100699.000 | 274.51 | 4.32 |
| 100701.000 | 274.42 | 4.23 |
| 100701.000 | 274.53 | 4.31 |
| 100702.000 | 274.37 | 4.97 |
| 100702.000 | 274.48 | 4.98 |
| 100715.000 | 274.41 | 5.01 |
| 100715.000 | 274.52 | 5.01 |
| 100773.000 | 274.57 | 5.67 |
| 100773.000 | 274.68 | 5.49 |
| 100788.000 | 274.68 | 5.60 |
| 100788.000 | 274.78 | 5.47 |
| 100789.000 | 274.58 | 6.84 |
| 100789.000 | 274.69 | 6.60 |



| SECHO        | CWSEL  | VCH   |
|--------------|--------|-------|
| 100792.000   | 274.66 | 6.67  |
| 100792.000   | 274.76 | 6.48  |
| 100793.000   | 275.03 | 5.09  |
| 100793.000   | 275.07 | 5.09  |
| 100796.000   | 275.01 | 5.51  |
| 100796.000   | 275.05 | 5.46  |
| 100823.000   | 275.11 | 6.19  |
| 100823.000   | 275.14 | 6.16  |
| * 100836.000 | 275.56 | 5.45  |
| * 100836.000 | 275.99 | 5.09  |
| 100861.000   | 275.67 | 5.58  |
| 100861.000   | 276.08 | 5.12  |
| 101187.000   | 278.92 | 11.07 |
| 101187.000   | 278.81 | 11.36 |
| 101210.000   | 280.54 | 8.21  |
| 101210.000   | 280.50 | 8.40  |
| 101249.000   | 282.18 | 4.74  |
| 101249.000   | 283.35 | 4.44  |
| 101255.000   | 282.13 | 5.62  |
| 101255.000   | 283.35 | 4.54  |
| 101276.000   | 282.55 | 2.37  |
| 101276.000   | 283.57 | 3.01  |
| 101299.000   | 282.54 | 3.43  |
| 101299.000   | 283.56 | 3.77  |
| 101300.000   | 282.58 | 2.68  |
| 101300.000   | 283.56 | 3.84  |
| 101330.000   | 282.75 | 2.63  |
| 101330.000   | 283.75 | 3.88  |
| 101331.000   | 282.74 | 3.29  |
| 101331.000   | 283.77 | 3.74  |
| 101336.000   | 282.72 | 3.95  |
| 101336.000   | 283.76 | 4.12  |
| 101356.000   | 282.87 | 3.17  |
| 101356.000   | 283.88 | 3.76  |

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00:48:31

PAGE 11

| SECNO        | CWSEL  | VCH   |
|--------------|--------|-------|
| 101379.000   | 282.90 | 4.94  |
| 101379.000   | 283.93 | 4.85  |
| 101380.000   | 283.02 | 3.08  |
| 101380.000   | 283.90 | 6.01  |
| 101420.000   | 283.31 | 2.58  |
| 101420.000   | 284.74 | 4.61  |
| 101421.000   | 283.30 | 3.99  |
| 101421.000   | 284.80 | 3.72  |
| 101426.000   | 283.28 | 5.16  |
| 101426.000   | 284.80 | 4.24  |
| * 101910.000 | 290.13 | 8.79  |
| * 101910.000 | 289.63 | 10.52 |

THIS RUN EXECUTED 02-05-86 13:34:07

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984  
 ERROR CORR - 01,02,03,04,05,06  
 MODIFICATION - 50,51,52,53,54,55,56  
 IBM-PC-XT VERSION AUGUST 1985  
 \*\*\*\*\*

C  
 T1 HAYES, SEAY, MATTERN & MATTERN CALDWELL CO/LENOIR, NC FIS  
 T2 FILENAME: GUN.HEC ENG: SKE EA: KHC & EKL & DLY COMM 2320  
 T3 GUNPOWDER CREEK, CALDWELL CO., NC DATE: 02/05/86 100 YEAR EVENT

| J1 | ICHECK                              | INQ      | NINV     | IDIR     | STRT      | METRIC   | HVINS    | Q      | WSEL    | FQ     |
|----|-------------------------------------|----------|----------|----------|-----------|----------|----------|--------|---------|--------|
|    | 0.                                  | 4.       | 0.       | 0.       | .001900   | .00      | .0       | 0.     | 110.000 | .000   |
| J2 | NPROF                               | IPLOT    | PRFVS    | XSECV    | XSECH     | FN       | ALLDC    | IBW    | CHNIM   | ITRACE |
|    | -1.000                              | .000     | -1.000   | .000     | .000      | .000     | .000     | .000   | .000    | .000   |
| J3 | VARIABLE CODES FOR SUMMARY PRINTOUT |          |          |          |           |          |          |        |         |        |
|    | 38.000                              | 39.000   | 1.000    | 51.000   | 55.000    | 26.000   | 56.000   | 13.000 | 14.000  | 15.000 |
|    | 43.000                              | 46.000   | 47.000   | .000     | 38.000    | 39.000   | 1.000    | 42.000 | 53.000  | 27.000 |
|    | 21.000                              | 22.000   | 28.000   | 54.000   | 4.000     | .000     | .000     | .000   | .000    | .000   |
| J6 | IHLER                               | ICOPY    |          |          |           |          |          |        |         |        |
|    | 1.000                               | .000     | .000     | .000     | .000      | .000     | .000     | .000   | .000    | .000   |
| QT | 6.000                               | 3135.000 | 6360.000 | 7533.000 | 10898.000 | 4690.000 | 3747.000 | .000   | .000    | .000   |
| NC | .100                                | .100     | .050     | .100     | .300      | .000     | .000     | .000   | .000    | .000   |
| NH | 3.000                               | .090     | 5097.000 | .046     | 5194.000  | .120     | 5359.000 | .000   | .000    | .000   |

ADD 1000 FEET TO EACH ELEVATION TO OBTAIN TRUE ELEVATIONS.  
 ALL CONFLUENCE DISTANCES ARE ROUNDED TO THE CLOSEST FOOT.  
 GUNPOWDER CREEK

X-SECTION GUA

|    |           |          |          |          |         |          |         |          |         |          |
|----|-----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 66010.000 | 19.000   | 5097.000 | 5194.000 | .000    | .000     | .000    | .000     | .000    | .000     |
| GR | 124.000   | 5000.000 | 120.000  | 5020.000 | 116.000 | 5025.000 | 112.000 | 5040.000 | 110.000 | 5055.000 |
| GR | 108.600   | 5097.000 | 103.500  | 5103.000 | 102.000 | 5104.000 | 101.800 | 5109.000 | 101.300 | 5119.000 |
| GR | 100.900   | 5127.000 | 101.800  | 5135.000 | 102.000 | 5144.000 | 102.900 | 5147.000 | 104.500 | 5159.000 |
| GR | 111.700   | 5194.000 | 116.000  | 5269.000 | 120.000 | 5304.000 | 124.000 | 5359.000 | .000    | .000     |

MH 3.000 .140 5188.000 .046 5263.000 .140 5313.000 .000 .000 .000  
 X SECTION GUB

X1 67950.000 20.000 5188.000 5263.000 1900.000 1710.000 1940.000 .000 .000 .000  
 GR 132.000 5000.000 126.000 5050.000 124.000 5070.000 120.000 5090.000 116.000 5098.000  
 GR 115.800 5188.000 112.450 5196.000 106.600 5204.000 106.000 5205.000 104.860 5206.000  
 GR 105.300 5218.000 104.600 5226.000 106.000 5233.000 106.070 5241.000 108.000 5251.000  
 GR 114.300 5261.000 115.500 5263.000 120.000 5293.000 128.000 5303.000 132.000 5313.000  
 MC .140 .100 .046 .100 .300 .000 .000 .000 .000 .000

FIRST X-SECTION FOR PIPE U/S SEWER PLANT 14A

X1 69322.000 20.000 5020.000 5074.010 1372.000 1372.000 1372.000 .000 .000 .000  
 GR 140.000 4805.000 136.000 4890.000 132.000 4912.000 128.000 4919.000 124.000 4989.000  
 GR 121.800 5000.000 121.150 5020.000 119.650 5020.010 115.830 5030.000 112.660 5035.500  
 GR 112.320 5045.500 111.630 5055.500 112.830 5062.000 119.890 5074.000 121.390 5074.010  
 GR 124.000 5084.000 128.000 5114.000 132.000 5157.000 136.000 5242.000 140.000 5272.000  
 MC .110 .110 .044 .300 .500 .000 .000 .000 .000 .000  
 X1 71068.000 .000 .000 .000 1536.000 1726.000 1746.000 .000 .000 .000  
 X5 10.000 .000 .000 .000 .000 .000 .000 .000 3.940 .000

X1 71069.000 20.000 5020.000 5074.010 1.000 1.000 1.000 .000 .000 .000  
 BT -20.000 4805.000 140.000 140.000 4890.000 136.000 4912.000 4912.000 124.000 4989.000  
 BT .000 4919.000 128.000 128.000 4989.000 124.000 124.000 5000.000 121.800 132.000  
 BT .000 5020.000 121.150 121.150 5020.010 121.150 119.650 5030.000 121.240 121.800  
 BT .000 5035.500 121.290 119.780 5045.500 121.380 119.880 5055.500 121.380 119.740  
 BT .000 5062.000 121.390 119.890 5074.000 121.390 119.890 5074.010 121.390 121.390  
 BT .000 5084.000 124.000 124.000 5114.000 128.000 128.000 5157.000 132.000 132.000  
 BT .000 5242.000 136.000 136.000 5272.000 140.000 140.000 4919.000 124.000 4989.000  
 GR 140.000 4805.000 136.000 4890.000 132.000 4912.000 128.000 4919.000 124.000 4989.000  
 GR 121.800 5000.000 121.150 5020.000 119.650 5020.010 115.830 5030.000 112.660 5035.500  
 GR 112.320 5045.500 111.630 5055.500 112.830 5062.000 119.890 5074.000 121.390 5074.010  
 GR 124.000 5084.000 128.000 5114.000 132.000 5157.000 136.000 5242.000 140.000 5272.000

MC .120 .120 .050 .000 .000 .000 .000 .000 .000 .000  
 X1 71071.000 .000 .000 .000 2.000 2.000 2.000 .000 .000 .000  
 X2 .000 .000 .000 .000 .000 .000 .000 .000 1.000 .000

X1 71072.000 20.000 5020.000 5074.010 1.000 1.000 1.000 .000 .000 .000  
 X3 10.000 .000 .000 .000 .000 .000 .000 .000 121.390 .000  
 GR 140.000 4805.000 136.000 4890.000 132.000 4912.000 128.000 4919.000 124.000 4989.000  
 GR 121.800 5000.000 121.150 5020.000 119.650 5020.010 115.830 5030.000 112.660 5035.500  
 GR 112.320 5045.500 111.630 5055.500 112.830 5062.000 119.890 5074.000 121.390 5074.010  
 GR 124.000 5084.000 128.000 5114.000 132.000 5157.000 136.000 5242.000 140.000 5272.000



|    |           |          |          |          |          |          |         |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|---------|----------|---------|----------|
| NC | .150      | .110     | .055     | .300     | .500     | .000     | .000    | .000     | .000    | .000     |
| X1 | 72580.000 | 26.000   | 5014.000 | 5087.500 | 1.000    | 1.000    | 1.000   | .000     | .000    | .000     |
| BT | -26.000   | 4890.000 | 152.000  | 152.000  | 4906.000 | 148.000  | 148.000 | 4936.000 | 144.000 | 144.000  |
| BT | .000      | 4956.000 | 140.000  | 140.000  | 4974.000 | 136.000  | 136.000 | 5014.000 | 132.000 | 132.000  |
| BT | .000      | 5034.000 | 128.000  | 128.000  | 5035.500 | 127.400  | 127.400 | 5038.500 | 125.920 | 125.920  |
| BT | .000      | 5038.510 | 125.920  | 125.250  | 5046.000 | 126.020  | 125.350 | 5051.000 | 126.080 | 125.410  |
| BT | .000      | 5056.000 | 126.140  | 125.470  | 5061.000 | 126.210  | 125.540 | 5066.000 | 126.270 | 125.600  |
| BT | .000      | 5069.500 | 126.310  | 125.650  | 5071.500 | 126.340  | 125.670 | 5074.500 | 126.380 | 125.710  |
| BT | .000      | 5074.510 | 126.380  | 126.380  | 5078.500 | 127.480  | 127.480 | 5087.500 | 132.000 | 132.000  |
| BT | .000      | 5160.500 | 136.000  | 136.000  | 5180.500 | 140.000  | 140.000 | 5210.500 | 144.000 | 144.000  |
| BT | .000      | 5221.500 | 148.000  | 148.000  | 5241.500 | 152.000  | 152.000 | .000     | .000    | .000     |
| GR | 152.000   | 4890.000 | 148.000  | 4906.000 | 144.000  | 4936.000 | 140.000 | 4956.000 | 136.000 | 4974.000 |
| GR | 132.000   | 5014.000 | 128.000  | 5034.000 | 127.400  | 5035.500 | 125.920 | 5038.500 | 125.250 | 5038.510 |
| GR | 123.310   | 5046.000 | 123.080  | 5051.000 | 122.830  | 5056.000 | 123.020 | 5061.000 | 123.360 | 5066.000 |
| GR | 123.370   | 5069.500 | 124.530  | 5071.500 | 125.710  | 5074.500 | 126.380 | 5074.510 | 127.480 | 5078.500 |
| GR | 132.000   | 5087.500 | 136.000  | 5160.500 | 140.000  | 5180.500 | 144.000 | 5210.500 | 148.000 | 5221.500 |
| GR | 152.000   | 5241.500 | .000     | .000     | .000     | .000     | .000    | .000     | .000    | .000     |

|    |           |      |      |      |       |       |       |      |      |      |
|----|-----------|------|------|------|-------|-------|-------|------|------|------|
| X1 | 72581.000 | .000 | .000 | .000 | 1.000 | 1.000 | 1.000 | .000 | .000 | .000 |
| X2 | .000      | .000 | .000 | .000 | .000  | .000  | 1.000 | .000 | .000 | .000 |

|    |           |      |      |      |       |       |       |      |      |      |
|----|-----------|------|------|------|-------|-------|-------|------|------|------|
| X1 | 72582.000 | .000 | .000 | .000 | 1.000 | 1.000 | 1.000 | .000 | .000 | .000 |
|----|-----------|------|------|------|-------|-------|-------|------|------|------|

|    |      |      |      |      |      |      |      |      |      |      |
|----|------|------|------|------|------|------|------|------|------|------|
| NC | .150 | .120 | .055 | .100 | .300 | .000 | .000 | .000 | .000 | .000 |
|----|------|------|------|------|------|------|------|------|------|------|

|    |           |          |          |          |         |          |         |          |         |          |
|----|-----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 72700.000 | 34.000   | 5000.000 | 5126.500 | 108.500 | 113.500  | 118.000 | .000     | .000    | .000     |
| GR | 160.000   | 4849.500 | 156.000  | 4879.500 | 152.000 | 4889.500 | 148.000 | 4919.500 | 144.000 | 4946.500 |
| GR | 140.000   | 4966.500 | 136.000  | 4998.500 | 131.870 | 5000.600 | 130.150 | 5014.000 | 130.070 | 5021.000 |
| GR | 129.870   | 5027.000 | 128.160  | 5031.000 | 125.930 | 5036.000 | 124.840 | 5036.500 | 124.630 | 5041.500 |
| GR | 124.530   | 5046.500 | 124.390  | 5050.500 | 124.360 | 5054.500 | 124.990 | 5057.500 | 127.960 | 5062.500 |
| GR | 128.950   | 5066.500 | 128.530  | 5076.500 | 128.950 | 5086.500 | 129.160 | 5096.500 | 129.780 | 5106.500 |
| GR | 130.260   | 5116.500 | 130.960  | 5126.500 | 136.000 | 5178.500 | 140.000 | 5198.500 | 144.000 | 5218.500 |
| GR | 148.000   | 5248.500 | 152.000  | 5265.500 | 156.000 | 5295.500 | 160.000 | 5320.500 | .000    | .000     |

|    |       |      |          |      |          |      |          |      |      |      |
|----|-------|------|----------|------|----------|------|----------|------|------|------|
| NH | 3.000 | .130 | 4965.000 | .055 | 5093.000 | .110 | 5153.000 | .000 | .000 | .000 |
|----|-------|------|----------|------|----------|------|----------|------|------|------|

FIRST X-SECTION FOR BRIDGE # 14.

|    |           |          |          |          |         |          |         |          |         |          |
|----|-----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 73062.000 | 13.000   | 4965.000 | 5093.000 | 406.500 | 351.500  | 362.000 | .000     | .050    | .000     |
| GR | 148.000   | 4900.000 | 144.000  | 4965.000 | 130.110 | 5000.060 | 125.500 | 5003.010 | 124.230 | 5010.000 |
| GR | 124.350   | 5020.000 | 124.850  | 5030.000 | 125.180 | 5040.000 | 125.500 | 5048.000 | 126.510 | 5050.500 |
| GR | 130.100   | 5052.000 | 144.000  | 5093.000 | 148.000 | 5153.000 | .000    | .000     | .000    | .000     |

|    |           |      |          |      |          |         |          |         |         |      |
|----|-----------|------|----------|------|----------|---------|----------|---------|---------|------|
| NC | .000      | .000 | .000     | .300 | .500     | .000    | .000     | .000    | .000    | .000 |
| NH | 3.000     | .130 | 4965.000 | .055 | 5093.000 | .110    | 5153.000 | .000    | .000    | .000 |
| X1 | 73269.000 | .000 | .000     | .000 | 207.000  | 207.000 | 207.000  | .000    | .050    | .000 |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000    | .000     | 141.190 | 141.190 | .000 |

NH 3.000 .130 4965.000 .055 5093.000 .110 5153.000 .000 .000 .000

BRIDGE # 14, SR 1715.  
ELLCC =

ETRD =

SKEW ANGLE = 45.

|    |                      |          |          |          |                 |                 |                 |          |          |  |
|----|----------------------|----------|----------|----------|-----------------|-----------------|-----------------|----------|----------|--|
|    | <del>73270.000</del> |          |          |          | <del>23.0</del> | <del>23.0</del> | <del>23.0</del> |          |          |  |
| X1 | 21.000               | 5000.000 | 5053.010 | 4965.000 | 144.000         | 140.000         | 5000.000        | 141.190  | 130.110  |  |
| BT | 4900.000             | 148.000  | 148.000  | 5000.050 | 143.890         | 130.110         | 5000.060        | 143.890  | 138.670  |  |
| BT | 5000.010             | 143.890  | 130.110  | 5003.010 | 143.890         | 138.670         | 5010.000        | 143.900  | 138.670  |  |
| BT | 5003.000             | 143.890  | 138.670  | 5030.000 | 143.910         | 138.660         | 5040.000        | 143.910  | 138.660  |  |
| BT | 5020.000             | 143.900  | 138.670  | 5050.500 | 143.920         | 138.660         | 5050.510        | 143.920  | 138.660  |  |
| BT | 5048.000             | 143.910  | 138.660  | 5052.010 | 143.920         | 130.100         | 5053.000        | 143.920  | 130.100  |  |
| BT | 5052.000             | 143.920  | 138.660  | 5093.000 | 144.000         | 140.000         | 5153.000        | 148.000  | 148.000  |  |
| GT | 5053.010             | 141.190  | 130.100  | 5000.010 | 5000.000        | 130.110         | 5000.010        | 5000.010 | 5000.000 |  |
| GR | 148.000              | 4900.000 | 140.000  | 4965.000 | 130.110         | 5000.060        | 5003.010        | 124.230  | 5010.000 |  |
| GR | 130.110              | 5000.060 | 130.110  | 5003.000 | 125.500         | 5040.000        | 125.500         | 5048.000 | 126.510  |  |
| GR | 124.850              | 5030.000 | 125.180  | 5040.000 | 125.500         | 5048.000        | 126.510         | 5050.500 | 130.100  |  |
| GR | 130.100              | 5052.000 | 130.100  | 5052.010 | 130.100         | 5053.000        | 130.100         | 5053.010 | 140.000  |  |
| GR | 148.000              | 5153.000 | .000     | .000     | .000            | .000            | .000            | .000     | .000     |  |

*delete*

|    |           |      |          |      |          |        |          |      |      |      |
|----|-----------|------|----------|------|----------|--------|----------|------|------|------|
| NH | 3.000     | .130 | 4965.000 | .055 | 5093.000 | .110   | 5153.000 | .000 | .000 | .000 |
| X1 | 73291.000 | .000 | .000     | .000 | 21.000   | 21.000 | 21.000   | .000 | .000 | .000 |
| X2 | .000      | .000 | .000     | .000 | .000     | .000   | 1.000    | .000 | .000 | .000 |

|    |                      |          |          |          |          |          |          |          |         |          |
|----|----------------------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| NH | 3.000                | .130     | 4965.000 | .055     | 5093.000 | .110     | 5153.000 | .000     | .000    | .000     |
| X1 | <del>73292.000</del> | 13.000   | 4965.000 | 5093.000 | 51.000   | 51.000   | 51.000   | .000     | .000    | .000     |
| X3 | 10.000               | .000     | .000     | .000     | .000     | .000     | .000     | 141.190  | 141.190 | .000     |
| GR | 148.000              | 4900.000 | 144.000  | 4965.000 | 130.110  | 5000.060 | 125.500  | 5003.010 | 124.230 | 5010.000 |
| GR | 124.350              | 5020.000 | 124.850  | 5030.000 | 125.180  | 5040.000 | 125.500  | 5048.000 | 126.510 | 5050.500 |
| GR | 130.100              | 5052.000 | 144.000  | 5093.000 | 148.000  | 5153.000 | .000     | .000     | .000    | .000     |

~~NH 3.000 .130 4965.000 .055 5093.000 .110 5153.000 .000 .000 .000~~

LAST X-SECTION FOR BRIDGE # 14.

~~X1 73343.000 .000 .000 .000 51.000 51.000 51.000 .000 .250 .000~~

|    |       |      |          |      |          |      |          |      |      |      |
|----|-------|------|----------|------|----------|------|----------|------|------|------|
| NC | .100  | .100 | .050     | .100 | .300     | .000 | .000     | .000 | .000 | .000 |
| NH | 3.000 | .120 | 5195.000 | .055 | 5401.000 | .110 | 5431.000 | .000 | .000 | .000 |

X-SECTION GUD

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 75590.000 | 20.000   | 5195.000 | 5401.000 | 2217.500 | 2217.500 | 2247.000 | .000     | .000    | .000     |
| GR | 160.000   | 5000.000 | 158.000  | 5620.000 | 156.000  | 5050.000 | 152.000  | 5090.000 | 150.000 | 5125.000 |
| GR | 148.000   | 5155.000 | 144.000  | 5195.000 | 140.000  | 5265.000 | 137.100  | 5357.000 | 135.200 | 5361.000 |
| GR | 134.000   | 5364.000 | 133.600  | 5365.000 | 133.500  | 5370.000 | 133.700  | 5375.000 | 133.800 | 5380.000 |
| GR | 133.700   | 5385.000 | 134.000  | 5390.000 | 134.800  | 5391.000 | 140.600  | 5401.000 | .60.000 | 5431.000 |

*CE 1.25 1.56 2.6 0.0 43.37 0.0 694. 0.3337 124.23 124.23*

*X2 1.0 138.67 141.19*  
*X3 10. 141.19 141.19*

NH 3.000 .120 4935.000 .055 5174.010 .120 5454.000 .000 .000 .000

FIRST X-SECTION FOR BRIDGE # 13.

|    |           |          |          |          |         |          |         |          |         |          |
|----|-----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 76279.000 | 31.000   | 4935.000 | 5174.010 | 719.000 | 649.000  | 689.000 | .000     | -1.120  | .000     |
| GR | 172.000   | 4455.000 | 170.000  | 4530.000 | 172.000 | 4795.000 | 172.000 | 4935.000 | 170.420 | 5001.700 |
| GR | 169.820   | 5006.000 | 169.810  | 5006.010 | 168.790 | 5014.000 | 151.420 | 5037.500 | 147.320 | 5058.300 |
| GR | 137.650   | 5061.500 | 137.650  | 5061.510 | 137.650 | 5064.500 | 137.650 | 5064.510 | 136.750 | 5065.000 |
| GR | 136.350   | 5070.000 | 135.850  | 5080.000 | 136.750 | 5087.000 | 140.830 | 5107.000 | 146.760 | 5114.200 |
| GR | 146.760   | 5114.210 | 146.760  | 5117.200 | 146.760 | 5117.210 | 151.800 | 5123.000 | 172.030 | 5154.000 |
| GR | 173.730   | 5158.670 | 173.740  | 5158.680 | 177.890 | 5170.000 | 178.800 | 5174.000 | 178.800 | 5174.010 |
| GR | 184.000   | 5454.000 | .000     | .000     | .000    | .000     | .000    | .000     | .000    | .000     |

|    |           |      |          |      |          |         |          |         |         |      |
|----|-----------|------|----------|------|----------|---------|----------|---------|---------|------|
| NC | .000      | .000 | .000     | .300 | .500     | .000    | .000     | .000    | .000    | .000 |
| NH | 3.000     | .170 | 4935.000 | .050 | 5174.010 | .170    | 5454.000 | .000    | .000    | .000 |
| X1 | 76888.000 | .000 | .000     | .000 | 609.000  | 609.000 | 609.000  | .000    | 1.120   | .000 |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000    | .000     | 170.000 | 178.800 | .000 |

NH 3.000 .170 4935.000 .050 5174.010 .170 5454.000 .000 .000 .000

BRIDGE # 13, 321 - N  
 ELLC =                      ETRD =                      SKEW ANGLE = 80.

|    |           |          |          |          |          |          |         |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|---------|----------|---------|----------|
| X1 | 76889.000 | 31.000   | 4935.000 | 5174.010 | 1.000    | 1.000    | 1.000   | .000     | .000    | .000     |
| BT | -31.000   | 4455.000 | 172.000  | 172.000  | 4530.000 | 170.000  | 170.000 | 4795.000 | 172.000 | 172.000  |
| E7 | .000      | 4935.000 | 172.000  | 164.720  | 5000.000 | 174.600  | 161.350 | 5000.010 | 176.880 | 161.350  |
| BT | .000      | 5001.700 | 176.920  | 161.260  | 5006.000 | 177.030  | 161.030 | 5025.890 | 177.510 | 160.000  |
| BT | .000      | 5025.900 | 177.510  | 170.320  | 5037.500 | 177.790  | 170.600 | 5058.300 | 178.300 | 171.120  |
| BT | .000      | 5061.500 | 178.420  | 171.200  | 5061.510 | 178.420  | 137.650 | 5064.500 | 178.420 | 137.650  |
| BT | .000      | 5064.510 | 178.420  | 171.200  | 5065.000 | 178.460  | 171.210 | 5070.000 | 178.590 | 171.360  |
| BT | .000      | 5080.000 | 178.830  | 171.650  | 5087.000 | 179.000  | 171.860 | 5107.000 | 179.490 | 172.440  |
| BT | .000      | 5114.200 | 179.700  | 172.650  | 5114.210 | 179.700  | 146.760 | 5117.200 | 179.700 | 146.760  |
| BT | .000      | 5117.210 | 179.700  | 172.650  | 5123.000 | 179.880  | 172.800 | 5135.560 | 180.150 | 173.100  |
| BT | .000      | 5135.570 | 180.150  | 160.000  | 5174.000 | 181.120  | 162.900 | 5174.010 | 178.800 | 162.900  |
| BT | .000      | 5454.000 | 184.000  | 184.000  | .000     | .000     | .000    | .000     | .000    | .000     |
| GR | 172.000   | 4455.000 | 170.000  | 4530.000 | 172.000  | 4795.000 | 164.720 | 4935.000 | 161.350 | 5000.000 |
| GR | 161.350   | 5000.010 | 161.260  | 5001.700 | 161.030  | 5006.000 | 160.000 | 5025.890 | 160.000 | 5025.900 |
| GR | 151.420   | 5037.500 | 147.320  | 5058.300 | 137.650  | 5061.500 | 137.650 | 5061.510 | 137.650 | 5064.500 |
| GR | 137.650   | 5064.510 | 136.750  | 5065.000 | 136.350  | 5070.000 | 135.850 | 5080.000 | 136.750 | 5087.000 |
| GR | 140.830   | 5107.000 | 146.760  | 5114.200 | 146.760  | 5114.210 | 146.760 | 5117.200 | 146.760 | 5117.210 |
| GR | 151.800   | 5123.000 | 160.000  | 5135.560 | 160.000  | 5135.570 | 162.900 | 5174.000 | 162.900 | 5174.010 |
| GR | 184.000   | 5454.000 | .000     | .000     | .000     | .000     | .000    | .000     | .000    | .000     |

|    |           |      |          |      |          |        |          |      |      |      |
|----|-----------|------|----------|------|----------|--------|----------|------|------|------|
| NH | 3.000     | .170 | 4935.000 | .050 | 5174.010 | .170   | 5454.000 | .000 | .000 | .000 |
| X1 | 76931.000 | .000 | .000     | .000 | 42.000   | 42.000 | 42.000   | .000 | .000 | .000 |
| X2 | .000      | .000 | .000     | .000 | .000     | .000   | 1.000    | .000 | .000 | .000 |







LAST X-SECTION FOR: PIPE U/S/ OF BR. 321

|    |           |      |          |      |          |       |          |         |         |      |      |
|----|-----------|------|----------|------|----------|-------|----------|---------|---------|------|------|
| NH | 3.000     | .170 | 5000.000 | .050 | 5056.570 | .170  | 5115.000 | .000    | .000    | .000 | .000 |
| X1 | 77161.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000    | .000    | .000 | .000 |
| X2 | .000      | .000 | .000     | .000 | .000     | .000  | 1.000    | .000    | .000    | .000 | .000 |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000  | .000     | 142.300 | 142.360 | .000 | .000 |
| NH | 3.000     | .170 | 5000.000 | .050 | 5056.570 | .170  | 5115.000 | .000    | .000    | .000 | .000 |
| X1 | 77162.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000    | .000    | .000 | .000 |
| X5 | 10.000    | .000 | .000     | .000 | .000     | .000  | .000     | 142.300 | 142.360 | .000 | .000 |

LAST X-SECTION FOR: PIER D/S OF C.C.C., U/S OF 321.

|    |           |      |          |      |          |        |          |      |      |      |      |
|----|-----------|------|----------|------|----------|--------|----------|------|------|------|------|
| X1 | 77211.000 | .000 | .000     | .000 | 49.000   | 49.000 | 49.000   | .000 | .140 | .000 | .000 |
| NH | 3.000     | .100 | 5000.000 | .050 | 5053.000 | .170   | 5238.000 | .000 | .000 | .000 | .000 |

PIER: 13A-2

|    |           |      |          |      |          |         |          |      |      |      |      |
|----|-----------|------|----------|------|----------|---------|----------|------|------|------|------|
| X1 | 78171.000 | .000 | .000     | .000 | 211.000  | 211.000 | 211.000  | .000 | .580 | .000 | .000 |
| NH | 3.000     | .170 | 5000.000 | .050 | 5053.000 | .170    | 5238.000 | .000 | .000 | .000 | .000 |

PIER: 13A-2

|    |           |          |          |         |          |         |          |      |         |         |      |
|----|-----------|----------|----------|---------|----------|---------|----------|------|---------|---------|------|
| X1 | 78172.000 | .000     | .000     | .000    | 1.000    | 1.000   | 1.000    | .000 | .000    | .000    | .000 |
| BT | -19.000   | 4890.000 | 168.000  | 168.000 | 4920.000 | 164.000 | 164.000  | .000 | 160.000 | 160.000 | .000 |
| BT | .000      | 4980.000 | 156.000  | 156.000 | 4990.000 | 152.000 | 152.000  | .000 | 148.000 | 148.000 | .000 |
| BT | .000      | 5010.000 | 139.980  | 139.980 | 5017.500 | 138.680 | 138.680  | .000 | 139.730 | 139.730 | .000 |
| BT | .000      | 5025.010 | 144.230  | 144.230 | 5027.990 | 144.230 | 144.230  | .000 | 144.000 | 144.000 | .000 |
| BT | .000      | 5035.500 | 138.680  | 138.680 | 5043.000 | 139.980 | 139.980  | .000 | 144.000 | 144.000 | .000 |
| BT | .000      | 5113.000 | 148.000  | 148.000 | 5148.000 | 152.000 | 152.000  | .000 | 156.000 | 156.000 | .000 |
| BT | .000      | 5238.000 | 160.000  | 160.000 | .000     | .000    | .000     | .000 | .000    | .000    | .000 |
| NH | 3.000     | .170     | 5000.000 | .050    | 5053.000 | .170    | 5238.000 | .000 | .000    | .000    | .000 |
| X1 | 78179.000 | .000     | .000     | .000    | 7.000    | 7.000   | 7.000    | .000 | .000    | .000    | .000 |
| X2 | .000      | .000     | .000     | .000    | .000     | .000    | 1.000    | .000 | .000    | .000    | .000 |
| NH | 3.000     | .170     | 5000.000 | .050    | 5053.000 | .170    | 5238.000 | .000 | .000    | .000    | .000 |

LAST X-SECTION FOR: PIER 13A-2

|    |           |      |          |      |          |        |          |      |      |      |
|----|-----------|------|----------|------|----------|--------|----------|------|------|------|
| X1 | 78180.000 | .000 | .000     | .000 | 1.000    | 1.000  | 1.000    | .000 | .000 | .000 |
| NH | 3.000     | .170 | 5000.000 | .050 | 5053.000 | .170   | 5238.000 | .000 | .000 | .000 |
| X1 | 78232.000 | .000 | .000     | .000 | 52.000   | 52.000 | 52.000   | .000 | .090 | .000 |
| HC | .100      | .100 | .050     | .100 | .300     | .000   | .000     | .000 | .000 | .000 |
| NH | 3.000     | .150 | 5000.000 | .050 | 5052.000 | .150   | 5107.000 | .000 | .000 | .000 |

FIRST X-SECTION FOR: PIPE 13A-3

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 78621.000 | 27.000   | 5000.000 | 5052.000 | 384.500  | 399.500  | 389.000  | .000     | -.180   | .000     |
| GR | 172.000   | 4820.000 | 168.000  | 4850.000 | 164.000  | 4875.000 | 160.000  | 4905.000 | 156.000 | 4935.000 |
| GR | 152.000   | 4975.000 | 148.610  | 5000.000 | 145.440  | 5003.500 | 143.440  | 5003.510 | 141.890 | 5015.500 |
| GR | 141.140   | 5019.000 | 141.140  | 5019.010 | 141.140  | 5020.000 | 141.140  | 5020.010 | 140.340 | 5023.500 |
| GR | 140.390   | 5027.500 | 141.440  | 5037.500 | 141.440  | 5037.510 | 141.440  | 5038.500 | 141.440 | 5038.510 |
| GR | 143.440   | 5048.000 | 145.440  | 5048.010 | 150.890  | 5052.000 | 156.000  | 5062.000 | 160.000 | 5077.000 |
| GR | 164.000   | 5097.000 | 172.000  | 5107.000 | .000     | .000     | .000     | .000     | .000    | .000     |
| HC | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .150     | 5000.000 | .050     | 5052.000 | .150     | 5107.000 | .000     | .000    | .000     |
| X1 | 78798.000 | .000     | .000     | .000     | 177.000  | 177.000  | 177.000  | .000     | .180    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 145.000  | 145.000 | .000     |
| NH | 3.000     | .150     | 5000.000 | .050     | 5052.000 | .150     | 5107.000 | .000     | .000    | .000     |

PIPE 13A-3. AT CURVE AT END OF FIELD.

|    |           |          |          |         |          |         |          |          |         |         |
|----|-----------|----------|----------|---------|----------|---------|----------|----------|---------|---------|
| X1 | 78799.000 | .000     | .000     | .000    | 1.000    | 1.000   | 1.000    | .000     | .000    | .000    |
| X3 | 10.000    | .000     | .000     | .000    | .000     | .000    | .000     | 145.440  | 145.440 | .000    |
| BT | -27.000   | 4820.000 | 172.000  | 172.000 | 4850.000 | 168.000 | 168.000  | 4875.000 | 164.000 | 164.000 |
| BT | .000      | 4905.000 | 160.000  | 160.000 | 4935.000 | 156.000 | 156.000  | 4975.000 | 152.000 | 152.000 |
| BT | .000      | 5000.000 | 148.610  | 148.610 | 5003.500 | 145.440 | 145.440  | 5003.510 | 145.440 | 143.440 |
| BT | .000      | 5015.500 | 145.440  | 143.440 | 5019.000 | 145.440 | 143.440  | 5019.010 | 145.440 | 141.140 |
| BT | .000      | 5020.000 | 145.440  | 141.140 | 5020.010 | 145.440 | 143.440  | 5023.500 | 145.440 | 143.440 |
| BT | .000      | 5027.500 | 145.440  | 143.440 | 5037.500 | 145.440 | 143.440  | 5037.510 | 145.440 | 141.440 |
| BT | .000      | 5038.500 | 145.440  | 141.440 | 5038.510 | 145.440 | 143.440  | 5048.000 | 145.440 | 143.440 |
| BT | .000      | 5048.010 | 145.440  | 145.440 | 5052.000 | 150.890 | 156.000  | 5062.000 | 156.000 | 156.000 |
| BT | .000      | 5077.000 | 160.000  | 160.000 | 5097.000 | 164.000 | 164.000  | 5107.000 | 172.000 | 172.000 |
| NH | 3.000     | .150     | 5000.000 | .050    | 5052.000 | .150    | 5107.000 | .000     | .000    | .000    |
| X1 | 78801.000 | .000     | .000     | .000    | 2.000    | 2.000   | 2.000    | .000     | .000    | .000    |
| X2 | .000      | .000     | .000     | .000    | .000     | .000    | 1.000    | .000     | .000    | .000    |
| X3 | 10.000    | .000     | .000     | .000    | .000     | .000    | .000     | 145.440  | 145.440 | .000    |
| NH | 3.000     | .150     | 5000.000 | .050    | 5052.000 | .150    | 5107.000 | .000     | .000    | .000    |
| X1 | 78802.000 | .000     | .000     | .000    | 1.000    | 1.000   | 1.000    | .000     | .000    | .000    |
| X3 | 10.000    | .000     | .000     | .000    | .000     | .000    | .000     | 145.440  | 145.440 | .000    |

|    |       |      |          |      |          |      |          |      |      |      |
|----|-------|------|----------|------|----------|------|----------|------|------|------|
| NH | 3.000 | .150 | 5000.000 | .050 | 5052.000 | .150 | 5107.000 | .000 | .000 | .000 |
|----|-------|------|----------|------|----------|------|----------|------|------|------|

## LAST X-SECTION FOR: PIPE 13A-3

|    |           |      |          |      |          |        |          |      |      |      |
|----|-----------|------|----------|------|----------|--------|----------|------|------|------|
| X1 | 78845.000 | .000 | .000     | .000 | 43.000   | 43.000 | 43.000   | .000 | .270 | .000 |
| NC | .100      | .100 | .050     | .100 | .300     | .000   | .000     | .000 | .000 | .000 |
| NH | 3.000     | .150 | 5000.000 | .051 | 5044.500 | .170   | 5310.000 | .000 | .000 | .000 |

## FIRST X-SECTION FOR: PIPE 13A-4

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 79120.000 | 26.000   | 5000.000 | 5044.500 | 164.500  | 304.500  | 275.000  | .000     | .820    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 151.930  | 151.180 | .000     |
| GR | 164.000   | 4800.000 | 160.000  | 4820.000 | 156.000  | 4830.000 | 152.000  | 4965.000 | 151.930 | 5000.000 |
| GR | 146.530   | 5005.500 | 145.860  | 5005.510 | 143.280  | 5013.500 | 143.280  | 5013.510 | 143.280 | 5014.500 |
| GR | 143.280   | 5014.510 | 143.030  | 5021.000 | 143.080  | 5027.000 | 143.180  | 5031.500 | 143.180 | 5031.510 |
| GR | 143.180   | 5032.500 | 143.180  | 5032.510 | 143.630  | 5038.000 | 146.060  | 5040.500 | 146.730 | 5040.510 |
| GR | 151.180   | 5044.500 | 148.000  | 5130.000 | 152.000  | 5215.000 | 156.000  | 5250.000 | 160.000 | 5270.000 |
| GR | 164.000   | 5310.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     |
| NC | .000      | .000     | .000     | .300     | .560     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .150     | 5000.000 | .051     | 5044.500 | .170     | 5310.000 | .000     | .000    | .000     |
| X1 | 79259.000 | .000     | .000     | .000     | 139.000  | 139.000  | 139.000  | .000     | .820    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 146.000  | 146.000 | .000     |
| NH | 3.000     | .150     | 5000.000 | .051     | 5044.500 | .170     | 5310.000 | .000     | .000    | .000     |

## PIPE 13A-4. AT EDGE OF FIELD BELOW C.C.C.

|    |           |          |          |         |          |         |          |          |         |         |
|----|-----------|----------|----------|---------|----------|---------|----------|----------|---------|---------|
| X1 | 79260.000 | .000     | .000     | .000    | 1.000    | 1.000   | 1.000    | .000     | .000    | .000    |
| X3 | 10.000    | .000     | .000     | .000    | .000     | .000    | .000     | 146.530  | 146.730 | .000    |
| BT | -26.000   | 4800.000 | 164.000  | 164.000 | 4820.000 | 160.000 | 160.000  | 4830.000 | 156.000 | 156.000 |
| BT | .000      | 4965.000 | 152.000  | 152.000 | 5000.000 | 151.930 | 151.930  | 5005.500 | 146.530 | 146.530 |
| BT | .000      | 5005.510 | 146.530  | 145.860 | 5013.500 | 146.630 | 145.960  | 5013.510 | 146.630 | 143.280 |
| BT | .000      | 5014.500 | 146.630  | 143.280 | 5014.510 | 146.630 | 145.960  | 5021.000 | 146.710 | 146.040 |
| BT | .000      | 5027.000 | 146.780  | 146.110 | 5031.500 | 146.760 | 146.090  | 5031.510 | 146.760 | 143.180 |
| BT | .000      | 5032.500 | 146.760  | 143.180 | 5032.510 | 146.760 | 146.090  | 5038.000 | 146.740 | 146.070 |
| BT | .000      | 5040.500 | 146.730  | 146.060 | 5040.510 | 146.730 | 146.730  | 5044.500 | 151.180 | 151.180 |
| BT | .000      | 5130.000 | 148.000  | 148.000 | 5215.000 | 152.000 | 152.000  | 5250.000 | 156.000 | 156.000 |
| BT | .000      | 5270.000 | 160.000  | 160.000 | 5310.000 | 164.000 | 164.000  | .000     | .000    | .000    |
| NH | 3.000     | .150     | 5000.000 | .051    | 5044.500 | .170    | 5310.000 | .000     | .000    | .000    |
| X1 | 79261.000 | .000     | .000     | .000    | 1.000    | 1.000   | 1.000    | .000     | .000    | .000    |
| X2 | .000      | .000     | .000     | .000    | .000     | .000    | 1.000    | .000     | .000    | .000    |
| X3 | 10.000    | .000     | .000     | .000    | .000     | .000    | .000     | 146.530  | 146.730 | .000    |
| NH | 3.000     | .150     | 5000.000 | .051    | 5044.500 | .170    | 5310.000 | .000     | .000    | .000    |
| X1 | 79262.000 | .000     | .000     | .000    | 1.000    | 1.000   | 1.000    | .000     | .000    | .000    |
| X3 | 10.000    | .000     | .000     | .000    | .000     | .000    | .000     | 146.530  | 146.730 | .000    |

NH 3.000 .150 5000.000 .051 5044.500 .170 5310.000 .000 .000 .000

LAST X-SECTION FOR: PIPE 13A-4.

X1 79296.000 .000 .000 .000 34.000 34.000 34.000 .000 .190 .000

NC .100 .100 .050 .100 .300 .000 .000 .000 .000 .000  
 NH 3.000 .160 5255.000 .051 5315.000 .170 5375.000 .000 .000 .000

X-SECTION GUE

X1 79720.000 18.000 5255.000 5315.000 414.500 439.500 424.000 .000 .000 .000  
 GR 164.000 5000.000 160.000 5010.000 159.000 5015.000 156.000 5145.000 153.100 5230.000  
 GR 152.500 5255.000 148.500 5267.000 147.000 5269.000 145.800 5270.000 145.500 5275.000  
 GR 146.000 5280.000 146.500 5285.000 147.000 5288.000 148.100 5295.000 151.600 5306.000  
 GR 156.300 5315.000 160.000 5345.000 164.000 5375.000 .000 .000 .000 .000

NH 5.000 .090 4960.000 .100 5000.000 .049 5065.500 .100 5090.000 .170  
 NH 5289.000 .000 .000 .000 .000 .000 .000 .000 .000 .000

FIRST X SECTION FOR PIPE ADJ. CAULD. COMM. COLL. ACCESS RD.

