8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-1

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

100

104.42

11+50.00

104.26

11+00.00

104.31

10+50.00

104.32

10+00.00

-L REV-

SYSTIME$$DATE$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-2

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

USE EXIST. CROSS SLOPE

104.12

USE EXIST. CROSS SLOPE

100

103.95

100

14+00.00

104.29

100

104.12

100

13+50.00

104.33

USE EXIST. CROSS SLOPE

USE EXIST. CROSS SLOPE

100

104.16

100

13+00.00

100

104.14

100

12+50.00

100

104.15

100

12+00.00

-L- REV-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYSTEM 6 DESIGN SHEET

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-3

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

100

101.56

NC NC

101.15

3:1 2:1

98.2

16+50.00

102.38

101.97

99.2

16+00.00

103.03

102.63

99.8

15+50.00

NC 103.60 NC

103.27

3:1

100.8

15+00.00

104.03

USE EXIST. CROSS SLOPE

USE EXIST. CROSS SLOPE

103.73

4:1

101.1

14+50.00

-L-REV-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-4

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

97.19

NC NC

96.64

3:1 2:1

92.9

19+00.00

98.02

100 100

3:1

95.7 97.44

94.1

18+50.00

98.91

100 100

98.34

95.0

18+00.00

99.82

100 100

99.30

96.0

17+50.00

100.73

NC NC

100 100

100.29

3:1 2:1

97.2

17+00.00

-L REV-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYSTEM ENGINEERING

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-5

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

93.90

NC NC 3:1 2:1

93.32 89.5

90 90

21+50.00

94.69

3.5:1 2:1

93.97 90.5

90 90

21+00.00

95.33

4:1 2:1

94.65 91.2

90 90

20+50.00

95.77

4:1 2:1

95.22 92.1

90 90

20+00.00

96.41

NC NC 3.5:1 2:1

95.95 92.4

90 90

19+50.00

-L- REV-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYSTIME$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-6

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

90.78

NC NC

90 90

90.17

3% 2%

86.9

24+00.00

91.40

90 90

90.78

87.5

23+50.00

92.03

90 90

91.40

87.8

23+00.00

92.68

90 90

92.08

88.4

22+50.00

93.32

NC NC

90 90

92.70

3% 2%

89.1

22+00.00

-L-REV-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYSTEM ELEMENTS $$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-7

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

NC 89.89 NC

-Y1-

89.27

26+50.00

89.26

-Y1-

88.60

26+00.00

89.58

90 90

88.94

25+50.00

89.87

90 90

3:1

2:1

89.28

85.0

25+00.00

NC 90.30 NC

90 90

3:1

2:1

89.65

86.0

24+50.00

-L-REV-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYSTIME 08/23/99 09:52:45 JOB# 35881

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-8

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

NC 87.52 NC

3:1 2:1

86.97 82.4

29+00.00

87.78

87.27 82.7

28+50.00

88.09

87.56 83.0

28+00.00

88.31

87.80 83.3

27+50.00

NC 88.68 NC

VAR 3:1

88.08 83.6 2:1

27+00.00

-L- REV

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYSTEM$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-9

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

87.09

NC

NC

3:1

86.41

80

80

79.6

2%

31+50.00

87.12

3:1

86.47

80

80

80.1

31+00.00

87.14

3:1

86.51

80.6

80.6

30+50.00

87.18

86.53

80.9

30+00.00

87.24

NC

NC

3:1

86.73

2%

81.8

29+50.00

-L- REV-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

$$$$SYSTIME$$$$
$$$$ENGSEED$$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-10

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

NC 87.72 NC

87.17 3:1 2:1

82.0

34+00.00

87.39

86.80

81.0

33+50.00

87.21

86.59

80.0

33+00.00

86.99

80 86.30 80

79.0

32+50.00

NC 87.01 NC

80 86.35 80

3:1 2:1

79.0

32+00.00

-L- REV

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-11

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

90

NC 91.04 NC

4V

90.42

90.15

36+50.00

90.25

90

4V

89.61

36+00.00

89.53

90

88.84

35+50.00

88.72

88.18

83.5

35+00.00

88.19

NC NC

87.67

3V 2V

83.0

34+50.00

-L- REV

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-12

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

90

NC 95.14 NC

3:1 2:1

94.59 91.7

39+00.00

94.39

93.80

38+50.00

93.47

92.97 90.4

38+00.00

92.68

92.13 89.0

37+50.00

91.86

NC NC

3:1 2:1

91.29 88.5

37+00.00

-L-REV-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

$$$$SYSTIME$$$$
$$$$ENTUSER$$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-13

