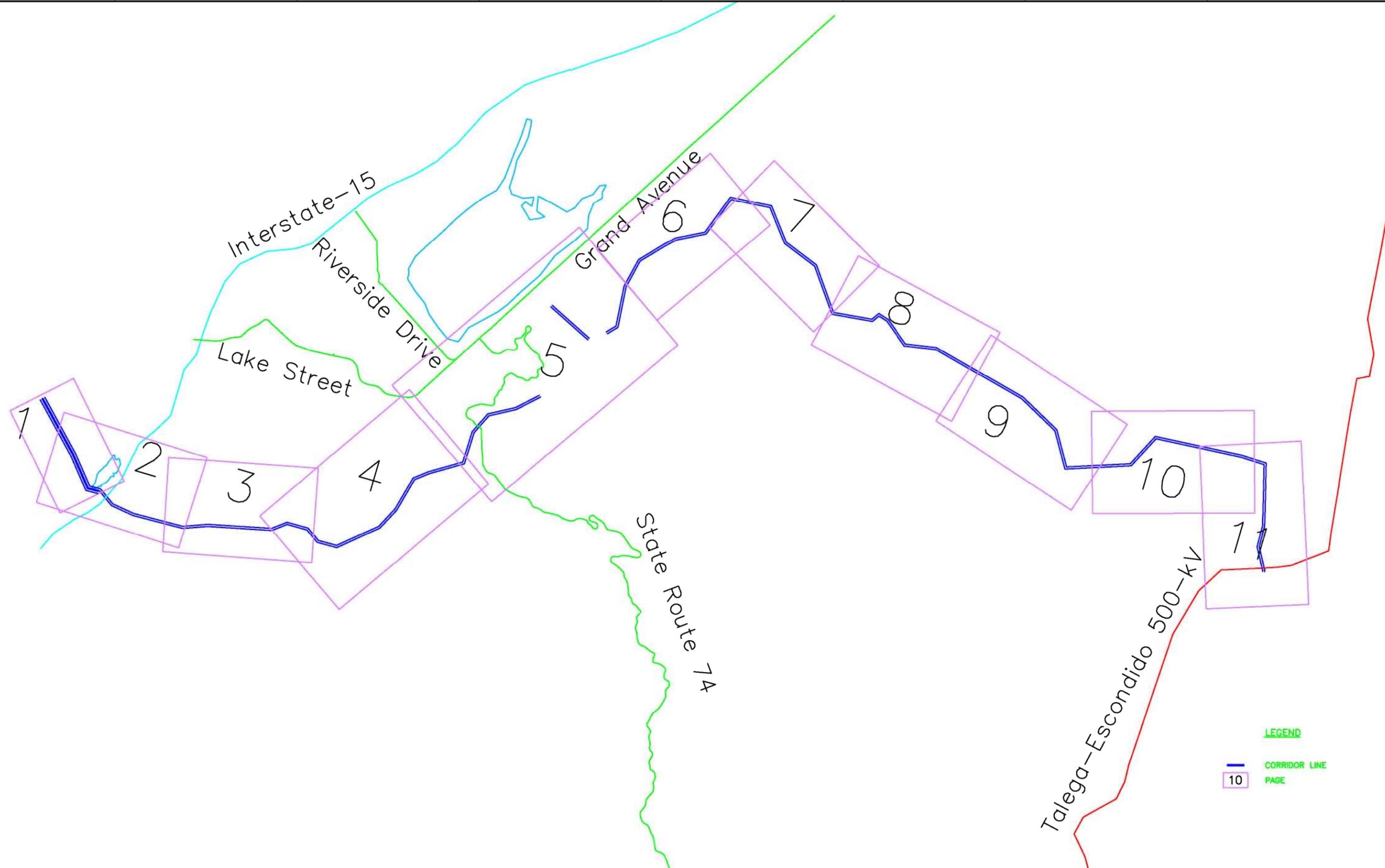# Attachment 1

Tower Placement, Data Information Tables and Location Information

Clarification

Note on the symbols used, referenced in the "Legend," on the following computer generated tower Plan and Profile Sheets:

1. "Spotting Constrain" is more accurately "Spotting Constrain<u>t</u>" (added "t"). The final letter was omitted due to computer program limitations. Spotting constraints represent road crossings which were identified on aerial photos and assumed for tower spotting. Survey data for final line design should provide information of all obstacles where no structure should be spotted.

2. References to various color lines, and the lines themselves are computer embedded reference codes and should not be used for any purpose.