X1 81089.000 28.000 5000.000 5065.500 1289.000 1279.000 1369.000 .000 -.170 .000  
 GR 170.000 4860.000 156.000 4960.000 155.610 5000.000 152.060 5005.000 150.560 5007.500  
 GR 149.890 5012.400 149.890 5012.410 149.890 5013.700 149.890 5013.710 148.360 5015.000  
 GR 146.720 5025.500 147.590 5034.900 147.590 5034.910 147.590 5036.200 147.590 5036.210  
 GR 148.360 5046.500 149.580 5051.900 149.580 5051.910 149.580 5053.200 149.580 5053.210  
 GR 150.620 5062.500 152.120 5063.000 155.440 5065.500 156.000 5070.000 160.000 5090.000  
 GR 164.000 5140.000 168.000 5240.000 172.000 5280.000 .000 .000 .000 .000

NC .000 .000 .000 .300 .500 .000 .000 .000 .000 .000  
 NH 5.000 .090 4960.000 .100 5000.000 .049 5065.500 .100 5090.000 .170  
 NH 5280.000 .000 .000 .000 .000 .000 .000 .000 .000 .000  
 X1 81308.000 .000 .000 .000 219.000 219.000 219.000 .000 .170 .000  
 X3 10.000 .000 .000 .000 .000 .000 .000 152.000 152.000 .000

NH 5.000 .090 4960.000 .100 5000.000 .049 5065.500 .100 5090.000 .170  
 NH 5280.000 .000 .000 .000 .000 .000 .000 .000 .000 .000

PIPE: ADJ. TO CALDWELL COMMUNITY COLLEGE ACCESS ROAD.  
 WIDTH : 1.5

X1 81309.000 .000 .000 .000 1.000 1.000 1.000 .000 .000 .000  
 X3 10.000 .000 .000 .000 .000 .000 .000 152.060 152.120 .000  
 BT -28.000 4860.000 170.000 170.000 4960.000 156.000 156.000 5000.000 155.610 155.610  
 BT .000 5005.000 152.060 152.060 5007.500 152.060 150.560 5012.400 151.960 150.460  
 BT .000 5012.410 151.960 149.890 5013.700 151.960 149.890 5013.710 151.960 150.460  
 BT .000 5015.000 151.970 150.470 5025.500 152.000 150.500 5034.900 152.030 150.530  
 BT .000 5034.910 152.030 147.590 5036.200 152.030 147.590 5036.210 152.030 150.530  
 BT .000 5046.500 152.070 150.570 5051.900 152.090 150.590 5051.910 152.090 149.580  
 BT .000 5053.200 152.090 149.580 5053.210 152.090 150.590 5062.500 152.120 150.620  
 BT .000 5063.000 152.120 152.120 5065.500 155.440 156.000 5070.000 156.000 156.000  
 BT .000 5090.000 160.000 160.000 5140.000 164.000 164.000 5240.000 168.000 168.000  
 BT .000 5280.000 172.000 172.000 .090 .000 .000 .000 .000 .000

|    |           |      |          |      |          |       |          |      |          |      |
|----|-----------|------|----------|------|----------|-------|----------|------|----------|------|
| NH | 5.000     | .090 | 4960.000 | .100 | 5000.000 | .049  | 5065.500 | .100 | 5090.000 | .170 |
| NH | 5280.000  | .000 | .000     | .000 | .000     | .000  | .000     | .000 | .000     | .000 |
| X1 | 81311.000 | .000 | .000     | .000 | 2.000    | 2.000 | 2.000    | .000 | .000     | .000 |
| X2 | .000      | .000 | .000     | .060 | .000     | .000  | 1.000    | .000 | 152.060  | .000 |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000  | .000     | .000 | .000     | .000 |
| NH | 5.000     | .090 | 4960.000 | .100 | 5000.000 | .049  | 5065.500 | .100 | 5090.000 | .170 |
| NH | 5280.000  | .000 | .000     | .000 | .000     | .000  | .000     | .000 | .000     | .000 |
| X1 | 81312.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000 | .000     | .000 |
| NH | 5.000     | .090 | 4960.000 | .100 | 5000.000 | .049  | 5065.500 | .100 | 5090.000 | .170 |
| NH | 5280.000  | .000 | .000     | .000 | .000     | .000  | .000     | .000 | .000     | .000 |

LAST X SECTION FOR PIPE ADJ. TO C.C.C. ACCESS ROAD.

|    |           |      |          |      |          |        |          |      |      |      |
|----|-----------|------|----------|------|----------|--------|----------|------|------|------|
| X1 | 81366.000 | .000 | .000     | .000 | 54.000   | 54.000 | 54.000   | .000 | .380 | .000 |
| NC | .100      | .100 | .050     | .100 | .300     | .000   | .000     | .000 | .000 | .000 |
| NH | 3.000     | .130 | 5001.000 | .051 | 5110.500 | .170   | 5245.500 | .000 | .000 | .000 |

FIRST X-SECTION FOR BRIDGE # 12.

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 81623.000 | 21.000   | 5001.000 | 5110.500 | 257.000  | 257.000  | 257.000  | .000     | -3.050  | .000     |
| GR | 176.000   | 4840.000 | 172.000  | 4915.000 | 166.720  | 5001.000 | 163.160  | 5028.000 | 158.570 | 5035.000 |
| GR | 158.570   | 5035.010 | 158.570  | 5036.000 | 158.570  | 5036.010 | 152.960  | 5045.000 | 152.170 | 5050.000 |
| GR | 151.910   | 5060.000 | 152.600  | 5070.000 | 152.950  | 5075.500 | 152.960  | 5075.510 | 152.960 | 5076.500 |
| GR | 152.960   | 5076.510 | 156.380  | 5085.000 | 163.570  | 5109.500 | 168.730  | 5110.500 | 172.000 | 5190.500 |
| GR | 174.000   | 5245.500 | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     |
| NC | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .150     | 5001.000 | .051     | 5110.500 | .170     | 5245.500 | .000     | .000    | .000     |
| X1 | 82056.000 | .000     | .000     | .000     | 423.000  | 373.000  | 433.000  | .000     | 3.050   | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 168.500  | 168.500 | .000     |
| NH | 3.000     | .150     | 5001.000 | .051     | 5110.500 | .170     | 5245.500 | .000     | .000    | .000     |

BRIDGE # 12, SR 1160.

ELLCC = ETRD = SKEW ANGLE = 115.

|    |           |          |          |          |          |          |         |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|---------|----------|---------|----------|
| X1 | 82057.000 | 27.000   | 5000.000 | 5110.510 | 1.000    | 1.000    | 1.000   | .000     | .000    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000    | .000     | 168.880 | .000     |
| BT | -26.000   | 4840.000 | 176.000  | 176.000  | 4915.000 | 172.000  | 172.000 | 5000.000 | 168.880 | 168.880  |
| BT | .000      | 5000.010 | 171.660  | 168.690  | 5001.000 | 171.660  | 166.720 | 5028.000 | 171.670 | 166.720  |
| BT | .000      | 5035.000 | 171.680  | 166.720  | 5035.010 | 171.680  | 158.570 | 5036.000 | 171.680 | 158.570  |
| BT | .000      | 5036.010 | 171.680  | 166.720  | 5045.000 | 171.690  | 166.720 | 5050.000 | 171.690 | 166.720  |
| BT | .000      | 5060.000 | 171.690  | 166.720  | 5070.000 | 171.700  | 166.720 | 5075.500 | 171.700 | 166.720  |
| BT | .000      | 5075.510 | 171.700  | 152.960  | 5076.500 | 171.700  | 152.960 | 5076.510 | 171.700 | 166.720  |
| BT | .000      | 5085.000 | 171.710  | 166.720  | 5100.000 | 171.730  | 166.730 | 5109.500 | 171.740 | 166.730  |
| BT | .000      | 5109.510 | 171.740  | 166.730  | 5110.500 | 171.750  | 168.730 | 5110.510 | 168.970 | 168.970  |
| BT | .000      | 5190.500 | 172.000  | 172.000  | 5245.500 | 174.000  | 174.000 | 5000.010 | .000    | .000     |
| GR | 176.000   | 4840.000 | 172.000  | 4915.000 | 168.880  | 5000.000 | 168.690 | 5000.010 | 166.720 | 5001.000 |
| GR | 166.100   | 5001.010 | 163.160  | 5028.000 | 158.570  | 5035.000 | 158.570 | 5035.010 | 158.570 | 5036.000 |

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|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| GR | 158.570   | 5036.010 | 152.960  | 5045.000 | 152.170  | 5050.000 | 151.910  | 5060.000 | 152.600 | 5070.000 |
| GR | 152.960   | 5075.500 | 152.960  | 5075.510 | 152.960  | 5076.500 | 152.960  | 5076.510 | 156.780 | 5085.000 |
| GR | 164.060   | 5100.000 | 163.570  | 5109.500 | 166.730  | 5109.510 | 168.730  | 5110.500 | 168.970 | 5110.510 |
| GR | 172.000   | 5190.500 | 174.000  | 5245.500 | .100     |          | .000     | .000     | .000    | .000     |
| NH | 3.000     | .150     | 5001.000 | .051     | 5110.500 | .170     | 5245.500 | .000     | .000    | .000     |
| X1 | 82083.000 | .000     | .000     | .000     | 26.000   | 26.000   | .000     | .000     | .000    | .000     |
| X2 |           | .000     | .000     | .000     | .000     | .000     | 1.000    | .000     | .000    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 168.880  | 168.970 | .000     |
| NH | 3.000     | .150     | 5001.000 | .051     | 5110.500 | .170     | 5245.500 | .000     | .000    | .000     |
| X1 | 82084.000 | 21.000   | 5001.000 | 5110.500 | 1.000    | 1.000    | 1.000    | .000     | .000    | .000     |
| GR | 176.000   | 4840.000 | 172.000  | 4915.000 | 166.720  | 5001.000 | 163.160  | 5028.000 | 158.570 | 5035.000 |
| GR | 158.570   | 5035.010 | 158.570  | 5036.000 | 158.570  | 5036.010 | 152.960  | 5045.000 | 152.170 | 5050.000 |
| GR | 151.910   | 5060.000 | 152.600  | 5070.000 | 152.960  | 5075.500 | 152.960  | 5075.510 | 152.960 | 5076.500 |
| GR | 152.960   | 5076.510 | 156.380  | 5085.000 | 163.570  | 5109.500 | 168.730  | 5110.500 | 172.000 | 5190.500 |
| GR | 174.000   | 5245.500 | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .150     | 5001.000 | .051     | 5110.500 | .170     | 5245.500 | .000     | .000    | .000     |

LAST X-SECTION FOR BRIDGE # 12.

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 82192.000 | 21.000   | 5001.000 | 5110.500 | 108.000  | 108.000  | 108.000  | .000     | .290    | .000     |
| GR | 176.000   | 4840.000 | 172.000  | 4915.000 | 166.720  | 5001.000 | 163.160  | 5028.000 | 158.570 | 5035.000 |
| GR | 158.570   | 5035.010 | 158.570  | 5036.000 | 158.570  | 5036.010 | 152.960  | 5045.000 | 152.170 | 5050.000 |
| GR | 151.910   | 5060.000 | 152.600  | 5070.000 | 152.960  | 5075.500 | 152.960  | 5075.510 | 152.960 | 5076.500 |
| GR | 152.960   | 5076.510 | 156.380  | 5085.000 | 163.570  | 5109.500 | 168.730  | 5110.500 | 172.000 | 5190.500 |
| GR | 174.000   | 5245.500 | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     |
| MC | .100      | .100     | .050     | .100     | .300     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .140     | 5260.000 | .051     | 5374.000 | .140     | 5544.000 | .000     | .000    | .000     |

X-SECTION GUF

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 84070.000 | 20.000   | 5260.000 | 5374.000 | 1868.000 | 1783.000 | 1878.000 | .000     | .000    | .000     |
| GR | 180.000   | 5000.000 | 176.000  | 5015.000 | 172.000  | 5055.000 | 168.000  | 5130.000 | 165.000 | 5260.000 |
| GR | 163.600   | 5313.000 | 161.400  | 5328.000 | 157.000  | 5335.000 | 157.000  | 5338.000 | 156.700 | 5343.000 |
| GR | 156.700   | 5348.000 | 157.000  | 5353.000 | 157.000  | 5355.000 | 157.500  | 5358.000 | 161.400 | 5370.000 |
| GR | 163.500   | 5374.000 | 168.000  | 5409.000 | 172.000  | 5449.000 | 176.000  | 5509.000 | 180.000 | 5544.000 |
| NH | 3.000     | .130     | 5001.000 | .051     | 5020.000 | .130     | 5220.000 | .000     | .000    | .000     |

FIRST X-SECTION FOR BRIDGE # 11.

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 86540.000 | 18.000   | 5001.000 | 5020.000 | 2360.000 | 2350.000 | 2470.000 | .000     | .160    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 171.430  | 172.000 | .000     |
| GR | 192.000   | 4855.000 | 188.000  | 4875.000 | 184.000  | 4905.000 | 180.000  | 4930.000 | 176.000 | 4935.000 |
| GR | 173.340   | 5000.000 | 171.430  | 5001.000 | 164.640  | 5004.510 | 164.610  | 5006.000 | 164.710 | 5010.000 |
| GR | 165.800   | 5013.000 | 172.600  | 5020.000 | 172.000  | 5100.000 | 176.000  | 5140.000 | 180.000 | 5155.000 |
| GR | 184.000   | 5170.000 | 188.000  | 5200.000 | 192.000  | 5220.000 | .000     | 5140.000 | .000    | .000     |





FIRST X-SECTION FOR PIPE AT JOYCETON CONFLUENCE

|    |           |          |          |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 86882.000 | 25.000   | 5600.000 | 5050.500 | 314.000  | 264.000  | 275.000  | .000     | 4818.000 | 180.000  | 4848.000 | .000     |
| GR | 200.000   | 4708.000 | 195.000  | 4738.000 | 190.000  | 4788.000 | 185.000  | 4818.000 | 5004.500 | 167.520  | 5007.000 | 4848.000 |
| GR | 175.000   | 4898.000 | 173.930  | 5000.000 | 169.870  | 5004.190 | 169.200  | 5027.000 | 5050.500 | 156.010  | 5032.000 | 5032.000 |
| GR | 167.520   | 5009.500 | 168.320  | 5015.000 | 168.700  | 5001.000 | 173.930  | 5050.500 | 5368.000 | 175.000  | 5138.000 | 5138.000 |
| GR | 166.720   | 5039.000 | 168.900  | 5041.500 | 169.570  | 5041.510 | 195.000  | 5368.000 | 200.000  | 200.000  | 5418.000 | 5418.000 |
| GR | 180.000   | 5168.000 | 185.000  | 5218.000 | 190.000  | 5308.000 | .000     | .000     | .000     | .000     | .000     | .000     |
| NC | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| NH | 5.000     | .160     | 4898.000 | .075     | 5000.000 | .051     | 5050.500 | .075     | 5138.000 | 5138.000 | .160     | .160     |
| NH | 5418.000  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .470     | .000     | .000     |
| X1 | 87029.000 | .000     | .000     | .000     | 147.000  | 147.000  | 147.000  | .000     | 169.200  | 168.500  | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| NH | 5.000     | .160     | 4898.000 | .075     | 5000.000 | .051     | 5050.500 | .075     | 5138.000 | 5138.000 | .160     | .160     |
| NH | 5418.000  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |

PIPE: AT THE CONFLUENCE OF JOYCETON CREEK.

|    |           |          |          |         |          |         |          |          |          |          |         |         |
|----|-----------|----------|----------|---------|----------|---------|----------|----------|----------|----------|---------|---------|
| X1 | 87030.000 | .000     | .000     | .000    | 1.000    | 1.000   | 1.000    | .000     | 169.870  | 169.570  | .000    | .000    |
| X3 | 10.000    | .000     | .000     | .000    | .000     | .000    | .000     | .000     | 4788.000 | 190.000  | 190.000 | 190.000 |
| BT | 25.000    | 4708.000 | 200.000  | 200.000 | 4738.000 | 195.000 | 195.000  | 4788.000 | 5004.500 | 169.870  | 175.000 | 175.000 |
| BT | .000      | 4818.000 | 185.000  | 185.000 | 4848.000 | 180.000 | 180.000  | 5004.500 | 5015.000 | 169.870  | 169.200 | 169.200 |
| BT | .000      | 5000.000 | 173.960  | 173.960 | 5004.490 | 169.870 | 169.870  | 5015.000 | 5032.000 | 169.780  | 169.110 | 169.110 |
| BT | .000      | 5007.000 | 169.850  | 169.850 | 5009.500 | 169.830 | 169.160  | 5032.000 | 5041.510 | 169.650  | 168.980 | 168.980 |
| BT | .000      | 5021.000 | 169.740  | 169.070 | 5027.000 | 169.690 | 169.020  | 5041.510 | 5168.000 | 169.570  | 169.570 | 169.570 |
| BT | .000      | 5039.000 | 169.590  | 168.920 | 5041.500 | 169.570 | 168.900  | 5168.000 | 5368.000 | 180.000  | 180.000 | 180.000 |
| BT | .000      | 5050.500 | 173.930  | 173.930 | 5138.060 | 175.000 | 175.000  | 5368.000 | 195.000  | 195.000  | 195.000 | 195.000 |
| BT | .000      | 5218.000 | 185.000  | 185.000 | 5308.000 | 190.000 | 190.000  | .000     | .000     | .000     | .000    | .000    |
| BT | .000      | 5418.000 | 200.000  | 200.000 | .000     | .000    | .000     | .000     | .000     | .000     | .000    | .000    |
| NH | 5.000     | .160     | 4898.000 | .090    | 5000.000 | .055    | 5050.500 | .090     | 5138.000 | 5138.000 | .160    | .160    |
| NH | 5418.000  | .000     | .000     | .000    | .000     | .000    | .000     | .000     | .000     | .000     | .000    | .000    |
| X1 | 87031.000 | .000     | .000     | .000    | 1.000    | 1.000   | 1.000    | .000     | .000     | .000     | .000    | .000    |
| X2 | .000      | .000     | .000     | .000    | .000     | .000    | .000     | .000     | 169.870  | 169.570  | .000    | .000    |
| X3 | 10.000    | .000     | .000     | .000    | .000     | .000    | .000     | .000     | .000     | .000     | .000    | .000    |
| X1 | 87032.000 | .000     | .000     | .000    | 1.000    | 1.000   | 1.000    | .000     | .000     | .000     | .000    | .000    |
| NH | 5.000     | .160     | 4898.000 | .090    | 5000.000 | .060    | 5050.500 | .090     | 5138.000 | 5138.000 | .160    | .160    |
| NH | 5418.000  | .000     | .000     | .000    | .000     | .000    | .000     | .000     | .000     | .000     | .000    | .000    |

LAST X-SECTION FOR PIPE AT JOYCETON CONFLUENCE

|    |           |      |      |      |        |        |        |      |      |        |      |      |
|----|-----------|------|------|------|--------|--------|--------|------|------|--------|------|------|
| X1 | 87067.000 | .000 | .000 | .000 | 36.000 | 36.000 | 36.000 | .000 | .000 | 36.000 | .000 | .000 |
|----|-----------|------|------|------|--------|--------|--------|------|------|--------|------|------|

|                                  |           |          |          |          |          |          |          |          |          |          |
|----------------------------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| NH                               | 3.000     | .170     | 5280.000 | .062     | 5323.000 | .170     | 5763.000 | .000     | .000     | .000     |
| X-SECTION GUG                    |           |          |          |          |          |          |          |          |          |          |
| X1                               | 89810.000 | 15.000   | 5280.000 | 5323.000 | 2743.000 | 2693.000 | 2743.000 | .000     | .000     | .000     |
| GR                               | 195.000   | 5000.000 | 190.000  | 5035.000 | 185.000  | 5105.000 | 178.700  | 5265.000 | 178.400  | 5280.000 |
| GR                               | 174.700   | 5285.000 | 173.000  | 5288.000 | 172.900  | 5290.000 | 172.600  | 5295.000 | 173.000  | 5297.000 |
| GR                               | 175.000   | 5303.000 | 176.900  | 5323.000 | 185.000  | 5503.000 | 190.000  | 5643.000 | 195.000  | 5763.000 |
| NH                               | 5.000     | .190     | 4940.000 | .110     | 5001.010 | .057     | 5059.510 | .070     | 5426.500 | .190     |
| NH                               | 5611.500  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| FIRST X-SECTION FOR BRIDGE # 10. |           |          |          |          |          |          |          |          |          |          |
| X1                               | 90573.000 | 21.000   | 5001.010 | 5059.510 | 758.000  | 823.000  | 763.000  | .000     | -1.720   | .000     |
| GR                               | 200.000   | 4810.000 | 195.000  | 4870.000 | 190.000  | 4940.000 | 187.140  | 5001.010 | 181.560  | 5019.000 |
| GR                               | 179.930   | 5020.100 | 179.930  | 5020.110 | 179.000  | 5020.900 | 179.150  | 5026.000 | 179.930  | 5034.000 |
| GR                               | 180.910   | 5038.000 | 182.500  | 5040.600 | 182.500  | 5040.610 | 182.500  | 5041.400 | 182.500  | 5041.410 |
| GR                               | 184.740   | 5051.000 | 186.780  | 5059.500 | 190.160  | 5059.510 | 190.000  | 5026.500 | 195.000  | 5526.500 |
| GR                               | 200.000   | 5611.500 | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| NC                               | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000     | .000     |
| NH                               | 5.000     | .200     | 4940.000 | .110     | 5001.010 | .053     | 5059.510 | .075     | 5426.500 | .200     |
| NH                               | 5611.500  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| X1                               | 90806.000 | .000     | .000     | .000     | 233.000  | 233.000  | 233.000  | .000     | 1.720    | .000     |
| X3                               | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 187.140  | 190.000  | .000     |
| NH                               | 5.000     | .200     | 4940.000 | .080     | 5000.000 | .053     | 5061.510 | .080     | 5426.500 | .200     |
| NH                               | 5611.500  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| SB                               | 1.250     | 1.670    | 2.600    | .000     | 7.400    | 1.600    | 393.000  | 2.040    | 179.000  | 179.000  |

BRIDGE # 10, JOYCETON RD.  
 ELLC =                      ETRD =

SKEW ANGLE = 95.

|    |           |          |          |          |          |          |         |                    |                    |          |
|----|-----------|----------|----------|----------|----------|----------|---------|--------------------|--------------------|----------|
| X1 | 90844.000 | 29.000   | 5000.000 | 5061.510 | 38.000   | 38.000   | 38.000  | .000               | .000               | .000     |
| X2 | .000      | .000     | 1.000    | 191.520  | 190.000  | .000     | .000    | .000               | .000               | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000    | <del>190.000</del> | <del>190.000</del> | .000     |
| BT | -29.000   | 4810.000 | 200.000  | 200.000  | 4870.000 | 195.000  | 195.000 | 4940.000           | 190.000            | 190.000  |
| BT | .000      | 5000.000 | 191.540  | 191.540  | 5000.010 | 194.320  | 191.520 | 5001.000           | 194.320            | 190.090  |
| BT | .000      | 5001.010 | 194.320  | 190.090  | 5006.000 | 194.320  | 190.100 | 5009.000           | 194.320            | 190.100  |
| BT | .000      | 5019.000 | 194.310  | 190.110  | 5020.100 | 194.310  | 190.120 | 5020.110           | 194.310            | 179.930  |
| BT | .000      | 5020.900 | 194.310  | 179.930  | 5020.910 | 194.310  | 190.120 | 5026.000           | 194.320            | 190.120  |
| BT | .000      | 5034.000 | 194.320  | 190.130  | 5038.000 | 194.330  | 190.130 | 5040.600           | 194.330            | 190.130  |
| BT | .000      | 5040.610 | 194.330  | 182.500  | 5041.400 | 194.330  | 182.500 | 5041.410           | 194.330            | 190.130  |
| BT | .000      | 5051.000 | 194.330  | 190.150  | 5059.500 | 194.340  | 190.160 | 5059.510           | 194.340            | 190.160  |
| BT | .000      | 5061.500 | 194.340  | 191.380  | 5061.510 | 191.560  | 191.560 | 5426.500           | 190.000            | 190.000  |
| BT | .000      | 5526.500 | 195.000  | 195.000  | 5611.500 | 200.000  | 200.000 | .000               | .000               | .000     |
| GR | 200.000   | 4810.000 | 195.000  | 4870.000 | 190.000  | 4940.000 | 191.540 | 5000.000           | 191.520            | 5000.010 |
| GR | 190.090   | 5001.000 | 187.140  | 5001.010 | 187.340  | 5006.000 | 186.800 | 5009.000           | 181.560            | 5019.000 |
| GR | 179.930   | 5020.100 | 179.930  | 5020.110 | 179.000  | 5020.900 | 179.930 | 5020.910           | 179.150            | 5026.000 |
| GR | 179.930   | 5034.000 | 180.910  | 5038.000 | 182.500  | 5040.600 | 182.500 | 5040.610           | 182.500            | 5041.400 |
| GR | 184.740   | 5041.410 | 184.740  | 5051.000 | 186.780  | 5059.500 | 190.160 | 5059.510           | 191.380            | 5061.500 |

189.5

189.50

|    |           |          |          |          |          |          |          |          |          |          |          |      |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
| GR | 191.560   | 5061.510 | 190.000  | 5426.500 | 195.000  | 5526.500 | 200.000  | 5611.500 | .000     | .000     | .000     | .000 |
| NH | 5.000     | .200     | 4940.000 | .000     | 5001.010 | .053     | 5059.510 | .080     | 5426.500 | .200     | .000     | .000 |
| NH | 5611.500  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000 |
| X1 | 90902.000 | 21.000   | 5001.010 | 5059.510 | 58.000   | 58.000   | 58.000   | .000     | .410     | .000     | .000     | .000 |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 189.600  | 189.600  | .000     | .000     | .000 |
| GR | 200.000   | 4810.000 | 195.000  | 4870.000 | 190.000  | 4940.000 | 187.140  | 5001.010 | 181.560  | 5019.000 | 5034.000 | .000 |
| GR | 179.930   | 5020.100 | 179.930  | 5020.110 | 179.000  | 5020.900 | 179.150  | 5026.000 | 179.930  | 5034.000 | 5041.410 | .000 |
| GR | 180.910   | 5038.000 | 182.500  | 5040.600 | 182.500  | 5040.610 | 182.500  | 5041.400 | 182.500  | 5041.410 | 5041.410 | .000 |
| GR | 184.740   | 5051.000 | 186.780  | 5059.500 | 190.160  | 5059.510 | 190.000  | 5426.500 | 195.000  | 5526.500 | 5526.500 | .000 |
| GR | 200.000   | 5611.500 | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000 |
| NC | .100      | .100     | .050     | .100     | .300     | .000     | .000     | .000     | .000     | .000     | .000     | .000 |
| NH | 4.000     | .120     | 5159.000 | .051     | 5221.000 | .080     | 5295.000 | .120     | 5370.000 | .000     | .000     | .000 |

X-SECTION GUM

|    |           |          |          |          |          |          |          |          |         |          |          |      |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|----------|------|
| X1 | 91660.000 | 19.000   | 5159.000 | 5221.000 | 753.000  | 776.000  | 758.000  | .000     | .000    | .000     | .000     | .000 |
| GR | 205.000   | 5000.000 | 200.000  | 5020.000 | 195.000  | 5050.000 | 193.000  | 5080.000 | 191.400 | 5150.000 | 5150.000 | .000 |
| GR | 190.900   | 5159.000 | 186.400  | 5169.000 | 184.000  | 5170.000 | 183.700  | 5172.000 | 183.800 | 5175.000 | 5175.000 | .000 |
| GR | 184.000   | 5180.000 | 184.300  | 5181.000 | 185.000  | 5189.000 | 187.100  | 5196.000 | 189.600 | 5221.000 | 5221.000 | .000 |
| GR | 190.000   | 5250.000 | 195.000  | 5295.000 | 200.000  | 5340.000 | 205.000  | 5370.000 | .000    | .000     | .000     | .000 |
| NC | .100      | .100     | .050     | .100     | .300     | .000     | .000     | .000     | .000    | .000     | .000     | .000 |
| NH | 3.000     | .110     | 4999.990 | .051     | 5034.010 | .090     | 5348.000 | .000     | .000    | .000     | .000     | .000 |

FIRST X SECTION FOR PIPE 1000' D/S OF CLOVER

|    |           |          |          |          |          |          |          |          |         |          |          |      |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|----------|------|
| X1 | 92568.000 | 20.000   | 4999.990 | 5034.010 | 883.000  | 913.000  | 908.000  | .000     | .540    | .000     | .000     | .000 |
| GR | 220.000   | 4868.000 | 215.000  | 4888.000 | 210.000  | 4903.000 | 205.000  | 4948.000 | 200.000 | 4978.000 | 4978.000 | .000 |
| GR | 193.510   | 4999.990 | 192.000  | 5000.000 | 189.590  | 5007.500 | 187.830  | 5012.000 | 187.830 | 5012.010 | 5012.010 | .000 |
| GR | 187.850   | 5017.000 | 187.830  | 5017.010 | 189.590  | 5029.000 | 192.560  | 5034.000 | 194.060 | 5034.010 | 5034.010 | .000 |
| GR | 200.000   | 5183.000 | 205.000  | 5228.000 | 210.000  | 5263.000 | 215.000  | 5308.000 | 220.000 | 5348.000 | 5348.000 | .000 |
| NC | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000    | .000     | .000     | .000 |
| NH | 3.000     | .110     | 4999.990 | .051     | 5034.010 | .090     | 5348.000 | .000     | .000    | .000     | .000     | .000 |
| X1 | 92703.000 | .000     | .000     | .051     | 5034.010 | .090     | 5348.000 | .000     | .000    | .000     | .000     | .000 |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 193.510  | 194.060 | .000     | .000     | .000 |

PIPE : 1000' D/S OF CLOVER RD.  
WIDTH : 1.5

|    |           |          |         |         |          |         |         |          |         |         |         |      |
|----|-----------|----------|---------|---------|----------|---------|---------|----------|---------|---------|---------|------|
| X1 | 92704.000 | .000     | .000    | .000    | 1.000    | 1.000   | 1.000   | .000     | .000    | .000    | .000    | .000 |
| BT | -20.000   | 4868.000 | 220.000 | 220.000 | 4888.000 | 215.000 | 215.000 | 4903.000 | 210.000 | 210.000 | 210.000 | .000 |
| BT | .000      | 4948.000 | 205.000 | 205.000 | 4978.000 | 200.000 | 200.000 | 4999.990 | 193.510 | 193.510 | 193.510 | .000 |
| BT | .000      | 5000.000 | 193.510 | 192.000 | 5007.500 | 193.700 | 192.200 | 5012.000 | 193.870 | 193.870 | 192.370 | .000 |
| BT | .000      | 5012.010 | 193.870 | 187.830 | 5017.000 | 193.870 | 187.830 | 5017.010 | 193.870 | 193.870 | 192.370 | .000 |
| BT | .000      | 5029.000 | 194.010 | 192.510 | 5034.000 | 194.060 | 192.560 | 5034.010 | 194.060 | 194.060 | 194.060 | .000 |
| BT | .000      | 5183.000 | 200.000 | 200.000 | 5228.000 | 205.000 | 205.000 | 5263.000 | 210.000 | 210.000 | 210.000 | .000 |
| BT | .000      | 5308.000 | 215.000 | 215.000 | 5348.000 | 220.000 | 220.000 | .000     | .000    | .000    | .000    | .000 |

|    |           |      |          |      |          |       |          |         |        |      |
|----|-----------|------|----------|------|----------|-------|----------|---------|--------|------|
| NH | 3.000     | .110 | 4999.990 | .051 | 5034.010 | .070  | 5348.000 | .000    | .000   | .000 |
| X1 | 92706.000 | .000 | .000     | .000 | 1.000    | 2.000 | 2.000    | .000    | .000   | .000 |
| X2 | .000      | .000 | .000     | .000 | .000     | .000  | 1.000    | .000    | .000   | .000 |
| NH | 3.000     | .110 | 4999.990 | .051 | 5034.010 | .090  | 5348.000 | .000    | .000   | .000 |
| X1 | 92707.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000    | .000   | .000 |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000  | .000     | 193.510 | 94.060 | .000 |
| NH | 3.000     | .110 | 4999.990 | .051 | 5034.010 | .096  | 5348.000 | .000    | .000   | .000 |

LAST X SECTION FOR PIPE 1000' D/S OF CLOVER RD.

|    |           |      |          |      |          |        |          |      |      |      |
|----|-----------|------|----------|------|----------|--------|----------|------|------|------|
| X1 | 92740.000 | .000 | .000     | .000 | 33.000   | 33.000 | 33.000   | .000 | .310 | .000 |
| NC | .100      | .100 | .050     | .100 | .300     | .000   | .000     | .000 | .000 | .000 |
| NH | 3.000     | .150 | 5000.000 | .051 | 5040.000 | .100   | 5640.000 | .000 | .000 | .000 |

FIRST X-SECTION FOR PIPE # 9A-1

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 93440.000 | 18.000   | 5000.000 | 5040.000 | 694.500  | 734.500  | 700.000  | .000     | .650    | .000     |
| GR | 220.000   | 4795.000 | 215.000  | 4865.000 | 210.000  | 4910.000 | 205.000  | 4975.000 | 203.760 | 5000.000 |
| GR | 197.880   | 5005.000 | 197.210  | 5005.010 | 195.120  | 5015.000 | 195.420  | 5020.000 | 196.230 | 5030.000 |
| GR | 196.900   | 5030.010 | 202.770  | 5040.000 | 205.000  | 5275.000 | 210.000  | 5335.000 | 215.000 | 5395.000 |
| GR | 215.000   | 5515.000 | 215.000  | 5590.000 | 220.000  | 5640.000 | .000     | .000     | .000    | .000     |
| NC | .000      | .000     | .000     | .000     | 0.20     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .160     | 5000.000 | .051     | 5040.000 | .100     | 5640.000 | .000     | .000    | .000     |
| X1 | 93511.000 | .000     | .000     | .000     | 71.000   | 71.000   | 71.000   | .000     | .650    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 197.880  | 196.900 | .000     |
| NH | 3.000     | .160     | 5000.000 | .051     | 5040.000 | .100     | 5640.000 | .000     | .000    | .000     |

PIPE # 9A-1, CLOVER RD. PIPE

ELLCC = 7 ETRD =

SKREW ANGLE =

|    |           |          |          |         |          |         |          |          |         |         |
|----|-----------|----------|----------|---------|----------|---------|----------|----------|---------|---------|
| X1 | 93512.000 | .000     | .000     | .000    | 1.000    | 1.000   | 1.000    | .000     | .000    | .000    |
| BT | -18.000   | 4795.000 | 220.000  | 220.000 | 4865.000 | 215.000 | 215.000  | 4910.000 | 210.000 | 210.000 |
| BT | .000      | 4975.000 | 205.000  | 205.000 | 5090.000 | 203.760 | 203.760  | 5005.000 | 197.880 | 197.880 |
| BT | .000      | 5005.010 | 197.880  | 197.210 | 5015.000 | 196.820 | 196.820  | 5020.000 | 197.290 | 196.620 |
| BT | .000      | 5030.000 | 196.900  | 196.230 | 5030.010 | 196.900 | 196.900  | 5040.000 | 202.770 | 202.770 |
| BT | .000      | 5275.000 | 205.000  | 205.000 | 5335.000 | 210.000 | 210.000  | 5395.000 | 215.000 | 215.000 |
| BT | .000      | 5515.000 | 215.000  | 215.000 | 5590.000 | 215.000 | 215.000  | 5640.000 | 220.000 | 220.000 |
| NH | 3.000     | .160     | 5000.000 | .051    | 5040.000 | .100    | 5640.000 | .000     | .000    | .000    |
| X1 | 93513.000 | .000     | .000     | .000    | 1.000    | 1.000   | 1.000    | .000     | .000    | .000    |
| X2 | .000      | .000     | .000     | .000    | .000     | .000    | 1.000    | .000     | .000    | .000    |

|    |           |      |          |      |          |       |          |      |         |      |
|----|-----------|------|----------|------|----------|-------|----------|------|---------|------|
| NH | 3.000     | .160 | 5000.000 | .051 | 5040.000 | .100  | 5640.000 | .000 | .000    | .000 |
| X1 | 93514.000 | .000 | .000     | .000 | 1.000    | 1.000 | .000     | .000 | .000    | .000 |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000  | 197.880  | .000 | 196.900 | .000 |
| NH | 3.000     | .160 | 5000.000 | .051 | 5040.000 | .100  | 5640.000 | .000 | .000    | .000 |

LAST X-SECTION FOR PIPE # 9A-1

FIRST X-SECTION FOR BRIDGE # 9A

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 93522.000 | 19.000   | 5000.000 | 5040.000 | 8.000    | 8.000    | 8.000    | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | 203.760  | .000     | 202.770  | .000     |
| GR | 220.000   | 4795.000 | 215.000  | 4865.000 | 210.000  | 4910.000 | 205.000  | 4975.000 | 203.760  | 5000.000 |
| GR | 200.450   | 5005.000 | 196.440  | 5011.000 | 195.400  | 5013.000 | 195.120  | 5015.000 | 195.400  | 5017.000 |
| GR | 195.420   | 5020.010 | 200.500  | 5030.000 | 202.770  | 5040.000 | 205.000  | 5275.000 | 210.000  | 5335.000 |
| GR | 215.000   | 5395.000 | 215.000  | 5515.000 | 215.000  | 5590.000 | 220.000  | 5640.000 | .000     | .000     |
| NH | 4.000     | .160     | 5000.000 | .051     | 5040.000 | .100     | 5275.000 | .160     | 5640.000 | .000     |

BRIDGE # 9A, CLOVER RD.  
ELLIC =  
ETRD =  
KEY ANGLE = 90

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 93523.000 | 23.000   | 5000.000 | 5040.000 | 1.000    | 1.000    | 1.000    | .000     | .000     | .000     |
| BT | -23.000   | 4795.000 | 220.000  | 220.000  | 4865.000 | 215.000  | 215.000  | 4910.000 | 210.000  | 210.000  |
| BT | .000      | 4975.000 | 203.000  | 205.000  | 5000.000 | 203.760  | 203.760  | 5005.000 | 203.620  | 200.450  |
| BT | .000      | 5010.000 | 203.470  | 198.520  | 5010.010 | 203.470  | 198.430  | 5011.000 | 203.440  | 200.420  |
| B  | .000      | 5013.000 | 203.390  | 201.460  | 5015.000 | 203.330  | 201.740  | 5017.000 | 203.280  | 201.460  |
| B  | .000      | 5019.000 | 203.240  | 200.420  | 5020.000 | 203.220  | 198.430  | 5020.010 | 203.220  | 195.420  |
| BT | .000      | 5030.000 | 202.990  | 200.500  | 5040.000 | 202.770  | 202.770  | 5275.000 | 205.000  | 205.000  |
| BT | .000      | 5335.000 | 210.000  | 210.000  | 5395.000 | 215.000  | 215.000  | 5515.000 | 215.000  | 215.000  |
| BT | .000      | 5590.000 | 215.000  | 215.000  | 5640.000 | 220.000  | 220.000  | 5640.000 | .000     | .000     |
| GR | 220.000   | 4795.000 | 215.000  | 4865.000 | 210.000  | 4910.000 | 205.000  | 4975.000 | 203.760  | 5000.000 |
| GR | 200.450   | 5005.000 | 198.520  | 5010.000 | 198.430  | 5010.010 | 196.440  | 5011.000 | 195.400  | 5013.000 |
| GR | 195.120   | 5015.000 | 195.400  | 5017.000 | 196.440  | 5019.000 | 198.430  | 5020.000 | 195.420  | 5020.010 |
| GR | 200.500   | 5030.000 | 202.770  | 5040.000 | 205.000  | 5275.000 | 210.000  | 5335.000 | 215.000  | 5395.000 |
| GR | 215.000   | 5515.000 | 215.000  | 5590.000 | 220.000  | 5640.000 | .000     | .000     | .000     | .000     |
| NH | 4.000     | .160     | 5000.000 | .051     | 5040.000 | .100     | 5275.000 | .160     | 5640.000 | .000     |
| X1 | 93548.000 | .000     | .000     | .000     | 25.000   | 25.000   | 25.000   | .000     | .000     | .000     |
| X2 | .000      | .000     | .000     | .000     | .000     | .000     | 1.000    | .000     | .000     | .000     |
| NH | 4.000     | .160     | 5000.000 | .051     | 5040.000 | .100     | 5275.000 | .160     | 5640.000 | .000     |

LAST X-SECTION FOR BRIDGE # 9A.