150 140 130 120 110 100 90 80 70 60 50 40 30 20 NC 10 0 10 NC 20 30 40 50 60 70 80 90 100 110 120 130 140 150

100

98.42

97.87

4:1 2:1

95.3

41+50.00

97.86

97.32

4:1 2:1

95.1

41+00.00

97.30

96.76

4:1 2:1

94.5

40+50.00

96.70

96.17

3.5:1 2:1

93.9

40+00.00

95.97

NC NC

95.46

3:1 2:1

92.9

39+50.00

90

-L-REV-

$$$$SYSTIME$$$$
$$$$USINAME$$$$
$$$$ENAME$$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-14

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

100.56

NC NC

100 100

99.95

4:1 2:1

96.7

43150.00

99.99

100 100

99.44

4:1 2:1

96.1

43100.00

99.46

100 100

98.92

4:1 2:1

95.8

42150.00

98.98

NC NC

98.43

42100.00

L REV

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

$$$$SYSTIME$$$$
$$$$SYSNAME$$$$
$$$$DESIGN$$$$
$$$$DRAWN$$$$
$$$$DLENAME$$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-15

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

103.42
NC
NC
100
102.80
4:1
2:1
101.2
100
46+00.00

102.87
100
102.26
4:1
2:1
100.2
100
45+50.00

102.27
100
101.66
4:1
2:1
98.6
100
45+00.00

101.72
100
101.10
4:1
2:1
97.7
100
44+50.00

101.12
NC
NC
100
100.50
4:1
2:1
97.0
100
44+00.00
-L-REV-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYSTIME$ $$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-16

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

100

NC 104.71 NC

4:1 2:1

104.09

102.2

48+50.00

104.82

4:1 2:1

104.23

102.6

48+00.00

104.69

4:1

VAR

4:1 2:1

102.5 104.08 102.3

47+50.00

104.47

4:1 2:1

102.0 103.83 102.0

47+00.00

103.96

NC 4:1 NC

VAR 4:1 2:1

101.5 103.37 101.5

46+50.00

-L- REV-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

$$$$SYSTIME$$$$
$$$$DGN$$$$
$$$$FILENAME$$$$
$$$$USER$$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-17

