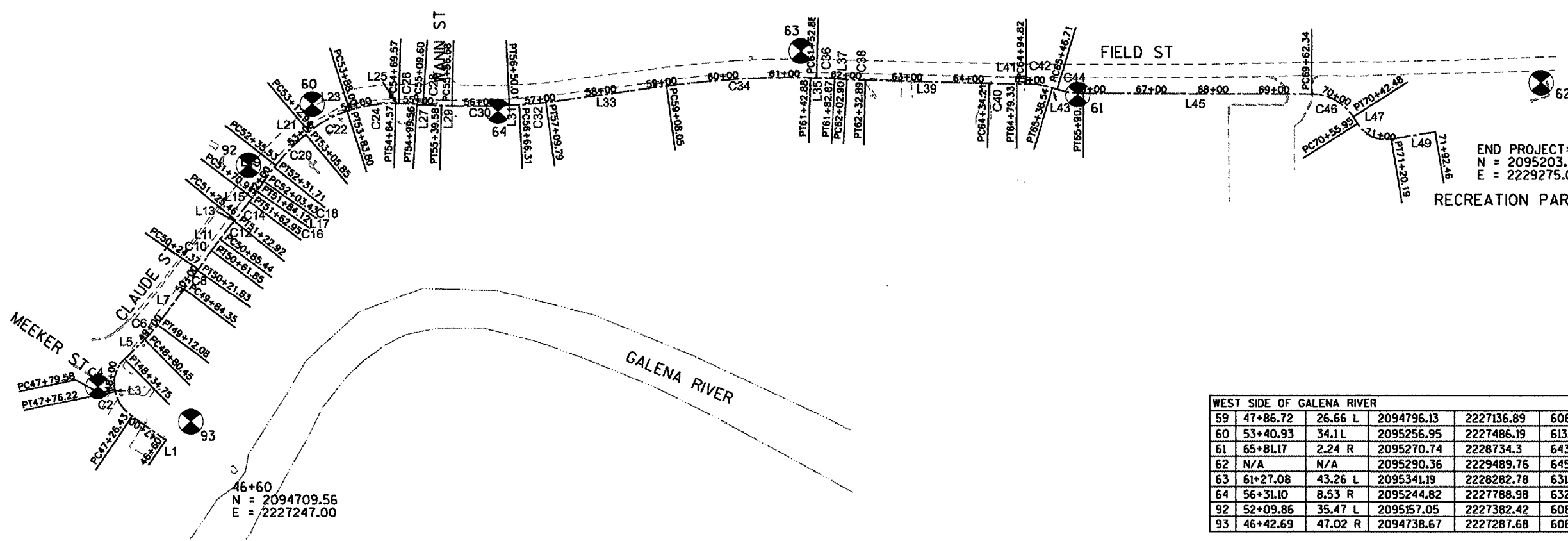


85417



END PROJECT=71+50  
 N = 2095203.17  
 E = 2229275.08



| WEST SIDE OF GALENA RIVER |          |         |            |            |        |
|---------------------------|----------|---------|------------|------------|--------|
| 59                        | 47+86.72 | 26.66 L | 2094796.13 | 2227136.89 | 606.21 |
| 60                        | 53+40.93 | 34.1 L  | 2095256.95 | 2227486.19 | 613.5  |
| 61                        | 65+81.17 | 2.24 R  | 2095270.74 | 2228734.3  | 643.08 |
| 62                        | N/A      | N/A     | 2095290.36 | 2229489.76 | 645.52 |
| 63                        | 61+27.08 | 43.26 L | 2095341.19 | 2228282.78 | 631.8  |
| 64                        | 56+31.10 | 8.53 R  | 2095244.82 | 2227788.98 | 632.78 |
| 92                        | 52+09.86 | 35.47 L | 2095157.05 | 2227382.42 | 608.44 |
| 93                        | 46+42.69 | 47.02 R | 2094738.67 | 2227287.68 | 606.9  |

PLAN  
 SUPERSEDED  
 PLOTTED  
 ALIGNED  
 CHECKED  
 RECORDED  
 NO. \_\_\_\_\_  
 DATE \_\_\_\_\_

PROFILE  
 SUPERSEDED  
 PLOTTED  
 GRADES  
 CHECKED  
 STRUCTURE  
 NOTATIONS  
 OK'D  
 NO. \_\_\_\_\_  
 DATE \_\_\_\_\_