FIRST X-SECTION FOR PIPE # 9A-2

PIPE # 9A-2, CLOVER RD. PIPE  
 ELLC = SKEW ANGLE =

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| NH | 4.000     | .160     | 5000.000 | .051     | 5040.000 | .100     | 5275.000 | .160     | 5640.000 | .000     |
| X1 | 93549.000 | 19.000   | 5000.000 | 5040.000 | 1.000    | 1.000    | 1.000    | 203.760  | 202.770  | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| GR | 220.000   | 4795.000 | 215.000  | 4885.000 | 215.000  | 203.760  | 4910.000 | 210.000  | 199.290  | 197.530  |
| GR | 200.450   | 5005.000 | 196.440  | 5011.000 | 195.400  | 5015.000 | 5023.000 | 5023.000 | 198.110  | 202.770  |
| GR | 195.420   | 5020.010 | 200.500  | 5030.000 | 5040.000 | 200.500  | 5040.000 | 202.770  | 202.770  | 202.770  |
| GR | 215.000   | 5395.000 | 215.000  | 5515.000 | 5590.000 | 220.000  | 5640.000 | 5335.000 | 215.000  | 5335.000 |
| X1 | 93551.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| X2 | .000      | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| NH | 4.000     | .160     | 5000.000 | .051     | 5040.000 | .100     | 5275.000 | .160     | 5640.000 | .000     |
| X1 | 93552.000 | .160     | 5000.000 | .051     | 5040.000 | .100     | 5275.000 | .160     | 5640.000 | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| NH | 4.000     | .160     | 5000.000 | .051     | 5040.000 | .100     | 5275.000 | .160     | 5640.000 | .000     |

LAST X-SECTION FOR PIPE # 9A-2

FIRST X SECTION FOR PIPE 30' D/S OF U/S CORNER OF HICK SPRINGS

|    |           |          |          |          |         |          |         |          |         |          |
|----|-----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 94694.000 | 18.000   | 4960.000 | 5019.000 | 516.000 | 541.000  | 526.000 | 4930.000 | 205.390 | 4960.000 |
| GR | 225.000   | 4865.000 | 220.000  | 4885.000 | 215.000 | 4905.000 | 210.000 | 5000.010 | 198.410 | 5005.000 |
| GR | 200.000   | 4998.000 | 200.110  | 4999.990 | 199.780 | 5000.000 | 198.880 | 5019.000 | 204.180 | 5046.000 |
| GR | 198.880   | 5010.000 | 199.550  | 5012.000 | 199.880 | 5012.010 | 203.880 | 5019.000 | .000    | .000     |
| GR | 205.000   | 5050.000 | 207.000  | 5150.000 | 214.000 | 5350.000 | .000    | .000     | .000    | .000     |

|    |           |      |          |      |          |      |          |      |          |      |       |      |          |      |       |      |      |      |
|----|-----------|------|----------|------|----------|------|----------|------|----------|------|-------|------|----------|------|-------|------|------|------|
| NC | 5,000     | .000 | .000     | .300 | .500     | .000 | .000     | .000 | .000     | .000 | .000  | .000 | .000     | .000 | .000  | .000 | .000 | .000 |
| NH | 5300.000  | .160 | 4930.000 | .100 | 4960.000 | .051 | 5019.000 | .100 | 5046.000 | .000 | 1.000 | .000 | 5046.000 | .000 | 1.000 | .000 | .000 | .000 |
| X1 | 94189.000 | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000  | .000 | .000     | .000 | .000  | .000 | .000 | .000 |
| X3 | 10,000    | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000  | .000 | .000     | .000 | .000  | .000 | .000 | .000 |

PIPE : 30' D/S OF U/S EDGE OF HICK. SPRINGS MAN.  
WIDTH : .33

|    |           |          |         |          |         |         |         |          |         |         |         |         |         |         |         |         |         |         |
|----|-----------|----------|---------|----------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| X1 | 94170.000 | .000     | .000    | .630     | 1.000   | 1.000   | 1.000   | 1.000    | 1.000   | 1.000   | 1.000   | 1.000   | 1.000   | 1.000   | 1.000   | 1.000   | 1.000   | 1.000   |
| X3 | 10,000    | .000     | .000    | .000     | .000    | .000    | .000    | .000     | .000    | .000    | .000    | .000    | .000    | .000    | .000    | .000    | .000    | .000    |
| BT | -17,000   | 4865.000 | 225.000 | 4885.000 | 220.000 | 205.000 | 220.000 | 4990.000 | 200.000 | 200.000 | 215.000 | 200.000 | 200.000 | 200.000 | 200.000 | 200.000 | 200.000 | 200.000 |
| BT | .000      | 4930.000 | 210.000 | 4960.000 | 205.000 | 199.780 | 205.000 | 5005.000 | 200.010 | 199.880 | 205.000 | 200.010 | 199.880 | 205.000 | 199.880 | 205.000 | 205.000 | 205.000 |
| BT | .000      | 4999.990 | 200.110 | 5000.000 | 200.110 | 199.880 | 204.180 | 5012.010 | 205.000 | 205.000 | 205.000 | 205.000 | 205.000 | 205.000 | 205.000 | 205.000 | 205.000 | 205.000 |
| BT | .000      | 5010.000 | 199.920 | 5012.000 | 199.880 | 204.180 | 214.000 | 5050.000 | .000    | .000    | .000    | .000    | .000    | .000    | .000    | .000    | .000    | .000    |
| BT | .000      | 5019.000 | 203.880 | 5046.000 | 204.180 | 214.000 | 214.000 | .000     | .000    | .000    | .000    | .000    | .000    | .000    | .000    | .000    | .000    | .000    |
| BT | .000      | 5150.000 | 207.000 | 5300.000 | 207.000 | 214.000 | 214.000 | .000     | .000    | .000    | .000    | .000    | .000    | .000    | .000    | .000    | .000    | .000    |

|    |           |      |          |      |          |      |          |      |          |      |       |      |          |      |       |      |      |      |
|----|-----------|------|----------|------|----------|------|----------|------|----------|------|-------|------|----------|------|-------|------|------|------|
| NH | 5,000     | .160 | 4930.000 | .100 | 4960.000 | .050 | 5019.000 | .100 | 5046.000 | .000 | 1.000 | .000 | 5046.000 | .000 | 1.000 | .000 | .000 | .000 |
| NH | 5300.000  | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000  | .000 | .000     | .000 | .000  | .000 | .000 | .000 |
| X1 | 94171.000 | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000  | .000 | .000     | .000 | .000  | .000 | .000 | .000 |
| X2 | .000      | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000  | .000 | .000     | .000 | .000  | .000 | .000 | .000 |
| NH | 5,000     | .160 | 4930.000 | .100 | 4960.000 | .050 | 5019.000 | .100 | 5046.000 | .000 | 1.000 | .000 | 5046.000 | .000 | 1.000 | .000 | .000 | .000 |
| NH | 5300.000  | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000  | .000 | .000     | .000 | .000  | .000 | .000 | .000 |
| X1 | 94172.000 | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000  | .000 | .000     | .000 | .000  | .000 | .000 | .000 |
| X3 | 10,000    | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000  | .000 | .000     | .000 | .000  | .000 | .000 | .000 |

LAST X SECTION FOR PIPE 30' D/S OF U/S EDGE OF HICK. SP. MAN.

|    |           |          |          |          |          |          |          |          |          |         |          |         |          |          |         |         |          |         |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|---------|----------|----------|---------|---------|----------|---------|
| X1 | 94189.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     | .000    | .000     | .000     | .000    | .000    | .000     | .000    |
| NC | .100      | .100     | .050     | .100     | .300     | .000     | .000     | .000     | .000     | .000    | .000     | .000    | .000     | .000     | .000    | .000    | .000     | .000    |
| NH | 5,000     | .160     | 4927.500 | .100     | 5000.000 | .050     | 5021.500 | .100     | 5147.500 | .000    | 1.000    | .000    | 5147.500 | .000     | 1.000   | .000    | .000     | .000    |
| NH | 5422.500  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     | .000    | .000     | .000     | .000    | .000    | .000     | .000    |
| X1 | 94208.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     | .000    | .000     | .000     | .000    | .000    | .000     | .000    |
| GR | 225.000   | 4887.500 | 220.000  | 4907.500 | 215.000  | 4927.500 | 210.000  | 4947.500 | 205.000  | 198.970 | 5007.500 | 205.000 | 198.970  | 5007.500 | 205.000 | 198.970 | 5007.500 | 205.000 |
| GR | 202.350   | 5000.000 | 201.800  | 5000.990 | 201.460  | 5001.000 | 199.290  | 5021.500 | 205.000  | 199.880 | 5021.500 | 205.000 | 199.880  | 5021.500 | 205.000 | 199.880 | 5021.500 | 205.000 |
| GR | 199.290   | 5012.500 | 200.540  | 5016.500 | 200.880  | 5016.510 | 203.630  | 5021.500 | 205.000  | 199.880 | 5021.500 | 205.000 | 199.880  | 5021.500 | 205.000 | 199.880 | 5021.500 | 205.000 |
| GR | 210.000   | 5327.500 | 215.000  | 5377.500 | 220.000  | 5417.500 | 225.000  | 5422.500 | .000     | .000    | .000     | .000    | .000     | .000     | .000    | .000    | .000     | .000    |

FIRST X SECTION FOR PIPE 125' U/S OF HICK. SPR. MAN.

89



~~.168~~ .79  
~~.160~~ .69

|    |           |      |      |          |        |          |      |      |          |      |          |      |      |      |
|----|-----------|------|------|----------|--------|----------|------|------|----------|------|----------|------|------|------|
| NC | .000      | .000 | .300 | .500     | .000   | .000     | .000 | .000 | .000     | .000 | .000     | .000 | .000 | .000 |
| NH | 5.000     | .160 | .100 | 5000.000 | .050   | 5021.500 | .000 | .100 | 5147.500 | .000 | 5147.500 | .000 | .000 | .000 |
| NH | 5422.500  | .000 | .000 | .000     | .000   | .000     | .000 | .000 | .000     | .000 | .000     | .000 | .000 | .000 |
| X1 | 94269.000 | .000 | .000 | 61.000   | 61.000 | 61.000   | .000 | .000 | .350     | .000 | .000     | .000 | .000 | .000 |
| NH | 5.000     | .160 | .100 | 5000.000 | .050   | 5021.500 | .000 | .100 | 5147.500 | .000 | 5147.500 | .000 | .000 | .000 |
| NH | 5422.500  | .000 | .000 | .000     | .000   | .000     | .000 | .000 | .000     | .000 | .000     | .000 | .000 | .000 |

PIPE : 125' U/S OF HICK. SPR. MAN.  
WIDTH : .33

|    |           |          |         |          |         |         |      |      |          |      |          |      |      |      |
|----|-----------|----------|---------|----------|---------|---------|------|------|----------|------|----------|------|------|------|
| X1 | 94270.000 | .000     | .000    | 1.000    | 1.000   | 1.000   | .000 | .000 | .000     | .000 | .000     | .000 | .000 | .000 |
| BT | -19.000   | 4887.500 | 225.000 | 4907.500 | 220.000 | 220.000 | .000 | .000 | 4927.500 | .000 | 4927.500 | .000 | .000 | .000 |
| BT | .000      | 4947.500 | 210.000 | 4967.500 | 205.000 | 205.000 | .000 | .000 | 5000.000 | .000 | 5000.000 | .000 | .000 | .000 |
| BT | .000      | 5000.990 | 201.800 | 5001.000 | 201.800 | 201.800 | .000 | .000 | 5016.500 | .000 | 5016.500 | .000 | .000 | .000 |
| BT | .000      | 5007.500 | 201.410 | 5012.500 | 201.720 | 201.720 | .000 | .000 | 5016.500 | .000 | 5016.500 | .000 | .000 | .000 |
| BT | .000      | 5016.510 | 200.880 | 5021.500 | 203.630 | 203.630 | .000 | .000 | 5147.500 | .000 | 5147.500 | .000 | .000 | .000 |
| BT | .000      | 5327.500 | 210.000 | 5377.500 | 215.000 | 215.000 | .000 | .000 | 5417.500 | .000 | 5417.500 | .000 | .000 | .000 |
| BT | .000      | 5422.500 | 225.000 | .000     | .000    | .000    | .000 | .000 | .000     | .000 | .000     | .000 | .000 | .000 |

~~.168~~ .59

~~.160~~ .48

|    |           |      |      |          |       |          |      |      |          |      |          |      |      |      |
|----|-----------|------|------|----------|-------|----------|------|------|----------|------|----------|------|------|------|
| NH | 5.000     | .160 | .100 | 5000.000 | .050  | 5021.500 | .100 | .100 | 5147.500 | .000 | 5147.500 | .000 | .000 | .000 |
| NH | 5422.500  | .000 | .000 | .000     | .000  | .000     | .000 | .000 | .000     | .000 | .000     | .000 | .000 | .000 |
| X1 | 94271.000 | .000 | .000 | 1.000    | 1.000 | 1.000    | .000 | .000 | .000     | .000 | .000     | .000 | .000 | .000 |
| X2 | .000      | .000 | .000 | .000     | .000  | .000     | .000 | .000 | .000     | .000 | .000     | .000 | .000 | .000 |
| NH | 5.000     | .160 | .100 | 5000.000 | .050  | 5021.500 | .100 | .100 | 5147.500 | .000 | 5147.500 | .000 | .000 | .000 |
| NH | 5422.500  | .000 | .000 | .000     | .000  | .000     | .000 | .000 | .000     | .000 | .000     | .000 | .000 | .000 |
| X1 | 94272.000 | .000 | .000 | 1.000    | 1.000 | 1.000    | .000 | .000 | .000     | .000 | .000     | .000 | .000 | .000 |
| X3 | 10.000    | .000 | .000 | .000     | .000  | .000     | .000 | .000 | .000     | .000 | .000     | .000 | .000 | .000 |
| NH | 5.000     | .160 | .100 | 5000.000 | .050  | 5021.500 | .100 | .100 | 5147.500 | .000 | 5147.500 | .000 | .000 | .000 |
| NH | 5422.500  | .000 | .000 | .000     | .000  | .000     | .000 | .000 | .000     | .000 | .000     | .000 | .000 | .000 |

LAST X SECTION FOR PIPE 125' U/S OF HICK. SPR. MAN.

|    |           |          |          |          |          |          |      |      |          |      |          |      |      |      |
|----|-----------|----------|----------|----------|----------|----------|------|------|----------|------|----------|------|------|------|
| X1 | 94286.000 | .000     | .000     | 14.000   | 14.000   | 14.000   | .000 | .000 | .000     | .000 | .000     | .000 | .000 | .000 |
| QT | 6.000     | 1335.000 | 2386.000 | 2739.000 | 1858.000 | 1545.000 | .000 | .000 | .000     | .000 | .000     | .000 | .000 | .000 |
| NC | .100      | .100     | .100     | .300     | .000     | .000     | .000 | .000 | .000     | .000 | .000     | .000 | .000 | .000 |
| NH | 5.000     | .160     | .070     | 4990.000 | .049     | 5024.000 | .055 | .055 | 5139.000 | .000 | 5139.000 | .000 | .000 | .000 |
| NH | 5409.000  | .000     | .000     | .000     | .000     | .000     | .000 | .000 | .000     | .000 | .000     | .000 | .000 | .000 |

FIRST X-SECTION FOR BRIDGE # 9

|    |           |          |          |          |          |         |      |      |         |      |         |      |      |      |
|----|-----------|----------|----------|----------|----------|---------|------|------|---------|------|---------|------|------|------|
| X1 | 95128.000 | 16.000   | 4990.000 | 5024.000 | 833.000  | 842.000 | .000 | .000 | .240    | .000 | .000    | .000 | .000 | .000 |
| GR | 230.000   | 4845.000 | 225.000  | 4860.000 | 4885.000 | 215.000 | .000 | .000 | 212.000 | .000 | 212.000 | .000 | .000 | .000 |
| GR | 204.170   | 5000.010 | 203.260  | 5008.000 | 5012.000 | 204.170 | .000 | .000 | 205.270 | .000 | 205.270 | .000 | .000 | .000 |
| GR | 211.460   | 5022.000 | 212.680  | 5024.000 | 5139.000 | 220.000 | .000 | .000 | 225.000 | .000 | 225.000 | .000 | .000 | .000 |
| GR | 230.000   | 5409.000 | .000     | .000     | .000     | .000    | .000 | .000 | .000    | .000 | .000    | .000 | .000 | .000 |

~~.160~~ .28

|    |           |       |          |      |          |        |          |         |          |         |
|----|-----------|-------|----------|------|----------|--------|----------|---------|----------|---------|
| NC | .000      | .000  | .000     | .300 | .500     | .000   | .000     | .000    | .000     | .000    |
| NH | 5.000     | .160  | 4885.000 | .070 | 4990.000 | .049   | 5024.000 | .055    | 5139.000 | .160    |
| NH | 5409.000  | .000  | .000     | .000 | .000     | .000   | .000     | .000    | .000     | .000    |
| X1 | 95159.000 | .000  | .000     | .000 | 31.000   | 31.000 | 31.000   | .000    | .240     | .000    |
| X3 | 10.000    | .000  | .000     | .000 | .000     | .000   | .000     | 211.500 | 211.500  | .000    |
| NH | 5.000     | .160  | 4885.000 | .070 | 5000.000 | .049   | 5024.000 | .055    | 5139.000 | .160    |
| NH | 5409.000  | .000  | .000     | .000 | .000     | .000   | .000     | .000    | .000     | .000    |
| SB | 1.250     | 7.700 | 3.100    | .000 | 6.310    | .010   | 50.300   | .000    | 203.670  | 203.670 |

.18

BRIDGE # 9 , SWAN RD.  
ELLCC =

ETRD =

SKEW ANGLE = 85.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 95200.000 | 22.000   | 5000.000 | 5024.000 | 41.000   | 41.000   | 41.000   | .000     | .000     | .000     |
| X2 | .000      | .000     | 1.000    | 211.670  | 212.680  | .000     | .000     | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 212.800  | 212.680  | .000     |
| BT | -22.000   | 4845.000 | 230.000  | 230.000  | 4860.000 | 225.000  | 225.000  | 4885.000 | 220.000  | 220.000  |
| BT | .000      | 4955.000 | 215.000  | 215.000  | 5000.000 | 212.800  | 212.800  | 5000.010 | 212.800  | 204.170  |
| BT | .000      | 5008.000 | 212.760  | 203.260  | 5008.010 | 212.760  | 207.670  | 5008.800 | 212.750  | 210.070  |
| BT | .000      | 5009.600 | 212.750  | 210.870  | 5012.000 | 212.740  | 211.670  | 5014.400 | 212.730  | 210.870  |
| BT | .000      | 5015.200 | 212.730  | 210.070  | 5016.000 | 212.720  | 207.670  | 5016.010 | 212.720  | 204.170  |
| BT | .000      | 5017.000 | 212.710  | 205.270  | 5022.000 | 212.690  | 211.460  | 5024.000 | 212.680  | 212.680  |
| BT | .000      | 5139.000 | 215.000  | 215.000  | 5219.000 | 220.000  | 220.000  | 5279.000 | 225.000  | 225.000  |
| BT | .000      | 5409.000 | 230.000  | 230.000  | .000     | .000     | .000     | .000     | .000     | .000     |
| GR | 230.000   | 4845.000 | 225.000  | 4860.000 | 220.000  | 4885.000 | 215.000  | 4955.000 | 212.800  | 5000.000 |
| GR | 204.170   | 5000.010 | 203.260  | 5008.000 | 207.670  | 5008.010 | 205.270  | 5008.800 | 204.470  | 5009.600 |
| GR | 203.670   | 5012.000 | 204.470  | 5014.400 | 205.270  | 5015.200 | 207.670  | 5016.000 | 204.170  | 5016.010 |
| GR | 205.270   | 5017.000 | 211.460  | 5022.000 | 212.680  | 5024.000 | 215.000  | 5139.000 | 220.000  | 5219.000 |
| GR | 225.000   | 5279.000 | 230.000  | 5409.000 | .000     | .000     | .000     | .000     | .000     | .000     |
| NH | 5.000     | .160     | 4885.000 | .070     | 4990.000 | .049     | 5024.000 | .070     | 5139.000 | .160     |
| NH | 5409.000  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| X1 | 95208.000 | 16.000   | 4990.000 | 5024.000 | 8.000    | 8.000    | 8.000    | .000     | .380     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 212.800  | 212.630  | .000     |
| GR | 230.000   | 4845.000 | 225.000  | 4860.000 | 220.000  | 4885.000 | 215.000  | 4955.000 | 212.000  | 4990.000 |
| GR | 204.170   | 5000.010 | 203.260  | 5008.000 | 203.670  | 5012.000 | 204.170  | 5016.010 | 205.270  | 5017.000 |
| GR | 211.460   | 5022.000 | 212.680  | 5024.000 | 215.000  | 5139.000 | 220.000  | 5219.000 | 225.000  | 5279.000 |
| GR | 230.000   | 5409.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| NC | .100      | .100     | .050     | .300     | .500     | .000     | .000     | .000     | .000     | .000     |
| NH | 5.000     | .160     | 4885.000 | .070     | 5000.000 | .049     | 5037.500 | .070     | 5139.000 | .160     |
| NH | 5409.000  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |

FIRST X-SECTION FOR PIPE U/S OF SWAN.

|    |           |          |          |          |         |          |         |          |         |          |
|----|-----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 95229.000 | 18.000   | 5000.000 | 5037.500 | 21.000  | 21.000   | 21.000  | .000     | .000    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000    | .000     | .000    | 207.180  | 206.030 | .000     |
| GR | 230.000   | 4845.000 | 225.000  | 4860.000 | 220.000 | 4885.000 | 215.000 | 4955.000 | 211.260 | 5000.000 |
| GR | 207.180   | 5007.000 | 206.330  | 5008.000 | 205.660 | 5008.010 | 204.400 | 5008.500 | 203.930 | 5013.500 |
| GR | 204.400   | 5019.500 | 205.360  | 5023.500 | 206.030 | 5023.510 | 210.980 | 5037.500 | 215.000 | 5139.000 |
| GR | 220.000   | 5219.000 | 225.000  | 5279.000 | 230.000 | 5409.000 | .000    | .000     | .000    | .000     |

|    |          |      |          |      |          |      |          |      |          |      |
|----|----------|------|----------|------|----------|------|----------|------|----------|------|
| NH | 5.000    | .160 | 4885.000 | .070 | 5000.000 | .049 | 5037.500 | .070 | 5139.000 | .160 |
| NH | 5409.000 | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000     | .000 |

## PIPE U/S OF SWAN .67 DIA.

|    |           |          |         |         |          |         |         |          |         |         |
|----|-----------|----------|---------|---------|----------|---------|---------|----------|---------|---------|
| X1 | 95230.000 | .000     | .000    | .000    | 1.000    | 1.000   | 1.000   | .000     | .000    | .000    |
| X3 | 10.000    | .000     | .000    | .000    | .000     | .000    | .000    | 211.260  | 210.980 | .000    |
| BT | -18.000   | 4845.000 | 230.000 | 230.000 | 4860.000 | 225.000 | 225.000 | 4885.000 | 220.000 | 220.000 |
| BT | .000      | 4955.000 | 215.000 | 215.000 | 5000.000 | 211.260 | 211.260 | 5007.000 | 207.180 | 207.180 |
| BT | .000      | 5008.000 | 206.330 | 206.330 | 5008.010 | 206.330 | 205.660 | 5008.500 | 206.320 | 205.650 |
| BT | .000      | 5013.500 | 206.220 | 205.550 | 5019.500 | 206.110 | 205.440 | 5023.500 | 206.030 | 205.360 |
| BT | .000      | 5023.510 | 206.030 | 206.030 | 5037.500 | 210.980 | 210.980 | 5139.000 | 215.000 | 215.000 |
| BT | .000      | 5219.000 | 220.000 | 220.000 | 5279.000 | 225.000 | 225.000 | 5409.000 | 230.000 | 230.000 |

|    |           |      |          |      |          |       |          |      |          |      |
|----|-----------|------|----------|------|----------|-------|----------|------|----------|------|
| NH | 5.000     | .160 | 4885.000 | .060 | 5000.000 | .048  | 5037.500 | .060 | 5139.000 | .160 |
| NH | 5409.000  | .000 | .000     | .000 | .000     | .000  | .000     | .000 | .000     | .000 |
| X1 | 95231.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000 | .000     | .000 |
| X2 | .000      | .000 | .000     | .000 | .000     | .000  | 1.000    | .000 | .000     | .000 |

|    |           |      |          |      |          |       |          |         |          |      |
|----|-----------|------|----------|------|----------|-------|----------|---------|----------|------|
| NH | 5.000     | .160 | 4885.000 | .060 | 5000.000 | .048  | 5037.500 | .060    | 5139.000 | .160 |
| NH | 5409.000  | .000 | .000     | .000 | .000     | .000  | .000     | .000    | .000     | .000 |
| X1 | 95232.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000    | .000     | .000 |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000  | .000     | 206.330 | 206.030  | .000 |

|    |          |      |          |      |          |      |          |      |          |      |
|----|----------|------|----------|------|----------|------|----------|------|----------|------|
| NH | 5.000    | .170 | 4885.000 | .060 | 5000.000 | .048 | 5037.500 | .060 | 5139.000 | .170 |
| NH | 5409.000 | .000 | .000     | .000 | .000     | .000 | .000     | .000 | .000     | .000 |

## LAST X-SECTION FOR PIPE U/S OF SWAN.

|    |           |      |          |      |          |        |          |      |          |      |
|----|-----------|------|----------|------|----------|--------|----------|------|----------|------|
| X1 | 95256.000 | .000 | .000     | .000 | 24.000   | 24.000 | 24.000   | .000 | .290     | .000 |
| NC | .100      | .100 | .050     | .100 | .300     | .000   | .000     | .000 | .900     | .000 |
| NH | 5.000     | .110 | 5045.000 | .070 | 5143.000 | .048   | 5177.000 | .070 | 5265.000 | .110 |
| NH | 5550.000  | .000 | .000     | .000 | .000     | .000   | .000     | .000 | .000     | .000 |

## X-SECTION GJ1

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 95730.000 | 20.000   | 5143.000 | 5177.000 | 473.500  | 498.500  | 474.000  | .000     | .000    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 218.500  | 218.900 | .000     |
| GR | 235.000   | 5000.000 | 230.000  | 5020.000 | 225.000  | 5045.000 | 220.000  | 5118.000 | 218.500 | 5143.000 |
| GR | 215.500   | 5150.000 | 210.600  | 5159.000 | 210.000  | 5160.000 | 209.700  | 5163.000 | 209.700 | 5166.000 |
| GR | 210.000   | 5168.000 | 210.700  | 5169.000 | 214.600  | 5172.000 | 218.900  | 5177.000 | 219.200 | 5205.000 |
| GR | 215.000   | 5265.000 | 220.000  | 5475.000 | 225.000  | 5525.000 | 230.000  | 5540.000 | 235.000 | 5550.000 |
| NH | 3.000     | .120     | 5001.000 | .051     | 5025.000 | .170     | 5290.000 | .000     | .000    | .000     |

## FIRST X-SECTION FOR BRIDGE # 8.

|    |           |          |          |          |         |          |         |          |         |          |
|----|-----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 96512.000 | 14.000   | 5001.000 | 5025.000 | 877.500 | 727.500  | 782.000 | .000     | -1.310  | .000     |
| GR | 245.000   | 4710.000 | 240.000  | 4745.000 | 235.000 | 4785.000 | 230.170 | 5001.000 | 221.570 | 5005.000 |
| GR | 221.460   | 5010.250 | 221.460  | 5010.260 | 221.460 | 5010.750 | 221.460 | 5010.760 | 221.510 | 5015.000 |
| GR | 231.560   | 5025.000 | 235.000  | 5115.000 | 240.000 | 5195.000 | 245.000 | 5290.000 | .000    | .000     |

|    |           |       |          |      |          |        |          |         |                |         |
|----|-----------|-------|----------|------|----------|--------|----------|---------|----------------|---------|
| NC | .000      | .000  | .000     | .300 | .500     | .000   | .000     | .000    | .000           | .000    |
| NH | 3.000     | .120  | 5001.000 | .051 | 5025.000 | .170   | 5290.000 | .000    | .000           | .000    |
| X1 | 96587.000 | .000  | .000     | .000 | 75.000   | 75.000 | 75.000   | .000    | 1.310          | .000    |
| X3 | 10.000    | .000  | .000     | .000 | .000     | .000   | .000     | 230.170 | <u>231.560</u> | .000    |
|    |           |       |          |      |          |        |          |         | 231.500        |         |
| NH | 3.000     | .120  | 4999.990 | .051 | 5020.010 | .170   | 5290.000 | .000    | .000           | .000    |
| SB | 1.250     | 2.070 | 2.600    | .000 | 20.500   | .500   | 150.400  | .000    | 221.460        | 221.460 |

BRIDGE # 8 , 321 - A.

ELLC =                      ETRD =                      SKEW ANGLE = 45.

|    |           |          |          |          |          |          |          |                    |                    |          |
|----|-----------|----------|----------|----------|----------|----------|----------|--------------------|--------------------|----------|
| X1 | 96632.000 | 18.000   | 4999.990 | 5020.010 | 45.000   | 45.000   | 45.000   | 230.170            | .000               | .000     |
| X2 | .000      | .000     | 1.000    | 228.980  | 231.660  | .000     | .000     | .000               | .000               | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | <del>231.500</del> | <del>231.500</del> | .000     |
| BT | -18.000   | 4710.000 | 245.000  | 245.000  | 4745.000 | 240.000  | 240.000  | 4785.000           | 235.000            | 235.000  |
| BT | .000      | 4999.990 | 232.100  | 232.100  | 5001.000 | 232.100  | 228.980  | 5001.010           | 232.100            | 228.980  |
| BT | .000      | 5005.000 | 232.020  | 228.960  | 5010.250 | 231.910  | 228.950  | 5010.260           | 231.910            | 221.460  |
| BT | .000      | 5010.750 | 231.890  | 221.460  | 5010.760 | 231.890  | 228.940  | 5015.000           | 231.760            | 228.930  |
| BT | .000      | 5019.990 | 231.660  | 228.910  | 5020.000 | 231.660  | 228.910  | 5020.010           | 231.660            | 231.660  |
| BT | .000      | 5115.000 | 235.000  | 235.000  | 5195.000 | 240.000  | 240.000  | 5290.000           | 245.000            | 245.000  |
| GR | 245.000   | 4710.000 | 240.000  | 4745.000 | 235.000  | 4785.000 | 232.100  | 4999.990           | 228.980            | 5001.000 |
| GR | 221.570   | 5001.010 | 221.570  | 5005.000 | 221.460  | 5010.250 | 221.460  | 5010.260           | 221.460            | 5010.750 |
| GR | 221.460   | 5010.760 | 221.510  | 5015.000 | 221.520  | 5019.990 | 228.910  | 5020.000           | 231.660            | 5020.010 |
| GR | 235.000   | 5115.000 | 240.000  | 5195.000 | 245.000  | 5290.000 | .000     | .000               | .000               | .000     |
| NH | 3.000     | .120     | 5001.000 | .051     | 5025.000 | .170     | 5290.000 | .000               | .000               | .000     |

LAST X-SECTION FOR BRIDGE # 8.

|    |           |          |          |          |          |          |          |                    |                    |          |
|----|-----------|----------|----------|----------|----------|----------|----------|--------------------|--------------------|----------|
| X1 | 96651.000 | 14.000   | 5001.000 | 5025.000 | 19.000   | 19.000   | 19.000   | 230.170            | .000               | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | <del>231.500</del> | <del>231.500</del> | .000     |
| GR | 245.000   | 4710.000 | 240.000  | 4745.000 | 235.000  | 4785.000 | 230.170  | 5001.000           | 221.570            | 5005.000 |
| GR | 221.460   | 5010.250 | 221.460  | 5010.260 | 221.460  | 5010.750 | 221.460  | 5010.760           | 221.510            | 5015.000 |
| GR | 231.560   | 5025.000 | 235.000  | 5115.000 | 240.000  | 5195.000 | 245.000  | 5290.000           | .000               | .000     |
| NC | .100      | .100     | .050     | .100     | .300     | .000     | .000     | .000               | .000               | .000     |
| NH | 4.000     | .160     | 5000.000 | .051     | 5048.010 | .160     | 5088.000 | 1.000              | 5200.000           | .000     |

FIRST X-SECTION FOR BRIDGE # 7.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 96937.000 | 15.000   | 5000.000 | 5048.010 | 256.000  | 306.000  | 286.000  | .000     | .590     | .000     |
| GR | 250.000   | 4570.000 | 245.000  | 4650.000 | 240.000  | 4720.000 | 235.630  | 5000.000 | 225.010  | 5011.010 |
| GR | 225.730   | 5015.000 | 226.120  | 5020.000 | 224.380  | 5027.500 | 224.380  | 5027.510 | 226.390  | 5032.000 |
| GR | 228.700   | 5033.000 | 235.720  | 5048.010 | 239.000  | 5088.000 | 240.000  | 5130.000 | 240.500  | 5200.000 |
| NC | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000     | .000     |
| NH | 4.000     | .160     | 5000.000 | .050     | 5048.010 | .160     | 5088.000 | 1.000    | 5200.000 | .000     |
| X1 | 97002.000 | .000     | .000     | .000     | 65.000   | 65.000   | 65.000   | .000     | .590     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 235.000  | 235.000  | .000     |

NH 4.000 .160 5000.000 .050 5048.010 .160 5088.000 1.000 5200.000 .000  
 SB 1.250 1.840 2.600 .000 16.510 .010 159.000 .000 224.380 224.380

BRIDGE # 7, PARKING ACCESS  
 EILC = ETRD = SKEW ANGLE = 90.

X1 97037.000 20.000 5000.000 5048.010 35.000 35.000 35.000 .000 .000  
 X2 .000 .000 1.000 234.050 235.630 .000 .000 .000 .000  
 X3 10.000 .000 .000 .000 .000 .000 .000 .000 .000  
 BT -20.000 4570.000 250.000 250.000 4650.000 245.000 245.000 4720.000 240.000  
 BT .000 5000.000 235.630 235.630 5000.010 242.630 242.630 5010.000 244.300  
 BT .000 5011.000 244.300 225.010 5011.010 244.300 233.950 5015.000 244.330  
 BT .000 5020.000 244.360 234.000 5027.500 244.400 244.050 5027.510 244.400  
 BT .000 5032.000 244.300 226.390 5033.000 244.390 228.700 5044.000 244.370  
 BT .000 5048.000 244.360 235.720 5048.010 235.720 235.720 5088.000 239.000  
 BT .000 5130.000 240.000 240.000 5200.000 4720.000 240.500 5000.000 234.240  
 GR 250.000 4570.000 245.000 4650.000 240.000 4720.000 235.630 5000.000 226.120  
 GR 225.310 5010.000 225.010 5011.000 225.010 5011.410 225.730 5015.000 226.120  
 GR 224.380 5027.500 224.380 5027.510 226.390 5032.000 228.700 5033.000 235.320  
 GR 235.720 5048.000 235.720 5048.010 239.000 5088.000 240.000 5130.000 240.500  
 NH 4.000 .160 5000.000 .050 5048.010 .160 5088.000 1.000 5200.000 .000

LAST X-SECTION FOR BRIDGE # 7.

X1 97053.000 15.000 5000.000 5048.010 16.000 16.000 16.000 .000 .480 .000  
 X3 10.000 .000 .000 .000 .000 .000 .000 .000 .000  
 GR 250.000 4570.000 245.000 4650.000 240.000 4720.000 235.630 5000.000 225.010  
 GR 225.730 5015.000 226.120 5020.000 224.380 5027.500 224.380 5027.510 226.390  
 GR 228.700 5033.000 235.720 5048.010 239.000 5088.000 240.000 5130.000 240.500  
 NH .100 .100 .050 .100 .300 .000 .000 .000 .000 .000  
 NH 4.000 .110 5000.000 .050 5022.510 .055 5112.500 .160 5207.500 .000

FIRST X-SECTION FOR BRIDGE # 6.

X1 97580.000 13.000 5000.000 5022.510 481.500 536.500 527.000 .000 -1.230 .000  
 GR 255.000 4725.000 230.000 4750.000 245.000 4885.000 243.880 5000.000 234.020 5003.010  
 GR 233.960 5008.000 233.650 5010.000 233.960 5015.000 236.450 5018.500 244.080 5022.510  
 GR 245.000 5112.500 250.000 5142.500 255.000 5207.500 .000 .000 .000 .000  
 NH .000 .000 .000 .000 .500 .000 .000 .000 .000 .000  
 NH 4.000 .110 5000.000 .050 5022.510 .055 5112.500 .160 5207.500 .000  
 X1 97641.000 .000 .000 .000 61.000 61.000 61.000 .000 1.230 .000  
 X3 10.000 .000 .000 .000 .000 .000 .000 .000 243.000 .000

NH 4.000 .110 5000.000 .050 5022.510 .055 5112.500 .160 5207.500 .000  
 SB 1.250 1.770 2.600 .000 6.910 .010 135.000 .850 233.650 233.650

BRIDGE # 6, NORWOOD ST.  
 ELLC = ETRD = SKEW ANGLE = 150.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 97689.000 | 20.000   | 5000.000 | 5022.510 | 48.000   | 48.000   | 48.000   | .000     | .000     | .000     |
| X2 | .000      | .000     | 1.000    | 242.830  | 243.880  | .000     | .000     | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 243.880  | 244.080  | .000     |
| BT | -20.000   | 4725.000 | 255.000  | 255.000  | 4750.000 | 250.000  | 250.000  | 4885.000 | 245.000  | 245.000  |
| BT | .000      | 5000.000 | 243.880  | 243.880  | 5000.010 | 243.880  | 243.670  | 5002.000 | 243.900  | 242.770  |
| BT | .000      | 5003.000 | 243.910  | 242.770  | 5003.010 | 243.910  | 241.560  | 5008.000 | 243.950  | 241.570  |
| BT | .000      | 5010.000 | 243.970  | 241.580  | 5015.000 | 244.010  | 241.590  | 5018.500 | 244.040  | 241.600  |
| BT | .000      | 5018.510 | 244.040  | 241.600  | 5021.000 | 244.070  | 242.830  | 5022.000 | 244.080  | 242.830  |
| BT | .000      | 5022.500 | 244.080  | 243.930  | 5022.510 | 244.080  | 244.080  | 5112.500 | 245.000  | 245.000  |
| BT | .000      | 5142.500 | 250.000  | 250.000  | 5207.500 | 255.000  | 255.000  | .000     | .000     | .000     |
| GR | 255.000   | 4725.000 | 250.000  | 4750.000 | 245.000  | 4885.000 | 243.880  | 5000.000 | 243.670  | 5000.010 |
| GR | 242.770   | 5002.000 | 242.770  | 5003.000 | 234.020  | 5003.010 | 233.960  | 5008.000 | 233.650  | 5010.000 |
| GR | 233.960   | 5015.000 | 236.450  | 5018.500 | 241.600  | 5018.510 | 242.830  | 5021.000 | 242.830  | 5022.000 |
| GR | 243.930   | 5022.500 | 244.080  | 5022.510 | 245.000  | 5112.500 | 250.000  | 5142.500 | 255.000  | 5207.500 |
| NH | 4.000     | .110     | 5000.000 | .050     | 5022.510 | .055     | 5112.500 | .160     | 5207.500 | .000     |

LAST X-SECTION FOR BRIDGE # 6.

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 97704.000 | 13.000   | 5000.000 | 5022.510 | 15.000   | 15.000   | 15.000   | .000     | .430    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 243.880  | 244.080 | .000     |
| GR | 255.000   | 4725.000 | 250.000  | 4750.000 | 245.000  | 4885.000 | 243.880  | 5000.000 | 234.020 | 5003.010 |
| GR | 233.960   | 5008.000 | 233.650  | 5010.000 | 233.960  | 5015.000 | 236.450  | 5018.500 | 244.080 | 5022.510 |
| GR | 245.000   | 5112.500 | 250.000  | 5142.500 | 255.000  | 5207.500 | .000     | .000     | .000    | .000     |
| NC | .100      | .100     | .050     | .100     | .300     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .160     | 5000.000 | .060     | 5025.010 | .160     | 5250.000 | .000     | .000    | .000     |

FIRST X-SECTION FOR BRIDGE # 5.

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 98200.000 | 16.000   | 5000.000 | 5025.010 | 511.000  | 496.000  | 496.000  | .000     | .440    | .000     |
| GR | 265.000   | 4630.000 | 260.000  | 4680.000 | 255.000  | 4760.000 | 250.000  | 4840.000 | 248.380 | 5000.000 |
| GR | 242.500   | 5015.010 | 241.000  | 5015.500 | 240.500  | 5016.000 | 240.000  | 5017.500 | 240.400 | 5020.010 |
| GR | 240.740   | 5021.000 | 249.880  | 5025.010 | 250.000  | 5060.000 | 255.000  | 5075.000 | 260.000 | 5235.000 |
| GR | 270.000   | 5250.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     |
| NC | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .160     | 5000.000 | .060     | 5025.010 | .160     | 5250.000 | .000     | .000    | .000     |
| X1 | 98219.000 | .000     | .000     | .000     | 19.000   | 19.000   | 19.000   | .000     | .440    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 248.000  | 249.500 | .000     |
| NH | 3.000     | .160     | 5000.000 | .060     | 5025.010 | .160     | 5250.000 | .000     | .000    | .000     |

## BRIDGE # 5, PRIVATE BRIDGE.

ELLC =

ETRD =

SKEW ANGLE = 95.

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 98220.000 | 23.000   | 5000.000 | 5025.010 | 1.000    | 1.000    | 1.000    | .000     | .000    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 248.380  | 249.880 | .000     |
| BT | -23.000   | 4630.000 | 265.000  | 255.000  | 4680.000 | 260.000  | 260.000  | 4760.000 | 255.000 | 255.000  |
| BT | .000      | 4840.000 | 250.000  | 250.000  | 5000.000 | 248.380  | 248.380  | 5000.010 | 254.380 | 248.380  |
| BT | .000      | 5015.000 | 255.450  | 243.450  | 5015.010 | 255.450  | 242.500  | 5015.500 | 255.420 | 244.000  |
| BT | .000      | 5016.000 | 255.520  | 244.500  | 5017.500 | 255.630  | 245.000  | 5019.000 | 255.680 | 244.500  |
| BT | .000      | 5019.500 | 255.700  | 244.000  | 5020.000 | 255.710  | 242.500  | 5020.010 | 255.710 | 240.400  |
| BT | .000      | 5021.000 | 255.740  | 240.740  | 5022.000 | 255.780  | 243.820  | 5025.000 | 255.880 | 249.880  |
| BT | .000      | 5025.010 | 249.880  | 249.880  | 5060.000 | 250.000  | 250.000  | 5075.000 | 255.000 | 255.000  |
| BT | .000      | 5235.000 | 260.000  | 260.000  | 5250.000 | 270.000  | 270.000  | .000     | .000    | .000     |
| GR | 265.000   | 4630.000 | 260.000  | 4680.000 | 255.000  | 4760.000 | 250.000  | 4840.000 | 248.380 | 5000.000 |
| GR | 248.380   | 5000.010 | 243.450  | 5015.000 | 242.500  | 5015.010 | 241.000  | 5015.500 | 240.500 | 5016.000 |
| GR | 240.000   | 5017.500 | 240.500  | 5019.000 | 241.000  | 5019.500 | 242.500  | 5020.000 | 240.400 | 5020.010 |
| GR | 240.740   | 5021.000 | 243.820  | 5022.000 | 249.880  | 5025.000 | 249.880  | 5025.010 | 250.000 | 5060.000 |
| GR | 255.000   | 5075.000 | 260.000  | 5235.000 | 270.000  | 270.000  | .000     | .000     | .000    | .000     |
| NH | 3.000     | .160     | 5000.000 | .060     | 5025.010 | .160     | 5250.000 | .000     | .000    | .000     |
| X1 | 98260.000 | .000     | .000     | .000     | 40.000   | 40.000   | 40.000   | .000     | .000    | .000     |
| X2 | .000      | .000     | .000     | .000     | .000     | .000     | 1.000    | .000     | .000    | .000     |
| NH | 3.000     | .160     | 5000.000 | .060     | 5025.010 | .160     | 5250.000 | .000     | .000    | .000     |
| X1 | 98261.000 | 16.000   | 5000.000 | 5025.010 | 1.000    | 1.000    | 1.000    | .000     | .000    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 248.380  | 249.880 | .000     |
| GR | 265.000   | 4630.000 | 260.000  | 4680.000 | 255.000  | 4760.000 | 250.000  | 4840.000 | 248.380 | 5000.000 |
| GR | 242.500   | 5015.010 | 241.000  | 5015.500 | 240.500  | 5016.000 | 240.000  | 5017.500 | 240.400 | 5020.010 |
| GR | 240.740   | 5021.000 | 249.880  | 5025.010 | 250.000  | 5060.000 | 255.000  | 5075.000 | 260.000 | 5235.000 |
| GR | 270.000   | 5250.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .160     | 5000.000 | .060     | 5025.010 | .160     | 5250.000 | .000     | .000    | .000     |

## LAST X-SECTION FOR BRIDGE # 5.

|    |           |      |          |      |          |       |          |      |          |      |
|----|-----------|------|----------|------|----------|-------|----------|------|----------|------|
| X1 | 98265.000 | .000 | .000     | .000 | 4.000    | 4.000 | 4.000    | .000 | .290     | .000 |
| NC | .100      | .100 | .050     | .100 | .300     | .000  | .000     | .000 | .000     | .000 |
| NH | 4.000     | .160 | 4835.000 | .060 | 5000.000 | .050  | 5035.010 | .160 | 5360.000 | .000 |

## FIRST X-SECTION FOR BRIDGE # 4.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 99161.000 | 19.000   | 5000.000 | 5035.010 | 866.500  | 889.500  | 896.000  | .000     | .790     | .000     |
| GR | 275.000   | 4815.000 | 265.000  | 4825.000 | 260.000  | 4835.000 | 257.370  | 5000.000 | 253.350  | 5009.500 |
| GR | 251.530   | 5010.500 | 251.520  | 5012.250 | 251.390  | 5013.250 | 251.220  | 5017.000 | 251.360  | 5019.750 |
| GR | 251.520   | 5022.510 | 253.920  | 5024.500 | 255.680  | 5027.000 | 256.050  | 5029.000 | 257.400  | 5035.010 |
| GR | 260.000   | 5165.000 | 265.000  | 5260.000 | 270.000  | 5320.000 | 275.000  | 5360.000 | .000     | .000     |
| NC | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000     | .000     |
| NH | 4.000     | .160     | 4835.000 | .060     | 5000.000 | .050     | 5035.010 | .160     | 5360.000 | .000     |

|    |           |       |          |      |          |        |          |         |          |         |
|----|-----------|-------|----------|------|----------|--------|----------|---------|----------|---------|
| X1 | 99206.000 | .000  | .000     | .000 | 45.000   | 45.000 | 45.000   | .000    | .790     | .000    |
| X3 | 10.000    | .000  | .000     | .000 | .000     | .000   | .000     | 257.000 | 257.000  | .000    |
| NH | 4.000     | .160  | 4835.000 | .060 | 5000.000 | .050   | 5035.010 | .160    | 5360.000 | .000    |
| SB | 1.250     | 7.000 | 3.100    | .000 | 9.600    | 1.000  | 33.000   | .000    | 251.220  | 251.220 |

BRIDGE # 4, BEAKLEY RD.