Interstate-15

Riverside Drive

Grand Avenue

Lake Street

State Route 74

Talega–Escondido 500–kV

1 2 3 4 5 6 7 8 9 10 11

ELEC. REF. FILE:
PLOT SCALE:
1:1

LEGEND

CORRIDOR LINE

10 PAGE

SAE TOWERS

NO.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY	No.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY
C	06/04/08	ALTERNATIVE LOCATIONS	MM	MM	CS	CS							
B	05/15/08	SPOTTING BASED ON LEAPS TOPO BASE	MM	MM	CS	CS							
A	04/11/08	FOR INFORMATION ONLY	MM	MM	CS	CS	D	09/10/08	DUE TO KEY MAP AND LEGENDS	MM	MM	CS	CS

DRAWN BY	M. MENDIETA
ENGR BY	M. MENDIETA
CHECKED BY	C. SUTOR
APVD BY	C. SUTOR

☐ CONCEPT
■ FOR INFORMATION ONLY
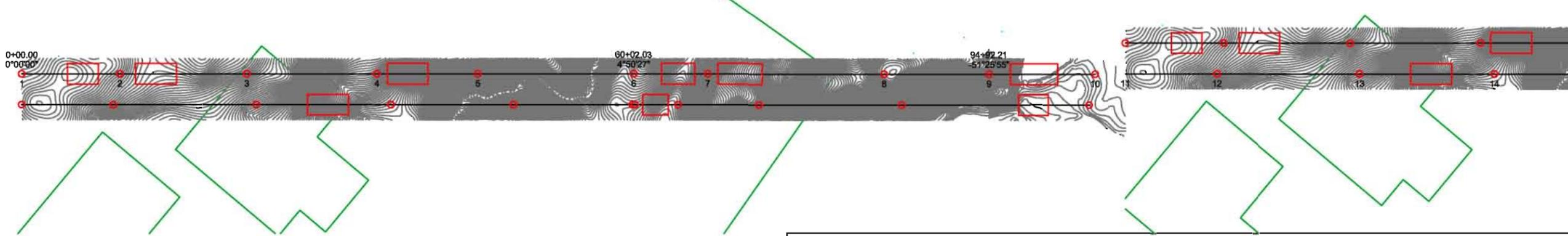☐ FOR APPROVAL
☐ FOR MANUFACTURE
☐ FOR CONSTRUCTION
☐ FOR RECORD

TITLE
NEVADA HYDRO COMPANY
LAKE ELSINORE ADVANCED PUMPED STORAGE PROJECT
500 KV TRANSMISSION LINE DESIGN
KEY MAP

SCALE	DRAWING No.	SHEET	CONT'D	REV
AS SHOWN	NHC–TLD–001	1	2	D

LEGEND

○ STRUCTURE
5 STRUCTURE NUMBER
▭ SPOTTING CONSTRAIN
—— qcb_fch83_gcs83

LEAPS SAE R091008
9/10/2008
PAGE 1/11
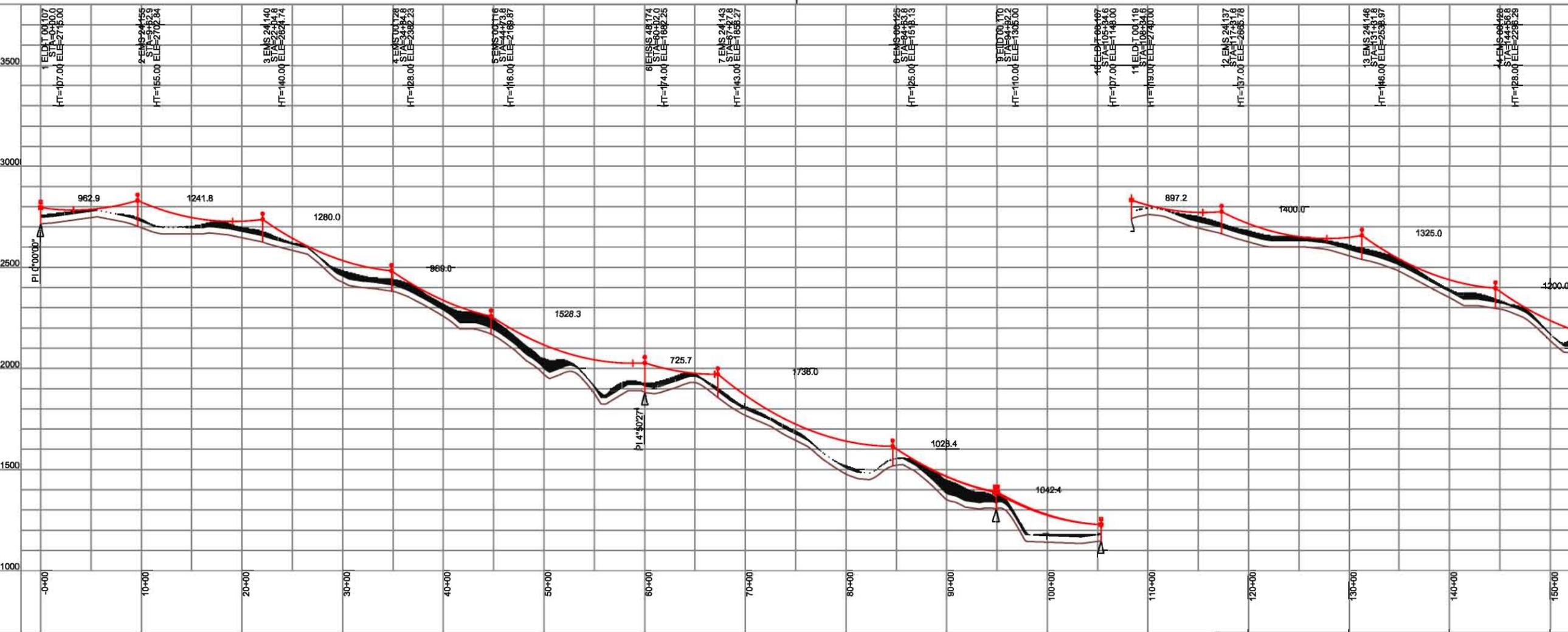
NORTH