DATE 12/13/2007  
 FILE NAME C:\Users\jguy\My Documents\85417\85417.dwg  
 PLOT SCALE 1"=50'

| ITEM | CONTROL POINT | STATION  | NORTHING   | EASTING    | Direction   | Distance | Arc Length | Radius  | Chord Length | Chord Bearing | Delta Angle |
|------|---------------|----------|------------|------------|-------------|----------|------------|---------|--------------|---------------|-------------|
| L1   | BOB           | 45+63.00 | 2094654.81 | 2227326.79 | N55°32'38"W | 163.43   |            |         |              |               |             |
|      | PC            | 47+26.43 | 2094747.27 | 2227192.03 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2094800.87 | 2227228.81 |             |          | 49.79      | 65.00   | 48.58        | N33°36'06"W   | 43°53'05"   |
| C2   | PI            | 47+52.62 | 2094762.09 | 2227170.44 |             |          |            |         |              |               |             |
| L3   | PT            | 47+76.22 | 2094787.74 | 2227165.15 | N11°39'33"W | 3.36     |            |         |              |               |             |
|      | PC            | 47+79.58 | 2094791.03 | 2227164.47 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2094802.14 | 2227218.33 |             |          | 55.17      | 55.00   | 52.89        | N17°04'42"E   | 57°28'31"   |
| C4   | PI            | 48+09.74 | 2094820.57 | 2227158.37 |             |          |            |         |              |               |             |
| L5   | PT            | 48+34.75 | 2094841.59 | 2227180.00 | N45°48'57"E | 45.70    |            |         |              |               |             |
|      | PC            | 48+80.45 | 2094873.44 | 2227212.77 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2095016.86 | 2227073.38 |             |          | 31.63      | 200.00  | 31.60        | N41°17'06"E   | 09°03'43"   |
| C6   | PI            | 48+96.30 | 2094884.48 | 2227224.14 |             |          |            |         |              |               |             |
| L7   | PT            | 49+12.08 | 2094897.18 | 2227233.62 | N36°45'15"E | 72.27    |            |         |              |               |             |
|      | PC            | 49+84.35 | 2094955.08 | 2227276.86 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2095553.46 | 2226475.65 |             |          | 37.48      | 1000.00 | 37.48        | N35°40'49"E   | 02°08'51"   |
| C8   | PI            | 50+03.09 | 2094970.10 | 2227288.08 |             |          |            |         |              |               |             |
| L9   | PT            | 50+21.83 | 2094985.53 | 2227298.73 | N34°36'23"E | 2.54     |            |         |              |               |             |
|      | PC            | 50+24.37 | 2094987.62 | 2227300.17 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2094419.68 | 2228123.24 |             |          | 37.48      | 1000.00 | 37.48        | N35°40'49"E   | 02°08'51"   |
| C10  | PI            | 50+43.12 | 2095003.04 | 2227310.81 |             |          |            |         |              |               |             |
| L11  | PT            | 50+61.85 | 2095018.06 | 2227322.03 | N36°45'15"E | 23.58    |            |         |              |               |             |
|      | PC            | 50+85.44 | 2095036.96 | 2227336.14 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2094438.58 | 2228137.35 |             |          | 37.48      | 1000.00 | 37.48        | N37°49'40"E   | 02°08'51"   |
| C12  | PI            | 51+04.18 | 2095051.98 | 2227347.36 |             |          |            |         |              |               |             |
| L13  | PT            | 51+22.92 | 2095066.56 | 2227359.13 | N38°54'06"E | 2.54     |            |         |              |               |             |
|      | PC            | 51+25.46 | 2095068.54 | 2227360.72 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2095696.52 | 2226582.50 |             |          | 37.48      | 1000.00 | 37.48        | N37°49'40"E   | 02°08'51"   |