ELLC = ETRD = SKEW ANGLE = 85.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 99253.000 | 35.000   | 5000.000 | 5035.010 | 47.000   | 47.000   | 47.000   | .000     | .000     | .000     |
| X2 | .000      | .000     | 1.000    | 255.050  | 257.320  | .000     | .000     | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 257.370  | 257.400  | .000     |
| BT | -35.000   | 4815.000 | 275.000  | 275.000  | 4825.000 | 265.000  | 265.000  | 4835.000 | 260.000  | 260.000  |
| BT | .000      | 5000.000 | 257.370  | 257.370  | 5000.010 | 257.370  | 257.370  | 5006.000 | 257.360  | 255.180  |
| BT | .000      | 5009.500 | 257.350  | 253.350  | 5010.000 | 257.340  | 253.180  | 5010.500 | 257.340  | 251.530  |
| BT | .000      | 5010.510 | 257.340  | 253.220  | 5011.250 | 257.330  | 254.480  | 5012.250 | 257.330  | 254.920  |
| BT | .000      | 5013.250 | 257.330  | 255.050  | 5014.250 | 257.330  | 254.920  | 5015.250 | 257.320  | 254.480  |
| BT | .000      | 5016.000 | 257.320  | 253.220  | 5016.010 | 257.320  | 251.430  | 5017.000 | 257.320  | 251.220  |
| BT | .000      | 5017.010 | 257.320  | 253.190  | 5017.750 | 257.320  | 254.450  | 5018.750 | 257.330  | 254.890  |
| BT | .000      | 5019.750 | 257.330  | 255.020  | 5020.750 | 257.340  | 254.890  | 5021.750 | 257.340  | 254.450  |
| BT | .000      | 5022.500 | 257.340  | 253.190  | 5022.510 | 257.340  | 251.520  | 5024.500 | 257.350  | 253.920  |
| BT | .000      | 5027.000 | 257.360  | 255.680  | 5029.000 | 257.370  | 256.050  | 5035.000 | 257.400  | 257.020  |
| BT | .000      | 5035.010 | 257.400  | 257.400  | 5165.000 | 260.000  | 260.000  | 5260.000 | 265.000  | 265.000  |
| BT | .000      | 5320.000 | 270.000  | 270.000  | 5360.000 | 275.000  | 275.000  | .000     | .000     | .000     |
| GR | 275.000   | 4815.000 | 265.000  | 4825.000 | 260.000  | 4835.000 | 257.370  | 5000.000 | 257.370  | 5000.010 |
| GR | 256.180   | 5006.000 | 253.350  | 5009.500 | 253.180  | 5010.000 | 251.530  | 5010.500 | 253.220  | 5010.510 |
| GR | 251.960   | 5011.250 | 251.520  | 5012.250 | 251.390  | 5013.250 | 251.520  | 5014.250 | 251.960  | 5015.250 |
| GR | 253.220   | 5016.000 | 251.430  | 5016.010 | 251.220  | 5017.000 | 253.190  | 5017.010 | 251.930  | 5017.750 |
| GR | 251.490   | 5018.750 | 251.360  | 5019.750 | 251.490  | 5020.750 | 251.930  | 5021.750 | 253.190  | 5022.500 |
| GR | 251.520   | 5022.510 | 253.920  | 5024.500 | 255.680  | 5027.000 | 256.050  | 5029.000 | 257.020  | 5035.000 |
| GR | 257.400   | 5035.010 | 260.000  | 5165.000 | 265.000  | 5260.000 | 270.000  | 5320.000 | 275.000  | 5360.000 |
| NH | 4.000     | .160     | 4835.000 | .060     | 5000.000 | .050     | 5035.010 | .160     | 5360.000 | .000     |

LAST X-SECTION FOR BRIDGE # 4.

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 99265.000 | 19.000   | 5000.000 | 5035.010 | 12.000   | 12.000   | 12.000   | .000     | .220    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 257.370  | 257.400 | .000     |
| GR | 275.000   | 4815.000 | 265.000  | 4825.000 | 260.000  | 4835.000 | 257.370  | 5000.000 | 253.350 | 5009.500 |
| GR | 251.530   | 5010.500 | 251.520  | 5012.250 | 251.390  | 5013.250 | 251.220  | 5017.000 | 251.360 | 5019.750 |
| GR | 251.520   | 5022.510 | 253.920  | 5024.500 | 255.680  | 5027.000 | 256.050  | 5029.000 | 257.400 | 5035.010 |
| GR | 260.000   | 5165.000 | 265.000  | 5260.000 | 270.000  | 5320.000 | 275.000  | 5360.000 | .000    | .000     |
| NC | .100      | .100     | .050     | .100     | .300     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .160     | 5000.000 | .052     | 5011.200 | .160     | 5200.010 | .000     | .000    | .000     |
| QT | 6.000     | 405.000  | 755.000  | 874.000  | 1199.000 | 577.000  | 474.000  | .000     | .000    | .000     |

FIRST X-SECTION FOR BRIDGE # 4B.



|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 99360.000 | 12.000   | 5000.000 | 5011.200 | 95.000   | 95.000   | 95.000   | .000     | .900    | .000     |
| GR | 285.210   | 4800.000 | 280.000  | 4800.010 | 263.000  | 4920.000 | 262.110  | 5000.000 | 253.100 | 5001.410 |
| GR | 253.100   | 5005.000 | 253.290  | 5008.000 | 253.380  | 5010.000 | 262.350  | 5011.200 | 264.000 | 5100.000 |
| GR | 280.000   | 5200.000 | 285.210  | 5200.010 | .000     | .000     | .000     | .000     | .000    | .000     |
| NH | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .160     | 5000.000 | .052     | 5011.200 | .160     | 5200.010 | .000     | .000    | .000     |
| X1 | 99393.000 | .000     | .000     | .000     | 33.000   | 33.000   | 33.000   | .000     | .900    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 262.000  | 262.000 | .000     |
| NH | 3.000     | .160     | 5000.000 | .052     | 5011.210 | .160     | 5200.010 | .000     | .000    | .000     |
| S8 | 1.250     | 3.900    | 2.600    | .000     | 6.700    | .010     | 63.000   | .320     | 253.100 | 253.100  |

BRIDGE # 4B, 321.

ELLCC =

ETRD =

SKEW ANGLE = 125.

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 99606.000 | 17.000   | 5000.000 | 5011.210 | 213.000  | 213.000  | 213.000  | .000     | .000    | .000     |
| X2 | .000      | .000     | 1.000    | 260.150  | 285.210  | .000     | .000     | .000     | .000    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 285.210  | 285.210 | .000     |
| BT | -17.000   | 4800.000 | 285.210  | 285.210  | 4800.010 | 285.210  | 280.000  | 4920.000 | 285.210 | 263.000  |
| BT | .000      | 5000.000 | 285.210  | 262.110  | 5000.010 | 285.210  | 253.100  | 5000.080 | 285.210 | 253.100  |
| BT | .000      | 5001.400 | 285.210  | 253.100  | 5001.410 | 285.210  | 259.910  | 5005.000 | 285.210 | 260.020  |
| BT | .000      | 5008.000 | 285.210  | 260.080  | 5010.000 | 285.210  | 260.150  | 5010.010 | 285.210 | 253.380  |
| BT | .000      | 5011.200 | 285.210  | 253.380  | 5011.210 | 285.210  | 262.350  | 5100.000 | 285.210 | 264.000  |
| BT | .000      | 5200.000 | 285.210  | 280.000  | 5200.010 | 285.210  | 285.210  | .000     | .000    | .000     |
| GR | 285.210   | 4800.000 | 280.000  | 4800.010 | 263.000  | 4920.000 | 262.110  | 5000.000 | 253.100 | 5000.010 |
| GR | 253.100   | 5000.080 | 253.100  | 5001.400 | 253.100  | 5001.410 | 253.100  | 5005.000 | 253.290 | 5008.000 |
| GR | 253.380   | 5010.000 | 253.380  | 5010.010 | 253.380  | 5011.200 | 262.350  | 5011.210 | 264.000 | 5100.000 |
| GR | 280.000   | 5200.000 | 285.210  | 5200.010 | .000     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .160     | 5000.000 | .052     | 5011.200 | .160     | 5200.010 | .000     | .000    | .000     |
| X1 | 99615.000 | 12.000   | 5000.000 | 5011.200 | 9.000    | 9.000    | 9.000    | .000     | 2.100   | .000     |
| GR | 285.210   | 4800.000 | 280.000  | 4800.010 | 263.000  | 4920.000 | 262.110  | 5000.000 | 253.160 | 5001.410 |
| GR | 253.100   | 5005.000 | 253.290  | 5008.000 | 253.380  | 5010.000 | 262.350  | 5011.200 | 264.000 | 5100.000 |
| GR | 280.000   | 5200.000 | 285.210  | 5200.010 | .000     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .160     | 5000.000 | .055     | 5032.010 | .160     | 5257.010 | .000     | .000    | .000     |

LAST X-SECTION FOR BRIDGE # 4B.

FIRST X-SECTION FOR BRIDGE # 4A.

|    |           |          |          |          |         |          |         |          |         |          |
|----|-----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 99657.000 | 17.000   | 5000.000 | 5032.010 | 42.000  | 42.000   | 42.000  | .000     | -1.980  | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000    | .000     | .000    | 264.000  | 265.000 | .000     |
| GR | 280.000   | 4755.000 | 275.000  | 4775.000 | 270.000 | 4800.000 | 265.000 | 4835.000 | 264.230 | 5000.000 |
| GR | 258.540   | 5004.000 | 258.350  | 5007.000 | 258.070 | 5010.000 | 257.950 | 5015.000 | 258.350 | 5016.000 |
| GR | 259.670   | 5018.000 | 262.670  | 5026.000 | 265.480 | 5032.010 | 265.000 | 5187.010 | 270.000 | 5202.010 |
| GR | 275.000   | 5227.010 | 280.000  | 5257.010 | .000    | .000     | .000    | .000     | .000    | .000     |

|    |           |      |          |      |          |         |          |      |       |      |
|----|-----------|------|----------|------|----------|---------|----------|------|-------|------|
| X1 | 99760.000 | .000 | .000     | .000 | 103.000  | 103.000 | 103.000  | .000 | 1.980 | .000 |
| NH | 3.000     | .160 | 5000.000 | .055 | 5032.010 | .160    | 5257.010 | .000 | .000  | .000 |

BRIDGE # 4A, PRIVATE BRIDGE.

ELLC = ETRD = SKEW ANGLE = 90.

|    |           |          |          |          |          |          |         |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|---------|----------|---------|----------|
| X1 | 99761.000 | 19.000   | 5000.000 | 5032.010 | 1.000    | 1.000    | 1.000   | .000     | .000    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000    | 264.230  | 265.480 | .000     |
| BT | -19.000   | 4755.000 | 280.000  | 280.000  | 4775.000 | 275.000  | 275.000 | 4800.000 | 270.000 | 270.000  |
| BT | .000      | 4835.000 | 265.000  | 265.000  | 5000.000 | 264.230  | 264.230 | 5000.010 | 264.230 | 261.650  |
| BT | .000      | 5004.000 | 264.390  | 261.810  | 5007.000 | 264.500  | 261.920 | 5010.000 | 264.620 | 262.040  |
| BT | .000      | 5015.000 | 264.820  | 262.240  | 5016.000 | 264.860  | 262.280 | 5018.000 | 264.930 | 262.350  |
| BT | .000      | 5026.000 | 265.250  | 262.670  | 5032.000 | 265.480  | 262.900 | 5032.010 | 265.480 | 265.480  |
| BT | .000      | 5187.010 | 265.000  | 265.000  | 5202.010 | 270.000  | 270.000 | 5227.010 | 275.000 | 275.000  |
| BT | .000      | 5257.010 | 280.000  | 280.000  | .000     | .000     | .000    | .000     | .000    | .000     |
| GR | 280.000   | 4755.000 | 275.000  | 4775.000 | 270.000  | 4800.000 | 265.000 | 4835.000 | 264.230 | 5000.000 |
| GR | 261.650   | 5000.010 | 258.540  | 5004.000 | 258.350  | 5007.000 | 258.070 | 5010.000 | 257.950 | 5015.000 |
| GR | 258.350   | 5016.000 | 259.670  | 5018.000 | 262.670  | 5026.000 | 262.900 | 5032.000 | 265.480 | 5032.010 |
| GR | 265.000   | 5187.010 | 270.000  | 5202.010 | 275.000  | 5227.010 | 280.000 | 5257.010 | .000    | .000     |

|    |           |      |          |      |          |       |          |      |      |      |
|----|-----------|------|----------|------|----------|-------|----------|------|------|------|
| NH | 3.000     | .160 | 5000.000 | .055 | 5032.010 | .160  | 5257.010 | .000 | .000 | .000 |
| X1 | 99769.000 | .000 | .000     | .000 | 8.000    | 8.000 | 8.000    | .000 | .000 | .000 |
| X2 | .000      | .000 | .000     | .000 | .000     | .000  | 1.000    | .000 | .000 | .000 |

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| NH | 3.000     | .160     | 5000.000 | .055     | 5032.010 | .160     | 5257.010 | .000     | .000    | .000     |
| X1 | 99770.000 | 17.000   | 5000.000 | 5032.010 | 1.000    | 1.000    | 1.000    | .000     | .000    | .000     |
| GR | 280.000   | 4755.000 | 275.000  | 4775.000 | 270.000  | 4800.000 | 265.000  | 4835.000 | 264.230 | 5000.000 |
| GR | 258.540   | 5004.000 | 258.350  | 5007.000 | 258.070  | 5010.000 | 257.950  | 5015.000 | 258.350 | 5016.000 |
| GR | 259.670   | 5018.000 | 262.670  | 5026.000 | 265.480  | 5032.010 | 265.000  | 5187.010 | 270.000 | 5202.010 |
| GR | 275.000   | 5227.010 | 280.000  | 5257.010 | .000     | .000     | .000     | .000     | .000    | .000     |

|    |       |      |          |      |          |      |          |      |      |      |
|----|-------|------|----------|------|----------|------|----------|------|------|------|
| NH | 3.000 | .160 | 5000.000 | .055 | 5032.010 | .160 | 5257.010 | .000 | .000 | .000 |
|----|-------|------|----------|------|----------|------|----------|------|------|------|

LAST X-SECTION FOR BRIDGE # 4A.

|    |           |      |          |      |          |        |          |      |        |      |
|----|-----------|------|----------|------|----------|--------|----------|------|--------|------|
| X1 | 99795.000 | .000 | .000     | .000 | 25.000   | 55.000 | 25.000   | .000 | -3.340 | .000 |
| NC | .100      | .100 | .050     | .100 | .300     | .000   | .000     | .000 | .000   | .000 |
| NH | 3.000     | .170 | 5268.000 | .057 | 5288.000 | .170   | 5470.000 | .000 | .000   | .000 |

X-SECTION GUJ

|    |           |          |          |          |         |          |         |          |         |          |
|----|-----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 99805.000 | 19.000   | 5268.000 | 5288.000 | 10.000  | 10.000   | 10.000  | .000     | .000    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000    | .000     | .000    | 259.400  | 259.800 | .000     |
| GR | 280.000   | 5000.000 | 275.000  | 5030.000 | 270.000 | 5055.000 | 265.000 | 5090.000 | 260.000 | 5160.000 |
| GR | 258.700   | 5228.000 | 259.400  | 5253.000 | 259.400 | 5268.000 | 254.000 | 5269.000 | 253.500 | 5270.000 |
| GR | 253.500   | 5273.000 | 254.000  | 5277.000 | 259.800 | 5288.000 | 261.200 | 5313.000 | 260.000 | 5325.000 |
| GR | 265.000   | 5360.000 | 270.000  | 5400.000 | 275.000 | 5440.000 | 280.000 | 5470.000 | .000    | .000     |

NH 3.000 .170 5015.000 .057 5038.000 .170 5130.000 .000 .000 .000

X-SECTION GUJ 2

X1 100285.000 17.000 5015.000 5038.000 450.000 480.000 480.000 .000 .000 .000  
 GR 280.000 4755.000 275.000 4775.000 270.000 4820.000 265.000 4960.000 260.000 5000.000  
 GR 259.600 5015.000 257.500 5016.000 256.200 5019.000 255.700 5025.000 256.400 5032.000  
 GR 258.000 5037.000 259.900 5038.000 260.000 5055.000 265.000 5075.000 270.000 5090.000  
 GR 275.000 5110.000 280.000 5130.000 .000 .000 .000 .000 .000 .000

NH 3.000 .170 5000.010 .057 5021.000 .170 5221.000 .000 .000 .000

FIRST X-SECTION FOR BRIDGE # 3A.

X1 100413.000 21.000 5000.010 5021.000 128.000 128.000 128.000 .000 -1.070 .000  
 GR 295.000 4650.000 290.000 4675.000 285.000 4710.000 280.000 4750.000 275.000 4785.000  
 GR 270.000 4940.000 268.560 5000.010 267.480 5004.000 264.810 5006.000 263.990 5009.000  
 GR 263.610 5010.000 263.600 5013.000 263.990 5015.000 266.640 5016.000 268.750 5018.500  
 GR 270.170 5021.000 275.000 5056.000 280.000 5111.000 285.000 5141.000 290.000 5181.000  
 GR 295.000 5221.000 .000 .000 .000 .000 .000 .000 .000 .000

NC .000 .000 .000 .300 .500 .000 .000 .000 .000 .000  
 NH 3.000 .170 5000.010 .057 5021.000 .170 5221.000 .000 .000 .000  
 X1 100480.000 .000 .000 .000 67.000 67.000 67.000 .000 1.070 .000  
 X3 10.000 .000 .000 .000 .000 .000 .000 269.650 271.080 .000

NH 3.000 .170 5000.000 .057 5021.010 .170 5221.000 .000 .000 .000

BRIDGE # 3A, PRIVATE BRIDGE.

ELLCC =

ETRD =

SKEW ANGLE = 100.

X1 100481.000 26.000 5000.000 5021.010 1.000 1.000 1.000 .000 .000 .000  
 BT -26.000 4650.000 295.000 295.000 4675.000 290.000 290.000 4710.000 285.000 285.000  
 BT .000 4750.000 280.000 280.000 4785.000 275.000 275.000 4940.000 270.000 270.000  
 BT .000 5000.000 269.650 269.650 5000.010 269.650 268.560 5001.500 269.750 268.680  
 BT .000 5001.510 269.750 268.680 5004.000 269.920 268.960 5006.000 270.060 269.110  
 BT .000 5009.000 270.260 269.320 5010.000 270.330 269.390 5013.000 270.540 269.600  
 BT .000 5015.000 270.670 269.740 5016.000 270.740 269.810 5018.500 270.910 269.990  
 BT .000 5018.510 270.910 269.990 5021.000 271.080 270.170 5021.010 271.080 271.080  
 BT .000 5056.000 275.000 275.000 5111.000 280.000 280.000 5141.000 285.000 285.000  
 BT .000 5181.000 290.000 290.000 5221.000 295.000 295.000 .000 .000 .000  
 GR 295.000 4650.000 290.000 4675.000 285.000 4710.000 280.000 4750.000 275.000 4785.000  
 GR 270.000 4940.000 269.650 5000.000 268.560 5000.010 268.680 5001.500 268.670 5001.510  
 GR 267.480 5004.000 264.810 5006.000 263.990 5009.000 263.610 5010.000 263.600 5013.000  
 GR 263.990 5015.000 266.640 5016.000 268.750 5018.500 269.990 5018.510 270.170 5021.000  
 GR 271.080 5021.010 275.000 5056.000 280.000 5111.000 285.000 5141.000 290.000 5181.000  
 GR 295.000 5221.000 .000 .000 .000 .000 .000 .000 .000 .000

|    |            |          |          |          |          |          |          |          |         |          |
|----|------------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| NH | 3.000      | .170     | 5000.000 | .057     | 5021.010 | .170     | 5221.000 | .000     | .000    | .000     |
| X1 | 100489.000 | .000     | .000     | .000     | 8.000    | 8.000    | 8.000    | .000     | .000    | .000     |
| X2 | .000       | .000     | .000     | .000     | .000     | .000     | 1.000    | .000     | .000    | .000     |
| NH | 3.000      | .170     | 5000.010 | .057     | 5021.000 | .160     | 5221.000 | .000     | .000    | .000     |
| X1 | 100490.000 | 21.000   | 5000.010 | 5021.000 | 1.000    | 1.000    | 1.000    | .000     | .000    | .000     |
| X1 | 10.000     | .000     | .000     | .000     | .000     | .000     | .000     | 269.650  | 271.080 | .000     |
| GR | 295.000    | 4650.000 | 290.000  | 4675.000 | 285.000  | 4710.000 | 290.000  | 4750.000 | 275.000 | 4785.000 |
| GR | 270.000    | 4940.000 | 268.560  | 5000.010 | 267.480  | 5004.000 | 267.810  | 5006.000 | 263.950 | 5009.000 |
| GR | 263.610    | 5010.000 | 263.600  | 5013.000 | 263.990  | 5015.000 | 266.640  | 5016.000 | 268.750 | 5018.500 |
| GR | 270.170    | 5021.000 | 275.000  | 5056.000 | 280.000  | 5111.000 | 285.000  | 5141.000 | 290.000 | 5181.000 |
| GR | 295.000    | 5221.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000      | .170     | 5000.010 | .057     | 5021.000 | .160     | 5221.000 | .000     | .000    | .000     |

LAST X-SECTION FOR BRIDGE # 3A.

|    |            |      |          |      |          |        |          |      |      |      |
|----|------------|------|----------|------|----------|--------|----------|------|------|------|
| X1 | 100506.000 | .000 | .000     | .000 | 16.000   | 16.000 | 16.000   | .000 | .190 | .000 |
| NC | .100       | .000 | .050     | .100 | .300     | .000   | .000     | .000 | .000 | .000 |
| NH | 3.000      | .170 | 5000.000 | .057 | 5019.000 | .160   | 5211.000 | .000 | .000 | .000 |

FIRST X-SECTION FOR BRIDGE # 3C.

|    |            |          |          |          |          |          |          |          |         |          |
|----|------------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 100643.000 | 22.000   | 5000.000 | 5019.000 | 142.000  | 137.000  | 137.000  | .000     | -.520   | .000     |
| GR | 300.000    | 4695.000 | 295.000  | 4715.000 | 290.000  | 4735.000 | 285.000  | 4765.000 | 280.000 | 4800.000 |
| GR | 275.000    | 4860.000 | 270.740  | 5000.000 | 270.140  | 5000.010 | 267.660  | 5002.000 | 265.740 | 5005.500 |
| GR | 265.580    | 5007.500 | 265.740  | 5010.500 | 267.090  | 5012.000 | 267.870  | 5014.000 | 268.470 | 5014.010 |
| GR | 269.960    | 5019.000 | 275.000  | 5046.000 | 280.000  | 5076.000 | 285.000  | 5136.000 | 290.000 | 5156.000 |
| GR | 295.000    | 5186.000 | 300.000  | 5211.000 | .000     | .000     | .000     | .000     | .000    | .000     |
| NC | .000       | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000      | .170     | 5000.000 | .057     | 5019.000 | .160     | 5211.000 | .000     | .000    | .000     |
| X1 | 100698.000 | .000     | .000     | .000     | 55.000   | 55.000   | 55.000   | .000     | .520    | .000     |
| X3 | 10.000     | .000     | .000     | .000     | .000     | .000     | .000     | 270.740  | 269.960 | .000     |
| NH | 3.000      | .170     | 5000.000 | .057     | 5019.000 | .160     | 5211.000 | .000     | .000    | .000     |

BRIDGE # 3C, PRIVATE FOOT BRIDGE.

ELLCC =                      ETRD =                      SKEW ANGLE = 90.

|    |            |          |         |         |          |         |         |          |         |         |
|----|------------|----------|---------|---------|----------|---------|---------|----------|---------|---------|
| X1 | 100699.000 | .000     | .000    | .000    | 1.000    | 1.000   | 1.000   | .000     | .000    | .000    |
| BT | -22.000    | 4695.000 | 300.000 | 300.000 | 4715.000 | 295.000 | 295.000 | 4735.000 | 290.000 | 290.000 |
| BT | .000       | 4765.000 | 285.000 | 285.000 | 4800.000 | 280.000 | 280.000 | 4860.000 | 275.000 | 275.000 |
| BT | .000       | 5000.000 | 270.740 | 270.740 | 5000.010 | 270.740 | 270.140 | 5002.000 | 270.420 | 269.820 |
| BT | .000       | 5005.500 | 269.850 | 269.250 | 5007.500 | 269.520 | 268.920 | 5010.500 | 259.040 | 268.440 |
| BT | .000       | 5012.000 | 268.790 | 268.190 | 5014.000 | 268.470 | 267.870 | 5014.010 | 268.470 | 268.470 |
| BT | .000       | 5019.000 | 269.960 | 269.960 | 5046.000 | 275.000 | 275.000 | 5076.000 | 280.000 | 280.000 |
| BT | .000       | 5136.000 | 285.000 | 285.000 | 5156.000 | 290.000 | 290.000 | 5186.000 | 295.000 | 295.000 |
| BT | .000       | 5211.000 | 300.000 | 300.000 | .000     | .000    | .000    | .000     | .000    | .000    |

|    |            |      |          |      |          |       |          |         |         |      |
|----|------------|------|----------|------|----------|-------|----------|---------|---------|------|
| NH | 3.000      | .170 | 5000.000 | .057 | 5019.000 | .160  | 5211.000 | .000    | .000    | .000 |
| X1 | 100701.000 | .000 | .000     | .000 | 2.000    | 2.000 | 2.000    | .000    | .000    | .000 |
| X2 | .000       | .000 | .000     | .000 | .000     | .000  | 1.000    | .000    | .000    | .000 |
| NH | 3.000      | .170 | 5000.000 | .057 | 5019.000 | .160  | 5211.000 | .000    | .000    | .000 |
| X1 | 100702.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000    | .000    | .000 |
| X3 | 10.000     | .000 | .000     | .000 | .000     | .000  | .000     | 270.740 | 269.960 | .000 |
| NH | 3.000      | .170 | 5000.000 | .057 | 5019.000 | .160  | 5211.000 | .000    | .000    | .000 |

LAST X-SECTION FOR BRIDGE # 3C.

|    |            |      |          |      |          |        |          |      |      |      |
|----|------------|------|----------|------|----------|--------|----------|------|------|------|
| X1 | 100715.000 | .000 | .000     | .000 | 13.000   | 13.000 | 13.000   | .000 | .070 | .000 |
| NC | .100       | .100 | .050     | .100 | .300     | .000   | .000     | .000 | .000 | .000 |
| NH | 3.000      | .170 | 5000.000 | .057 | 5026.000 | .160   | 5211.000 | .000 | .000 | .000 |

FIRST X-SECTION FOR BRIDGE # 3B.

|    |            |          |          |          |          |          |          |          |         |          |
|----|------------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 100773.000 | 22.000   | 5000.000 | 5026.000 | 42.500   | 57.500   | 58.000   | .000     | .080    | .000     |
| GR | 300.000    | 4695.000 | 295.000  | 4715.000 | 290.000  | 4735.000 | 285.000  | 4765.000 | 280.000 | 4800.000 |
| GR | 275.000    | 4860.000 | 273.510  | 5000.000 | 272.280  | 5003.500 | 272.620  | 5006.000 | 268.250 | 5009.000 |
| GR | 266.330    | 5009.010 | 266.650  | 5013.000 | 265.990  | 5016.600 | 266.300  | 5022.000 | 268.350 | 5022.010 |
| GR | 273.390    | 5026.000 | 275.000  | 5044.000 | 280.000  | 5076.000 | 285.000  | 5133.000 | 290.000 | 5156.000 |
| GR | 295.000    | 5186.000 | 300.000  | 5211.000 | .000     | .000     | .000     | .000     | .000    | .000     |
| NC | .000       | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000      | .160     | 5000.000 | .056     | 5026.000 | .160     | 5211.000 | .000     | .000    | .000     |
| X1 | 100788.000 | .000     | .000     | .000     | 15.000   | 15.000   | 15.000   | .000     | .080    | .000     |
| X3 | 10.000     | .000     | .000     | .000     | .000     | .000     | .000     | 273.510  | 273.390 | .000     |
| NH | 3.000      | .160     | 5000.000 | .056     | 5026.000 | .160     | 5211.000 | .000     | .000    | .000     |

BRIDGE # 3B, CONCRETE ENCASED SEWAGE PIPE.

ELLCC = ETRD = SKEW ANGLE = 125.

|    |            |          |         |         |          |         |         |          |         |         |
|----|------------|----------|---------|---------|----------|---------|---------|----------|---------|---------|
| X1 | 100789.000 | .000     | .000    | .000    | 1.000    | 1.000   | 1.000   | .000     | .000    | .000    |
| X3 | 10.000     | .000     | .000    | .000    | .000     | .000    | .000    | .000     | .000    | .000    |
| BT | -22.000    | 4695.000 | 300.000 | 300.000 | 4715.000 | 295.000 | 295.000 | 4735.000 | 273.390 | 290.000 |
| BT | .000       | 4765.000 | 285.000 | 285.000 | 4800.000 | 280.000 | 280.000 | 4860.000 | 275.000 | 275.000 |
| BT | .000       | 5000.000 | 273.510 | 273.510 | 5003.500 | 272.280 | 272.280 | 5006.000 | 272.620 | 272.620 |
| BT | .000       | 5009.010 | 268.250 | 268.250 | 5009.010 | 268.250 | 266.330 | 5013.000 | 268.570 | 266.650 |
| BT | .000       | 5016.000 | 267.770 | 265.990 | 5022.000 | 268.350 | 266.300 | 5022.010 | 268.350 | 68.350  |
| BT | .000       | 5026.000 | 273.390 | 273.390 | 5046.000 | 275.000 | 275.000 | 5076.000 | 280.000 | 280.000 |
| BT | .000       | 5136.000 | 285.000 | 285.000 | 5156.000 | 290.000 | 290.000 | 5186.000 | 295.000 | 295.000 |
| BT | .000       | 5211.000 | 300.000 | 300.000 | .000     | .000    | .000    | .000     | .000    | .000    |

|    |            |      |          |      |          |       |          |      |         |      |
|----|------------|------|----------|------|----------|-------|----------|------|---------|------|
| NH | 3.000      | .160 | 5000.000 | .054 | 5026.000 | .160  | 5211.000 | .000 | .000    | .000 |
| X1 | 100792.000 | .000 | .000     | .000 | 3.000    | 3.000 | 3.000    | .000 | .000    | .000 |
| X2 | .000       | .000 | .000     | .000 | .000     | .000  | 1.000    | .000 | .000    | .000 |
| NH | 3.000      | .160 | 5000.000 | .054 | 5026.000 | .160  | 5211.000 | .000 | .000    | .000 |
| X1 | 100793.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000 | .000    | .000 |
| X3 | 10.000     | .000 | .000     | .000 | .000     | .000  | 273.510  | .000 | 273.390 | .000 |
| NH | 3.000      | .160 | 5000.000 | .054 | 5026.000 | .160  | 5211.000 | .000 | .000    | .000 |

FIRST X-SECTION FOR BRIDGE # 3.  
LAST X-SECTION FOR BRIDGE # 38.

|    |            |          |          |          |          |          |          |         |          |          |
|----|------------|----------|----------|----------|----------|----------|----------|---------|----------|----------|
| X1 | 100796.000 | .000     | .000     | .000     | 3.000    | 3.000    | 3.000    | .000    | .000     | .000     |
| NH | 3.000      | .160     | 5004.520 | .054     | 5029.500 | .160     | 5226.000 | .000    | .000     | .000     |
| X1 | 100823.000 | 33.000   | 5004.520 | 5029.500 | 28.000   | 28.000   | 27.000   | .000    | .000     | .000     |
| X3 | 10.000     | .000     | .000     | .000     | .000     | .000     | 274.000  | .000    | 274.000  | .000     |
| GR | 300.000    | 4705.000 | 295.000  | 4725.000 | 290.000  | 4745.000 | 4770.000 | 280.000 | 4800.000 | 280.000  |
| GR | 275.000    | 4870.000 | 274.940  | 5000.000 | 274.910  | 5000.010 | 5003.700 | 273.770 | 5004.520 | 5004.520 |
| GR | 273.760    | 5004.530 | 273.120  | 5006.500 | 269.170  | 5008.170 | 5008.180 | 269.170 | 5008.830 | 269.170  |
| GR | 269.170    | 5008.840 | 268.240  | 5011.500 | 268.240  | 5011.510 | 268.240  | 268.240 | 5012.510 | 268.240  |
| GR | 268.120    | 5015.000 | 267.890  | 5020.000 | 268.240  | 5022.000 | 268.590  | 273.870 | 5029.500 | 273.870  |
| GR | 274.600    | 5036.000 | 274.600  | 5036.010 | 275.000  | 5046.000 | 280.000  | 285.000 | 5136.000 | 285.000  |
| GR | 290.000    | 5156.000 | 295.000  | 5191.000 | 300.000  | 5226.000 | .000     | .000    | .000     | .000     |
| NH | 3.000      | .160     | 5004.520 | .054     | 5029.500 | .160     | 5226.000 | .000    | .000     | .000     |
| SB | 1.050      | 2.490    | 2.600    | .000     | 2.480    | 1.800    | 81.000   | 1.650   | 268.120  | 269.120  |

BRIDGE # 3, PRIVATE BRIDGE.

ELLCC = ETRD = SKEW ANGLE = 130.

|    |            |          |         |         |          |         |          |          |         |         |
|----|------------|----------|---------|---------|----------|---------|----------|----------|---------|---------|
| X1 | 100836.000 | .000     | .000    | .000    | 13.000   | 13.000  | 13.000   | .000     | .000    | .000    |
| X2 | .000       | .000     | 1.000   | 274.910 | 274.940  | .000    | .000     | .000     | .000    | .000    |
| X3 | 10.000     | .000     | .000    | .000    | .000     | .000    | 274.940  | .000     | 274.600 | .000    |
| BT | -33.000    | 4705.000 | 300.000 | 300.000 | 4725.000 | 295.000 | 295.000  | 4745.000 | 290.000 | 290.000 |
| BT | .000       | 4770.000 | 285.000 | 285.000 | 4800.000 | 280.000 | 280.000  | 4870.000 | 275.000 | 275.000 |
| BT | .000       | 5000.000 | 274.940 | 274.940 | 5000.010 | 274.940 | 274.910  | 5003.700 | 274.950 | 274.040 |
| BT | .000       | 5004.520 | 274.960 | 273.770 | 5004.530 | 274.960 | 5006.500 | 274.970  | 273.780 | 273.780 |
| BT | .000       | 5008.170 | 274.970 | 273.780 | 5008.180 | 274.970 | 269.170  | 5008.830 | 274.980 | 269.170 |
| BT | .000       | 5008.840 | 274.980 | 273.790 | 5011.500 | 274.990 | 273.800  | 5011.510 | 274.990 | 269.240 |
| BT | .000       | 5012.500 | 274.990 | 268.240 | 5012.510 | 274.990 | 273.800  | 5015.000 | 275.000 | 273.810 |
| BT | .000       | 5020.000 | 275.020 | 273.830 | 5022.000 | 275.030 | 273.840  | 5024.000 | 275.040 | 273.850 |
| BT | .000       | 5029.510 | 275.060 | 273.870 | 5036.000 | 275.790 | 274.600  | 5036.010 | 274.600 | 274.600 |
| BT | .000       | 5046.000 | 275.000 | 275.000 | 5071.000 | 280.000 | 280.000  | 5136.000 | 285.000 | 285.000 |
| BT | .000       | 5156.000 | 290.000 | 290.000 | 5191.000 | 295.000 | 295.000  | 5226.000 | 300.000 | 300.000 |

|    |       |      |          |      |          |      |          |      |      |      |
|----|-------|------|----------|------|----------|------|----------|------|------|------|
| NH | 3.000 | .160 | 5000.000 | .054 | 5036.010 | .160 | 5226.000 | .000 | .000 | .000 |
|----|-------|------|----------|------|----------|------|----------|------|------|------|

## LAST X-SECTION FOR BRIDGE # 3.

|    |            |      |          |      |          |        |          |         |          |      |
|----|------------|------|----------|------|----------|--------|----------|---------|----------|------|
| X1 | 100861.000 | .000 | .000     | .000 | 25.000   | 25.000 | 25.000   | .000    | .250     | .000 |
| X3 | 10.000     | .000 | .000     | .000 | .000     | .000   | .000     | 274.940 | 274.600  | .000 |
| NC | .100       | .100 | .050     | .100 | .300     | .000   | .000     | .000    | .000     | .000 |
| NH | 4.000      | .160 | 5000.000 | .053 | 5025.000 | .070   | 5115.000 | .160    | 5465.000 | .000 |

## FIRST X-SECTION FOR BRIDGE # 2A.

|    |            |          |          |          |          |          |          |          |          |          |
|----|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 101187.000 | 20.000   | 5000.000 | 5025.000 | 326.000  | 306.000  | 326.000  | .000     | -.350    | .000     |
| GR | 310.000    | 4680.000 | 305.000  | 4700.000 | 300.000  | 4740.000 | 295.000  | 4820.000 | 290.000  | 4860.000 |
| GR | 285.000    | 4910.000 | 282.280  | 5000.000 | 274.150  | 5012.000 | 271.550  | 5013.500 | 271.150  | 5015.000 |
| GR | 271.550    | 5016.500 | 281.190  | 5025.000 | 281.030  | 5030.000 | 280.000  | 5115.000 | 285.000  | 5180.000 |
| GR | 290.000    | 5220.000 | 295.000  | 5280.000 | 300.000  | 5320.000 | 305.000  | 5390.000 | 310.000  | 5465.000 |
| NC | .000       | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000     | .000     |
| NH | 4.000      | .160     | 5000.000 | .052     | 5025.000 | .070     | 5115.000 | .160     | 5465.000 | .000     |
| X1 | 101210.000 | .000     | .000     | .000     | 23.000   | 23.000   | 23.000   | .000     | .350     | .000     |
| X3 | 10.000     | .000     | .000     | .000     | .000     | .000     | .000     | 280.000  | 280.000  | .000     |
| NH | 4.000      | .160     | 5000.000 | .052     | 5025.000 | .070     | 5115.000 | .160     | 5465.000 | .000     |
| SB | 1.250      | 5.340    | 2.600    | .000     | 4.720    | .010     | 28.270   | .000     | 271.150  | 271.150  |

## BRIDGE # 2A, HIBRITEN RD.

ELLCC =

ETRD =

SKEW ANGLE = 110.

|    |            |          |          |          |          |          |         |          |         |          |
|----|------------|----------|----------|----------|----------|----------|---------|----------|---------|----------|
| X1 | 101249.000 | 25.000   | 5000.000 | 5025.000 | 39.000   | 39.000   | 39.000  | .000     | .000    | .000     |
| X2 | .000       | .000     | 1.000    | 277.150  | 280.000  | .000     | .000    | .000     | .000    | .000     |
| X3 | 10.000     | .000     | .000     | .000     | .000     | .000     | .000    | 282.280  | 280.000 | .000     |
| BT | -25.000    | 4680.000 | 310.000  | 310.000  | 4700.000 | 305.000  | 305.000 | 4740.000 | 300.000 | 300.000  |
| BT | .000       | 4820.000 | 295.000  | 295.000  | 4860.000 | 290.000  | 290.000 | 4910.000 | 285.000 | 285.000  |
| BT | .000       | 5000.000 | 282.280  | 282.280  | 5010.000 | 281.840  | 279.750 | 5012.000 | 281.760 | 274.150  |
| BT | .000       | 5012.400 | 281.740  | 275.650  | 5013.500 | 281.690  | 276.750 | 5015.000 | 281.630 | 277.150  |
| BT | .000       | 5016.500 | 281.560  | 276.750  | 5017.600 | 281.510  | 275.650 | 5018.000 | 281.500 | 274.150  |
| BT | .000       | 5020.000 | 281.410  | 280.160  | 5025.000 | 281.190  | 281.190 | 5030.000 | 281.030 | 281.030  |
| BT | .000       | 5115.000 | 280.000  | 280.000  | 5180.000 | 285.000  | 285.000 | 5220.000 | 290.000 | 290.000  |
| BT | .000       | 5280.000 | 295.000  | 295.000  | 5320.000 | 300.000  | 300.000 | 5390.000 | 305.000 | 305.000  |
| BT | .000       | 5465.000 | 310.000  | 310.000  | .000     | .000     | .000    | .000     | .000    | .000     |
| GR | 310.000    | 4680.000 | 305.000  | 4700.000 | 300.000  | 4740.000 | 295.000 | 4820.000 | 290.000 | 4860.000 |
| GR | 285.000    | 4910.000 | 282.280  | 5000.000 | 279.750  | 5010.000 | 274.150 | 5012.000 | 272.650 | 5012.400 |
| GR | 271.550    | 5013.500 | 271.150  | 5015.000 | 271.550  | 5016.500 | 272.650 | 5017.600 | 274.150 | 5018.000 |
| GR | 280.160    | 5020.000 | 281.190  | 5025.000 | 281.030  | 5030.000 | 280.000 | 5115.000 | 285.000 | 5180.000 |
| GR | 290.000    | 5220.000 | 295.000  | 5280.000 | 300.000  | 5320.000 | 305.000 | 5390.000 | 310.000 | 5465.000 |





|    |            |          |          |          |          |          |          |          |          |      |
|----|------------|----------|----------|----------|----------|----------|----------|----------|----------|------|
| NH | 4.000      | .075     | 5000.000 | .052     | 5025.000 | .080     | 5135.000 | .160     | 5460.000 | .000 |
| X1 | 101330.000 | .000     | .000     | .000     | 30.000   | 30.000   | 30.000   | .000     | .000     | .000 |
| X2 | .000       | .000     | .000     | .000     | .000     | 1.000    | 1.000    | .000     | .000     | .000 |
| NH | 4.000      | .075     | 5000.000 | .052     | 5025.000 | .080     | 5135.000 | .160     | 5460.000 | .000 |
| X1 | 101331.000 | 19.000   | 5000.000 | 5025.000 | 1.000    | 1.000    | 1.000    | 280.990  | 280.710  | .000 |
| X3 | 10.000     | .000     | .000     | .000     | .000     | .000     | .000     | 4805.000 | 290.000  | .000 |
| GR | 310.000    | 4710.000 | 305.000  | 4740.000 | 300.000  | 4775.000 | 295.000  | 4805.000 | 290.000  | .000 |
| GR | 285.000    | 4895.000 | 280.990  | 5000.000 | 274.880  | 5009.900 | 273.780  | 5011.000 | 273.380  | .000 |
| GR | 275.780    | 5014.000 | 280.710  | 5025.000 | 280.000  | 5135.000 | 285.000  | 5200.000 | 290.000  | .000 |
| GR | 295.000    | 5290.000 | 300.000  | 5320.000 | 305.000  | 5390.000 | 310.000  | 5460.000 | .000     | .000 |

LAST X-SECTION FOR BRIDGE # 2.

|    |            |      |          |      |          |       |          |      |          |      |
|----|------------|------|----------|------|----------|-------|----------|------|----------|------|
| X1 | 101336.000 | .000 | .000     | .000 | 5.000    | 5.000 | 5.000    | .000 | .420     | .000 |
| NC | .100       | .100 | .050     | .100 | .300     | .000  | .000     | .000 | .000     | .000 |
| NH | 5.000      | .170 | 4820.000 | .075 | 5000.000 | .052  | 5013.020 | .070 | 5088.000 | .160 |
| NH | 5358.000   | .000 | .000     | .000 | .000     | .000  | .000     | .000 | .000     | .000 |

FIRST X-SECTION FOR BRIDGE # 1.

|    |            |          |          |          |          |          |          |          |          |      |
|----|------------|----------|----------|----------|----------|----------|----------|----------|----------|------|
| X1 | 101356.000 | 19.000   | 5000.000 | 5013.020 | 20.000   | 20.000   | 20.000   | .000     | .160     | .000 |
| GR | 310.000    | 4665.000 | 305.000  | 4690.000 | 300.000  | 4715.000 | 295.000  | 4770.000 | 290.000  | .000 |
| GR | 285.000    | 4820.000 | 281.600  | 5000.000 | 275.590  | 5003.400 | 275.490  | 5004.500 | 275.090  | .000 |
| GR | 275.000    | 5007.500 | 281.660  | 5013.020 | 280.000  | 5088.000 | 285.000  | 5208.000 | 290.000  | .000 |
| GR | 295.000    | 5263.000 | 300.000  | 5283.000 | 305.000  | 5323.000 | 310.000  | 5358.000 | .000     | .000 |
| NC | .000       | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000     | .000 |
| NH | 5.000      | .170     | 4820.000 | .075     | 5000.000 | .052     | 5013.020 | .070     | 5088.000 | .160 |
| NH | 5358.000   | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000 |
| X1 | 101379.000 | .000     | .000     | .000     | 18.000   | 28.000   | 23.000   | .000     | .890     | .000 |
| X3 | 10.000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000 |
| NH | 5.000      | .170     | 4820.000 | .075     | 5000.000 | .052     | 5013.020 | .070     | 5088.000 | .160 |
| NH | 5358.000   | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000 |

BRIDGE # 1, COMMERCIAL ACCESS, PARKING ACCESS.

|    |            |          |          |         |          |         |         |          |         |      |
|----|------------|----------|----------|---------|----------|---------|---------|----------|---------|------|
| X1 | 101380.000 | 27.000   | 5000.000 | 013.020 | 1.000    | 1.000   | 1.000   | .000     | .000    | .000 |
| X3 | 10.000     | .000     | .000     | .000    | .000     | .000    | .000    | .000     | .000    | .000 |
| BT | -27.000    | 4665.000 | 310.000  | 310.000 | 4690.000 | 305.000 | 305.000 | 4715.000 | 300.000 | .000 |
| BT | .000       | 4770.000 | 295.000  | 295.000 | 4780.000 | 290.000 | 290.000 | 4820.000 | 285.000 | .000 |
| BT | .000       | 5000.000 | 281.600  | 281.600 | 5000.010 | 281.600 | 279.330 | 5003.000 | 281.600 | .000 |
| BT | .000       | 5003.400 | 281.620  | 279.590 | 5004.500 | 280.990 | 280.990 | 5006.000 | 281.630 | .000 |
| BT | .000       | 5007.500 | 281.630  | 280.690 | 5008.600 | 281.640 | 278.590 | 5009.000 | 281.640 | .000 |
| BT | .000       | 5009.010 | 281.640  | 277.230 | 5012.000 | 281.660 | 278.200 | 5013.000 | 281.660 | .000 |
| BT | .000       | 5013.010 | 281.660  | 281.120 | 5013.020 | 281.660 | 281.660 | 5088.000 | 280.000 | .000 |
| BT | .000       | 5208.000 | 285.000  | 285.000 | 5243.000 | 290.000 | 290.000 | 5263.000 | 295.000 | .000 |
| BT | .000       | 5283.000 | 300.000  | 300.000 | 5323.000 | 305.000 | 305.000 | 5358.000 | 310.000 | .000 |

ELLIC = ETRD = SKEW ANGLE = 95.