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

100

103.62

NC NC

3:1 3:1

2:1 2:1

103.00

100.0 98.8

51+00.00

100

103.86

3:1

103.23 98.7 2:1

50+50.00

100

104.10

3:1

103.46 2:1

98.6

50+00.00

100

104.32

4:1 3.5:1

2:1

103.68 101.3 100.2 2:1

49+50.00

100

104.50

VAR NC NC 4:1

2:1

103.89 101.2

49+00.00

-L- REV-

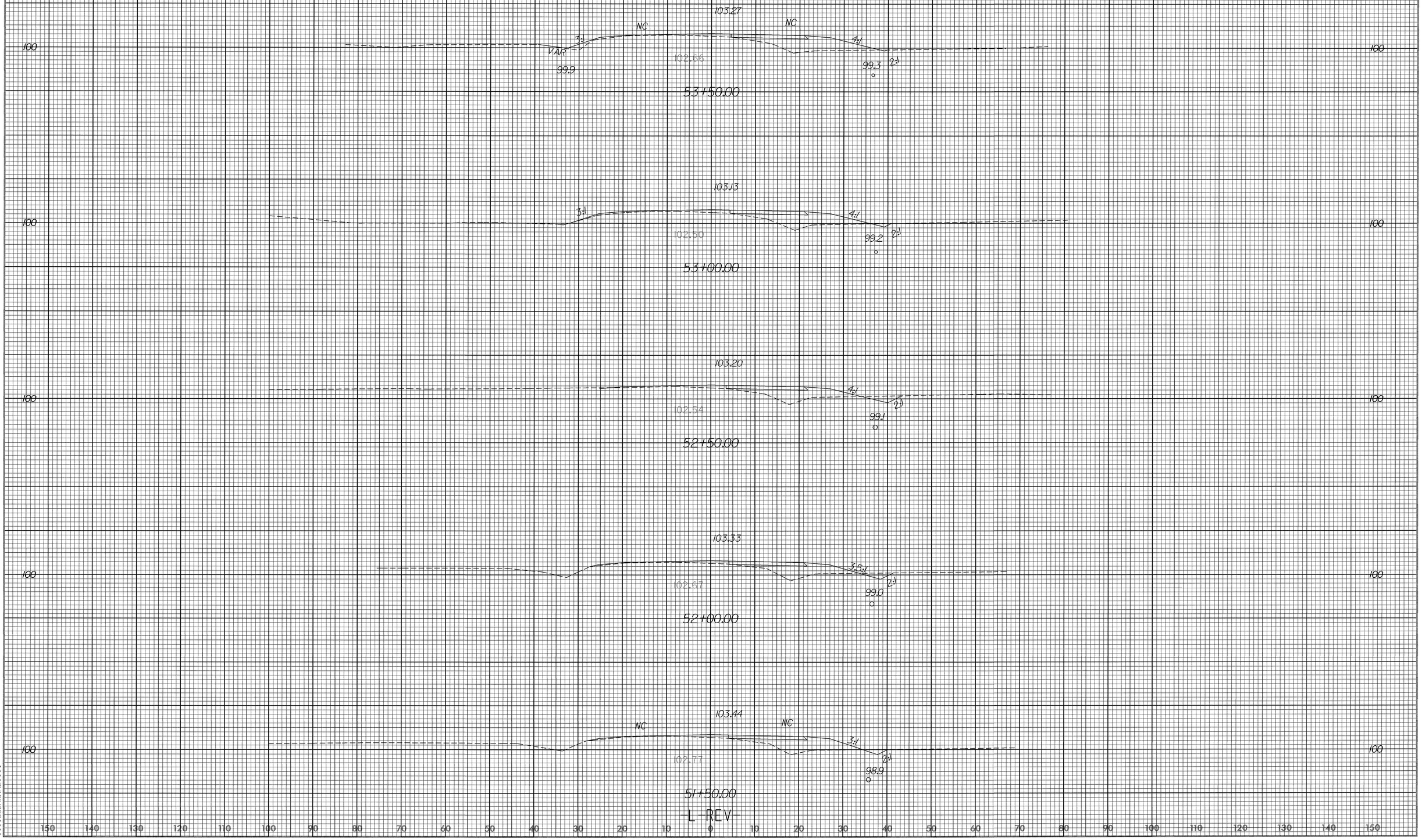
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYSTEM DESIGNED

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-18

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



$$$$SYSTIME$$$$
$$$$ENAME$$$$
$$$$DEFRAME$$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-19

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

104.08

NC NC

3:1 VAR

101.4

103.46

100 100

56+00.00

103.79

4:1 2:1

103.22

100.0

101.1

100 100

55+50.00

103.62

4:1 2:1

103.03

100.8 99.6

100 100

55+00.00

103.50

4:1 2:1

102.91

100.5 99.5

100 100

54+50.00

103.43

NC NC

3:1 VAR

4:1 2:1

102.84

100.2 99.4

100 100

54+00.00

-L- REV

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYSTEM$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-20

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

105.13

NC NC

2:1 4:1 4:1 2:1

100 105.15 100

102.7 102.7

58+50.00

105.43

100 104.88 100

4:1 2:1

102.3

58+00.00

105.04

3.5:1 4:1

VAR 2:1

100 104.47 100

102.3 101.9

57+50.00

104.59

100 104.12 100

4:1 2:1

101.5

57+00.00

104.34

NC NC

100 103.79 100

4:1 2:1

101.0

56+50.00

-L-REV-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYSTIME$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-21

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

105.28

-.0112 NC

100 — 104.8 — 4:1 — 2:1 — 101.9 — 100

61+00.00

105.63

100 — 105.11 — 4:1 — 2:1 — 102.2 — 100

60+50.00

105.82

100 — 105.27 — 4:1 — 2:1 — 102.5 — 100

60+00.00

105.89

100 — 105.29 — 4:1 — 2:1 — 102.8 — 100

59+50.00

105.90

NC NC

100 — 2:1 — 4:1 — 105.34 — 4:1 — 2:1 — 103.1 — 100

102.9

59+00.00

L REV

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYSTEM GENERATED SHEET

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-22

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

104.41

-Y3-

+.0343

-.0343

100

104.22

3:1

2:1

100.2

100

63+50.00

104.48

+.0252

-.0252

3:1

2:1

100

104.30

3:1

2:1

101.9

100.7

100

63+00.00

104.65

+.0161

NC

100

104.38

3:1

2:1

101.0

100

62+50.00

104.89

+.0070

NC

100

104.55

3:1

2:1

101.3

100

62+00.00

105.11

-.0021

NC

100

104.71

3.5:1

2:1

101.6

100

61+50.00

-L-REV-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

$$$$SYSTIME$$$$
$$$$JOB$$$$
$$$$DATE$$$$
$$$$SCALE$$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-23