| C14  | PI            | 51+44.21 | 2095083.13 | 2227372.49 |             |          |            |         |              |               |             |
| L15  | PT            | 51+62.95 | 2095098.14 | 2227383.71 | N36°45'15"E | 7.96     |            |         |              |               |             |
|      | PC            | 51+70.91 | 2095104.52 | 2227388.47 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2095403.71 | 2226987.87 |             |          | 13.21      | 500.00  | 13.21        | N35°59'50"E   | 01°30'49"   |
| C16  | PI            | 51+77.51 | 2095109.81 | 2227392.43 |             |          |            |         |              |               |             |
| L17  | PT            | 51+84.12 | 2095115.21 | 2227396.24 | N35°14'25"E | 19.32    |            |         |              |               |             |
|      | PC            | 52+03.43 | 2095130.99 | 2227407.38 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2094842.48 | 2227815.75 |             |          | 28.28      | 500.00  | 28.27        | N36°51'38"E   | 03°14'25"   |
| C18  | PI            | 52+17.58 | 2095142.54 | 2227415.54 |             |          |            |         |              |               |             |
| L19  | PT            | 52+31.71 | 2095153.61 | 2227424.34 | N38°28'50"E | 3.82     |            |         |              |               |             |
|      | PC            | 52+35.53 | 2095156.59 | 2227426.72 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2094937.71 | 2227702.08 |             |          | 70.32      | 351.76  | 70.20        | N44°12'27"E   | 11°27'15"   |
| C20  | PI            | 52+70.80 | 2095184.21 | 2227448.67 |             |          |            |         |              |               |             |
| L21  | PT            | 53+05.85 | 2095206.92 | 2227475.67 | N49°56'05"E | 7.09     |            |         |              |               |             |
|      | PC            | 53+12.94 | 2095211.48 | 2227481.10 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2095073.73 | 2227596.96 |             |          | 70.86      | 180.00  | 70.40        | N61°12'45"E   | 22°33'21"   |
| C22  | PI            | 53+48.84 | 2095234.59 | 2227508.57 |             |          |            |         |              |               |             |
| L23  | PT            | 53+83.80 | 2095245.39 | 2227542.80 | N72°29'26"E | 4.19     |            |         |              |               |             |
|      | PC            | 53+88.00 | 2095246.65 | 2227546.80 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2095027.31 | 2227616.00 |             |          | 76.57      | 230.00  | 76.22        | N82°01'41"E   | 19°04'31"   |
| C24  | PI            | 54+26.64 | 2095258.28 | 2227583.65 |             |          |            |         |              |               |             |
| L25  | PT            | 54+64.57 | 2095257.22 | 2227622.29 | S88°26'03"E | 5.01     |            |         |              |               |             |
|      | PC            | 54+69.57 | 2095257.08 | 2227627.29 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2094457.38 | 2227605.43 |             |          | 29.99      | 800.00  | 29.98        | S87°21'38"E   | 02°08'51"   |
| C26  | PI            | 54+84.57 | 2095258.67 | 2227642.28 |             |          |            |         |              |               |             |
| L27  | PT            | 54+99.56 | 2095255.70 | 2227657.24 | S86°17'12"E | 10.04    |            |         |              |               |             |
|      | PC            | 55+09.60 | 2095255.05 | 2227667.26 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2096053.37 | 2227719.07 |             |          | 29.99      | 800.00  | 29.98        | S87°21'38"E   | 02°08'51"   |
| C28  | PI            | 55+24.59 | 2095254.08 | 2227682.22 |             |          |            |         |              |               |             |