THIS RUN EXECUTED 02-19-86 02:40:53

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984  
 ERROR CORR - 01,02,03,04,05,06  
 MODIFICATION - 50,51,52,53,54,55,56  
 IBM-PC-XT VERSION AUGUST 1985  
 \*\*\*\*\*

| J1 | ICHECK                              | INQ      | HINV     | IDIR     | STRT      | METRIC   | HVINS    | Q        | WSEL    | FQ     |
|----|-------------------------------------|----------|----------|----------|-----------|----------|----------|----------|---------|--------|
|    | 0.                                  | 2.       | 0.       | 0.       | .001900   | .00      | .0       | 0.       | 110.000 | .000   |
| J2 | NPROF                               | IPLOT    | PRFVS    | XSECV    | XSECH     | FN       | ALLDC    | IBW      | CHNIM   | ITRACE |
|    | 1.000                               | .000     | -1.000   | .000     | .000      | .000     | .000     | .000     | .000    | .000   |
| J3 | VARIABLE CODES FOR SUMMARY PRINTOUT |          |          |          |           |          |          |          |         |        |
|    | 150.000                             | 205.000  | 205.000  | 337.000  | 345.000   | 353.000  | 359.000  | .000     | .000    | .000   |
| J6 | IHLQ                                | ICOPY    |          |          |           |          |          |          |         |        |
|    | 1.000                               | .000     | .000     | .000     | .000      | .000     | .000     | .000     | .000    | .000   |
| QT | 7.000                               | 3135.000 | 6360.000 | 7535.000 | 10898.000 | 4690.000 | 3747.000 | 7533.000 | .000    | .000   |
| NC | .100                                | .100     | .050     | .100     | .300      | .000     | .000     | .000     | .000    | .000   |
| NH | 3.000                               | .090     | 5097.000 | .046     | 5194.000  | .120     | 5359.000 | .000     | .000    | .000   |
| ET | .000                                | .000     | .000     | .000     | .000      | .000     | .000     | 10.410   | .000    | .000   |

ADD 1000 FEET TO EACH ELEVATION TO OBTAIN TRUE ELEVATIONS.

GUNPOWDER CREEK

QT VALUES REPRESENT THE FOLLOWING EVENTS

| 10-YR | 50-YR | 100-YR | 500-YR | 25-YR | 15-YR | 100-FLOODWAY |
|-------|-------|--------|--------|-------|-------|--------------|
| 2.    | 3.    | 4.     | 5.     | 6.    | 7.    | 8.           |
|       |       |        |        | 1977. | 1979. |              |

X-SECTION GUA

|    |           |          |          |          |         |          |         |          |         |          |
|----|-----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 66010.000 | 19.000   | 5097.000 | 5194.000 | .000    | .000     | .000    | .000     | .000    | .000     |
| GR | 124.000   | 5000.000 | 120.000  | 5020.000 | 116.000 | 5025.000 | 112.000 | 5040.000 | 110.000 | 5055.000 |
| GR | 108.600   | 5097.000 | 103.500  | 5103.000 | 102.000 | 5104.000 | 101.800 | 5109.000 | 101.300 | 5119.000 |
| GR | 100.900   | 5127.000 | 101.800  | 5135.000 | 102.000 | 5144.000 | 102.900 | 5147.000 | 104.500 | 5159.000 |
| GR | 111.700   | 5194.000 | 116.000  | 5269.000 | 120.000 | 5304.000 | 124.000 | 5359.000 | .000    | .000     |

|    |       |      |          |      |          |      |          |       |          |          |
|----|-------|------|----------|------|----------|------|----------|-------|----------|----------|
| NH | 3.000 | .140 | 5188.000 | .046 | 5263.000 | .140 | 5313.000 | .000  | .000     | .000     |
| ET | .000  | .000 | .000     | .000 | .000     | .000 | .000     | 9.110 | 5172.000 | 5272.000 |

## X-SECTION GUB

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 67950.000 | 20.000   | 5188.000 | 5263.000 | 1900.000 | 1710.000 | 1940.000 | .000     | .000    | .000     |
| GR | 132.000   | 5000.000 | 128.000  | 5050.000 | 124.000  | 5070.000 | 120.000  | 5090.000 | 116.000 | 5098.000 |
| GR | 115.800   | 5188.000 | 112.450  | 5195.000 | 106.600  | 5204.000 | 106.000  | 5205.000 | 104.860 | 5208.000 |
| GR | 105.300   | 5218.000 | 104.600  | 5226.000 | 106.000  | 5233.000 | 106.010  | 5241.000 | 108.000 | 5251.000 |
| GR | 114.300   | 5261.000 | 115.500  | 5263.000 | 120.000  | 5293.000 | 128.000  | 5303.000 | 132.000 | 5313.000 |

|    |      |      |      |      |      |      |      |       |          |          |
|----|------|------|------|------|------|------|------|-------|----------|----------|
| NC | .140 | .100 | .046 | .100 | .300 | .000 | .000 | .000  | .000     | .000     |
| ET | .000 | .000 | .000 | .000 | .000 | .000 | .000 | 9.110 | 4980.000 | 5080.000 |

## FIRST X-SECTION FOR PIPE U/S SEWER PLANT

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 69322.000 | 20.000   | 5020.000 | 5074.010 | 1372.000 | 1372.000 | 1372.000 | .000     | -3.940  | .000     |
| GR | 140.000   | 4805.000 | 136.000  | 4890.000 | 132.000  | 4912.000 | 128.000  | 4919.000 | 124.000 | 4989.000 |
| GR | 121.800   | 5000.000 | 121.150  | 5020.000 | 119.650  | 5020.010 | 115.830  | 5030.000 | 112.660 | 5035.500 |
| GR | 112.320   | 5045.500 | 111.630  | 5055.500 | 112.830  | 5062.000 | 119.890  | 5074.000 | 121.390 | 5074.010 |
| GR | 124.000   | 5084.000 | 128.000  | 5114.000 | 132.000  | 5157.000 | 136.000  | 5242.000 | 140.000 | 5272.000 |

|    |           |      |      |      |          |          |          |         |          |          |
|----|-----------|------|------|------|----------|----------|----------|---------|----------|----------|
| NC | .110      | .110 | .044 | .300 | .500     | .000     | .000     | .000    | .000     | .000     |
| ET | .000      | .000 | .000 | .000 | .000     | .000     | .000     | 9.110   | 4980.000 | 5080.000 |
| X1 | 71068.000 | .000 | .000 | .000 | 1536.000 | 1726.000 | 1746.000 | .000    | 3.940    | .000     |
| X3 | 10.000    | .000 | .000 | .000 | .000     | .000     | .000     | 121.150 | 121.390  | .000     |

|    |      |      |      |      |      |      |      |       |          |          |
|----|------|------|------|------|------|------|------|-------|----------|----------|
| ET | .000 | .000 | .000 | .000 | .000 | .000 | .000 | 9.110 | 4980.000 | 5080.000 |
|----|------|------|------|------|------|------|------|-------|----------|----------|

## PIPE U/S OF SEWER PLANT

|    |           |          |          |          |          |          |         |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|---------|----------|---------|----------|
| X1 | 71069.000 | 20.000   | 5020.000 | 5074.010 | 1.000    | 1.000    | 1.000   | .000     | .000    | .000     |
| BT | -20.000   | 4805.000 | 140.000  | 140.000  | 4890.000 | 136.000  | 136.000 | 4912.000 | 132.000 | 132.000  |
| BT | .000      | 4919.000 | 128.000  | 128.000  | 4989.000 | 124.000  | 124.000 | 5000.000 | 121.800 | 121.800  |
| BT | .000      | 5020.000 | 121.150  | 121.150  | 5020.010 | 121.150  | 119.650 | 5030.000 | 121.240 | 119.740  |
| BT | .000      | 5035.500 | 121.290  | 119.780  | 5045.500 | 121.380  | 119.880 | 5055.500 | 121.380 | 119.880  |
| BT | .000      | 5062.000 | 121.390  | 119.890  | 5074.000 | 121.390  | 119.890 | 5074.010 | 121.390 | 121.390  |
| BT | .000      | 5084.000 | 124.000  | 124.000  | 5114.000 | 128.000  | 128.000 | 5157.000 | 132.000 | 132.000  |
| BT | .000      | 5242.000 | 136.000  | 136.000  | 5272.000 | 140.000  | 140.000 | .000     | .000    | .000     |
| GR | 140.000   | 4805.000 | 136.000  | 4890.000 | 132.000  | 4912.000 | 128.000 | 4919.000 | 124.000 | 4989.000 |
| GR | 121.800   | 5000.000 | 121.150  | 5020.000 | 119.650  | 5020.010 | 115.830 | 5030.000 | 112.660 | 5035.500 |
| GR | 112.320   | 5045.500 | 111.630  | 5055.500 | 112.830  | 5062.000 | 119.890 | 5074.000 | 121.390 | 5074.010 |
| GR | 124.000   | 5084.000 | 128.000  | 5114.000 | 132.000  | 5157.000 | 136.000 | 5242.000 | 140.000 | 5272.000 |

|    |           |      |      |      |       |       |       |       |          |          |
|----|-----------|------|------|------|-------|-------|-------|-------|----------|----------|
| NC | .120      | .120 | .050 | .000 | .000  | .000  | .000  | .000  | .000     | .000     |
| ET | .000      | .000 | .000 | .000 | .000  | .000  | .000  | 9.110 | 4980.000 | 5080.000 |
| X1 | 71071.000 | .000 | .000 | .000 | 2.000 | 2.000 | 2.000 | .000  | .000     | .000     |
| X2 | .000      | .000 | .000 | .000 | .000  | .000  | 1.000 | .000  | .000     | .000     |



|    |       |      |          |      |          |      |          |       |          |          |
|----|-------|------|----------|------|----------|------|----------|-------|----------|----------|
| NH | 3.000 | .180 | 5014.000 | .060 | 5087.500 | .110 | 5241.500 | .060  | .000     | .000     |
| ET | .000  | .000 | .000     | .000 | .000     | .000 | .000     | 9.110 | 5005.000 | 5115.000 |

## FIRST X-SECTION FOR PIPE D/S OF BRIDGE #1.

|    |           |          |          |          |         |          |         |          |          |          |
|----|-----------|----------|----------|----------|---------|----------|---------|----------|----------|----------|
| X1 | 72579.000 | 26.000   | 5014.000 | 5087.500 | 28.500  | 28.500   | 29.000  | .000     | .000     | .000     |
| GR | 152.000   | 4890.000 | 148.000  | 4906.000 | 144.000 | 4936.000 | 140.000 | 4956.000 | 136.000  | 4974.000 |
| GR | 132.000   | 5014.000 | 128.000  | 5034.000 | 127.400 | 5035.500 | 125.920 | 5038.500 | 125.250  | 5038.510 |
| GR | 123.310   | 5046.000 | 123.080  | 5051.000 | 122.830 | 5056.000 | 123.020 | 5061.000 | 123.360  | 5066.000 |
| GR | 123.370   | 5069.500 | 124.530  | 5071.500 | 125.710 | 5074.500 | 126.380 | 5074.510 | 127.480  | 5078.500 |
| GR | 132.000   | 5087.500 | 136.000  | 5160.500 | 140.000 | 5180.500 | 144.000 | 5210.500 | 148.000  | 5221.500 |
| GR | 152.000   | 5241.500 | .000     | .000     | .000    | .000     | .000    | .000     | .000     | .000     |
| NC | .150      | .110     | .055     | .300     | .500    | .000     | .000    | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000    | .000     | .000    | 9.110    | 5005.000 | 5115.000 |

## PIPE D/S OF BRIDGE #1.

|    |           |          |          |          |          |          |         |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|---------|----------|----------|----------|
| X1 | 72580.000 | 26.000   | 5014.000 | 5087.500 | 1.000    | 1.000    | 1.000   | .000     | .000     | .000     |
| BT | -26.000   | 4890.000 | 152.000  | 152.000  | 4906.000 | 148.000  | 148.000 | 4936.000 | 144.000  | 144.000  |
| BT | .000      | 4956.000 | 140.000  | 140.000  | 4974.000 | 136.000  | 136.000 | 5014.000 | 132.000  | 132.000  |
| BT | .000      | 5034.000 | 128.000  | 128.000  | 5035.500 | 127.400  | 127.400 | 5038.500 | 125.920  | 125.920  |
| BT | .000      | 5038.510 | 125.920  | 125.250  | 5046.000 | 126.020  | 125.350 | 5051.000 | 126.080  | 125.410  |
| BT | .000      | 5056.000 | 126.140  | 125.470  | 5061.000 | 126.210  | 125.540 | 5066.000 | 126.270  | 125.600  |
| BT | .000      | 5069.500 | 126.310  | 125.650  | 5071.500 | 126.340  | 125.670 | 5074.500 | 126.380  | 125.710  |
| BT | .000      | 5074.510 | 126.380  | 126.380  | 5078.500 | 127.480  | 127.480 | 5087.500 | 132.000  | 132.000  |
| BT | .000      | 5160.500 | 136.000  | 136.000  | 5180.500 | 140.000  | 140.000 | 5210.500 | 144.000  | 144.000  |
| BT | .000      | 5221.500 | 148.000  | 148.000  | 5241.500 | 152.000  | 152.000 | .000     | .000     | .000     |
| GR | 152.000   | 4890.000 | 148.000  | 4906.000 | 144.000  | 4936.000 | 140.000 | 4956.000 | 136.000  | 4974.000 |
| GR | 132.000   | 5014.000 | 128.000  | 5034.000 | 127.400  | 5035.500 | 125.920 | 5038.500 | 125.250  | 5038.510 |
| GR | 123.310   | 5046.000 | 123.080  | 5051.000 | 122.830  | 5056.000 | 123.020 | 5061.000 | 123.360  | 5066.000 |
| GR | 123.370   | 5069.500 | 124.530  | 5071.500 | 125.710  | 5074.500 | 126.380 | 5074.510 | 127.480  | 5078.500 |
| GR | 132.000   | 5087.500 | 136.000  | 5160.500 | 140.000  | 5180.500 | 144.000 | 5210.500 | 148.000  | 5221.500 |
| GR | 152.000   | 5241.500 | .000     | .000     | .000     | .000     | .000    | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000    | 9.110    | 5005.000 | 5115.000 |
| X1 | 72581.000 | .000     | .000     | .000     | 1.000    | 1.000    | 1.000   | .000     | .000     | .000     |
| X2 | .000      | .000     | .000     | .000     | .000     | .000     | 1.000   | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000    | 9.110    | 5005.000 | 5115.000 |
| X1 | 72582.000 | .000     | .000     | .000     | 1.000    | 1.000    | 1.000   | .000     | .000     | .000     |
| NC | .150      | .120     | .055     | .100     | .300     | .000     | .000    | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000    | 9.110    | 5000.000 | 5110.000 |

## LAST X-SECTION FOR PIPE D/S OF BRIDGE #1.

GUC-1.

02-19-86 02:40:53

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 72700.000 | 34.000   | 5014.000 | 103.500  | 113.500  | 118.000  | 118.000  | 4919.500 | 144.000 | 4946.500 |
| GR | 160.000   | 4849.500 | 156.000  | 152.000  | 4889.500 | 148.000  | 148.000  | 5014.500 | 130.070 | 5021.000 |
| GR | 140.000   | 4966.500 | 136.000  | 131.870  | 5000.000 | 130.150  | 130.150  | 5014.500 | 124.630 | 5041.500 |
| GR | 129.870   | 5027.000 | 128.160  | 125.930  | 5036.000 | 124.840  | 124.840  | 5057.500 | 127.960 | 5062.500 |
| GR | 124.530   | 5046.500 | 124.390  | 124.360  | 5054.500 | 124.990  | 124.990  | 5096.500 | 129.780 | 5106.500 |
| GR | 128.950   | 5066.500 | 128.530  | 128.950  | 5086.500 | 129.160  | 129.160  | 5198.500 | 144.000 | 5218.500 |
| GR | 130.260   | 5116.500 | 130.960  | 136.000  | 5178.500 | 140.000  | 140.000  | 5320.500 | 160.000 | 5380.500 |
| GR | 148.000   | 5248.500 | 152.000  | 156.000  | 5295.500 | 160.000  | 160.000  | 5410.000 | 180.000 | 5490.000 |
| NH | 3.000     | .130     | 4965.000 | 5093.000 | .110     | 5153.000 | 5153.000 | .000     | .000    | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 8.410    | .000    | .000     |

FIRST X-SECTION FOR BRIDGE # 1, SR 1809

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 73062.000 | 13.000   | 4965.000 | 406.500  | 351.500  | 362.000  | 362.000  | 5003.010 | 124.230 | 5010.000 |
| GR | 148.000   | 4900.000 | 144.000  | 130.110  | 5000.060 | 125.500  | 125.500  | 5048.000 | 126.510 | 5050.500 |
| GR | 124.350   | 5020.000 | 124.850  | 125.180  | 5040.000 | 125.500  | 125.500  | .000     | .000    | .000     |
| GR | 130.100   | 5052.000 | 144.000  | 148.000  | 5153.000 | .000     | .000     | .000     | .000    | .000     |
| WC | .000      | .000     | .000     | .500     | .000     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .130     | 4965.000 | 5093.000 | .110     | 5153.000 | 5153.000 | .000     | .000    | .000     |
| X1 | 73269.000 | .000     | .000     | 207.000  | 207.000  | 207.000  | 207.000  | 141.190  | 141.190 | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .130     | 4965.000 | 5093.000 | .110     | 5153.000 | 5153.000 | .000     | .000    | .000     |
| SB | 1.250     | 1.560    | 2.600    | 43.390   | .000     | 694.000  | 694.000  | .334     | 124.230 | 124.230  |

BRIDGE # 1, SR 1809.

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 73292.000 | 21.000   | 4965.000 | 23.000   | 23.000   | 23.000   | 23.000   | 141.190  | 141.190 | 130.110  |
| X2 | .000      | .000     | 1.000    | 141.190  | .000     | .000     | .000     | .000     | .000    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 141.190  | 141.190 | 138.670  |
| BT | -21.000   | 4900.000 | 148.000  | 4965.000 | 144.000  | 140.000  | 140.000  | 5000.060 | 143.890 | 5000.060 |
| BT | .000      | 5000.010 | 143.890  | 5000.050 | 143.890  | 130.110  | 130.110  | 5010.000 | 143.890 | 5010.000 |
| BT | .000      | 5003.000 | 143.890  | 5003.010 | 143.890  | 138.670  | 138.670  | 5010.000 | 143.910 | 5010.000 |
| BT | .000      | 5020.000 | 143.910  | 5030.000 | 143.910  | 138.660  | 138.660  | 5010.000 | 143.910 | 5010.000 |
| BT | .000      | 5048.000 | 143.910  | 5050.500 | 143.920  | 138.660  | 138.660  | 5050.510 | 143.920 | 5050.510 |
| BT | .000      | 5052.000 | 143.920  | 5052.010 | 143.920  | 130.100  | 130.100  | 5053.000 | 143.920 | 5053.000 |
| BT | .000      | 5053.010 | 141.190  | 5093.000 | 144.000  | 140.000  | 140.000  | 5153.000 | 148.000 | 5153.000 |
| GR | 148.000   | 4900.000 | 140.000  | 130.110  | 5000.060 | 130.110  | 130.110  | 5010.000 | 148.000 | 5010.000 |
| GR | 130.110   | 5030.000 | 130.110  | 5003.010 | 5003.010 | 124.230  | 124.230  | 5050.500 | 148.000 | 5050.500 |
| GR | 124.850   | 5030.000 | 125.180  | 5040.000 | 5048.000 | 126.510  | 126.510  | 5050.500 | 148.000 | 5050.500 |
| GR | 130.100   | 5052.000 | 130.100  | 130.100  | 5053.000 | 130.100  | 130.100  | 5053.010 | 140.000 | 5053.000 |
| GR | 148.000   | 5153.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .130     | 4965.000 | 5093.000 | .110     | 5153.000 | 5153.000 | .000     | .000    | .000     |

LAST X-SECTION FOR BRIDGE # 1, SR 1809.

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 73343.000 | 13.000   | 4965.000 | 5093.000 | 51.000   | 51.000   | 51.000   | .000     | .000    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 141.190  | 141.190 | .000     |
| GR | 148.000   | 4900.000 | 144.000  | 4965.000 | 130.110  | 5000.060 | 125.500  | 5003.010 | 124.230 | 5010.000 |
| GR | 124.350   | 5020.000 | 124.850  | 5030.000 | 125.180  | 5040.000 | 125.500  | 5048.000 | 126.510 | 5050.500 |
| GR | 130.100   | 5052.000 | 144.000  | 5093.000 | 149.000  | 5153.000 | .000     | .000     | .000    | .000     |
| NC | .100      | .100     | .050     | .100     | .300     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .120     | 5357.000 | .055     | 5401.000 | .110     | 5431.000 | .000     | .000    | .000     |

## X-SECTION GUD

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 75590.000 | 20.000   | 5357.000 | 5401.000 | 2217.500 | 2217.500 | 2247.000 | .000     | .000    | .000     |
| GR | 160.000   | 5000.000 | 158.000  | 5020.000 | 156.000  | 5050.000 | 152.000  | 5090.000 | 150.000 | 5125.000 |
| GR | 148.000   | 5155.000 | 144.000  | 5195.000 | 140.000  | 5265.000 | 137.100  | 5357.000 | 135.200 | 5361.000 |
| GR | 134.000   | 5364.000 | 133.600  | 5365.000 | 133.500  | 5370.000 | 133.700  | 5375.000 | 133.800 | 5380.000 |
| GR | 133.700   | 5385.000 | 134.000  | 5390.000 | 134.800  | 5391.000 | 140.600  | 5401.000 | 160.000 | 5431.000 |
| NH | 3.000     | .120     | 5061.700 | .055     | 5174.010 | .120     | 5454.000 | .000     | .000    | .000     |

## FIRST X-SECTION FOR BRIDGE # 2, US 321 NORTH.

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 76279.000 | 31.000   | 5001.700 | 5174.010 | 719.000  | 649.000  | 689.000  | .000     | -1.120  | .000     |
| GR | 172.000   | 4455.000 | 170.000  | 4530.000 | 172.000  | 4795.000 | 172.000  | 4935.000 | 170.420 | 5001.700 |
| GR | 169.820   | 5006.000 | 169.810  | 5006.010 | 168.790  | 5014.000 | 151.420  | 5037.500 | 147.320 | 5058.300 |
| GR | 137.650   | 5061.500 | 137.650  | 5061.510 | 137.650  | 5064.500 | 137.650  | 5064.510 | 136.750 | 5065.000 |
| GR | 136.350   | 5070.000 | 135.850  | 5080.000 | 136.750  | 5087.000 | 140.830  | 5107.000 | 146.760 | 5114.200 |
| GR | 146.760   | 5114.210 | 146.760  | 5117.200 | 146.760  | 5117.210 | 151.800  | 5123.000 | 172.030 | 5154.000 |
| GR | 173.730   | 5158.670 | 173.740  | 5158.680 | 177.890  | 5170.000 | 178.800  | 5174.000 | 178.800 | 5174.010 |
| GR | 184.000   | 5454.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     |
| NC | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .170     | 4935.000 | .050     | 5174.010 | .170     | 5454.000 | .000     | .000    | .000     |
| X1 | 76888.000 | .000     | .000     | .000     | 609.000  | 609.000  | 609.000  | .000     | 1.120   | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 170.000  | 178.800 | .000     |
| NH | 3.000     | .170     | 5000.000 | .050     | 5174.010 | .170     | 5454.000 | .000     | .000    | .000     |

## BRIDGE # 2, US 321 NORTH.

|    |           |          |          |          |          |          |         |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|---------|----------|---------|----------|
| X1 | 76889.000 | 31.000   | 5000.000 | 5174.010 | 1.000    | 1.000    | 1.000   | .000     | .000    | .000     |
| BT | -31.000   | 4455.000 | 172.000  | 172.000  | 4530.000 | 170.000  | 170.000 | 4795.000 | 172.000 | 172.000  |
| BT | .000      | 4935.000 | 172.000  | 164.720  | 5000.000 | 174.600  | 161.350 | 5000.010 | 176.880 | 161.350  |
| BT | .000      | 5001.700 | 176.920  | 161.260  | 5006.000 | 177.030  | 161.030 | 5025.890 | 177.510 | 160.000  |
| BT | .000      | 5025.900 | 177.510  | 170.320  | 5037.500 | 177.790  | 170.600 | 5058.300 | 178.300 | 171.120  |
| BT | .000      | 5061.500 | 178.420  | 171.200  | 5061.510 | 178.420  | 137.650 | 5064.500 | 178.420 | 137.650  |
| BT | .000      | 5064.510 | 178.420  | 171.200  | 5065.000 | 178.460  | 171.210 | 5070.000 | 178.590 | 171.360  |
| BT | .000      | 5080.000 | 178.830  | 171.650  | 5087.000 | 179.000  | 171.860 | 5107.000 | 179.490 | 172.440  |
| BT | .000      | 5114.200 | 179.700  | 172.650  | 5114.210 | 179.700  | 146.760 | 5117.200 | 179.700 | 146.760  |
| BT | .000      | 5117.210 | 179.700  | 172.650  | 5123.000 | 179.880  | 172.800 | 5135.560 | 180.150 | 173.100  |
| BT | .000      | 5135.570 | 180.150  | 160.000  | 5174.000 | 181.120  | 162.900 | 5174.010 | 178.800 | 162.900  |
| BT | .000      | 5454.000 | 184.000  | 184.000  | .000     | .000     | .000    | .000     | .000    | .000     |
| GR | 172.000   | 4455.000 | 170.000  | 4530.000 | 172.000  | 4795.000 | 164.720 | 4935.000 | 161.350 | 5000.000 |
| GR | 161.350   | 5000.010 | 161.260  | 5001.700 | 161.030  | 5006.000 | 160.000 | 5025.890 | 160.000 | 5025.900 |



|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| GR | 151.420   | 5037.500 | 147.320  | 5058.300 | 137.650  | 5051.500 | 137.650  | 5061.510 | 137.650 | 5064.500 |
| GR | 137.650   | 5064.510 | 136.750  | 5065.000 | 136.350  | 5070.000 | 135.850  | 5080.000 | 136.750 | 5087.000 |
| GR | 140.830   | 5107.000 | 146.760  | 5114.200 | 146.760  | 5114.210 | 146.760  | 5117.200 | 146.760 | 5117.210 |
| GR | 151.800   | 5123.000 | 160.000  | 5135.560 | 160.000  | 5135.570 | 162.900  | 5174.000 | 162.900 | 5174.010 |
| GR | 184.000   | 5454.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .170     | 5000.000 | .050     | 5174.010 | .170     | 5454.000 | .000     | .000    | .000     |
| X1 | 76931.000 | .000     | .000     | .000     | 42.000   | 42.000   | 42.000   | .000     | .000    | .000     |
| X2 | .000      | .000     | .000     | .000     | .000     | .000     | 1.000    | .000     | .000    | .000     |
| NH | 3.000     | .170     | 5001.700 | .050     | 5174.010 | .170     | 5454.000 | .000     | .000    | .000     |
| X1 | 76932.000 | 31.000   | 5001.700 | 5174.010 | 1.000    | 1.000    | 1.000    | .000     | .000    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 170.000  | 178.800 | .000     |
| GR | 172.000   | 4455.000 | 170.000  | 4530.000 | 172.000  | 4795.000 | 172.000  | 4935.000 | 170.420 | 5001.700 |
| GR | 169.820   | 5006.000 | 169.810  | 5006.010 | 168.790  | 5014.000 | 151.420  | 5037.500 | 147.320 | 5058.300 |
| GR | 137.650   | 5061.500 | 137.650  | 5061.510 | 137.650  | 5064.500 | 137.650  | 5064.510 | 136.750 | 5065.000 |
| GR | 136.350   | 5070.000 | 135.850  | 5080.000 | 136.750  | 5087.000 | 140.830  | 5107.000 | 146.760 | 5114.200 |
| GR | 146.760   | 5114.210 | 146.760  | 5117.200 | 146.760  | 5117.210 | 151.800  | 5123.000 | 172.030 | 5154.000 |
| GR | 173.730   | 5158.670 | 173.740  | 5158.680 | 177.890  | 5170.000 | 178.800  | 5174.000 | 178.800 | 5174.010 |
| GR | 184.000   | 5454.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .170     | 4975.000 | .050     | 5157.510 | .170     | 5454.700 | .000     | .000    | .000     |

LAST X-SECTION FOR BRIDGE # 2, US 321 NORTH.

FIRST X-SECTION FOR BRIDGE # 3, US 321 SOUTH.

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 76943.000 | 26.000   | 4975.000 | 5157.510 | 10.000   | 10.000   | 10.000   | .000     | .000    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 170.000  | 178.700 | .000     |
| GR | 172.000   | 4435.000 | 170.000  | 4520.000 | 172.000  | 4815.000 | 172.000  | 4975.000 | 170.320 | 5003.510 |
| GR | 169.760   | 5008.000 | 142.900  | 5050.000 | 142.290  | 5052.000 | 142.290  | 5052.010 | 142.290 | 5055.000 |
| GR | 142.290   | 5055.100 | 141.820  | 5067.000 | 136.650  | 5070.500 | 135.750  | 5075.000 | 135.550 | 5085.000 |
| GR | 135.150   | 5090.000 | 136.650  | 5095.000 | 143.980  | 5104.500 | 143.980  | 5104.510 | 143.980 | 5107.500 |
| GR | 143.980   | 5107.510 | 174.330  | 5154.000 | 174.340  | 5154.010 | 174.340  | 5157.500 | 178.900 | 5157.510 |
| GR | 184.000   | 5454.700 | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .170     | 5000.000 | .050     | 5170.020 | .170     | 5454.700 | .000     | .000    | .000     |

BRIDGE # 3, US 321 SOUTH.

|    |           |          |          |          |          |          |         |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|---------|----------|---------|----------|
| X1 | 76944.000 | 31.000   | 5000.000 | 5170.020 | 1.000    | 1.000    | 1.000   | .000     | .000    | .000     |
| BT | 31.000    | 4435.000 | 172.000  | 172.000  | 4520.000 | 170.000  | 170.000 | 4815.000 | 172.000 | 172.000  |
| BT | .000      | 4975.000 | 172.000  | 162.780  | 5000.000 | 174.580  | 161.340 | 5000.010 | 177.170 | 161.340  |
| BT | .000      | 5023.250 | 177.750  | 160.000  | 5023.260 | 177.750  | 171.380 | 5050.000 | 178.430 | 171.940  |
| BT | .000      | 5052.000 | 178.480  | 171.980  | 5052.010 | 178.480  | 142.290 | 5055.000 | 178.550 | 142.290  |
| BT | .000      | 5055.010 | 178.550  | 172.050  | 5067.000 | 178.860  | 172.330 | 5070.500 | 178.940 | 172.410  |
| BT | .000      | 5075.000 | 179.060  | 172.510  | 5085.000 | 179.310  | 172.740 | 5090.000 | 179.430 | 172.850  |
| BT | .000      | 5095.000 | 179.560  | 172.980  | 5104.500 | 179.800  | 173.200 | 5104.510 | 179.800 | 143.980  |
| BT | .000      | 5107.500 | 179.800  | 143.980  | 5107.510 | 179.800  | 173.260 | 5132.050 | 180.610 | 174.000  |
| BT | .000      | 5132.060 | 180.610  | 160.000  | 5159.700 | 181.170  | 162.060 | 5159.710 | 179.310 | 162.060  |
| BT | .000      | 5170.000 | 179.310  | 162.820  | 5170.010 | 178.700  | 162.820 | 5170.020 | 179.350 | 162.820  |
| BT | .000      | 5454.700 | 184.000  | 184.000  | .000     | .000     | .000    | .000     | .000    | .000     |
| GR | 172.000   | 4435.000 | 170.000  | 4520.000 | 172.000  | 4815.000 | 162.780 | 4975.000 | 161.340 | 5000.000 |

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| GR | 161.340   | 5000.010 | 160.000  | 5023.250 | 160.000  | 5023.260 | 142.900  | 5050.000 | 142.290 | 5052.000 |
| GR | 142.290   | 5052.010 | 142.290  | 5055.000 | 142.290  | 5055.010 | 141.820  | 5067.000 | 136.650 | 5070.500 |
| GR | 135.750   | 5075.000 | 135.550  | 5085.000 | 135.150  | 5090.000 | 136.650  | 5095.000 | 143.980 | 5104.500 |
| GR | 143.980   | 5104.510 | 143.980  | 5107.500 | 143.980  | 5107.510 | 160.000  | 5132.050 | 160.000 | 5132.060 |
| GR | 162.060   | 5159.700 | 162.060  | 5159.710 | 162.820  | 5170.000 | 162.820  | 5170.010 | 162.820 | 5170.020 |
| GR | 184.000   | 5454.700 | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .170     | 5000.000 | .050     | 5170.020 | .170     | 5454.700 | .000     | .000    | .000     |
| X1 | 76977.000 | .000     | .000     | .000     | 33.000   | 33.000   | 33.000   | .000     | .000    | .000     |
| X2 | .000      | .000     | .000     | .000     | .000     | .000     | 1.000    | .000     | .000    | .000     |
| NH | 3.000     | .170     | 4975.000 | .050     | 5157.510 | .170     | 5454.700 | .000     | .000    | .000     |
| X1 | 76978.000 | 26.000   | 4975.000 | 5157.510 | 1.000    | 1.000    | 1.000    | .000     | .000    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 170.000  | 178.700 | .000     |
| GR | 172.000   | 4435.000 | 170.000  | 4520.000 | 172.000  | 4815.000 | 172.000  | 4975.000 | 170.320 | 5003.510 |
| GR | 169.760   | 5008.000 | 142.900  | 5050.000 | 142.290  | 5052.000 | 142.290  | 5052.010 | 142.290 | 5055.000 |
| GR | 142.290   | 5055.100 | 141.820  | 5067.000 | 136.650  | 5070.500 | 135.750  | 5075.000 | 135.550 | 5085.000 |
| GR | 135.150   | 5090.000 | 136.650  | 5095.000 | 143.980  | 5104.500 | 143.980  | 5104.510 | 143.980 | 5107.500 |
| GR | 143.980   | 5107.510 | 174.330  | 5154.000 | 174.340  | 5154.010 | 174.340  | 5157.500 | 178.900 | 5157.510 |
| GR | 184.000   | 5454.700 | .000     | .000     | .000     | .000     | .000     | .000     | .000    | .000     |
| NH | 3.000     | .170     | 4975.000 | .050     | 5157.510 | .170     | 5454.700 | .000     | .000    | .000     |

## LAST X-SECTION FOR BRIDGE # 3, US 321 SOUTH.

|    |           |      |          |      |          |         |          |       |          |          |
|----|-----------|------|----------|------|----------|---------|----------|-------|----------|----------|
| X1 | 77128.000 | .000 | .000     | .000 | 98.000   | 158.000 | 150.000  | .000  | .670     | .000     |
| NC | .000      | .000 | .000     | .300 | .500     | .000    | .000     | .000  | .000     | .000     |
| NH | 3.000     | .170 | 5000.000 | .050 | 5056.570 | .170    | 5115.000 | .000  | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000    | .000     | 9.110 | 4946.000 | 5071.000 |

## FIRST X-SECTION FOR PIPE U/S OF BRIDGE # 3.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 77160.000 | 28.000   | 5000.000 | 5056.570 | 32.000   | 32.000   | .000     | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 142.000  | 142.000  | .000     |
| GR | 160.000   | 4910.000 | 152.000  | 4940.000 | 148.000  | 4960.000 | 144.000  | 4990.000 | 143.560  | 5000.000 |
| GR | 142.300   | 5002.830 | 141.630  | 5002.840 | 138.860  | 5003.740 | 138.860  | 5003.750 | 138.860  | 5004.740 |
| GR | 138.860   | 5004.750 | 136.860  | 5008.840 | 136.160  | 5016.500 | 136.160  | 5016.510 | 136.160  | 5017.500 |
| GR | 136.160   | 5017.510 | 135.960  | 5023.330 | 136.260  | 5029.550 | 136.260  | 5029.560 | 136.260  | 5030.550 |
| GR | 136.260   | 5030.560 | 136.860  | 5037.120 | 141.690  | 5053.030 | 142.360  | 5053.040 | 145.160  | 5056.570 |
| GR | 148.000   | 5065.000 | 156.000  | 5100.000 | 160.000  | 5115.000 | .000     | .000     | .000     | .000     |
| NH | 3.000     | .170     | 5000.000 | .050     | 5056.570 | .170     | 5115.000 | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4946.000 | 5071.000 |

## PIPE U/S OF BRIDGE # 3.

|    |           |          |         |         |          |         |         |          |         |         |
|----|-----------|----------|---------|---------|----------|---------|---------|----------|---------|---------|
| X1 | 77161.000 | .000     | .000    | .000    | 1.000    | 1.000   | .000    | .000     | .000    | .000    |
| X3 | 10.000    | .000     | .000    | .000    | .000     | .000    | .000    | 142.300  | 142.360 | .000    |
| BT | -28.000   | 4910.000 | 160.000 | 160.000 | 4940.000 | 152.000 | 152.000 | 4960.000 | 148.000 | 148.000 |
| BT | .000      | 4990.000 | 144.000 | 144.000 | 5000.000 | 143.560 | 143.560 | 5002.830 | 142.300 | 142.300 |
| BT | .000      | 5002.840 | 142.300 | 141.630 | 5003.740 | 142.320 | 141.650 | 5003.750 | 142.320 | 138.860 |
| BT | .000      | 5004.740 | 142.320 | 138.860 | 5004.750 | 142.320 | 141.650 | 5008.840 | 142.380 | 141.710 |
| BT | .000      | 5016.500 | 142.480 | 141.910 | 5016.510 | 142.480 | 136.160 | 5017.500 | 142.480 | 136.160 |
| BT | .000      | 5017.510 | 142.480 | 141.810 | 5023.330 | 142.560 | 141.890 | 5029.550 | 142.510 | 141.840 |

|    |      |          |         |         |          |         |         |          |         |         |
|----|------|----------|---------|---------|----------|---------|---------|----------|---------|---------|
| BT | .000 | 5029.560 | 142.510 | 136.260 | 5030.550 | 142.510 | 136.260 | 5030.560 | 142.510 | 141.840 |
| BT | .000 | 5037.120 | 142.470 | 141.800 | 5053.030 | 142.360 | 141.690 | 5053.040 | 142.360 | 142.360 |
| BT | .000 | 5056.570 | 145.160 | 145.160 | 5065.000 | 148.000 | 148.000 | 5100.000 | 156.000 | 156.000 |
| BT | .000 | 5115.000 | 160.000 | 160.000 | .000     | .000    | .000    | .000     | .000    | .000    |

|    |           |      |          |      |          |       |          |         |          |          |
|----|-----------|------|----------|------|----------|-------|----------|---------|----------|----------|
| NH | 3.000     | .170 | 5060.000 | .050 | 5056.570 | .170  | 5115.000 | .000    | 4946.000 | 5071.000 |
| ET | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110   | .000     | .000     |
| X1 | 77161.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000    | .000     | .000     |
| X2 | .000      | .000 | .000     | .000 | .000     | .000  | .000     | .000    | .000     | .000     |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000  | .000     | 142.300 | 142.360  | .000     |

|    |           |      |          |      |          |       |          |         |          |          |
|----|-----------|------|----------|------|----------|-------|----------|---------|----------|----------|
| NH | 3.000     | .170 | 5000.000 | .050 | 5056.570 | .170  | 5115.000 | .000    | 4946.000 | 5071.000 |
| ET | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110   | .000     | .000     |
| X1 | 77162.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000    | .000     | .000     |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000  | .000     | 142.300 | 142.360  | .000     |

LAST X-SECTION FOR: PIPE U/S OF BRIDGE # 3.

|    |           |      |          |      |          |        |          |       |          |          |
|----|-----------|------|----------|------|----------|--------|----------|-------|----------|----------|
| X1 | 77211.000 | .000 | .000     | .000 | 49.000   | 49.000 | 49.000   | .000  | .140     | .000     |
| MC | .100      | .100 | .050     | .100 | .300     | .000   | .000     | .000  | .000     | .000     |
| NH | 3.000     | .170 | 5000.000 | .050 | 5053.000 | .170   | 5238.000 | .000  | 4995.000 | 5125.000 |
| ET | .000      | .000 | .000     | .000 | .000     | .000   | .000     | 9.110 | .000     | .000     |

FIRST X-SECTION FOR: PIER D/S OF CALDWELL COMMUNITY COLLEGE.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 77960.000 | 19.000   | 5000.000 | 5053.000 | 675.000  | 655.000  | 749.000  | .000     | .580     | .000     |
| GR | 168.000   | 4890.000 | 164.000  | 4920.000 | 160.000  | 4960.000 | 156.000  | 4980.000 | 152.000  | 4990.000 |
| GR | 145.000   | 5000.000 | 139.980  | 5010.000 | 138.680  | 5017.500 | 139.730  | 5025.000 | 139.730  | 5025.010 |
| GR | 139.730   | 5027.990 | 139.730  | 5028.000 | 138.680  | 5035.500 | 139.980  | 5043.000 | 144.000  | 5053.000 |
| GR | 148.000   | 5113.000 | 152.000  | 5148.000 | 156.000  | 5198.000 | 160.000  | 5238.000 | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4995.000 | 5125.000 |
| X1 | 78171.000 | .000     | .000     | .000     | 211.000  | 211.000  | 211.000  | .000     | .580     | .000     |
| NH | 3.000     | .170     | 5000.000 | .050     | 5053.000 | .170     | 5238.000 | .000     | 4995.000 | 5125.000 |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | .000     | .000     |

PIER D/S OF CALDWELL COMMUNITY COLLEGE.

|    |           |          |         |          |         |          |         |          |         |          |
|----|-----------|----------|---------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 78172.000 | .000     | .000    | .000     | 1.000   | 1.000    | 1.000   | .000     | .000    | .000     |
| BT | .19.000   | 4890.000 | 168.000 | 4920.000 | 164.000 | 4960.000 | 164.000 | 4980.000 | 160.000 | 4990.000 |
| BT | .000      | 4980.000 | 156.000 | 4990.000 | 152.000 | 5000.000 | 152.000 | 5000.000 | 148.000 | 148.000  |
| BT | .000      | 5010.000 | 139.980 | 5017.500 | 138.680 | 5025.000 | 139.730 | 5028.000 | 139.730 | 5028.010 |
| BT | .000      | 5025.010 | 144.230 | 5027.990 | 144.230 | 5035.500 | 144.000 | 5043.000 | 144.000 | 5043.000 |
| BT | .000      | 5035.500 | 138.680 | 5043.000 | 139.980 | 5053.000 | 139.980 | 5065.000 | 156.000 | 156.000  |
| BT | .000      | 5113.000 | 148.000 | 5148.000 | 156.000 | 5198.000 | 160.000 | 5238.000 | .000    | .000     |
| BT | .000      | 5238.000 | 160.000 | 5273.000 | 160.000 | 5313.000 | 160.000 | 5348.000 | .000    | .000     |

|    |           |      |          |      |          |       |          |       |          |      |          |
|----|-----------|------|----------|------|----------|-------|----------|-------|----------|------|----------|
| NH | 3.000     | .170 | 5000.000 | .050 | 5053.000 | .170  | 5238.000 | .000  | 4995.000 | .000 | 5125.000 |
| ET | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110 | .000     | .000 | 5125.000 |
| X1 | 78179.000 | .000 | .000     | .000 | 7.000    | 7.000 | 7.000    | .000  | .000     | .000 | .000     |
| X2 | .000      | .000 | .000     | .000 | .000     | .000  | 1.000    | .000  | .000     | .000 | .000     |
| NH | 3.000     | .170 | 5000.000 | .050 | 5053.000 | .170  | 5238.000 | .000  | 4995.000 | .000 | 5125.000 |
| E1 | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110 | .000     | .000 | 5125.000 |
| X1 | 78180.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000  | .000     | .000 | .000     |
| NH | 3.000     | .170 | 5000.000 | .050 | 5053.000 | .170  | 5238.000 | .000  | 4995.000 | .000 | 5125.000 |
| ET | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110 | .000     | .000 | 5125.000 |