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

104.24

VAR +.0797 -.0797

100 100

103.88

3:1 2:1 99.7

66+00.00

104.23

3:1 +.0706 -.0706

100 100

2:1 102.1 103.92 3:1 2:1 99.8

65+50.00

104.32

+.0615 -.0615

100 100

102.0 104.05 3:1 2:1 99.9

65+00.00

104.34

+.0566 -.0566

100 100

2:1 3:1 102.1 104.06 3:1 2:1 100.0

64+50.00

104.35

+.0434 -.0434

100 100

3:1 104.14 3:1 2:1 100.1

64+00.00

-L-REV-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYSTIME$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-24

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

100

103.90

+.08

-.08

3:1

2:1

101.2

103.46

3:1

2:1

99.2

68+50.00

104.14

101.3

103.72

3:1

2:1

99.3

68+00.00

104.07

101.5

103.72

67+50.00

104.12

102.0

103.76

3:1

2:1

99.5

67+00.00

104.14

+.08

.08

3:1

2:1

101.7

103.84

3:1

2:1

99.6

66+50.00

-L- REV-

100

SYSTEM §§§§

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-25

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

+.0423 102.48 -.0423

100 3:1 2:1 100

100.0 102.23 98.7

711+00.00

+.0514 102.79 -.0514

100 3:1 2:1 100

100.3 102.51 98.8

701+50.00

+.0605 103.12 -.0605

100 3:1 2:1 100

100.4 102.75 98.9

701+00.00

+.0696 103.40 -.0696

100 3:1 2:1 100

100.8 102.98 99.0

691+50.00

+.0787 103.61 -.0787

100 3:1 2:1 100

100.9 103.18 99.1

691+00.00

L-REV

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYSTIME$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-26

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

RADIUS -Y5-
-.0031
101.06
NC
RADIUS -Y4-
100
100.69
3:1
2:1
98.2
100

73+50.00

+.0060
101.29
NC
100
101.03
3:1
2:1
98.3
100

73+00.00

+.0151
101.56
NC
100
101.33
3:1
2:1
98.4
100

72+50.00

+.0242
101.81
-.0242
3:1
100
101.63
3:1
2:1
98.5
100

72+00.00

+.0333
102.13
-.0333
3:1
2:1
100
101.92
3:1
2:1
99.6
98.6
100

71+50.00

-L REV-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYSTEM§§§

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-27

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

100.72

NC NC

100 100

100.21

76+00.00

100.76

100 100

100.42

75+50.00

100.81

100 100

100.25

75+00.00

-Y5- NC 100.92 NC

100 100

100.37

74+50.00

100.87

-Y5- -.0122 NC -Y4-

100 100

100.43

74+00.00

-L- REV

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

$$$$SYSTIME$$$$
$$$$DATE$$$$
$$$$FILENAME$$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-28

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

100.61

NC NC

100

100.18

3:1 2:1

95.4

78+50.00

100.74

100

100.17

95.6

78+00.00

100.73

100

100.28

95.8

77+50.00

100.70

100

100.19

96.0

77+00.00

100.74

NC NC

100

100.14

3:1 2:1

96.3

76+50.00

-L-REV-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

$$$$$SYS TIME$$$$$
$$$$$VERSION$$$$$
$$$$$FILE$$$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-29

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

100.59

100 NC NC 100

4:1 2:1 3:1 2:1

98.3 100.26 96.5

81+00.00

100.39

100 100

4:1 2:1

98.0 100.01

80+50.00

100.33

100 3.5:1 100

99.93 95.3

80+00.00

100.43

100 100

99.96 95.0

79+50.00

100.51

100 NC NC 100

3:1 2:1

100.11 95.2

79+00.00

-L- REV-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

$$$$$SYSTIME$$$$$
$$$$$JOB$$$$$
$$$$$EJOB$$$$$
$$$$$EJOBSIZE$$$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	35881	X-30

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

101.90

USE EXIST. CROSS SLOPE

USE EXIST. CROSS SLOPE

100

2:1 3:1

99.3

101.73

3:1 2:1

99.7

100

83+50.00

101.69

NC

NC

100

99.1

101.45

99.0

100

83+00.00

101.38

3:1

2:1

100

98.9

101.16

98.4

100

82+50.00

101.12

3.5:1

100

98.7

100.28

97.8

100

82+00.00

100.85

NC

4:1

NC

3:1

2:1

100

98.5

100.57

97.3

100

81+50.00

-L-REV-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYSTIME $$$$