| ITEM | CONTROL POINT | STATION  | NORTHING   | EASTING    | Direction   | Distance | Arc Length | Radius  | Chord Length | Chord Bearing | Delta Angle |
|------|---------------|----------|------------|------------|-------------|----------|------------|---------|--------------|---------------|-------------|
| L29  | PT            | 55+39.58 | 2095253.67 | 2227697.21 | S88°26'03"E | 17.10    |            |         |              |               |             |
|      | PC            | 55+56.68 | 2095253.20 | 2227714.30 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 209524.23  | 2227749.04 |             |          | 93.33      | 1271.50 | 93.31        | N89°27'46"E   | 04°12'21"   |
| C30  | PI            | 56+03.37 | 2095251.93 | 2227760.97 |             |          |            |         |              |               |             |
| L31  | PT            | 56+50.01 | 2095254.08 | 2227807.61 | N87°21'36"E | 16.29    |            |         |              |               |             |
|      | PC            | 56+66.31 | 2095254.83 | 2227823.89 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2095754.30 | 2227800.86 |             |          | 43.48      | 500.00  | 43.47        | N84°52'08"E   | 04°58'57"   |
| C32  | PI            | 56+88.06 | 2095255.83 | 2227845.62 |             |          |            |         |              |               |             |
| L33  | PT            | 57+09.79 | 2095258.72 | 2227867.18 | N82°22'39"E | 198.26   |            |         |              |               |             |
|      | PC            | 59+08.05 | 2095285.02 | 2228063.69 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2093818.09 | 2228260.01 |             |          | 234.82     | 1480.00 | 234.58       | N86°55'23"E   | 09°05'27"   |
| C34  | PI            | 60+25.71 | 2095300.62 | 2228180.31 |             |          |            |         |              |               |             |
| L35  | PT            | 61+42.88 | 2095297.61 | 2228297.93 | S88°31'54"E | 10.00    |            |         |              |               |             |
|      | PC            | 61+52.88 | 2095297.35 | 2228307.93 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2094297.68 | 2228282.31 |             |          | 29.99      | 1000.00 | 29.99        | S87°40'21"E   | 01°43'06"   |
| C36  | PI            | 61+67.88 | 2095296.97 | 2228322.92 |             |          |            |         |              |               |             |
| L37  | PT            | 61+82.87 | 2095296.13 | 2228337.90 | S86°48'48"E | 20.03    |            |         |              |               |             |
|      | PC            | 62+02.90 | 2095295.02 | 2228357.89 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2096293.47 | 2228413.48 |             |          | 29.99      | 1000.00 | 29.99        | S87°40'21"E   | 01°43'06"   |
| C38  | PI            | 62+17.90 | 2095294.19 | 2228372.87 |             |          |            |         |              |               |             |
| L39  | PT            | 62+32.89 | 2095293.80 | 2228387.86 | S88°31'54"E | 201.31   |            |         |              |               |             |
|      | PC            | 64+34.21 | 2095288.64 | 2228589.11 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2097287.99 | 2228640.36 |             |          | 45.12      | 2000.00 | 45.12        | S89°10'41"E   | 01°17'34"   |
| C40  | PI            | 64+56.77 | 2095288.07 | 2228611.66 |             |          |            |         |              |               |             |
| L41  | PT            | 64+79.33 | 2095288.00 | 2228634.22 | S89°49'27"E | 15.49    |            |         |              |               |             |
|      | PC            | 64+94.82 | 2095287.95 | 2228648.72 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2095137.95 | 2228649.26 |             |          | 43.72      | 150.00  | 43.56        | S81°28'29"E   | 16°41'57"   |
| C42  | PI            | 65+16.84 | 2095287.88 | 2228671.73 |             |          |            |         |              |               |             |
| L43  | PT            | 65+38.54 | 2095281.49 | 2228692.80 | S75°07'30"E | 8.17     |            |         |              |               |             |
|      | PC            | 65+46.71 | 2095279.12 | 2228700.62 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2095422.66 | 2228744.16 |             |          | 43.72      | 150.00  | 43.56        | S81°28'29"E   | 16°41'57"   |
| C44  | PI            | 65+68.73 | 2095272.73 | 2228721.69 |             |          |            |         |              |               |             |
| L45  | PT            | 65+90.43 | 2095272.66 | 2228743.70 | S89°49'27"E | 371.92   |            |         |              |               |             |
|      | PC            | 69+62.34 | 2095271.52 | 2229115.61 |             |          |            |         |              |               |             |
|      | Radius        | N/A      | 2095191.52 | 2229115.37 |             |          | 80.13      | 80.00   | 76.82        | S61°07'45"E   | 57°23'25"   |
| C46  | PI            | 70+06.13 | 2095271.39 | 2229159.40 |             |          |            |         |              |               |             |
| L47  | PT            | 70+42.48 | 2095234.43 | 2229182.89 | S32°26'02"E | 13.47    |            |         |              |               |             |
|      | PC            | 70+55.95 |            |            |             |          |            |         |              |               |             |