LAST X-SECTION FOR PIER D/S OF CALDWELL COMMUNITY COLLEGE.

|    |           |      |          |      |          |        |          |       |          |      |          |
|----|-----------|------|----------|------|----------|--------|----------|-------|----------|------|----------|
| X1 | 78232.000 | .000 | .000     | .000 | 52.000   | 52.000 | 52.000   | .000  | .090     | .000 | .000     |
| NC | .100      | .100 | .050     | .100 | .300     | .000   | .000     | .000  | .000     | .000 | .000     |
| NH | 3.000     | .150 | 5000.000 | .050 | 5052.000 | .150   | 5107.000 | .000  | 4925.000 | .000 | 5070.000 |
| ET | .000      | .000 | .000     | .000 | .000     | .000   | .000     | 9.110 | .000     | .000 | 5070.000 |

FIRST X-SECTION FOR PIPE AT CURVE AT END OF FIELD,  
D/S OF CALDWELL COMMUNITY COLLEGE.

|    |           |          |          |          |          |          |          |          |          |      |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|------|----------|
| X1 | 78621.000 | 27.000   | 5000.000 | 5052.000 | 384.500  | 399.500  | 389.000  | .000     | 156.000  | .180 | 4935.000 |
| GR | 172.000   | 4820.000 | 168.000  | 4850.000 | 164.000  | 4875.000 | 160.000  | 4905.510 | 141.890  | .000 | 5015.500 |
| GR | 152.000   | 4975.000 | 148.610  | 5000.000 | 145.440  | 5003.500 | 143.440  | 5020.070 | 140.340  | .000 | 5023.500 |
| GR | 141.140   | 5019.000 | 141.140  | 5019.010 | 141.140  | 5020.000 | 141.140  | 5038.500 | 141.440  | .000 | 5038.510 |
| GR | 140.390   | 5027.500 | 141.440  | 5037.500 | 141.440  | 5037.510 | 141.440  | 5062.000 | 160.000  | .000 | 5077.000 |
| GR | 143.440   | 5048.000 | 145.440  | 5048.010 | 150.890  | 5052.000 | 156.000  | .000     | .000     | .000 | .000     |
| GR | 164.000   | 5097.000 | 172.000  | 5107.000 | .000     | .000     | .000     | .000     | .000     | .000 | .000     |
| NC | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000     | .000 | .000     |
| NH | 3.000     | .150     | 5000.000 | .050     | 5052.000 | .150     | 5107.000 | .000     | 4925.000 | .000 | 5070.000 |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | .000     | .000 | 5070.000 |
| X1 | 78798.000 | .000     | .000     | .000     | 177.000  | 177.000  | 177.000  | .000     | .180     | .000 | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 145.000  | 145.000  | .000 | .000     |
| NH | 3.000     | .150     | 5000.000 | .050     | 5052.000 | .150     | 5107.000 | .000     | 4925.000 | .000 | 5070.000 |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | .000     | .000 | 5070.000 |

PIPE AT CURVE AT END OF FIELD, D/S OF  
CALDWELL COMMUNITY COLLEGE.

|    |           |          |         |          |         |          |         |          |         |      |         |
|----|-----------|----------|---------|----------|---------|----------|---------|----------|---------|------|---------|
| X1 | 78799.000 | .000     | .000    | .000     | 1.000   | 1.000    | 1.000   | .000     | 145.440 | .000 | 156.000 |
| X3 | 10.000    | .000     | .000    | .000     | .000    | .000     | .000    | 145.440  | 145.440 | .000 | .000    |
| BT | -27.000   | 4820.000 | 172.000 | 4850.000 | 168.000 | 4875.000 | 168.000 | 4875.000 | 164.000 | .000 | 164.000 |
| BT | .000      | 4905.000 | 160.000 | 4935.000 | 156.000 | 4975.000 | 156.000 | 4975.000 | 152.000 | .000 | 152.000 |
| BT | .000      | 5060.000 | 148.610 | 5003.500 | 145.440 | 5019.010 | 145.440 | 5019.010 | 145.440 | .000 | 143.440 |
| BT | .000      | 5015.500 | 145.440 | 5019.010 | 145.440 | 5019.010 | 143.440 | 5019.010 | 145.440 | .000 | 143.440 |
| BT | .000      | 5020.000 | 145.440 | 5020.010 | 145.440 | 5020.010 | 143.440 | 5020.010 | 145.440 | .000 | 143.440 |
| BT | .000      | 5027.500 | 145.440 | 5037.500 | 145.440 | 5037.500 | 143.440 | 5037.510 | 145.440 | .000 | 143.440 |
| BT | .000      | 5038.500 | 145.440 | 5038.510 | 145.440 | 5038.510 | 143.440 | 5038.510 | 145.440 | .000 | 143.440 |
| BT | .000      | 5048.010 | 145.440 | 5052.000 | 150.890 | 5052.000 | 150.890 | 5062.000 | 156.000 | .000 | 156.000 |

|    |           |          |          |         |          |         |          |          |          |          |
|----|-----------|----------|----------|---------|----------|---------|----------|----------|----------|----------|
| BT | .000      | 5077.000 | 160.000  | 160.000 | 5097.000 | 164.000 | 164.000  | 5107.000 | 172.000  | 172.000  |
| NH | 3.000     | .150     | 5000.000 | .050    | 5052.000 | .150    | 5107.000 | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000    | .000     | .000    | .000     | 9.110    | 4925.000 | 5070.000 |
| X1 | 78801.000 | .000     | .000     | .000    | 2.000    | 2.000   | 2.000    | .000     | .000     | .000     |
| X2 | .000      | .000     | .000     | .000    | .000     | .000    | 1.000    | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000    | .000     | .000    | .000     | 145.440  | 145.440  | .000     |
| NH | 3.000     | .150     | 5000.000 | .050    | 5052.000 | .150    | 5107.000 | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000    | .000     | .000    | .000     | 9.110    | 4925.000 | 5070.000 |
| X1 | 78802.000 | .000     | .000     | .000    | 1.000    | 1.000   | 1.000    | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000    | .000     | .000    | .000     | 145.440  | 145.440  | .000     |
| NH | 3.000     | .150     | 5000.000 | .050    | 5052.000 | .150    | 5107.000 | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000    | .000     | .000    | .000     | 9.110    | 4925.000 | 5070.000 |

LAST X-SECTION FOR PIPE AT CURVE AT END OF FIELD, D/S OF CALDWELL COMMUNITY COLLEGE.

|    |           |      |          |      |          |        |          |       |          |          |
|----|-----------|------|----------|------|----------|--------|----------|-------|----------|----------|
| X1 | 78845.000 | .000 | .000     | .000 | 43.000   | 43.000 | 43.000   | .000  | .270     | .000     |
| NC | .100      | .100 | .050     | .100 | .300     | .000   | .000     | .000  | .000     | .000     |
| NH | 3.000     | .150 | 5000.000 | .051 | 5044.500 | .170   | 5310.000 | .000  | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000   | .000     | 9.110 | 4890.000 | 5220.000 |

FIRST X-SECTION FOR PIPE AT EDGE OF FIELD BELOW CALDWELL COMMUNITY COLLEGE.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 79120.000 | 26.000   | 5000.000 | 5044.500 | 164.500  | 304.500  | 275.000  | .000     | -.820    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 151.930  | 151.180  | .000     |
| GR | 164.000   | 4800.000 | 160.000  | 4820.000 | 156.000  | 4830.000 | 152.000  | 4965.000 | 151.930  | 5000.000 |
| GR | 146.530   | 5005.500 | 145.860  | 5005.510 | 143.280  | 5013.500 | 143.280  | 5013.510 | 143.280  | 5014.500 |
| GR | 143.280   | 5014.510 | 143.030  | 5021.000 | 143.080  | 5027.000 | 143.180  | 5031.500 | 143.180  | 5031.510 |
| GR | 143.180   | 5032.500 | 143.180  | 5032.510 | 143.630  | 5038.000 | 146.060  | 5040.500 | 146.730  | 5040.510 |
| GR | 151.180   | 5044.500 | 148.000  | 5130.000 | 152.000  | 5215.000 | 156.000  | 5250.000 | 160.000  | 5270.000 |
| GR | 164.000   | 5310.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| NC | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000     | .000     |
| NH | 3.000     | .150     | 5000.000 | .051     | 5044.500 | .170     | 5310.000 | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4890.000 | 5220.000 |
| X1 | 79259.000 | .000     | .000     | .000     | 139.000  | 139.000  | 139.000  | .000     | .820     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 146.000  | 146.000  | .000     |
| NH | 3.000     | .150     | 5000.000 | .051     | 5044.500 | .170     | 5310.000 | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4890.000 | 5220.000 |

PIPE AT EDGE OF FIELD BELOW CALDWELL COMMUNITY COLLEGE.

|    |           |          |         |         |          |         |         |          |         |         |
|----|-----------|----------|---------|---------|----------|---------|---------|----------|---------|---------|
| X1 | 79260.000 | .000     | .000    | .000    | 1.000    | 1.000   | 1.000   | .000     | .000    | .000    |
| X3 | 10.000    | .000     | .000    | .000    | .000     | .000    | .000    | 146.530  | 146.730 | .000    |
| BT | -26.000   | 4800.000 | 164.000 | 164.000 | 4820.000 | 160.000 | 160.000 | 4830.000 | 156.000 | 156.000 |
| BT | .000      | 4965.000 | 152.000 | 152.000 | 5000.000 | 151.930 | 151.930 | 5005.500 | 146.530 | 146.530 |
| BT | .000      | 5005.510 | 146.530 | 145.860 | 5013.500 | 146.630 | 145.960 | 5013.510 | 146.630 | 143.280 |
| BT | .000      | 5014.500 | 146.630 | 143.280 | 5014.510 | 146.630 | 145.960 | 5021.000 | 146.710 | 146.040 |

|    |      |          |         |         |          |         |         |          |         |         |
|----|------|----------|---------|---------|----------|---------|---------|----------|---------|---------|
| BT | .000 | 5027.000 | 146.780 | 146.110 | 5031.500 | 146.760 | 146.090 | 5031.510 | 146.760 | 143.180 |
| BT | .000 | 5032.500 | 146.760 | 143.180 | 5032.510 | 146.760 | 146.090 | 5038.000 | 146.740 | 146.070 |
| BT | .000 | 5040.500 | 146.730 | 146.060 | 5040.510 | 146.730 | 146.730 | 5044.500 | 151.180 | 151.180 |
| BT | .000 | 5130.000 | 148.000 | 148.000 | 5215.000 | 152.000 | 152.000 | 5250.000 | 156.000 | 156.000 |
| BT | .000 | 5270.000 | 160.000 | 160.000 | 5310.000 | 164.000 | 164.000 | .000     | .000    | .000    |

|    |           |      |          |      |          |       |          |         |          |          |
|----|-----------|------|----------|------|----------|-------|----------|---------|----------|----------|
| NH | 3.000     | .150 | 5000.000 | .051 | 5044.500 | .170  | 5310.000 | .000    | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110   | 4890.000 | 5220.000 |
| X1 | 79261.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000    | .000     | .000     |
| X2 | .000      | .000 | .000     | .000 | .000     | .000  | 1.000    | .000    | .000     | .000     |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000  | .000     | 146.530 | 146.730  | .000     |

|    |           |      |          |      |          |       |          |         |          |          |
|----|-----------|------|----------|------|----------|-------|----------|---------|----------|----------|
| NH | 3.000     | .150 | 5000.000 | .051 | 5044.500 | .170  | 5310.000 | .000    | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110   | 4890.000 | 5220.000 |
| X1 | 79262.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000    | .000     | .000     |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000  | .000     | 146.530 | 146.730  | .000     |

|    |       |      |          |      |          |      |          |       |          |          |
|----|-------|------|----------|------|----------|------|----------|-------|----------|----------|
| NH | 3.000 | .150 | 5000.000 | .051 | 5044.500 | .170 | 5310.000 | .000  | .000     | .000     |
| ET | .000  | .000 | .000     | .000 | .000     | .000 | .000     | 9.110 | 4890.000 | 5220.000 |

LAST X-SECTION FOR PIPE AT EDGE OF FIELD BELOW  
CALDWELL COMMUNITY COLLEGE.

|    |           |      |          |      |          |        |          |       |          |          |
|----|-----------|------|----------|------|----------|--------|----------|-------|----------|----------|
| X1 | 79296.000 | .000 | .000     | .000 | 34.000   | 34.000 | 34.000   | .000  | .190     | .000     |
| NC | .100      | .100 | .050     | .100 | .300     | .000   | .000     | .000  | .000     | .000     |
| NH | 3.000     | .160 | 5255.000 | .051 | 5315.000 | .170   | 5375.000 | .000  | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000   | .000     | 9.110 | 5150.000 | 5320.000 |

X-SECTION GUE

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 79720.000 | 18.000   | 5255.000 | 5315.000 | 414.500  | 439.500  | 424.000  | .000     | .000     | .000     |
| GR | 164.000   | 5000.000 | 160.000  | 5010.000 | 159.000  | 5015.000 | 156.000  | 5145.000 | 153.100  | 5230.000 |
| GR | 152.500   | 5255.000 | 148.500  | 5267.000 | 147.000  | 5269.000 | 145.800  | 5270.000 | 145.500  | 5275.000 |
| GR | 146.000   | 5280.000 | 146.500  | 5285.000 | 147.000  | 5288.000 | 148.100  | 5295.000 | 151.600  | 5306.000 |
| GR | 156.300   | 5315.000 | 160.000  | 5345.000 | 164.000  | 5375.000 | .000     | .000     | .000     | .000     |
| NH | 5.000     | .090     | 4960.000 | .100     | 5000.000 | .049     | 5065.500 | .100     | 5090.000 | .170     |
| NH | 5280.000  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4930.000 | 5090.000 |

FIRST X SECTION FOR PIPE ADJACENT TO  
CALDWELL COMMUNITY COLLEGE ACCESS RD.

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 81089.000 | 28.000   | 5000.000 | 5065.500 | 1289.000 | 1279.000 | 1369.000 | .000     | .170    | .000     |
| GR | 170.000   | 4860.000 | 156.000  | 4960.000 | 155.610  | 5000.000 | 152.060  | 5005.000 | 150.560 | 5007.500 |
| GR | 149.890   | 5012.400 | 149.890  | 5012.410 | 149.890  | 5013.700 | 149.890  | 5013.710 | 148.360 | 5015.000 |
| GR | 146.720   | 5025.500 | 147.590  | 5034.900 | 147.590  | 5034.910 | 147.590  | 5036.200 | 147.590 | 5036.210 |
| GR | 148.360   | 5046.500 | 149.580  | 5051.900 | 149.580  | 5051.910 | 149.580  | 5053.200 | 149.580 | 5053.210 |
| GR | 150.620   | 5062.500 | 152.120  | 5063.000 | 155.440  | 5065.500 | 156.000  | 5070.000 | 160.000 | 5090.000 |
| GR | 164.000   | 5140.000 | 168.000  | 5240.000 | 172.000  | 5280.000 | .000     | .000     | .000    | .000     |



|    |       |      |          |      |          |      |          |      |      |      |
|----|-------|------|----------|------|----------|------|----------|------|------|------|
| NH | 3.000 | .150 | 5001.000 | .051 | 5110.500 | .170 | 5245.500 | .000 | .000 | .000 |
|----|-------|------|----------|------|----------|------|----------|------|------|------|

## LAST X-SECTION FOR BRIDGE # 4, SR 1160.

|    |           |          |          |          |         |          |         |          |         |          |
|----|-----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 82192.000 | 21.000   | 5001.000 | 5110.500 | 108.000 | 108.000  | 108.000 | .000     | .290    | .000     |
| GR | 176.000   | 4840.000 | 172.000  | 4915.000 | 166.720 | 5001.000 | 163.160 | 5028.000 | 158.570 | 5635.000 |
| GR | 158.570   | 5035.010 | 158.570  | 5036.000 | 158.570 | 5036.010 | 152.960 | 5045.000 | 152.170 | 5050.000 |
| GR | 151.910   | 5060.000 | 152.600  | 5070.000 | 152.960 | 5075.500 | 152.960 | 5075.510 | 152.960 | 5076.500 |
| GR | 152.960   | 5076.510 | 156.380  | 5085.000 | 163.570 | 5109.500 | 168.730 | 5110.500 | 172.000 | 5190.500 |
| GR | 174.000   | 5245.500 | .000     | .000     | .000    | .000     | .000    | .000     | .000    | .000     |

|    |       |      |          |      |          |      |          |      |      |      |
|----|-------|------|----------|------|----------|------|----------|------|------|------|
| NC | .100  | .100 | .050     | .100 | .300     | .000 | .000     | .000 | .000 | .000 |
| NH | 3.000 | .140 | 5260.000 | .051 | 5374.000 | .140 | 5544.000 | .000 | .000 | .000 |

## X-SECTION GUF

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 84070.000 | 20.000   | 5260.000 | 5374.000 | 1868.000 | 1783.000 | 1878.000 | .000     | .000    | .000     |
| GR | 180.000   | 5000.000 | 176.000  | 5015.000 | 172.000  | 5055.000 | 168.000  | 5130.000 | 165.000 | 5260.000 |
| GR | 163.600   | 5313.000 | 161.400  | 5328.000 | 157.000  | 5335.000 | 157.000  | 5338.000 | 156.700 | 5343.000 |
| GR | 156.700   | 5348.000 | 157.000  | 5353.000 | 157.000  | 5355.000 | 157.500  | 5358.000 | 161.400 | 5370.000 |
| GR | 163.500   | 5374.000 | 168.000  | 5409.000 | 172.000  | 5449.000 | 176.000  | 5509.000 | 180.000 | 5544.000 |

|    |       |      |          |      |          |      |          |       |          |          |
|----|-------|------|----------|------|----------|------|----------|-------|----------|----------|
| NH | 3.000 | .130 | 5001.000 | .051 | 5020.000 | .130 | 5220.000 | .000  | .000     | .000     |
| ET | .000  | .000 | .000     | .000 | .000     | .000 | .000     | 9.110 | 4950.000 | 5130.000 |

## FIRST X-SECTION FOR BRIDGE # 5, PRIVATE FARM ACCESS RD.

|    |           |          |          |          |          |          |          |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| X1 | 86540.000 | 18.000   | 5001.000 | 5020.000 | 2360.000 | 2350.000 | 2470.000 | .000     | -.160   | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 171.430  | 172.000 | .000     |
| GR | 192.000   | 4855.000 | 188.000  | 4875.000 | 184.000  | 4905.000 | 180.000  | 4930.000 | 176.000 | 4935.000 |
| GR | 173.340   | 5000.000 | 171.430  | 5001.000 | 164.640  | 5004.510 | 164.610  | 5006.000 | 164.710 | 5010.000 |
| GR | 165.800   | 5013.000 | 172.600  | 5020.000 | 172.000  | 5100.000 | 176.000  | 5140.000 | 180.000 | 5155.000 |
| GR | 184.000   | 5170.000 | 188.000  | 5200.000 | 192.000  | 5220.000 | .000     | .000     | .000    | .000     |

|    |           |      |          |      |          |        |          |         |          |          |
|----|-----------|------|----------|------|----------|--------|----------|---------|----------|----------|
| NC | .000      | .000 | .000     | .300 | .500     | .000   | .000     | .000    | .000     | .000     |
| NH | 3.000     | .130 | 5001.000 | .051 | 5020.000 | .130   | 5220.000 | .000    | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000   | .000     | 9.110   | 4950.000 | 5130.000 |
| X1 | 86583.000 | .000 | .000     | .000 | 43.000   | 43.000 | 43.000   | .000    | .160     | .000     |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000   | .000     | 173.000 | 172.000  | .000     |

|    |       |      |          |      |          |      |          |       |          |          |
|----|-------|------|----------|------|----------|------|----------|-------|----------|----------|
| NH | 3.000 | .130 | 5000.000 | .051 | 5015.510 | .130 | 5220.000 | .000  | .000     | .000     |
| ET | .000  | .000 | .000     | .000 | .000     | .000 | .000     | 9.110 | 4950.000 | 5130.000 |

## BRIDGE # 5, PRIVATE FARM ACCESS RD.

|    |           |          |          |          |          |         |         |          |         |         |
|----|-----------|----------|----------|----------|----------|---------|---------|----------|---------|---------|
| X1 | 86584.000 | 23.000   | 5000.000 | 5015.510 | 1.000    | 1.000   | 1.000   | .000     | .000    | .000    |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000    | .000    | 173.340  | 172.300 | .000    |
| BT | 23.000    | 4855.000 | 192.000  | 192.000  | 4875.000 | 188.000 | 189.000 | 4905.000 | 184.000 | 184.000 |
| BT | .000      | 4930.000 | 180.000  | 180.000  | 4935.000 | 176.000 | 176.000 | 5000.000 | 173.340 | 173.340 |
| BT | .000      | 5001.000 | 173.340  | 171.430  | 5003.000 | 171.720 | 171.430 | 5004.500 | 171.790 | 170.290 |
| BT | .000      | 5004.510 | 171.790  | 170.290  | 5006.000 | 171.860 | 170.370 | 5010.000 | 172.040 | 170.580 |
| BT | .000      | 5013.000 | 172.180  | 170.740  | 5013.500 | 172.180 | 170.740 | 5015.500 | 172.300 | 170.870 |
| BT | .000      | 5015.510 | 172.300  | 172.300  | 5020.000 | 172.600 | 172.600 | 5100.000 | 172.000 | 172.000 |



|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| BT | .000      | 514.000  | 176.000  | 176.000  | 5155.000 | 180.000  | 180.000  | 5170.000 | 184.000  | 184.000  |
| BT | .000      | 5200.000 | 188.000  | 188.000  | 5220.000 | 192.000  | 192.000  | .000     | .000     | .000     |
| GR | 192.000   | 4855.000 | 188.000  | 4875.000 | 184.000  | 4905.000 | 180.000  | 4930.000 | 176.000  | 4935.000 |
| GR | 173.340   | 5000.000 | 171.430  | 5001.000 | 171.430  | 5003.000 | 170.290  | 5004.500 | 164.640  | 5004.510 |
| GR | 164.610   | 5006.000 | 164.710  | 5010.000 | 165.800  | 5013.000 | 168.520  | 5013.500 | 170.870  | 5015.500 |
| GR | 172.300   | 5015.510 | 172.600  | 5020.000 | 172.000  | 5100.000 | 176.000  | 5140.000 | 180.000  | 5155.000 |
| GR | 184.000   | 5170.000 | 188.000  | 5200.000 | 192.000  | 5220.000 | .000     | .000     | .000     | .000     |
| NH | 5.000     | .130     | 5000.000 | .051     | 5015.510 | .130     | 5220.000 | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4950.000 | 5130.000 |
| X1 | 86596.000 | .000     | .000     | .000     | 12.000   | 12.000   | 12.000   | .000     | .000     | .000     |
| X2 | .000      | .000     | .000     | .000     | .000     | .000     | 1.000    | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 173.340  | 172.360  | .000     |
| NH | 3.000     | .130     | 5001.000 | .051     | 5020.000 | .130     | 5220.000 | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4950.000 | 5130.000 |
| X1 | 86597.000 | 18.000   | 5001.000 | 5020.000 | 1.000    | 1.000    | 1.600    | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 173.340  | 172.000  | .000     |
| GR | 192.000   | 4855.000 | 188.000  | 4875.000 | 184.000  | 4905.000 | 180.000  | 4930.000 | 176.000  | 4935.000 |
| GR | 173.340   | 5000.000 | 171.430  | 5001.000 | 164.640  | 5004.510 | 164.610  | 5006.000 | 164.710  | 5010.000 |
| GR | 165.800   | 5013.000 | 172.600  | 5020.000 | 172.000  | 5100.000 | 176.000  | 5140.000 | 180.000  | 5155.000 |
| GR | 184.000   | 5170.000 | 188.000  | 5200.000 | 192.000  | 5220.000 | .000     | .000     | .000     | .000     |
| NH | 3.000     | .130     | 5001.000 | .051     | 5020.000 | .130     | 5220.000 | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4950.000 | 5130.000 |

LAST X-SECTION FOR BRIDGE # 5, PRIVATE FARM ACCESS RD.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 86607.000 | .000     | .000     | .000     | 10.000   | 10.000   | 10.000   | .000     | .050     | .000     |
| QT | 7.000     | 2301.000 | 4260.000 | 4747.000 | 6750.000 | 3267.000 | 2687.000 | 4747.000 | .000     | .000     |
| NC | .100      | .100     | .050     | .100     | .300     | .000     | .000     | .000     | .000     | .000     |
| NH | 5.000     | .160     | 4898.000 | .075     | 5000.000 | .051     | 5050.500 | .075     | 5138.000 | .160     |
| NH | 5418.000  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4900.000 | 5130.000 |

FIRST X-SECTION FOR PIPE AT LITTLE GUNPOWDER CONFLUENCE

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 86882.000 | 25.000   | 5000.000 | 5050.500 | 314.000  | 264.000  | 275.000  | .000     | .470     | .000     |
| GR | 200.000   | 4708.000 | 195.000  | 4738.000 | 190.000  | 4788.000 | 185.000  | 4818.000 | 180.000  | 4848.000 |
| GR | 175.000   | 4898.000 | 173.930  | 5000.000 | 169.870  | 5004.490 | 169.200  | 5004.500 | 167.520  | 5007.000 |
| GR | 167.320   | 5009.500 | 168.320  | 5015.000 | 168.700  | 5021.000 | 166.720  | 5027.000 | 166.010  | 5032.000 |
| GR | 166.720   | 5039.000 | 168.900  | 5041.500 | 169.570  | 5041.510 | 173.930  | 5050.500 | 175.000  | 5138.000 |
| GR | 180.000   | 5168.000 | 185.000  | 5218.000 | 190.000  | 5308.000 | 195.000  | 5368.000 | 200.000  | 5418.000 |
| NC | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .075     | .000     | .000     |
| NH | 5.000     | .160     | 4898.000 | .075     | 5000.000 | .051     | 5050.500 | .075     | 5138.000 | .160     |
| NH | 5418.000  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4900.000 | 5130.000 |
| X1 | 87029.000 | .000     | .000     | .000     | 147.000  | 147.000  | 147.000  | .000     | .470     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 169.200  | 168.900  | .000     |

|    |          |      |          |      |          |      |          |       |          |          |
|----|----------|------|----------|------|----------|------|----------|-------|----------|----------|
| NH | 5.000    | .160 | 4898.000 | .075 | 5000.000 | .051 | 5050.500 | .075  | 5138.000 | .160     |
| NH | 5418.000 | .000 | .000     | .000 | .000     | .000 | .000     | .000  | .000     | .000     |
| ET | .000     | .000 | .000     | .000 | .000     | .000 | .000     | 9.110 | 4900.000 | 5130.000 |

## PIPE: AT THE CONFLUENCE OF LITTLE GUNPOWDER CREEK.

|    |           |          |         |         |          |         |         |          |         |         |
|----|-----------|----------|---------|---------|----------|---------|---------|----------|---------|---------|
| X1 | 87030.000 | .000     | .000    | .000    | 1.000    | 1.000   | 1.000   | .000     | .000    | .000    |
| X3 | 10.000    | .000     | .000    | .000    | .000     | .000    | .000    | 169.870  | 169.570 | .000    |
| BT | -25.000   | 4708.000 | 200.000 | 200.000 | 4738.000 | 195.000 | 195.000 | 4788.000 | 190.000 | 190.000 |
| BT | .000      | 4818.000 | 185.000 | 185.000 | 4848.000 | 180.000 | 180.000 | 4898.000 | 175.000 | 175.000 |
| BT | .000      | 5000.000 | 173.960 | 173.960 | 5004.490 | 169.870 | 169.870 | 5004.500 | 169.870 | 169.200 |
| BT | .000      | 5007.000 | 169.850 | 169.180 | 5009.500 | 169.830 | 169.160 | 5015.000 | 169.780 | 169.110 |
| BT | .000      | 5021.000 | 169.740 | 169.070 | 5027.000 | 169.690 | 169.020 | 5032.000 | 169.650 | 168.980 |
| BT | .000      | 5039.000 | 169.590 | 168.920 | 5041.500 | 169.570 | 168.900 | 5041.510 | 169.570 | 169.570 |
| BT | .000      | 5050.500 | 173.930 | 173.930 | 5138.000 | 175.000 | 175.000 | 5168.000 | 190.000 | 180.000 |
| BT | .000      | 5218.000 | 185.000 | 185.000 | 5308.000 | 190.000 | 190.000 | 5368.000 | 195.000 | 195.000 |
| BT | .000      | 5418.000 | 200.000 | 200.000 | .000     | .000    | .000    | .000     | .000    | .000    |

|    |           |      |          |      |          |       |          |         |          |          |
|----|-----------|------|----------|------|----------|-------|----------|---------|----------|----------|
| NH | 5.000     | .160 | 4898.000 | .090 | 5000.000 | .055  | 5050.500 | .090    | 5138.000 | .160     |
| NH | 5418.000  | .000 | .000     | .000 | .000     | .000  | .000     | .000    | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110   | 4900.000 | 5130.000 |
| X1 | 87031.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000    | .000     | .000     |
| X2 | .000      | .000 | .000     | .000 | .000     | .000  | 1.000    | .000    | .000     | .000     |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000  | .000     | 169.870 | 169.570  | .000     |

|    |           |      |      |      |       |       |       |       |          |          |
|----|-----------|------|------|------|-------|-------|-------|-------|----------|----------|
| ET | .000      | .000 | .000 | .000 | .000  | .000  | .000  | 9.110 | 4900.000 | 5130.000 |
| X1 | 87032.000 | .000 | .000 | .000 | 1.000 | 1.000 | 1.000 | .000  | .000     | .000     |

|    |          |      |          |      |          |      |          |       |          |          |
|----|----------|------|----------|------|----------|------|----------|-------|----------|----------|
| NH | 5.000    | .160 | 4898.000 | .090 | 5000.000 | .060 | 5050.500 | .090  | 5138.000 | .160     |
| NH | 5418.000 | .000 | .000     | .000 | .000     | .000 | .000     | .000  | .000     | .000     |
| ET | .000     | .000 | .000     | .000 | .000     | .000 | .000     | 9.110 | 4900.000 | 5130.000 |

## LAST X-SECTION FOR PIPE AT LITTLE GUNPOWDER CONFLUENCE

|    |           |      |          |      |          |        |          |       |          |          |
|----|-----------|------|----------|------|----------|--------|----------|-------|----------|----------|
| X1 | 87067.000 | .000 | .000     | .000 | 36.000   | 36.000 | 36.000   | .000  | .090     | .000     |
| NC | .000      | .000 | .000     | .100 | .300     | .000   | .000     | .000  | .000     | .000     |
| NH | 3.000     | .170 | 5280.000 | .062 | 5323.000 | .170   | 5763.000 | .000  | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000   | .000     | 9.110 | 5195.000 | 5425.000 |

## X-SECTION GUG

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 89810.000 | 15.000   | 5280.000 | 5323.000 | 2743.000 | 2693.000 | 2743.000 | .000     | .000     | .000     |
| GR | 195.000   | 5000.000 | 190.000  | 5035.000 | 185.000  | 5105.000 | 178.700  | 5265.000 | 178.400  | 5280.000 |
| GR | 174.700   | 5285.000 | 173.000  | 5288.000 | 172.900  | 5290.000 | 172.600  | 5295.000 | 173.000  | 5297.000 |
| GR | 175.000   | 5303.000 | 176.900  | 5323.000 | 185.000  | 5503.000 | 190.000  | 5643.000 | 195.000  | 5763.000 |
| NC | .110      | .070     | .057     | .100     | .300     | .000     | .000     | .000     | .000     | .000     |
| NH | 5.000     | .190     | 4940.000 | .110     | 5001.010 | .057     | 5059.510 | .070     | 5426.500 | 1.000    |
| NH | 5611.500  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4995.000 | 5245.000 |

## FIRST X-SECTION FOR BRIDGE # 6, JOYCETON RD.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 90573.000 | 21.000   | 5001.010 | 5059.510 | 758.000  | 823.000  | 763.000  | .000     | -1.720   | .000     |
| GR | 200.000   | 4810.000 | 195.000  | 4870.000 | 190.000  | 4940.000 | 187.140  | 5001.010 | 181.560  | 5019.000 |
| GR | 179.930   | 5020.100 | 179.930  | 5020.110 | 179.000  | 5020.900 | 179.150  | 5026.000 | 179.930  | 5034.000 |
| GR | 180.910   | 5038.000 | 182.500  | 5040.600 | 182.500  | 5040.610 | 182.500  | 5041.400 | 182.500  | 5041.410 |
| GR | 184.740   | 5051.000 | 186.780  | 5059.500 | 190.160  | 5059.510 | 190.000  | 5426.500 | 195.000  | 5526.500 |
| GR | 200.000   | 5611.500 | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| NC | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000     | .000     |
| NH | 5.000     | .200     | 4940.000 | .110     | 5001.010 | .053     | 5059.510 | .075     | 5426.500 | 10.000   |
| NH | 5611.500  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4995.000 | 5245.000 |
| X1 | 90806.000 | .000     | .000     | .000     | 233.000  | 233.000  | 233.000  | .000     | 1.720    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 187.140  | 189.500  | .000     |
| NH | 5.000     | .200     | 4940.000 | .080     | 5000.000 | .053     | 5061.510 | .080     | 5426.500 | 10.000   |
| NH | 5611.500  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| SB | 1.250     | 1.670    | 2.600    | .000     | 7.400    | 1.600    | 393.000  | 2.040    | 179.000  | 179.000  |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4995.000 | 5245.000 |

## BRIDGE # 6, JOYCETON RD.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 90844.000 | 29.000   | 5000.000 | 5061.510 | 38.000   | 38.000   | 38.000   | .000     | .000     | .000     |
| X2 | .000      | .000     | 1.000    | 191.520  | 190.000  | .000     | .000     | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 189.500  | 189.500  | .000     |
| BT | -29.000   | 4810.000 | 200.000  | 200.000  | 4870.000 | 195.000  | 195.000  | 4940.000 | 190.000  | 190.000  |
| BT | .000      | 5000.000 | 191.540  | 187.580  | 5000.010 | 194.320  | 187.580  | 5001.000 | 194.320  | 187.540  |
| BT | .000      | 5001.010 | 194.320  | 187.540  | 5006.000 | 194.320  | 187.340  | 5009.000 | 194.320  | 190.100  |
| BT | .000      | 5019.000 | 194.310  | 190.110  | 5020.100 | 194.310  | 190.120  | 5020.110 | 194.310  | 179.930  |
| BT | .000      | 5020.900 | 194.310  | 179.930  | 5020.910 | 194.310  | 190.120  | 5026.000 | 194.320  | 190.120  |
| BT | .000      | 5034.000 | 194.320  | 190.130  | 5038.000 | 194.330  | 190.130  | 5040.600 | 194.330  | 190.130  |
| BT | .000      | 5040.610 | 194.330  | 182.500  | 5041.400 | 194.330  | 182.500  | 5041.410 | 194.330  | 190.130  |
| BT | .000      | 5051.000 | 194.330  | 190.150  | 5059.500 | 194.340  | 190.160  | 5059.510 | 194.340  | 190.160  |
| BT | .000      | 5061.500 | 194.340  | 190.160  | 5061.510 | 191.560  | 190.160  | 5426.500 | 190.000  | 190.000  |
| BT | .000      | 5526.500 | 195.000  | 195.000  | 5611.500 | 200.000  | 200.000  | .000     | .000     | .000     |
| GR | 200.000   | 4810.000 | 195.000  | 4870.000 | 190.000  | 4940.000 | 187.580  | 5000.000 | 187.580  | 5000.010 |
| GR | 187.540   | 5001.000 | 187.540  | 5001.010 | 187.340  | 5006.000 | 186.800  | 5009.000 | 181.560  | 5019.000 |
| GR | 179.930   | 5020.100 | 179.930  | 5020.110 | 179.930  | 5020.900 | 179.930  | 5020.910 | 179.150  | 5026.000 |
| GR | 179.930   | 5034.000 | 180.910  | 5038.000 | 182.500  | 5040.600 | 182.500  | 5040.610 | 182.500  | 5041.400 |
| GR | 182.500   | 5041.410 | 184.740  | 5051.000 | 186.780  | 5059.500 | 190.160  | 5059.510 | 190.160  | 5061.500 |
| GR | 190.160   | 5061.510 | 190.000  | 5426.500 | 195.000  | 5526.500 | 200.000  | 5611.500 | .000     | .000     |
| NH | 5.000     | .200     | 4940.000 | .080     | 5001.010 | .053     | 5059.510 | .080     | 5426.500 | 1.000    |
| NH | 5611.500  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4995.000 | 5245.000 |

## LAST X-SECTION FOR BRIDGE # 6, JOYCETON RD.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 90902.000 | 21.000   | 5001.010 | 5059.510 | 58.000   | 58.000   | 58.000   | .000     | .410     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 189.600  | 189.600  | .000     |
| GR | 200.000   | 4810.000 | 195.000  | 4870.000 | 190.000  | 4940.000 | 187.140  | 5001.010 | 181.560  | 5019.000 |
| GR | 179.930   | 5020.100 | 179.930  | 5020.110 | 179.000  | 5020.900 | 179.150  | 5026.000 | 179.930  | 5034.000 |
| GR | 180.910   | 5038.000 | 182.500  | 5040.600 | 182.500  | 5040.610 | 182.500  | 5041.400 | 182.500  | 5041.410 |
| GR | 184.740   | 5051.000 | 186.780  | 5059.500 | 190.160  | 5059.510 | 190.000  | 5426.500 | 195.000  | 5526.500 |
| GR | 200.000   | 5611.500 | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| NC | .100      | .100     | .050     | .100     | .300     | .000     | .000     | .000     | .000     | .000     |
| NH | 4.000     | .120     | 5159.000 | .051     | 5221.000 | .080     | 5295.000 | .120     | 5370.000 | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 5000.000 | 5250.000 |

## X-SECTION GUH

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 91660.000 | 19.000   | 5159.000 | 5221.000 | 753.000  | 776.000  | 758.000  | .000     | .000     | .000     |
| GR | 205.000   | 5000.000 | 200.000  | 5020.000 | 195.000  | 5050.000 | 193.000  | 5080.000 | 191.400  | 5150.000 |
| GR | 190.900   | 5159.000 | 186.400  | 5169.000 | 184.000  | 5170.000 | 183.700  | 5172.000 | 183.800  | 5175.000 |
| GR | 184.000   | 5180.000 | 184.300  | 5181.000 | 185.000  | 5189.000 | 187.100  | 5196.000 | 189.600  | 5221.000 |
| GR | 190.000   | 5250.000 | 195.000  | 5295.000 | 200.000  | 5340.000 | 205.000  | 5370.000 | .000     | .000     |
| NC | .100      | .100     | .050     | .100     | .300     | .000     | .000     | .000     | .000     | .000     |
| NH | 3.000     | .110     | 4999.990 | .051     | 5034.010 | .090     | 5348.000 | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4980.000 | 5120.000 |

## FIRST X SECTION FOR PIPE U/S OF JOYCETON RD.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 92568.000 | 20.000   | 4999.990 | 5034.010 | 883.000  | 913.000  | 908.000  | .000     | .540     | .000     |
| GR | 220.000   | 4868.000 | 215.000  | 4888.000 | 210.000  | 4903.000 | 205.000  | 4948.000 | 200.000  | 4978.000 |
| GR | 193.510   | 4999.990 | 192.000  | 5000.000 | 189.590  | 5007.500 | 187.830  | 5012.000 | 187.830  | 5012.010 |
| GR | 187.830   | 5017.000 | 187.830  | 5017.010 | 189.590  | 5029.000 | 192.560  | 5034.000 | 194.060  | 5034.010 |
| GR | 200.000   | 5183.000 | 205.000  | 5228.000 | 210.000  | 5263.000 | 215.000  | 5308.000 | 220.000  | 5348.000 |
| NC | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000     | .000     |
| NH | 3.000     | .110     | 4999.990 | .051     | 5034.010 | .090     | 5348.000 | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4980.000 | 5120.000 |
| X1 | 92703.000 | .000     | .000     | .000     | 135.000  | 135.000  | 135.000  | .000     | .540     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 193.510  | 194.060  | .000     |
| NH | 3.000     | .110     | 4999.990 | .051     | 5034.010 | .090     | 5348.000 | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4980.000 | 5120.000 |

## PIPE U/S OF JOYCETON RD.

|    |           |          |         |         |          |         |         |          |         |         |
|----|-----------|----------|---------|---------|----------|---------|---------|----------|---------|---------|
| X1 | 92704.000 | .000     | .000    | .000    | 1.000    | 1.000   | 1.000   | .000     | .000    | .000    |
| BT | -21.000   | 4868.000 | 220.000 | 220.000 | 4888.000 | 215.000 | 215.000 | 4903.000 | 210.000 | 210.000 |
| BT | .000      | 4948.000 | 205.000 | 205.000 | 4978.000 | 200.000 | 200.000 | 4999.990 | 193.510 | 193.510 |
| BT | .000      | 5000.000 | 193.510 | 192.000 | 5007.500 | 193.700 | 192.200 | 5012.000 | 193.870 | 192.370 |
| BT | .000      | 5012.010 | 193.870 | 187.830 | 5017.000 | 193.870 | 187.830 | 5017.010 | 193.870 | 192.370 |
| BT | .000      | 5029.000 | 194.010 | 192.510 | 5034.000 | 194.060 | 192.560 | 5034.010 | 194.060 | 194.060 |
| BT | .000      | 5183.000 | 200.000 | 200.000 | 5228.000 | 205.000 | 205.000 | 5263.000 | 210.000 | 210.000 |
| BT | .000      | 5308.000 | 215.000 | 215.000 | 5348.000 | 220.000 | 220.000 | .000     | .000    | .000    |

|    |           |      |          |      |          |       |          |       |          |          |
|----|-----------|------|----------|------|----------|-------|----------|-------|----------|----------|
| NH | 3.000     | .110 | 4999.990 | .051 | 5034.010 | .090  | 5348.000 | .000  | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110 | 4980.000 | 5120.000 |
| X1 | 92706.000 | .000 | .000     | .000 | 2.000    | 2.000 | 2.000    | .000  | .000     | .000     |
| X2 | .000      | .000 | .000     | .000 | .000     | .000  | 1.000    | .000  | .000     | .000     |

|    |           |      |          |      |          |       |          |         |          |          |
|----|-----------|------|----------|------|----------|-------|----------|---------|----------|----------|
| NH | 3.000     | .110 | 4999.990 | .051 | 5034.010 | .090  | 5348.000 | .000    | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110   | 4980.000 | 5120.000 |
| X1 | 92707.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000    | .000     | .000     |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000  | .000     | 193.510 | 94.060   | .000     |

|    |       |      |          |      |          |      |          |       |          |          |
|----|-------|------|----------|------|----------|------|----------|-------|----------|----------|
| NH | 3.000 | .110 | 4999.990 | .051 | 5034.010 | .090 | 5348.000 | .000  | .000     | .000     |
| ET | .000  | .000 | .000     | .000 | .000     | .000 | .000     | 9.110 | 4980.000 | 5120.000 |

## LAST X SECTION FOR PIPE U/S OF JOYCETON RD.

|    |           |      |          |      |          |        |          |       |          |          |
|----|-----------|------|----------|------|----------|--------|----------|-------|----------|----------|
| X1 | 92740.000 | .000 | .000     | .000 | 33.000   | 33.000 | 33.000   | .000  | .310     | .000     |
| NC | .100      | .100 | .050     | .100 | .300     | .000   | .000     | .000  | .000     | .000     |
| NH | 3.000     | .150 | 5000.000 | .051 | 5040.000 | .100   | 5640.000 | .000  | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000   | .000     | 9.110 | 4980.000 | 5120.000 |

## FIRST X-SECTION FOR PIPE D/S OF CLOVER RD.

|    |           |          |          |          |         |          |         |          |         |          |
|----|-----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 93440.000 | 18.000   | 5000.000 | 5040.000 | 694.500 | 734.500  | 770.000 | .000     | .650    | .000     |
| GR | 220.000   | 4795.000 | 215.000  | 4865.000 | 210.000 | 4910.000 | 205.000 | 4975.000 | 203.760 | 5000.000 |
| GR | 197.880   | 5005.000 | 197.210  | 5005.010 | 195.120 | 5015.000 | 195.420 | 5020.000 | 196.230 | 5030.000 |
| GR | 196.900   | 5030.010 | 202.770  | 5040.000 | 205.000 | 5275.000 | 210.000 | 5335.000 | 215.000 | 5395.000 |
| GR | 215.000   | 5515.000 | 215.000  | 5590.000 | 220.000 | 5640.000 | .000    | .000     | .000    | .000     |

|    |           |      |          |      |          |        |          |         |          |          |
|----|-----------|------|----------|------|----------|--------|----------|---------|----------|----------|
| NC | .000      | .000 | .000     | .200 | .400     | .000   | .000     | .000    | .000     | .000     |
| NH | 3.000     | .160 | 5000.000 | .051 | 5040.000 | .100   | 5640.000 | .000    | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000   | .000     | 9.110   | 4980.000 | 5120.000 |
| X1 | 93511.000 | .000 | .000     | .000 | 71.000   | 71.000 | 71.000   | .000    | .650     | .000     |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000   | .000     | 197.880 | 196.900  | .000     |

|    |       |      |          |      |          |      |          |       |          |          |
|----|-------|------|----------|------|----------|------|----------|-------|----------|----------|
| NH | 3.000 | .160 | 5000.000 | .030 | 5040.000 | .100 | 5640.000 | .000  | .000     | .000     |
| ET | .000  | .000 | .000     | .000 | .000     | .000 | .000     | 9.110 | 4980.000 | 5120.000 |

## PIPE D/S OF CLOVER RD.

|    |           |          |         |         |          |         |         |          |         |         |
|----|-----------|----------|---------|---------|----------|---------|---------|----------|---------|---------|
| X1 | 93512.000 | .000     | .000    | .000    | 1.000    | 1.000   | 1.000   | .000     | .000    | .000    |
| BT | -18.000   | 4795.000 | 220.000 | 220.000 | 4865.000 | 215.000 | 215.000 | 4910.000 | 210.000 | 210.000 |
| BT | .000      | 4975.000 | 205.000 | 205.000 | 5000.000 | 203.760 | 203.760 | 5005.000 | 197.880 | 197.880 |
| BT | .000      | 5005.010 | 197.880 | 197.210 | 5015.000 | 197.490 | 196.820 | 5020.000 | 197.290 | 196.620 |
| BT | .000      | 5030.000 | 196.900 | 196.230 | 5030.010 | 196.900 | 196.900 | 5040.000 | 202.770 | 202.770 |
| BT | .000      | 5275.000 | 205.000 | 205.000 | 5335.000 | 210.000 | 210.000 | 5395.000 | 215.000 | 215.000 |
| BT | .000      | 5515.000 | 215.000 | 215.000 | 5590.000 | 215.000 | 215.000 | 5640.000 | 220.000 | 220.000 |

|    |           |      |          |      |          |       |          |       |          |          |
|----|-----------|------|----------|------|----------|-------|----------|-------|----------|----------|
| NH | 3.000     | .160 | 5000.000 | .030 | 5040.000 | .100  | 5640.000 | .000  | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110 | 4980.000 | 5120.000 |
| X1 | 93513.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000  | .000     | .000     |
| X2 | .000      | .000 | .000     | .000 | .000     | .000  | 1.000    | .000  | .000     | .000     |

|    |           |      |          |      |          |       |          |         |          |          |
|----|-----------|------|----------|------|----------|-------|----------|---------|----------|----------|
| NH | 3.000     | .160 | 5000.000 | .051 | 5040.000 | .100  | 5640.000 | .000    | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110   | 4980.000 | 5120.000 |
| X1 | 93514.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000    | .000     | .000     |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000  | .000     | 197.880 | 196.900  | .000     |

|    |       |      |          |      |          |      |          |       |          |          |
|----|-------|------|----------|------|----------|------|----------|-------|----------|----------|
| NH | 3.000 | .160 | 5000.000 | .051 | 5040.000 | .100 | 5640.000 | .000  | .000     | .000     |
| ET | .000  | .000 | .000     | .000 | .000     | .000 | .000     | 9.110 | 4980.000 | 5120.000 |

LAST X-SECTION FOR PIPE D/S OF CLOVER RD.

FIRST X-SECTION FOR BRIDGE # 7, CLOVER RD.

|    |           |          |          |          |         |          |         |          |         |          |
|----|-----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 93522.000 | 19.000   | 5000.000 | 5040.000 | 8.000   | 8.000    | 8.000   | .000     | .000    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000    | .000     | .000    | 263.760  | 202.770 | .000     |
| GR | 220.000   | 4795.000 | 215.000  | 4865.000 | 210.000 | 4910.000 | 205.000 | 4975.000 | 203.760 | 5000.000 |
| GR | 200.450   | 5005.000 | 196.440  | 5011.000 | 195.400 | 5013.000 | 195.120 | 5015.000 | 195.400 | 5017.000 |
| GR | 195.420   | 5020.010 | 200.500  | 5030.000 | 202.770 | 5040.000 | 205.000 | 5275.000 | 210.000 | 5335.000 |
| GR | 215.000   | 5395.000 | 215.000  | 5515.000 | 215.000 | 5590.000 | 220.000 | 5640.000 | .000    | .000     |

|    |       |      |          |      |          |      |          |       |          |          |
|----|-------|------|----------|------|----------|------|----------|-------|----------|----------|
| NH | 4.000 | .160 | 5000.000 | .051 | 5040.000 | .100 | 5275.000 | .160  | 5640.000 | .000     |
| ET | .000  | .000 | .000     | .000 | .000     | .000 | .000     | 9.110 | 4980.000 | 5205.000 |

BRIDGE # 7, CLOVER RD.

|    |           |          |          |          |          |          |         |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|---------|----------|---------|----------|
| X1 | 93523.000 | 23.000   | 5000.000 | 5040.000 | 1.000    | 1.000    | 1.000   | .000     | .000    | .000     |
| BT | -23.000   | 4795.000 | 220.000  | 220.000  | 4655.000 | 215.000  | 215.000 | 4910.000 | 210.000 | 210.000  |
| BT | .000      | 4975.000 | 205.000  | 205.000  | 5000.000 | 203.760  | 203.760 | 5005.000 | 203.620 | 200.450  |
| BT | .000      | 5010.000 | 203.470  | 198.520  | 5010.010 | 203.470  | 198.430 | 5011.000 | 203.440 | 200.420  |
| BT | .000      | 5013.000 | 203.390  | 201.460  | 5015.000 | 203.330  | 201.740 | 5017.000 | 203.280 | 201.460  |
| BT | .000      | 5019.000 | 203.240  | 200.420  | 5020.000 | 203.220  | 198.430 | 5020.010 | 203.220 | 195.420  |
| BT | .000      | 5030.000 | 202.990  | 200.500  | 5040.000 | 202.770  | 202.770 | 5275.000 | 205.000 | 205.000  |
| BT | .000      | 5335.000 | 210.000  | 210.000  | 5395.000 | 215.000  | 215.000 | 5515.000 | 215.000 | 215.000  |
| BT | .000      | 5590.000 | 215.000  | 215.000  | 5640.000 | 220.000  | 220.000 | .000     | .000    | .000     |
| GR | 220.000   | 4795.000 | 215.000  | 4865.000 | 210.000  | 4910.000 | 205.000 | 4975.000 | 203.760 | 5000.000 |
| GR | 200.450   | 5005.000 | 196.440  | 5011.000 | 195.400  | 5013.000 | 195.120 | 5015.000 | 195.400 | 5017.000 |
| GR | 195.420   | 5020.010 | 200.500  | 5030.000 | 202.770  | 5040.000 | 205.000 | 5275.000 | 210.000 | 5335.000 |
| GR | 200.500   | 5030.000 | 202.770  | 5040.000 | 205.000  | 5275.000 | 210.000 | 5335.000 | 215.000 | 5395.000 |
| GR | 215.000   | 5515.000 | 215.000  | 5590.000 | 220.000  | 5640.000 | .000    | .000     | .000    | .000     |

|    |           |      |          |      |          |        |          |       |          |          |
|----|-----------|------|----------|------|----------|--------|----------|-------|----------|----------|
| NH | 4.000     | .160 | 5000.000 | .051 | 5040.000 | .100   | 5275.000 | .160  | 5640.000 | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000   | .000     | 9.110 | 4980.000 | 5205.000 |
| X1 | 93548.000 | .000 | .000     | .000 | 25.000   | 25.000 | 25.000   | .000  | .000     | .000     |
| X2 | .000      | .000 | .000     | .000 | .000     | .000   | 1.000    | .000  | .000     | .000     |

|    |       |      |          |      |          |      |          |       |          |          |
|----|-------|------|----------|------|----------|------|----------|-------|----------|----------|
| NH | 4.000 | .160 | 5000.000 | .051 | 5040.000 | .100 | 5275.000 | .160  | 5640.000 | .000     |
| ET | .000  | .000 | .000     | .000 | .000     | .000 | .000     | 9.110 | 4980.000 | 5205.000 |

## LAST X-SECTION FOR BRIDGE # 7, CLOVER RD.

## FIRST X-SECTION FOR PIPE U/S OF CLOVER RD.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 93549.000 | 19.000   | 5000.000 | 5040.000 | 1.000    | 1.000    | 1.000    | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 203.760  | 202.770  | .000     |
| GR | 220.000   | 4795.000 | 215.000  | 4865.000 | 210.000  | 4910.000 | 205.000  | 4973.000 | 203.760  | 5000.000 |
| GR | 200.450   | 5005.000 | 196.440  | 5011.000 | 195.400  | 5013.000 | 195.120  | 5015.000 | 195.400  | 5017.000 |
| GR | 195.420   | 5020.010 | 200.500  | 5030.000 | 202.770  | 5040.000 | 205.000  | 5275.000 | 210.000  | 5335.000 |
| GR | 215.000   | 5395.000 | 215.000  | 5515.000 | 215.000  | 5590.000 | 220.000  | 5640.000 | .000     | .000     |
| NH | 4.000     | .160     | 5000.000 | .051     | 5040.000 | .100     | 5275.000 | .160     | 5640.000 | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4980.000 | 5205.000 |

## PIPE U/S OF CLOVER RD.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 93550.000 | 18.000   | 5000.000 | 5040.000 | 1.000    | 1.000    | 1.000    | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 203.760  | 202.770  | .000     |
| BT | -18.000   | 4795.000 | 220.000  | 220.000  | 4865.000 | 215.000  | 215.000  | 4910.000 | 210.000  | 210.000  |
| BT | .000      | 4795.000 | 205.000  | 205.000  | 5000.000 | 203.760  | 203.760  | 5005.000 | 199.290  | 199.290  |
| BT | .000      | 5005.010 | 199.290  | 198.620  | 5015.000 | 198.630  | 197.960  | 5023.000 | 198.110  | 197.430  |
| BT | .000      | 5023.010 | 198.110  | 198.110  | 5030.000 | 200.500  | 200.500  | 5040.000 | 202.770  | 202.770  |
| BT | .000      | 5275.000 | 205.000  | 205.000  | 5335.000 | 210.000  | 210.000  | 5395.000 | 215.000  | 215.000  |
| BT | .000      | 5515.000 | 215.000  | 215.000  | 5590.000 | 215.000  | 215.000  | 5640.000 | 220.000  | 220.000  |
| GR | 220.000   | 4795.000 | 215.000  | 4865.000 | 210.000  | 4910.000 | 205.000  | 4975.000 | 203.760  | 5000.000 |
| GR | 199.290   | 5005.000 | 198.620  | 5005.010 | 195.120  | 5015.000 | 197.430  | 5023.000 | 198.110  | 5023.010 |
| GR | 200.500   | 5030.000 | 202.770  | 5040.000 | 205.000  | 5275.000 | 210.000  | 5335.000 | 215.000  | 5395.000 |
| GR | 215.000   | 5515.000 | 215.000  | 5590.000 | 220.000  | 5640.000 | .000     | .000     | .000     | .000     |
| NH | 4.000     | .160     | 5000.000 | .051     | 5040.000 | .100     | 5275.000 | .160     | 5640.000 | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4980.000 | 5205.000 |
| X1 | 93551.000 | .000     | .000     | .000     | 1.000    | 1.000    | 1.000    | .000     | .000     | .000     |
| X2 | .000      | .000     | .000     | .000     | .000     | .000     | 1.000    | .000     | .000     | .000     |
| NH | 4.000     | .160     | 5000.000 | .051     | 5040.000 | .100     | 5275.000 | .160     | 5640.000 | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4980.000 | 5205.000 |
| X1 | 93552.000 | .000     | .000     | .000     | 1.000    | 1.000    | 1.000    | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 203.760  | 202.770  | .000     |
| NH | 4.000     | .160     | 5000.000 | .051     | 5040.000 | .100     | 5275.000 | .160     | 5640.000 | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4980.000 | 5205.000 |

## LAST X-SECTION FOR PIPE U/S OF CLOVER RD.

|    |           |      |      |      |        |        |        |      |      |      |
|----|-----------|------|------|------|--------|--------|--------|------|------|------|
| X1 | 93568.000 | .000 | .000 | .000 | 16.000 | 16.000 | 16.000 | .000 | .170 | .000 |
|----|-----------|------|------|------|--------|--------|--------|------|------|------|







|    |           |      |          |      |          |       |          |         |          |          |
|----|-----------|------|----------|------|----------|-------|----------|---------|----------|----------|
| NH | 5.000     | .160 | 4927.500 | .100 | 5000.000 | .050  | 5021.500 | .100    | 5147.500 | .480     |
| NH | 5422.500  | .000 | .000     | .000 | .000     | .000  | .000     | .000    | .000     | .600     |
| ET | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110   | 4960.000 | 5140.000 |
| X1 | 94272.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000    | .000     | .000     |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000  | .000     | 202.350 | 203.630  | .000     |
| NH | 5.000     | .160 | 4927.500 | .100 | 5000.000 | .050  | 5021.500 | .100    | 5147.500 | .380     |
| NH | 5422.500  | .000 | .000     | .000 | .000     | .000  | .000     | .000    | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110   | 4960.000 | 5140.000 |

LAST X SECTION FOR PIPE U/S OF  
HICKORY SPRINGS MANUFACTURING.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 94286.000 | .000     | .000     | .000     | 14.000   | 14.000   | 14.000   | .000     | .070     | .000     |
| QT | 7.000     | 1335.000 | 2386.000 | 2739.000 | 3703.000 | 1858.000 | 1545.000 | 2739.000 | .000     | .000     |
| NC | .100      | .100     | .050     | .100     | .300     | .000     | .000     | .000     | .000     | .000     |
| NH | 5.000     | .160     | 4885.000 | .070     | 4990.000 | .049     | 5024.000 | .055     | 5139.000 | .280     |
| NH | 5409.000  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4960.000 | 5110.000 |

FIRST X-SECTION FOR BRIDGE # 8, SWAN DR.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 95128.000 | 16.000   | 4990.000 | 5024.000 | 853.000  | 833.000  | 842.000  | .000     | .240     | .000     |
| GR | 230.000   | 4845.000 | 225.000  | 4860.000 | 220.000  | 4885.000 | 215.000  | 4955.000 | 212.000  | 4990.000 |
| GR | 204.170   | 5000.010 | 203.260  | 5008.000 | 203.670  | 5012.000 | 204.170  | 5016.010 | 205.270  | 5017.000 |
| GR | 211.460   | 5022.000 | 212.680  | 5024.000 | 215.000  | 5139.000 | 220.000  | 5219.000 | 225.000  | 5279.000 |
| GR | 230.000   | 5409.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| NC | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000     | .000     |
| NH | 5.000     | .160     | 4885.000 | .070     | 4990.000 | .049     | 5024.000 | .055     | 5139.000 | .180     |
| NH | 5409.000  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4960.000 | 5110.000 |
| X1 | 95159.000 | .000     | .000     | .000     | 31.000   | 31.000   | 31.000   | .240     | .240     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 211.500  | 211.500  | .000     |
| NH | 5.000     | .160     | 4885.000 | .070     | 5000.000 | .049     | 5024.000 | .055     | 5139.000 | .160     |
| NH | 5409.000  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| SB | 1.250     | 7.700    | 3.100    | .000     | 6.310    | .010     | 50.300   | .000     | 203.670  | 203.670  |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4960.000 | 5110.000 |

BRIDGE # 8, SWAN DR.

|    |           |          |          |          |          |         |         |          |         |         |
|----|-----------|----------|----------|----------|----------|---------|---------|----------|---------|---------|
| X1 | 95200.000 | 22.000   | 5000.000 | 5024.000 | 41.000   | 41.000  | 41.000  | .000     | .000    | .000    |
| X2 | .000      | .000     | 1.000    | 211.670  | 212.680  | .000    | .000    | .000     | .000    | .000    |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000    | .000    | 212.800  | 212.800 | .000    |
| BT | -22.000   | 4845.000 | 230.000  | 230.000  | 4860.000 | 225.000 | 225.000 | 4885.000 | 220.000 | 220.000 |
| BT | .000      | 4955.000 | 215.000  | 215.000  | 5000.000 | 212.800 | 212.800 | 5000.010 | 212.800 | 204.170 |
| BT | .000      | 5008.000 | 212.760  | 203.260  | 5008.010 | 212.760 | 207.670 | 5008.800 | 212.750 | 210.070 |
| BT | .000      | 5009.600 | 212.750  | 210.870  | 5012.000 | 212.740 | 211.670 | 5014.400 | 212.750 | 210.870 |
| BT | .000      | 5015.200 | 212.730  | 210.070  | 5016.000 | 212.720 | 207.670 | 5016.010 | 212.720 | 204.170 |
| BT | .000      | 5017.000 | 212.710  | 205.270  | 5022.000 | 212.690 | 211.460 | 5024.000 | 212.680 | 212.680 |
| BT | .000      | 5139.000 | 215.000  | 215.000  | 5219.000 | 220.000 | 220.000 | 5279.000 | 225.000 | 225.000 |

|    |          |          |          |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| BT | .000     | 5409.000 | 230.000  | 230.000  | .000     | .000     | .000     | .000     | .000     | .000     |
| GR | 230.000  | 4845.000 | 225.000  | 4860.000 | 220.000  | 4885.000 | 215.000  | 4955.000 | 212.800  | 5000.000 |
| GR | 204.170  | 5000.010 | 203.260  | 5008.000 | 207.670  | 5008.010 | 205.270  | 5008.800 | 204.470  | 5009.600 |
| GR | 203.670  | 5012.000 | 204.470  | 5014.400 | 205.270  | 5015.200 | 207.670  | 5016.000 | 204.170  | 5016.010 |
| GR | 205.270  | 5017.000 | 211.460  | 5022.000 | 212.680  | 5024.000 | 215.000  | 5139.000 | 220.000  | 5219.000 |
| GR | 225.000  | 5279.000 | 230.000  | 5409.000 | .000     | .000     | .000     | .000     | .000     | .000     |
| NH | 5.000    | .160     | 4885.000 | .070     | 4990.000 | .049     | 5024.000 | .070     | 5139.000 | .160     |
| NH | 5499.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| ET | .000     | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4960.000 | 5110.000 |

## LAST X-SECTION FOR BRIDGE # 8, SWAN DR.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 95208.000 | 16.000   | 4990.000 | 5024.000 | 8.000    | 8.000    | 8.000    | .000     | .380     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 212.800  | 212.630  | .000     |
| GR | 230.000   | 4845.000 | 225.000  | 4860.000 | 220.000  | 4885.000 | 215.000  | 4955.000 | 212.000  | 4990.000 |
| GR | 204.170   | 5000.010 | 203.260  | 5008.000 | 203.670  | 5012.000 | 204.170  | 5016.010 | 205.270  | 5017.000 |
| GR | 211.460   | 5022.000 | 212.680  | 5024.000 | 215.000  | 5139.000 | 220.000  | 5219.000 | 225.000  | 5279.000 |
| GR | 230.000   | 5409.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| NC | .100      | .100     | .050     | .300     | .500     | .000     | .000     | .000     | .000     | .000     |
| NH | 5.000     | .160     | 4885.000 | .070     | 5000.000 | .049     | 5037.500 | .070     | 5139.000 | .160     |
| NH | 5409.000  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4960.000 | 5110.000 |

## FIRST X-SECTION FOR PIPE U/S OF SWAN DR.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 95229.000 | 18.000   | 5000.000 | 5037.500 | 21.000   | 21.000   | 21.000   | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 207.180  | 206.030  | .000     |
| GR | 230.000   | 4845.000 | 225.000  | 4860.000 | 220.000  | 4885.000 | 215.000  | 4955.000 | 211.260  | 5000.000 |
| GR | 207.180   | 5007.000 | 206.330  | 5008.000 | 205.660  | 5008.010 | 204.400  | 5008.500 | 203.930  | 5013.500 |
| GR | 204.400   | 5019.500 | 205.360  | 5023.500 | 206.030  | 5023.510 | 210.980  | 5037.500 | 215.000  | 5139.000 |
| GR | 220.000   | 5219.000 | 225.000  | 5279.000 | 230.000  | 5409.000 | .000     | .000     | .000     | .000     |
| NH | 5.000     | .160     | 4885.000 | .070     | 5000.000 | .049     | 5037.500 | .070     | 5139.000 | .160     |
| NH | 5409.000  | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4960.000 | 5110.000 |

## PIPE U/S OF SWAN DR.

|    |           |          |         |         |          |         |         |          |         |         |
|----|-----------|----------|---------|---------|----------|---------|---------|----------|---------|---------|
| X1 | 95230.000 | .000     | .000    | .000    | 1.000    | 1.000   | 1.000   | .000     | .000    | .000    |
| X3 | 10.000    | .000     | .000    | .000    | .000     | .000    | .000    | 211.260  | 210.980 | .000    |
| BT | -18.000   | 4845.000 | 230.000 | 230.000 | 4860.000 | 225.000 | 225.000 | 4885.000 | 220.000 | 220.000 |
| BT | .000      | 4955.000 | 215.000 | 215.000 | 5000.000 | 211.260 | 211.260 | 5007.000 | 207.180 | 207.180 |
| BT | .000      | 5008.000 | 206.330 | 206.330 | 5008.010 | 206.330 | 205.660 | 5008.500 | 206.320 | 205.650 |
| BT | .000      | 5013.500 | 206.220 | 205.559 | 5019.500 | 206.110 | 205.440 | 5023.500 | 206.030 | 205.360 |
| BT | .000      | 5023.510 | 206.030 | 206.030 | 5037.500 | 210.980 | 210.980 | 5139.000 | 215.000 | 215.000 |
| BT | .000      | 5219.000 | 220.000 | 220.000 | 5279.000 | 225.000 | 225.000 | 5409.000 | 230.000 | 230.000 |

|    |           |      |          |      |          |       |          |         |          |          |
|----|-----------|------|----------|------|----------|-------|----------|---------|----------|----------|
| NH | 5.000     | .160 | 4885.000 | .060 | 5000.000 | .048  | 5037.500 | .060    | 5139.000 | .160     |
| NH | 5409.000  | .000 | .000     | .000 | .000     | .000  | .000     | .000    | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110   | 4960.000 | 5110.000 |
| X1 | 95231.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000    | .000     | .000     |
| X2 | .000      | .000 | .000     | .000 | .000     | .000  | 1.000    | .000    | .000     | .000     |
| NH | 5.000     | .160 | 4885.000 | .060 | 5000.000 | .048  | 5037.500 | .060    | 5139.000 | .160     |
| NH | 5409.000  | .000 | .000     | .000 | .000     | .000  | .000     | .000    | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110   | 4960.000 | 5110.000 |
| X1 | 95232.000 | .000 | .000     | .000 | 1.000    | 1.000 | 1.000    | .000    | .000     | .000     |
| X3 | 10.000    | .000 | .000     | .000 | .000     | .000  | .000     | 206.330 | 206.030  | .000     |
| NH | 5.000     | .170 | 4885.000 | .060 | 5000.000 | .048  | 5037.500 | .060    | 5139.000 | .170     |
| NH | 5409.000  | .000 | .000     | .000 | .000     | .000  | .000     | .000    | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110   | 4960.000 | 5110.000 |

## LAST X-SECTION FOR PIPE U/S OF SWAN DR

|    |           |      |          |      |          |        |          |       |          |          |
|----|-----------|------|----------|------|----------|--------|----------|-------|----------|----------|
| X1 | 95256.000 | .000 | .000     | .000 | 24.000   | 24.000 | 24.000   | .000  | .290     | .000     |
| NC | .100      | .100 | .050     | .100 | .300     | .000   | .000     | .000  | .000     | .000     |
| NH | 5.000     | .110 | 5045.000 | .070 | 5143.000 | .048   | 5177.000 | .070  | 5265.000 | .110     |
| NH | 5550.000  | .000 | .000     | .000 | .000     | .000   | .000     | .000  | .000     | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000   | .000     | 9.110 | 5143.000 | 5325.000 |

## X-SECTION GUI

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 95730.000 | 20.000   | 5143.000 | 5177.000 | 473.500  | 498.500  | 474.000  | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 218.500  | 218.900  | .000     |
| GR | 235.000   | 5000.000 | 230.000  | 5020.000 | 225.000  | 5045.000 | 220.000  | 5118.000 | 218.500  | 5143.000 |
| GR | 215.500   | 5150.000 | 210.600  | 5159.000 | 210.000  | 5160.000 | 209.700  | 5163.000 | 209.700  | 5166.000 |
| GR | 210.000   | 5168.000 | 210.700  | 5169.000 | 214.600  | 5172.000 | 218.900  | 5177.000 | 219.200  | 5205.000 |
| GR | 215.000   | 5265.000 | 220.000  | 5475.000 | 225.000  | 5525.000 | 230.000  | 5540.000 | 235.000  | 5550.000 |
| NH | 3.000     | .120     | 5001.000 | .051     | 5025.000 | .170     | 5290.000 | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4860.000 | 5050.000 |

## FIRST X-SECTION FOR BRIDGE # 9, U.S. 321-A (NORWOOD ST.)

|    |           |          |          |          |          |          |          |          |                    |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|--------------------|----------|
| X1 | 96512.000 | 14.000   | 5001.000 | 5025.000 | 877.500  | 727.500  | 782.000  | .000     | -1.310             | .000     |
| GR | 245.000   | 4710.000 | 240.000  | 4745.000 | 233.000  | 4785.000 | 230.170  | 5001.000 | 221.570            | 5005.000 |
| GR | 221.460   | 5010.250 | 221.460  | 5010.260 | 221.460  | 5010.750 | 221.460  | 5010.760 | <del>221.510</del> | 5015.000 |
| GR | 231.560   | 5025.000 | 235.000  | 5115.000 | 240.000  | 5195.000 | 245.000  | 5290.000 | .000               | .000     |
| NC | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000               | .000     |
| NH | 3.000     | .120     | 5001.000 | .051     | 5025.000 | .170     | 5290.000 | .000     | .000               | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4860.000           | 5050.000 |
| X1 | 96587.000 | .000     | .000     | .000     | 75.000   | 75.000   | 75.000   | .000     | 1.310              | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 230.170  | 231.500            | .000     |

|    |       |       |          |      |          |      |          |       |         |         |
|----|-------|-------|----------|------|----------|------|----------|-------|---------|---------|
| NH | 3.000 | .120  | 4999.990 | .051 | 5020.010 | .170 | 5290.000 | .000  | .000    | .000    |
| SB | 1.250 | 2.070 | 2.600    | .000 | 20.500   | .500 | 150.400  | .000  | 221.460 | 221.460 |
| ET | .000  | .000  | .000     | .000 | .000     | .000 | .000     | 6.410 | .000    | .000    |

BRIDGE # 9, U.S. 321-A (NORWOOD ST.)

|    |           |          |          |          |          |          |         |          |         |          |
|----|-----------|----------|----------|----------|----------|----------|---------|----------|---------|----------|
| X1 | 96652.000 | 18.000   | 4999.990 | 5020.010 | 45.000   | 45.000   | 45.000  | .000     | .000    | .000     |
| X2 | .000      | .000     | 1.000    | 228.980  | 231.660  | .000     | .000    | .000     | .000    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000    | 230.170  | 231.500 | .000     |
| BT | -18.000   | 4710.000 | 245.000  | 245.000  | 4745.000 | 240.000  | 240.000 | 4785.000 | 235.000 | 235.000  |
| BT | .000      | 4999.990 | 232.100  | 232.100  | 5001.000 | 232.100  | 228.980 | 5001.010 | 232.100 | 228.980  |
| BT | .000      | 5005.000 | 232.020  | 228.960  | 5010.250 | 231.910  | 228.950 | 5010.240 | 231.910 | 221.460  |
| BT | .000      | 5010.750 | 231.890  | 221.460  | 5010.760 | 231.890  | 228.940 | 5015.000 | 231.760 | 228.930  |
| BT | .000      | 5019.990 | 231.660  | 228.910  | 5020.000 | 231.660  | 228.910 | 5020.010 | 231.660 | 231.660  |
| BT | .000      | 5115.000 | 235.000  | 235.000  | 5195.000 | 240.000  | 240.000 | 5290.000 | 245.000 | 245.000  |
| GR | 245.000   | 4710.000 | 240.000  | 4745.000 | 235.000  | 4785.000 | 232.100 | 4999.990 | 228.980 | 5001.000 |
| GR | 221.570   | 5001.010 | 221.570  | 5005.000 | 221.460  | 5010.250 | 221.460 | 5010.260 | 221.460 | 5010.750 |
| GR | 221.460   | 5010.760 | 221.510  | 5015.000 | 221.520  | 5019.990 | 228.910 | 5020.000 | 231.660 | 5020.010 |
| GR | 235.000   | 5115.000 | 240.000  | 5195.000 | 245.000  | 5290.000 | .000    | .000     | .000    | .000     |

|    |       |      |          |      |          |      |          |      |      |      |
|----|-------|------|----------|------|----------|------|----------|------|------|------|
| NH | 3.000 | .120 | 5001.000 | .051 | 5025.000 | .170 | 5290.000 | .000 | .000 | .000 |
|----|-------|------|----------|------|----------|------|----------|------|------|------|

LAST X SECTION FOR BRIDGE # 9, U.S. 321-A (NORWOOD ST.)

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 96651.000 | 14.000   | 5001.000 | 5025.000 | 19.000   | 19.000   | 19.000   | .000     | .290     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 230.170  | 231.500  | .000     |
| GR | 245.000   | 4710.000 | 240.000  | 4745.000 | 235.000  | 4785.000 | 230.170  | 5001.000 | 221.570  | 5005.000 |
| GR | 221.460   | 5010.250 | 221.460  | 5010.260 | 221.460  | 5010.750 | 221.460  | 5010.760 | 221.510  | 5015.000 |
| GR | 231.560   | 5025.000 | 235.000  | 5115.000 | 240.000  | 5195.000 | 245.000  | 5290.000 | .000     | .000     |
| NC | .100      | .100     | .050     | .100     | .300     | .000     | .000     | .000     | .000     | .000     |
| NH | 4.000     | .160     | 5000.000 | .051     | 5048.010 | .160     | 5088.000 | 1.000    | 5200.000 | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4950.000 | 5060.000 |

FIRST X-SECTION FOR BRIDGE # 10, LENOIR CHAIR PLANT, (BROYHILL).

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 96937.000 | 15.000   | 5000.000 | 5048.010 | 256.000  | 306.000  | 286.000  | .000     | -.590    | .000     |
| GR | 250.000   | 4570.000 | 245.000  | 4650.000 | 240.000  | 4720.000 | 235.630  | 5000.000 | 225.010  | 5011.010 |
| GR | 225.730   | 5015.000 | 226.120  | 5020.000 | 224.380  | 5027.500 | 224.380  | 5027.510 | 226.390  | 5032.000 |
| GR | 228.700   | 5033.000 | 235.720  | 5048.010 | 239.000  | 5088.000 | 240.000  | 5130.000 | 240.500  | 5200.000 |
| NC | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000     | .000     |
| NH | 4.000     | .160     | 5000.000 | .050     | 5048.010 | .160     | 5088.000 | 1.000    | 5200.000 | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4950.000 | 5060.000 |
| X1 | 97002.000 | .000     | .000     | .000     | 65.000   | 65.000   | 65.000   | .000     | .590     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 235.000  | 235.000  | .000     |
| NH | 4.000     | .160     | 5000.000 | .050     | 5048.010 | .160     | 5088.000 | 1.000    | 5200.000 | .000     |
| SB | 1.250     | 1.840    | 2.600    | .000     | 16.510   | .010     | 159.000  | .000     | 224.380  | 224.380  |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4920.000 | 5070.000 |

## BRIDGE # 10, LENOIR CHAIR PLANT, (BROYHILL).

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 97037.000 | 20.000   | 5000.000 | 5048.010 | 35.000   | 35.000   | 35.000   | .000     | .000     | .000     |
| X2 | .00       | .000     | 1.000    | 234.050  | 235.630  | .000     | .000     | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 235.630  | 235.720  | .000     |
| BT | -20.000   | 4570.000 | 250.000  | 250.000  | 4650.000 | 245.000  | 245.000  | 4720.000 | 240.000  | 240.000  |
| BT | .000      | 5000.000 | 235.630  | 235.630  | 5000.010 | 242.630  | 234.240  | 5010.000 | 244.300  | 225.310  |
| BT | .000      | 5011.000 | 244.300  | 225.010  | 5011.010 | 244.300  | 233.950  | 5015.000 | 244.330  | 233.970  |
| BT | .000      | 5020.000 | 244.360  | 234.000  | 5027.500 | 244.400  | 234.050  | 5027.510 | 244.400  | 224.380  |
| BT | .000      | 5032.000 | 244.300  | 226.390  | 5033.000 | 244.390  | 228.700  | 5044.000 | 244.370  | 235.320  |
| BT | .000      | 5048.000 | 244.360  | 235.720  | 5048.010 | 235.720  | 235.720  | 5088.000 | 239.000  | 239.000  |
| BT | .000      | 5130.000 | 240.000  | 240.000  | 5200.000 | 240.500  | 240.500  | .000     | .000     | .000     |
| GR | 250.000   | 4570.000 | 245.000  | 4650.000 | 240.000  | 4720.000 | 235.630  | 5000.000 | 234.240  | 5000.010 |
| GR | 225.310   | 5010.000 | 225.010  | 5011.000 | 225.010  | 5011.010 | 225.730  | 5015.000 | 226.120  | 5020.000 |
| GR | 224.380   | 5027.500 | 224.380  | 5027.510 | 226.390  | 5032.000 | 228.700  | 5033.000 | 235.320  | 5044.000 |
| GR | 235.720   | 5048.000 | 235.720  | 5048.010 | 239.000  | 5088.000 | 240.000  | 5130.000 | 240.500  | 5200.000 |
| NH | 4.000     | .160     | 5000.000 | .050     | 5048.010 | .160     | 5088.000 | 1.000    | 5200.000 | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4920.000 | 5070.000 |

## LAST X-SECTION FOR BRIDGE # 10, LENOIR CHAIR PLANT, (BROYHILL).

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 97053.000 | 15.000   | 5000.000 | 5048.010 | 16.000   | 16.000   | 16.000   | .000     | .480     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 235.630  | 235.720  | .000     |
| GR | 250.000   | 4570.000 | 245.000  | 4650.000 | 240.000  | 4720.000 | 235.630  | 5000.000 | 225.010  | 5011.010 |
| GR | 225.730   | 5015.000 | 226.120  | 5020.000 | 224.380  | 5027.500 | 224.380  | 5027.510 | 226.390  | 5032.000 |
| GR | 228.700   | 5033.000 | 235.720  | 5048.010 | 239.000  | 5088.000 | 240.000  | 5130.000 | 240.500  | 5200.000 |
| NC | .100      | .100     | .050     | .100     | .300     | .000     | .000     | .000     | .000     | .000     |
| NH | 4.000     | .110     | 5000.000 | .050     | 5022.510 | .055     | 5112.500 | .160     | 5207.500 | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4920.000 | 5070.000 |

## FIRST X-SECTION FOR BRIDGE # 11, U.S. 321-A (HORWOOD ST.)

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 97580.000 | 13.000   | 5000.000 | 5022.510 | 481.500  | 556.500  | 527.000  | .000     | -1.230   | .000     |
| GR | 255.000   | 4725.000 | 250.000  | 4750.000 | 245.000  | 4885.000 | 243.880  | 5000.000 | 234.020  | 5003.010 |
| GR | 233.960   | 5008.000 | 233.650  | 5010.000 | 233.960  | 5015.000 | 236.450  | 5018.500 | 244.080  | 5022.510 |
| GR | 245.000   | 5112.500 | 250.000  | 5142.500 | 255.000  | 5207.500 | .000     | .000     | .000     | .000     |
| NC | .000      | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000     | .000     |
| NH | 4.000     | .110     | 5000.000 | .050     | 5022.510 | .055     | 5112.500 | .160     | 5207.500 | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4920.000 | 5070.000 |
| X1 | 97641.000 | .000     | .000     | .000     | 61.000   | 61.000   | 61.000   | .000     | 1.230    | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 243.000  | 243.000  | .000     |
| NH | 4.000     | .110     | 5000.000 | .050     | 5022.510 | .055     | 5112.500 | .160     | 5207.500 | .000     |
| SB | 1.250     | 1.770    | 2.600    | .000     | 6.910    | .010     | 135.000  | .850     | 233.650  | 233.650  |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4920.000 | 5070.000 |



## BRIDGE # 12, PRIVATE ACCESS RD.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 9C220.000 | 23.000   | 5000.000 | 5025.010 | 1.000    | 1.000    | 1.000    | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 248.380  | 249.880  | .000     |
| BT | -23.000   | 4630.000 | 265.000  | 265.000  | 4680.000 | 260.000  | 260.000  | 4760.000 | 255.000  | 255.000  |
| BT | .000      | 4840.000 | 250.000  | 250.000  | 5000.000 | 248.380  | 248.380  | 5000.010 | 254.380  | 248.380  |
| BT | .000      | 5015.000 | 255.450  | 243.450  | 5015.010 | 255.450  | 242.500  | 5015.500 | 255.420  | 244.000  |
| BT | .000      | 5016.000 | 255.520  | 244.500  | 5017.500 | 255.630  | 245.000  | 5019.000 | 255.680  | 244.500  |
| BT | .000      | 5019.500 | 255.700  | 244.000  | 5020.000 | 255.710  | 242.500  | 5020.010 | 255.710  | 240.400  |
| BT | .000      | 5021.000 | 255.740  | 240.740  | 5022.000 | 255.780  | 243.820  | 5025.000 | 255.880  | 249.880  |
| BT | .000      | 5025.010 | 249.880  | 249.880  | 5060.000 | 250.000  | 250.000  | 5075.000 | 255.000  | 255.000  |
| BT | .000      | 5235.000 | 260.000  | 260.000  | 5250.000 | 270.000  | 270.000  | .000     | .000     | .000     |
| GR | 265.000   | 4630.000 | 260.000  | 4680.000 | 255.000  | 4760.000 | 250.000  | 4840.000 | 248.380  | 5000.000 |
| GR | 248.380   | 5000.010 | 243.450  | 5015.000 | 242.500  | 5015.010 | 241.000  | 5015.500 | 240.500  | 5016.000 |
| GR | 240.000   | 5017.500 | 240.500  | 5019.000 | 241.000  | 5019.500 | 242.500  | 5020.000 | 240.400  | 5020.010 |
| GR | 240.740   | 5021.000 | 243.820  | 5022.000 | 249.880  | 5025.000 | 249.880  | 5025.010 | 250.000  | 5060.000 |
| GR | 255.000   | 5075.000 | 260.000  | 5235.000 | 270.000  | 5250.000 | .000     | .000     | .000     | .000     |
| NH | 3.000     | .160     | 5000.000 | .060     | 5025.010 | .160     | 5250.000 | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4855.000 | 5025.000 |
| X1 | 98260.000 | .000     | .000     | .000     | 40.000   | 40.000   | 40.000   | .000     | .000     | .000     |
| X2 | .000      | .000     | .000     | .000     | .000     | .000     | 1.000    | .000     | .000     | .000     |
| NH | 3.000     | .160     | 5000.000 | .060     | 5025.010 | .160     | 5250.000 | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4855.000 | 5025.000 |
| X1 | 98261.000 | 16.000   | 5000.000 | 5025.010 | 1.000    | 1.000    | 1.000    | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 248.380  | 249.880  | .000     |
| GR | 265.000   | 4630.000 | 260.000  | 4680.000 | 255.000  | 4760.000 | 250.000  | 4840.000 | 248.380  | 5000.000 |
| GR | 242.500   | 5015.010 | 241.000  | 5015.500 | 240.500  | 5016.000 | 240.000  | 5017.500 | 240.400  | 5020.010 |
| GR | 240.740   | 5021.000 | 249.880  | 5025.010 | 250.000  | 5060.000 | 255.000  | 5075.000 | 260.000  | 5235.000 |
| GR | 270.000   | 5250.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| NH | 3.000     | .150     | 5000.000 | .060     | 5025.010 | .160     | 5250.000 | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4855.000 | 5025.000 |

## LAST X-SECTION FOR BRIDGE # 12, PRIVATE ACCESS RD.

|    |           |      |          |      |          |       |          |       |          |          |
|----|-----------|------|----------|------|----------|-------|----------|-------|----------|----------|
| X1 | 98265.000 | .000 | .000     | .000 | 4.000    | 4.000 | 4.000    | .000  | .290     | .000     |
| HC | .100      | .100 | .050     | .100 | .300     | .000  | .000     | .000  | .000     | .000     |
| NH | 4.000     | .160 | 4835.000 | .060 | 5000.000 | .050  | 5035.010 | .160  | 5360.000 | .000     |
| ET | .000      | .000 | .000     | .000 | .000     | .000  | .000     | 9.110 | 4900.000 | 5100.000 |

## FIRST X-SECTION FOR BRIDGE # 13, BERKLEY RD.

|    |           |          |          |          |         |          |         |          |         |          |
|----|-----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 99161.000 | 19.000   | 5000.000 | 5035.010 | 866.500 | 889.500  | 896.000 | .000     | -.790   | .000     |
| GR | 275.000   | 4815.000 | 265.000  | 4825.000 | 260.000 | 4835.000 | 257.370 | 5000.000 | 253.350 | 5009.500 |
| GR | 251.530   | 5010.500 | 251.520  | 5012.250 | 251.390 | 5013.250 | 251.220 | 5017.000 | 251.360 | 5019.750 |
| GR | 251.520   | 5022.510 | 253.920  | 5024.500 | 255.680 | 5027.000 | 256.050 | 5029.000 | 257.400 | 5035.010 |
| GR | 260.000   | 5165.000 | 265.000  | 5260.000 | 270.000 | 5320.000 | 275.000 | 5360.000 | .000    | .000     |



|    |           |       |          |      |          |        |          |         |          |          |
|----|-----------|-------|----------|------|----------|--------|----------|---------|----------|----------|
| NC | .000      | .000  | .000     | .300 | .500     | .000   | .000     | .000    | .000     | .000     |
| NH | 4.000     | .160  | 4835.000 | .060 | 5000.000 | .050   | 5035.010 | .160    | 5360.000 | .000     |
| ET | .000      | .000  | .000     | .000 | .000     | .000   | .000     | 9.110   | 4900.000 | 5100.000 |
| X1 | 99206.000 | .000  | .000     | .000 | 45.000   | 45.000 | 45.000   | .000    | .790     | .000     |
| X3 | 10.000    | .000  | .000     | .000 | .000     | .000   | .000     | 257.000 | 257.000  | .000     |
| NH | 4.000     | .160  | 4835.000 | .060 | 5000.000 | .050   | 5035.010 | .160    | 5360.000 | .000     |
| SB | 1.250     | 7.000 | 3.100    | .000 | 9.600    | 1.000  | 33.000   | .000    | 251.220  | 251.220  |
| ET | .000      | .000  | .000     | .000 | .000     | .000   | .000     | 9.110   | 4900.000 | 5100.000 |

BRIDGE # 13, BERKLEY RD.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 99253.000 | 35.000   | 5000.000 | 5035.010 | 47.000   | 47.000   | 47.000   | .000     | .000     | .000     |
| X2 | .000      | .000     | 1.000    | 255.050  | 257.320  | .000     | .000     | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 257.370  | 257.400  | .000     |
| BT | -35.000   | 4815.000 | 275.000  | 275.000  | 4825.000 | 265.000  | 265.000  | 4835.000 | 260.000  | 260.000  |
| BT | .000      | 5000.000 | 257.370  | 257.370  | 5000.010 | 257.370  | 257.370  | 5006.000 | 257.360  | 256.180  |
| BT | .000      | 5009.500 | 257.350  | 253.350  | 5010.000 | 257.340  | 253.180  | 5010.500 | 257.340  | 251.530  |
| BT | .000      | 5010.510 | 257.340  | 253.220  | 5011.250 | 257.330  | 254.480  | 5012.250 | 257.330  | 254.920  |
| BT | .000      | 5013.250 | 257.330  | 255.050  | 5014.250 | 257.330  | 254.920  | 5015.250 | 257.320  | 254.480  |
| BT | .000      | 5016.000 | 257.320  | 253.220  | 5016.010 | 257.320  | 251.430  | 5017.000 | 257.320  | 251.220  |
| BT | .000      | 5017.010 | 257.320  | 253.190  | 5017.750 | 257.320  | 254.450  | 5018.750 | 257.330  | 254.890  |
| BT | .000      | 5019.750 | 257.330  | 255.020  | 5020.750 | 257.340  | 254.890  | 5021.750 | 257.340  | 254.450  |
| BT | .000      | 5022.500 | 257.340  | 253.190  | 5022.510 | 257.340  | 251.520  | 5024.500 | 257.350  | 253.920  |
| BT | .000      | 5027.000 | 257.360  | 255.680  | 5029.000 | 257.370  | 256.050  | 5035.000 | 257.400  | 257.020  |
| BT | .000      | 5035.010 | 257.400  | 257.400  | 5165.000 | 260.000  | 260.000  | 5260.000 | 265.000  | 265.000  |
| BT | .000      | 5320.000 | 270.000  | 270.000  | 5360.000 | 275.000  | 275.000  | .000     | .000     | .000     |
| GR | 275.000   | 4815.000 | 265.000  | 4825.000 | 260.000  | 4835.000 | 257.370  | 5000.000 | 257.370  | 5000.010 |
| GR | 256.180   | 5006.000 | 253.350  | 5009.500 | 253.180  | 5010.000 | 251.530  | 5010.500 | 253.220  | 5010.510 |
| GR | 251.960   | 5011.250 | 251.520  | 5012.250 | 251.390  | 5013.250 | 251.520  | 5014.250 | 251.960  | 5015.250 |
| GR | 253.220   | 5016.000 | 251.430  | 5016.010 | 251.220  | 5017.000 | 253.190  | 5017.010 | 251.930  | 5017.750 |
| GR | 251.490   | 5018.750 | 251.360  | 5019.750 | 251.490  | 5020.750 | 251.930  | 5021.750 | 253.190  | 5022.500 |
| GR | 251.520   | 5022.510 | 253.920  | 5024.500 | 255.680  | 5027.000 | 256.050  | 5029.000 | 257.020  | 5035.000 |
| GR | 257.400   | 5035.010 | 260.000  | 5165.000 | 265.000  | 5260.000 | 270.000  | 5320.000 | 275.000  | 5360.000 |
| NH | 4.000     | .160     | 4835.000 | .060     | 5000.000 | .050     | 5035.010 | .160     | 5360.000 | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4900.000 | 5100.000 |

LAST X-SECTION FOR BRIDGE # 13, BERKLEY RD.

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 99265.000 | 19.000   | 5000.000 | 5035.010 | 12.000   | 12.000   | 12.000   | .000     | .220     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 257.370  | 257.400  | .000     |
| GR | 275.000   | 4815.000 | 265.000  | 4825.000 | 260.000  | 4835.000 | 257.370  | 5000.000 | 253.350  | 5009.500 |
| GR | 251.530   | 5010.500 | 251.520  | 5012.250 | 251.390  | 5013.250 | 251.220  | 5017.000 | 251.360  | 5019.750 |
| GR | 251.520   | 5022.510 | 253.920  | 5024.500 | 255.680  | 5027.000 | 256.050  | 5029.000 | 257.400  | 5035.010 |
| GR | 260.000   | 5165.000 | 265.000  | 5260.000 | 270.000  | 5320.000 | 275.000  | 5360.000 | .000     | .000     |
| NC | .100      | .100     | .050     | .100     | .300     | .000     | .000     | .000     | .000     | .000     |
| NH | 3.000     | .160     | 5000.000 | .052     | 5011.200 | .160     | 5200.010 | .000     | .000     | .000     |
| QT | 7.000     | 405.000  | 755.000  | 874.000  | 1199.000 | 577.000  | 474.000  | 874.000  | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4970.000 | 5016.000 |



|    |           |          |          |          |          |         |         |          |         |         |          |          |      |
|----|-----------|----------|----------|----------|----------|---------|---------|----------|---------|---------|----------|----------|------|
| GR | 275.000   | 5227.010 | 280.000  | 5257.010 | .000     | .000    | .000    | .000     | .000    | .000    | 4830.000 | 5180.000 | .000 |
| ET | .000      | .000     | .000     | .000     | .000     | .000    | .000    | .000     | .000    | .000    | 4830.000 | 5180.000 | .000 |
| X1 | 99760.000 | .000     | 103.000  | 103.000  | 103.000  | 103.000 | 103.000 | 103.000  | 103.000 | 103.000 | 1.980    | .000     | .000 |
| NH | 3.000     | .160     | 5032.010 | .055     | 5032.010 | .160    | .000    | 5257.010 | .000    | 9.110   | 4830.000 | 5180.000 | .000 |
| ET | .000      | .000     | .000     | .000     | .000     | .000    | .000    | .000     | .000    | 9.110   | 4830.000 | 5180.000 | .000 |

BRIDGE # 15, PRIVATE ACCESS RD.

|    |           |          |          |          |          |          |         |          |         |          |          |          |      |
|----|-----------|----------|----------|----------|----------|----------|---------|----------|---------|----------|----------|----------|------|
| X1 | 99761.000 | 19.000   | 5000.000 | 5032.010 | 1.000    | 1.000    | 1.000   | 1.000    | 1.000   | .000     | .000     | .000     | .000 |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000    | .000     | .000    | .000     | 264.230  | 265.480  | .000 |
| BT | -19.000   | 4755.000 | 280.000  | 280.000  | 4775.000 | 275.000  | 275.000 | 275.000  | 275.000 | 4800.000 | 270.000  | 270.000  | .000 |
| BT | .000      | 4335.000 | 265.000  | 265.000  | 5000.000 | 264.230  | 264.230 | 264.230  | 264.230 | 5000.010 | 261.650  | 261.650  | .000 |
| BT | .000      | 5004.000 | 264.390  | 261.810  | 5007.000 | 264.500  | 261.920 | 261.920  | 261.920 | 5010.000 | 264.620  | 264.620  | .000 |
| BT | .000      | 5015.000 | 264.820  | 262.240  | 5016.000 | 264.860  | 262.280 | 262.280  | 262.280 | 5018.000 | 264.930  | 262.350  | .000 |
| BT | .000      | 5026.000 | 265.250  | 262.670  | 5032.000 | 265.480  | 262.900 | 262.900  | 262.900 | 5032.010 | 265.480  | 265.480  | .000 |
| BT | .000      | 5187.010 | 265.000  | 265.000  | 5202.010 | 270.000  | 270.000 | 270.000  | 270.000 | 5227.010 | 275.000  | 275.000  | .000 |
| BT | .000      | 5257.010 | 280.000  | 280.000  | 280.000  | .000     | .000    | .000     | .000    | .000     | .000     | .000     | .000 |
| GR | 280.000   | 4755.000 | 275.000  | 4775.000 | 270.000  | 4800.000 | 265.000 | 265.000  | 265.000 | 4835.000 | 264.230  | 5000.000 | .000 |
| GR | 261.650   | 5000.010 | 258.540  | 5004.000 | 258.350  | 5007.000 | 258.070 | 258.070  | 258.070 | 5010.000 | 257.950  | 5015.000 | .000 |
| GR | 258.350   | 5016.000 | 259.670  | 5018.000 | 262.670  | 5026.000 | 262.900 | 262.900  | 262.900 | 5032.000 | 265.480  | 5032.010 | .000 |
| GR | 265.000   | 5187.010 | 270.000  | 5202.010 | 275.000  | 5227.010 | 280.000 | 280.000  | 280.000 | 5257.010 | .000     | .000     | .000 |
| NH | 3.000     | .160     | 5000.000 | .055     | 5032.010 | .160     | .000    | 5257.010 | .000    | 9.110    | 4830.000 | 5180.000 | .000 |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000    | .000     | .000    | 9.110    | 4830.000 | 5180.000 | .000 |
| X1 | 99769.000 | .000     | .000     | .000     | 8.000    | 8.000    | 8.000   | 8.000    | 8.000   | .000     | .000     | .000     | .000 |
| X2 | .000      | .000     | .000     | .000     | .000     | .000     | .000    | .000     | .000    | .000     | .000     | .000     | .000 |
| NH | 3.000     | .160     | 5000.000 | .055     | 5032.010 | .160     | .000    | 5257.010 | .000    | 9.110    | 4830.000 | 5180.000 | .000 |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000    | .000     | .000    | 9.110    | 4830.000 | 5180.000 | .000 |
| X1 | 99770.000 | 17.000   | 5000.000 | 5032.010 | 1.000    | 1.000    | 1.000   | 1.000    | 1.000   | .000     | .000     | .000     | .000 |
| GR | 280.000   | 4755.000 | 275.000  | 4775.000 | 270.000  | 4800.000 | 265.000 | 265.000  | 265.000 | 4835.000 | 264.230  | 5000.000 | .000 |
| GR | 258.540   | 5004.000 | 258.350  | 5007.000 | 258.070  | 5010.000 | 257.950 | 257.950  | 257.950 | 5015.000 | 258.350  | 5016.000 | .000 |
| GR | 259.670   | 5018.000 | 262.670  | 5026.000 | 265.480  | 5032.010 | 265.000 | 265.000  | 265.000 | 5187.010 | 270.000  | 5202.010 | .000 |
| GR | 275.000   | 5227.010 | 280.000  | 5257.010 | .000     | .000     | .000    | .000     | .000    | .000     | .000     | .000     | .000 |
| NH | 3.000     | .160     | 5000.000 | .055     | 5032.010 | .160     | .000    | 5257.010 | .000    | 9.110    | 4830.000 | 5180.000 | .000 |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000    | .000     | .000    | 9.110    | 4830.000 | 5180.000 | .000 |

LAST X-SECTION FOR BRIDGE # 15, PRIVATE ACCESS RD.

|    |           |      |          |      |          |        |        |          |        |       |          |          |      |
|----|-----------|------|----------|------|----------|--------|--------|----------|--------|-------|----------|----------|------|
| X1 | 99795.000 | .000 | .000     | .000 | 25.000   | 55.000 | 25.000 | 25.000   | 25.000 | .000  | -3.340   | .000     | .000 |
| NH | .100      | .050 | .300     | .100 | .000     | .000   | .000   | .000     | .000   | .000  | .000     | .000     | .000 |
| NH | 3.000     | .170 | 5268.000 | .057 | 5288.000 | .170   | .000   | 5470.000 | .000   | .000  | .000     | .000     | .000 |
| ET | .000      | .000 | .000     | .000 | .000     | .000   | .000   | .000     | .000   | 9.110 | 5088.000 | 5368.000 | .000 |

X-SECTION GUJ

3

7

|    |           |          |          |          |          |          |          |          |          |          |
|----|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 99805.000 | 19.000   | 5268.000 | 5288.000 | 10.000   | 10.000   | 10.000   | .000     | .000     | .000     |
| X3 | 10.000    | .000     | .000     | .000     | .000     | .000     | .000     | 259.400  | 259.800  | .000     |
| GR | 280.000   | 5000.000 | 275.000  | 5030.000 | 270.000  | 5055.000 | 265.000  | 5090.000 | 260.000  | 5160.000 |
| GR | 258.700   | 5228.000 | 259.400  | 5253.000 | 259.400  | 5268.000 | 254.000  | 5269.000 | 253.500  | 5270.000 |
| GR | 253.500   | 5273.000 | 254.000  | 5277.000 | 259.800  | 5288.000 | 261.200  | 5313.000 | 260.000  | 5325.000 |
| GR | 265.000   | 5360.000 | 270.000  | 5400.000 | 275.000  | 5440.000 | 280.000  | 5470.000 | .000     | .000     |
| NH | 3.000     | .170     | 5015.000 | .057     | 5038.000 | .170     | 5130.000 | .000     | .000     | .000     |
| ET | .000      | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4905.000 | 5095.000 |

## X-SECTION GUJ 2

|    |            |          |          |          |          |          |          |          |          |          |
|----|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 100285.000 | 17.000   | 5015.000 | 5038.000 | 450.000  | 480.000  | 480.000  | .000     | .000     | .000     |
| GR | 280.000    | 4755.000 | 275.000  | 4775.000 | 270.000  | 4820.000 | 265.000  | 4960.000 | 260.000  | 5000.000 |
| GR | 259.600    | 5015.000 | 257.500  | 5016.000 | 256.200  | 5019.000 | 255.700  | 5025.000 | 256.400  | 5032.000 |
| GR | 258.000    | 5037.000 | 259.900  | 5038.000 | 260.000  | 5055.000 | 265.000  | 5075.000 | 270.000  | 5090.000 |
| GR | 275.000    | 5110.000 | 280.000  | 5130.000 | .000     | .000     | .000     | .000     | .000     | .000     |
| NH | 3.000      | .170     | 5000.010 | .057     | 5021.000 | .170     | 5221.000 | .000     | .000     | .000     |
| ET | .000       | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4911.000 | 5021.000 |

## FIRST X-SECTION FOR BRIDGE # 16, PRIVATE ACCESS RD.

|    |            |          |          |          |          |          |          |          |          |          |
|----|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 100413.000 | 21.000   | 5000.010 | 5021.000 | 128.000  | 128.000  | 128.000  | .000     | -1.070   | .000     |
| GR | 295.000    | 4650.000 | 290.000  | 4675.000 | 285.000  | 4710.000 | 280.000  | 4750.000 | 275.000  | 4785.000 |
| GR | 270.000    | 4940.000 | 268.560  | 5000.010 | 267.480  | 5004.000 | 264.810  | 5006.000 | 263.990  | 5009.000 |
| GR | 263.610    | 5010.000 | 263.600  | 5013.000 | 263.990  | 5015.000 | 266.640  | 5016.000 | 268.750  | 5018.500 |
| GR | 270.170    | 5021.000 | 275.000  | 5056.000 | 280.000  | 5111.000 | 285.000  | 5141.000 | 290.000  | 5181.000 |
| GR | 295.000    | 5221.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| NC | .000       | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000     | .000     |
| NH | 3.000      | .170     | 5000.010 | .057     | 5021.000 | .170     | 5221.000 | .000     | .000     | .000     |
| ET | .000       | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4931.000 | 5021.000 |
| X1 | 100480.000 | .000     | .000     | .000     | 67.000   | 67.000   | 67.000   | .000     | 1.070    | .000     |
| X3 | 10.000     | .000     | .000     | .000     | .000     | .000     | .000     | 269.650  | 271.080  | .000     |
| Nh | 3.000      | .170     | 5000.000 | .057     | 5021.010 | .170     | 5221.000 | .000     | .000     | .000     |
| ET | .000       | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4931.000 | 5021.000 |

## BRIDGE # 16, PRIVATE ACCESS RD.

|    |            |          |          |          |          |          |         |          |         |          |
|----|------------|----------|----------|----------|----------|----------|---------|----------|---------|----------|
| X1 | 100481.000 | 26.000   | 5000.000 | 5021.010 | 1.000    | 1.000    | 1.000   | .000     | .000    | .000     |
| BT | -26.000    | 4650.000 | 295.000  | 295.000  | 4675.000 | 290.000  | 290.000 | 4710.000 | 285.000 | 285.000  |
| BT | .000       | 4750.000 | 280.000  | 280.000  | 4785.000 | 275.000  | 275.000 | 4940.000 | 270.000 | 270.000  |
| BT | .000       | 5000.000 | 269.650  | 269.650  | 5000.010 | 269.650  | 268.560 | 5001.500 | 269.750 | 268.680  |
| BT | .000       | 5001.510 | 269.750  | 268.680  | 5004.000 | 269.920  | 268.960 | 5006.000 | 270.060 | 269.110  |
| BT | .000       | 5009.000 | 270.260  | 269.320  | 5010.000 | 270.330  | 269.390 | 5013.000 | 270.540 | 269.600  |
| BT | .000       | 5015.000 | 270.670  | 269.740  | 5016.000 | 270.740  | 269.810 | 5018.500 | 270.910 | 269.990  |
| BT | .000       | 5018.510 | 270.910  | 269.990  | 5021.000 | 271.080  | 270.170 | 5021.010 | 271.080 | 271.080  |
| BT | .000       | 5056.000 | 275.000  | 275.000  | 5111.000 | 280.000  | 280.000 | 5141.000 | 285.000 | 285.000  |
| BT | .000       | 5181.000 | 290.000  | 290.000  | 5221.000 | 295.000  | 295.000 | .000     | .000    | .000     |
| GR | 295.000    | 4650.000 | 290.000  | 4675.000 | 285.000  | 4710.000 | 280.000 | 4750.000 | 275.000 | 4785.000 |
| GR | 270.000    | 4940.000 | 269.650  | 5000.000 | 268.560  | 5000.010 | 268.680 | 5001.500 | 268.670 | 5001.510 |

|    |            |          |          |          |          |          |          |          |          |          |
|----|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| GR | 267.480    | 5004.000 | 264.810  | 5006.000 | 263.990  | 5009.000 | 263.610  | 5010.000 | 263.600  | 5013.000 |
| GR | 263.590    | 5015.000 | 266.640  | 5016.000 | 268.750  | 5018.500 | 269.990  | 5018.510 | 270.170  | 5021.000 |
| GR | 271.080    | 5021.010 | 275.000  | 5056.000 | 280.000  | 5111.000 | 285.000  | 5141.000 | 290.000  | 5181.000 |
| GR | 295.000    | 5221.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| NH | 3.000      | .170     | 5000.000 | .057     | 5021.010 | .170     | 5221.000 | .000     | .000     | .000     |
| ET | .000       | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4931.000 | 5021.000 |
| X1 | 100489.000 | .000     | .000     | .000     | 8.000    | 8.000    | 8.000    | .000     | .000     | .000     |
| X2 | .000       | .000     | .000     | .000     | .000     | .000     | 1.000    | .000     | .000     | .000     |
| NH | 3.000      | .170     | 5000.010 | .057     | 5021.000 | .160     | 5221.000 | .000     | .000     | .000     |
| ET | .000       | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4931.000 | 5021.000 |
| X1 | 100490.000 | 21.000   | 5000.010 | 5021.000 | 1.000    | 1.000    | 1.000    | .000     | .000     | .000     |
| X3 | 10.000     | .000     | .000     | .000     | .000     | .000     | .000     | 269.650  | 271.080  | .000     |
| GR | 295.000    | 4650.000 | 290.000  | 4675.000 | 285.000  | 4710.000 | 280.000  | 4750.000 | 275.000  | 4785.000 |
| GR | 270.000    | 4940.000 | 268.560  | 5000.010 | 267.480  | 5004.000 | 264.810  | 5006.000 | 263.990  | 5009.000 |
| GR | 263.610    | 5010.000 | 263.600  | 5013.000 | 263.990  | 5015.000 | 266.640  | 5016.000 | 268.750  | 5018.500 |
| GR | 270.170    | 5021.000 | 275.000  | 5056.000 | 280.000  | 5111.000 | 285.000  | 5141.000 | 290.000  | 5181.000 |
| GR | 295.000    | 5221.000 | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| NH | 3.000      | .170     | 5000.010 | .057     | 5021.000 | .160     | 5221.000 | .000     | .000     | .000     |
| ET | .000       | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4931.000 | 5021.000 |

## LAST X-SECTION FOR BRIDGE # 16, PRIVATE ACCESS RD.

|    |            |      |          |      |          |        |          |       |          |          |
|----|------------|------|----------|------|----------|--------|----------|-------|----------|----------|
| X1 | 100506.000 | .000 | .000     | .000 | 16.000   | 16.000 | 16.000   | .000  | .190     | .000     |
| NC | .100       | .100 | .050     | .100 | .300     | .000   | .000     | .000  | .000     | .000     |
| NH | 3.000      | .170 | 5000.000 | .057 | 5019.000 | .160   | 5211.000 | .000  | .000     | .000     |
| ET | .000       | .000 | .000     | .000 | .000     | .000   | .000     | 9.110 | 4938.000 | 5028.000 |

## FIRST X-SECTION FOR BRIDGE # 17, PRIVATE FOOT BRIDGE.

|    |            |          |          |          |          |          |          |          |          |          |
|----|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 100643.000 | 22.000   | 5000.000 | 5019.000 | 142.000  | 137.000  | 137.000  | .000     | .520     | .000     |
| GR | 300.000    | 4695.000 | 295.000  | 4715.000 | 290.000  | 4735.000 | 285.000  | 4765.000 | 280.000  | 4800.000 |
| GR | 275.000    | 4860.000 | 270.740  | 5000.000 | 270.140  | 5000.010 | 267.660  | 5002.000 | 265.740  | 5005.500 |
| GR | 265.580    | 5007.500 | 265.740  | 5010.500 | 267.090  | 5012.000 | 267.870  | 5014.000 | 268.470  | 5014.010 |
| GR | 269.960    | 5019.000 | 275.000  | 5046.000 | 280.000  | 5076.000 | 285.000  | 5136.000 | 290.000  | 5156.000 |
| GR | 295.000    | 5186.000 | 300.000  | 5211.000 | .000     | .000     | .000     | .000     | .000     | .000     |
| NC | .000       | .000     | .000     | .300     | .500     | .000     | .000     | .000     | .000     | .000     |
| NH | 3.000      | .170     | 5000.000 | .057     | 5019.000 | .160     | 5211.000 | .000     | .000     | .000     |
| ET | .000       | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4938.000 | 5028.000 |
| X1 | 100698.000 | .000     | .000     | .000     | 55.000   | 55.000   | 55.000   | .000     | .520     | .000     |
| X3 | 10.000     | .000     | .000     | .000     | .000     | .000     | .000     | 270.740  | 269.960  | .000     |
| NH | 3.000      | .170     | 5000.000 | .057     | 5019.000 | .160     | 5211.000 | .000     | .000     | .000     |
| ET | .000       | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 4938.000 | 5028.000 |









|    |         |          |         |          |          |          |         |          |         |          |
|----|---------|----------|---------|----------|----------|----------|---------|----------|---------|----------|
| BT | .000    | 5000.000 | 282.280 | 282.270  | 5010.000 | 281.840  | 279.750 | 5012.000 | 281.760 | 274.150  |
| BT | .000    | 5012.400 | 281.740 | 275.650  | 5013.500 | 281.690  | 276.750 | 5015.000 | 281.630 | 277.150  |
| BT | .000    | 5016.500 | 281.560 | 276.750  | 5017.600 | 281.510  | 275.650 | 5018.000 | 281.500 | 274.150  |
| BT | .000    | 5020.000 | 281.410 | 280.160  | 5025.000 | 281.190  | 281.190 | 5030.000 | 281.030 | 281.030  |
| BT | .000    | 5115.000 | 280.000 | 280.000  | 5180.000 | 285.000  | 285.000 | 5220.000 | 290.000 | 290.000  |
| BT | .000    | 5280.000 | 275.000 | 295.000  | 5320.000 | 300.000  | 300.000 | 5390.000 | 305.000 | 305.000  |
| BT | .000    | 5465.000 | 310.000 | 310.000  | .000     | .000     | .000    | .000     | .000    | .000     |
| GR | 310.000 | 4680.000 | 305.000 | 4700.000 | 300.000  | 4740.000 | 295.000 | 4820.000 | 290.000 | 4860.000 |
| GR | 285.000 | 4910.000 | 282.280 | 5000.000 | 279.750  | 5010.000 | 274.150 | 5012.000 | 272.650 | 5012.400 |
| GR | 271.550 | 5013.500 | 271.150 | 5015.000 | 271.550  | 5016.500 | 272.650 | 5017.600 | 274.150 | 5018.000 |
| GR | 280.160 | 5020.000 | 281.190 | 5025.000 | 281.030  | 5030.000 | 280.000 | 5115.000 | 285.000 | 5180.000 |
| GR | 290.000 | 5220.000 | 295.000 | 5280.000 | 300.000  | 5320.000 | 305.000 | 5390.000 | 310.000 | 5465.000 |

|    |       |      |          |      |          |      |          |       |          |          |
|----|-------|------|----------|------|----------|------|----------|-------|----------|----------|
| NH | 4.000 | .160 | 5000.000 | .052 | 5025.000 | .070 | 5115.000 | .160  | 5465.000 | .000     |
| ET | .000  | .000 | .000     | .000 | .000     | .000 | .000     | 9.110 | 5000.000 | 5090.000 |

## LAST X-SECTION FOR BRIDGE # 19, HIBRITEN RD./ HERMAN RD.

|    |            |          |          |          |         |          |         |          |         |          |
|----|------------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 101255.000 | 20.000   | 5000.000 | 5025.000 | 6.000   | 6.000    | 6.000   | .000     | .600    | .000     |
| X3 | 10.000     | .000     | .000     | .000     | .000    | .000     | .000    | 282.280  | 280.000 | .000     |
| GR | 310.000    | 4680.000 | 305.000  | 4700.000 | 300.000 | 4740.000 | 295.000 | 4820.000 | 290.000 | 4860.000 |
| GR | 285.000    | 4910.000 | 282.280  | 5000.000 | 274.150 | 5010.000 | 271.550 | 5013.500 | 271.150 | 5015.000 |
| GR | 271.550    | 5016.500 | 281.190  | 5025.000 | 281.030 | 5030.000 | 280.000 | 5115.000 | 285.000 | 5180.000 |
| GR | 290.000    | 5220.000 | 295.000  | 5280.000 | 300.000 | 5320.000 | 305.000 | 5390.000 | 310.000 | 5465.000 |

|    |       |      |          |      |          |      |          |       |          |          |
|----|-------|------|----------|------|----------|------|----------|-------|----------|----------|
| NC | .100  | .100 | .050     | .100 | .300     | .000 | .000     | .000  | .000     | .000     |
| NH | 4.000 | .160 | 5000.000 | .052 | 5025.000 | .070 | 5135.000 | .160  | 5460.000 | .000     |
| ET | .000  | .000 | .000     | .000 | .000     | .000 | .000     | 9.110 | 5000.000 | 5090.000 |

## FIRST X-SECTION FOR BRIDGE # 20, COMMERCIAL ACCESS RD.

|    |            |          |          |          |         |          |         |          |         |          |
|----|------------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 101276.000 | 19.000   | 5000.000 | 5025.000 | 21.000  | 21.000   | 21.000  | .000     | -1.020  | .000     |
| GR | 310.000    | 4710.000 | 305.000  | 4740.000 | 300.000 | 4775.000 | 295.000 | 4805.000 | 290.000 | 4855.000 |
| GR | 285.000    | 4895.000 | 280.990  | 5000.000 | 274.880 | 5009.900 | 273.780 | 5011.000 | 273.380 | 5012.500 |
| GR | 273.780    | 5014.000 | 280.710  | 5025.000 | 280.000 | 5135.000 | 285.000 | 5200.000 | 290.000 | 5240.000 |
| GR | 295.000    | 5290.000 | 300.000  | 5320.000 | 305.000 | 5390.000 | 310.000 | 5460.000 | .000    | .000     |

|    |            |      |          |      |          |        |          |       |          |          |
|----|------------|------|----------|------|----------|--------|----------|-------|----------|----------|
| NC | .000       | .000 | .000     | .300 | .500     | .000   | .000     | .000  | .000     | .000     |
| NH | 4.000      | .160 | 5000.000 | .052 | 5025.000 | .070   | 5135.000 | .160  | 5460.000 | .000     |
| ET | .000       | .000 | .000     | .000 | .000     | .000   | .000     | 9.110 | 5000.000 | 5090.000 |
| X1 | 101299.000 | .000 | .000     | .000 | 37.500   | 12.500 | 23.000   | .000  | 1.020    | .000     |

|    |       |      |          |      |          |      |          |       |          |          |
|----|-------|------|----------|------|----------|------|----------|-------|----------|----------|
| NH | 4.000 | .160 | 5000.000 | .052 | 5025.000 | .070 | 5135.000 | .160  | 5460.000 | .000     |
| ET | .000  | .000 | .000     | .000 | .000     | .000 | .000     | 9.110 | 5000.000 | 5090.000 |

## BRIDGE # 20, COMMERCIAL ACCESS RD.

|    |            |          |          |          |          |         |         |          |         |         |
|----|------------|----------|----------|----------|----------|---------|---------|----------|---------|---------|
| X1 | 101300.000 | 26.000   | 5000.000 | 5025.000 | 1.000    | 1.000   | 1.000   | .000     | .000    | .000    |
| BT | -26.000    | 4710.000 | 310.000  | 310.000  | 4740.000 | 305.000 | 305.000 | 4775.000 | 300.000 | 300.000 |
| BT | .000       | 4805.000 | 295.000  | 295.000  | 4855.000 | 290.000 | 290.000 | 4895.000 | 285.000 | 285.000 |
| BT | .000       | 5000.000 | 280.990  | 280.990  | 5009.500 | 280.990 | 276.380 | 5009.900 | 280.990 | 277.880 |
| BT | .000       | 5011.000 | 280.990  | 278.980  | 5012.500 | 280.990 | 279.380 | 5014.000 | 280.990 | 278.980 |
| BT | .000       | 5015.100 | 280.990  | 277.880  | 5015.500 | 280.990 | 276.380 | 5015.510 | 280.990 | 275.180 |
| BT | .000       | 5022.000 | 280.990  | 278.340  | 5023.000 | 280.990 | 280.240 | 5023.010 | 280.990 | 280.990 |

|    |         |          |         |          |          |          |         |          |         |          |
|----|---------|----------|---------|----------|----------|----------|---------|----------|---------|----------|
| BT | .000    | 5025.000 | 280.710 | 280.710  | 5135.000 | 280.000  | 280.000 | 5200.000 | 285.000 | 285.000  |
| BT | .000    | 5240.000 | 290.000 | 290.000  | 5290.000 | 295.000  | 295.000 | 5320.000 | 300.000 | 300.000  |
| BT | .000    | 5390.000 | 305.000 | 305.000  | 5460.000 | 310.000  | 310.000 | .000     | .000    | .000     |
| GR | 310.000 | 4710.000 | 305.000 | 4740.000 | 300.000  | 4775.000 | 295.000 | 4805.000 | 290.000 | 4855.000 |
| GR | 285.000 | 4895.000 | 280.990 | 5000.000 | 276.380  | 5009.500 | 274.880 | 5009.900 | 273.780 | 5011.000 |
| GR | 273.380 | 5012.500 | 273.780 | 5014.000 | 274.880  | 5015.100 | 274.380 | 5015.500 | 275.180 | 5015.510 |
| GR | 278.340 | 5022.000 | 280.240 | 5023.000 | 280.990  | 5023.010 | 280.710 | 5025.000 | 280.000 | 5135.000 |
| GR | 285.000 | 5200.000 | 290.000 | 5240.000 | 295.000  | 5290.000 | 300.000 | 5320.000 | 305.000 | 5390.000 |
| GR | 310.000 | 5460.000 | .000    | .000     | .000     | .000     | .000    | .000     | .000    | .000     |

|    |            |      |          |      |          |        |          |       |          |          |
|----|------------|------|----------|------|----------|--------|----------|-------|----------|----------|
| NH | 4.000      | .075 | 5000.000 | .052 | 5025.000 | .080   | 5135.000 | .160  | 5460.000 | .000     |
| ET | .000       | .000 | .000     | .000 | .000     | .000   | .000     | 9.110 | 5000.000 | 5090.000 |
| X1 | 101330.000 | .000 | .000     | .000 | 30.000   | 30.000 | 30.000   | .000  | .000     | .000     |
| X2 | .000       | .000 | .000     | .000 | .000     | .000   | 1.000    | .000  | .000     | .000     |

|    |            |          |          |          |          |          |          |          |          |          |
|----|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| NH | 4.000      | .075     | 5000.000 | .052     | 5025.000 | .080     | 5135.000 | .160     | 5460.000 | .000     |
| ET | .000       | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 5000.000 | 5090.000 |
| X1 | 101331.000 | 19.000   | 5000.000 | 5025.000 | 1.000    | 1.000    | 1.000    | .000     | .000     | .000     |
| GR | 310.000    | 4710.000 | 305.000  | 4740.000 | 300.000  | 4775.000 | 295.000  | 4805.000 | 290.000  | 4855.000 |
| GR | 285.000    | 4895.000 | 280.990  | 5000.000 | 274.880  | 5009.900 | 273.780  | 5011.000 | 273.380  | 5012.500 |
| GR | 273.780    | 5014.000 | 280.710  | 5025.000 | 280.000  | 5135.000 | 285.000  | 5200.000 | 290.000  | 5240.000 |
| GR | 295.000    | 5290.000 | 300.000  | 5320.000 | 305.000  | 5390.000 | 310.000  | 5460.000 | .000     | .000     |

|    |      |      |      |      |      |      |      |       |          |          |
|----|------|------|------|------|------|------|------|-------|----------|----------|
| ET | .000 | .000 | .000 | .000 | .000 | .000 | .000 | 9.110 | 5000.000 | 5090.000 |
|----|------|------|------|------|------|------|------|-------|----------|----------|

LAST X-SECTION FOR BRIDGE # 20, COMMERCIAL ACCESS RD.

|    |            |      |          |      |          |       |          |       |          |          |
|----|------------|------|----------|------|----------|-------|----------|-------|----------|----------|
| X1 | 101336.000 | .000 | .000     | .000 | 5.000    | 5.000 | 5.000    | .000  | .420     | .000     |
| NC | .100       | .100 | .050     | .100 | .300     | .000  | .000     | .000  | .000     | .000     |
| NH | 5.000      | .170 | 4820.000 | .075 | 5000.000 | .052  | 5013.020 | .070  | 5088.000 | .160     |
| NH | 5358.000   | .000 | .000     | .000 | .000     | .000  | .000     | .000  | .000     | .000     |
| ET | .000       | .000 | .000     | .000 | .000     | .000  | .000     | 9.110 | 5000.000 | 5090.000 |

FIRST X-SECTION FOR BRIDGE # 21, COMMERCIAL ACCESS RD. (PARKING)

|    |            |          |          |          |         |          |         |          |         |          |
|----|------------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 101356.000 | 19.000   | 5000.000 | 5013.020 | 20.000  | 20.000   | 20.000  | .000     | .890    | .000     |
| GR | 310.000    | 4665.000 | 305.000  | 4690.000 | 300.000 | 4715.000 | 295.000 | 4770.000 | 290.000 | 4780.000 |
| GR | 285.000    | 4820.000 | 281.600  | 5000.000 | 276.590 | 5003.400 | 275.490 | 5004.500 | 275.090 | 5006.000 |
| GR | 275.490    | 5007.500 | 281.660  | 5013.020 | 280.000 | 5088.000 | 285.000 | 5208.000 | 290.000 | 5243.000 |
| GR | 295.000    | 5263.000 | 300.000  | 5283.000 | 305.000 | 5323.000 | 310.000 | 5358.000 | .000    | .000     |

|    |            |      |          |      |          |        |          |       |          |          |
|----|------------|------|----------|------|----------|--------|----------|-------|----------|----------|
| NC | .000       | .000 | .000     | .300 | .500     | .000   | .000     | .000  | .000     | .000     |
| NH | 5.000      | .170 | 4820.000 | .075 | 5000.000 | .052   | 5013.020 | .070  | 5088.000 | .160     |
| NH | 5358.000   | .000 | .000     | .000 | .000     | .000   | .000     | .000  | .000     | .000     |
| ET | .000       | .000 | .000     | .000 | .000     | .000   | .000     | 9.110 | 5000.000 | 5090.000 |
| X1 | 101379.000 | .000 | .000     | .000 | 18.000   | 28.000 | 23.000   | .000  | .890     | .000     |

|    |          |      |          |      |          |      |          |       |          |          |
|----|----------|------|----------|------|----------|------|----------|-------|----------|----------|
| NH | 5.000    | .170 | 4820.000 | .075 | 5000.000 | .052 | 5013.020 | .070  | 5088.000 | .160     |
| NH | 5358.000 | .000 | .000     | .000 | .000     | .000 | .000     | .000  | .000     | .000     |
| ET | .000     | .000 | .000     | .000 | .000     | .000 | .000     | 9.110 | 5000.000 | 5090.000 |

BRIDGE # 21, COMMERCIAL ACCESS RD. (PARKING)

|    |            |          |          |          |          |          |          |          |          |          |          |          |          |
|----|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| X1 | 101380.000 | 27.000   | 5060.000 | 5013.020 | 1.000    | 1.000    | 1.000    | 1.000    | 1.000    | 4715.000 | 300.000  | 300.000  | .000     |
| BT | -27.000    | 4665.000 | 310.000  | 310.000  | 4690.000 | 305.000  | 305.000  | 305.000  | 305.000  | 4820.000 | 285.000  | 285.000  | 300.000  |
| BT | .000       | 4770.000 | 295.000  | 295.000  | 4780.000 | 290.000  | 290.000  | 290.000  | 290.000  | 5003.000 | 281.600  | 281.600  | 278.090  |
| BT | .000       | 5000.000 | 281.600  | 281.600  | 5000.010 | 281.600  | 281.600  | 281.600  | 281.600  | 5006.000 | 281.630  | 281.630  | 281.090  |
| BT | .000       | 5003.400 | 281.620  | 279.590  | 5004.500 | 281.620  | 281.620  | 281.620  | 281.620  | 5009.000 | 281.640  | 281.640  | 278.090  |
| BT | .000       | 5007.500 | 281.630  | 280.690  | 5008.600 | 281.630  | 281.630  | 281.630  | 281.630  | 5013.000 | 281.660  | 281.660  | 281.720  |
| BT | .000       | 5009.010 | 281.640  | 277.230  | 5012.000 | 281.640  | 281.640  | 281.640  | 281.640  | 5088.000 | 280.000  | 280.000  | 280.000  |
| BT | .000       | 5013.010 | 281.660  | 281.120  | 5013.020 | 281.660  | 281.660  | 281.660  | 281.660  | 5263.000 | 295.000  | 295.000  | 295.000  |
| BT | .000       | 5208.000 | 285.000  | 285.000  | 5243.000 | 290.000  | 290.000  | 290.000  | 290.000  | 5358.000 | 310.000  | 310.000  | 310.000  |
| BT | .000       | 5283.000 | 300.000  | 300.000  | 5323.000 | 305.000  | 305.000  | 305.000  | 305.000  | 4770.000 | 4700.000 | 4700.000 | 4700.000 |
| GR | 310.000    | 4665.000 | 305.000  | 4690.000 | 300.000  | 4715.000 | 295.000  | 295.000  | 295.000  | 5003.000 | 276.590  | 276.590  | 5003.400 |
| GR | 285.000    | 4820.000 | 281.600  | 5000.000 | 279.330  | 5000.010 | 5007.500 | 276.590  | 276.590  | 5008.600 | 278.090  | 278.090  | 5009.000 |
| GR | 275.490    | 5004.500 | 275.090  | 5006.000 | 273.490  | 5007.500 | 276.590  | 276.590  | 276.590  | 5013.010 | 281.660  | 281.660  | 5013.020 |
| GR | 277.230    | 5009.010 | 278.200  | 5012.000 | 281.120  | 5013.000 | 281.120  | 281.120  | 281.120  | 5263.000 | 300.000  | 300.000  | 5283.000 |
| GR | 280.000    | 5008.000 | 285.000  | 5208.000 | 290.000  | 5243.000 | 295.000  | 295.000  | 295.000  | 5088.000 | 5088.000 | 5088.000 | 5088.000 |
| GR | 305.000    | 5323.000 | 310.000  | 5358.000 | .000     | .052     | 5013.020 | 5013.020 | 5013.020 | .070     | .160     | .160     | .160     |
| NH | 5.000      | .160     | 4820.000 | .075     | 5000.000 | .052     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| NH | 5358.000   | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 5000.000 | 5090.000 | 5090.000 |
| ET | .000       | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| X1 | 101420.000 | .000     | .000     | .000     | 40.000   | 40.000   | 40.000   | 40.000   | 40.000   | .000     | .000     | .000     | .000     |
| X2 | .000       | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |

|    |            |          |          |          |          |          |          |          |          |          |          |          |          |
|----|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| NH | 5.000      | .160     | 4820.000 | .075     | 5000.000 | .052     | 5013.020 | 5013.020 | 5013.020 | .070     | .160     | .160     | .160     |
| NH | 5358.000   | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 5000.000 | 5090.000 | 5090.000 |
| ET | .000       | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |
| X1 | 101421.000 | 19.000   | 5000.000 | 5013.020 | 1.000    | 1.000    | 1.000    | 1.000    | 1.000    | 4770.000 | 290.000  | 290.000  | 4780.000 |
| GR | 310.000    | 4665.000 | 305.000  | 4690.000 | 300.000  | 4715.000 | 295.000  | 295.000  | 295.000  | 5004.500 | 275.090  | 275.090  | 5006.000 |
| GR | 285.000    | 4820.000 | 281.600  | 5000.000 | 276.590  | 5007.500 | 276.590  | 276.590  | 276.590  | 5208.000 | 290.000  | 290.000  | 5243.000 |
| GR | 275.490    | 5007.500 | 281.660  | 5013.020 | 285.000  | 5088.000 | 285.000  | 285.000  | 285.000  | 5358.000 | 5088.000 | 5088.000 | 5088.000 |
| GR | 295.000    | 5263.000 | 300.000  | 5283.000 | 305.000  | 5323.000 | 310.000  | 310.000  | 310.000  | .070     | .160     | .160     | .160     |
| NH | 5.000      | .160     | 4820.000 | .075     | 5000.000 | .052     | 5013.020 | 5013.020 | 5013.020 | .000     | .000     | .000     | .000     |
| NH | 5358.000   | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | 9.110    | 5000.000 | 5090.000 | 5090.000 |
| ET | .000       | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     | .000     |

LAST X-SECTION FOR BRIDGE # 21, COMMERCIAL ACCESS RD. (PARKING)

|    |            |      |          |      |          |       |          |          |          |       |          |          |          |
|----|------------|------|----------|------|----------|-------|----------|----------|----------|-------|----------|----------|----------|
| X1 | 101426.000 | .000 | .000     | .000 | 5.000    | 5.000 | 5.000    | 5.000    | 5.000    | .000  | .440     | .000     | .000     |
| NC | .100       | .100 | .050     | .100 | .300     | .000  | .000     | .000     | .000     | .000  | .000     | .000     | .000     |
| NH | 3.000      | .160 | 5558.000 | .052 | 5583.000 | .160  | 6070.000 | 6070.000 | 6070.000 | .000  | .000     | .000     | .000     |
| ET | .000       | .000 | .000     | .000 | .000     | .000  | .000     | .000     | .000     | 9.110 | 5550.000 | 5640.000 | 5640.000 |

X-SECTION GUK

|    |            |          |          |          |         |          |         |         |         |          |         |         |          |
|----|------------|----------|----------|----------|---------|----------|---------|---------|---------|----------|---------|---------|----------|
| X1 | 101910.000 | 28.000   | 5558.000 | 5583.000 | 454.000 | 524.000  | 485.000 | 485.000 | 485.000 | .000     | .000    | .000    | .000     |
| GR | 345.000    | 5000.000 | 340.000  | 5050.000 | 335.000 | 5105.000 | 330.000 | 330.000 | 330.000 | 5140.000 | 325.000 | 325.000 | 5180.000 |
| GR | 320.000    | 5200.000 | 315.000  | 5235.000 | 310.000 | 5260.000 | 305.000 | 305.000 | 305.000 | 5300.000 | 300.000 | 300.000 | 5370.000 |
| GR | 295.000    | 5425.000 | 291.500  | 5500.000 | 291.000 | 5528.000 | 289.300 | 289.300 | 289.300 | 5553.000 | 289.600 | 289.600 | 5558.000 |
| GR | 284.500    | 5568.000 | 284.000  | 5568.010 | 283.800 | 5571.000 | 284.000 | 284.000 | 284.000 | 5572.000 | 284.800 | 284.800 | 5575.000 |