500.0 FT.   HORIZ. SCALE

250.0 FT.   VERT. SCALE

1 - 9, BLUEBIRD_ACSR.WIR, RULING SPAN 1285 (FT), TENSION 17642 (LBS) AT 60 (DEG F) INITIAL
9 - 10, BLUEBIRD_ACSR.WIR, RULING SPAN 1030 (FT), TENSION 20249 (LBS) AT 60 (DEG F) INITIAL
11 - 20, BLUEBIRD_ACSR.WIR, RULING SPAN 1164 (FT), TENSION 18273 (LBS) AT 60 (DEG F) INITIAL

0+00.00
0°00'00"

60+02.03
4°50'27"

94+02.21
-51°25'55"

Profile elevation markings: 3500, 3000, 2500, 2000, 1500, 1000

Span/offset labels: 962.9, 1241.8, 1280.0, 969.0, 1528.3, 725.7, 1738.0, 1028.4, 1042.4, 897.2, 1400.0, 1325.0, 1200.0

Station markings: -0+00, 10+00, 20+00, 30+00, 40+00, 50+00, 60+00, 70+00, 80+00, 90+00, 100+00, 110+00, 120+00, 130+00, 140+00, 150+00

NO.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY	No.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY
C	06/04/08	ALTERNATIVE LOCATIONS	MM	MM	CS	CS							
B	05/15/08	SPOTTING BASED ON LEAPS TOPO BASE	MM	MM	CS	CS							
A	04/11/08	FOR INFORMATION ONLY	MM	MM	CS	CS	D	09/10/08	DUE TO KEY MAP AND LEGENDS	MM	MM	CS	CS

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ENGR BY: M. MENDIETA
CHECKED BY: C. SUTOR
APVD BY: C. SUTOR

☐ CONCEPT
■ FOR INFORMATION ONLY
☐ FOR APPROVAL
☐ FOR MANUFACTURE
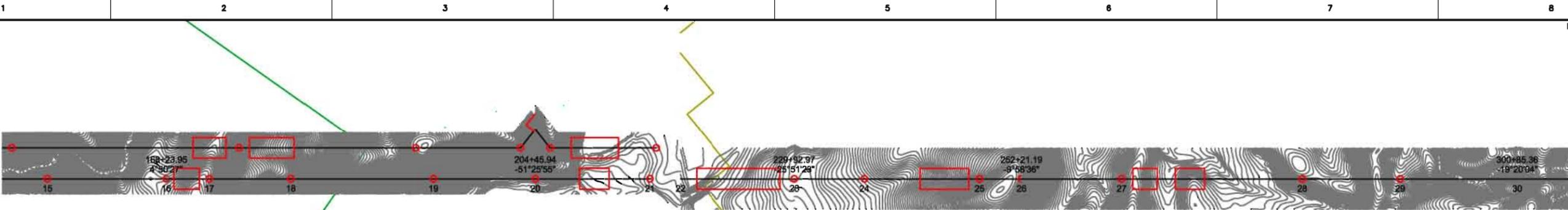☐ FOR CONSTRUCTION
☐ FOR RECORD

SAE TOWERS

TITLE: NEVADA HYDRO COMPANY
LAKE ELSINORE ADVANCED PUMPED STORAGE PROJECT
500 kV TRANSMISSION LINE DESIGN
PLAN & PROFILE SHEET

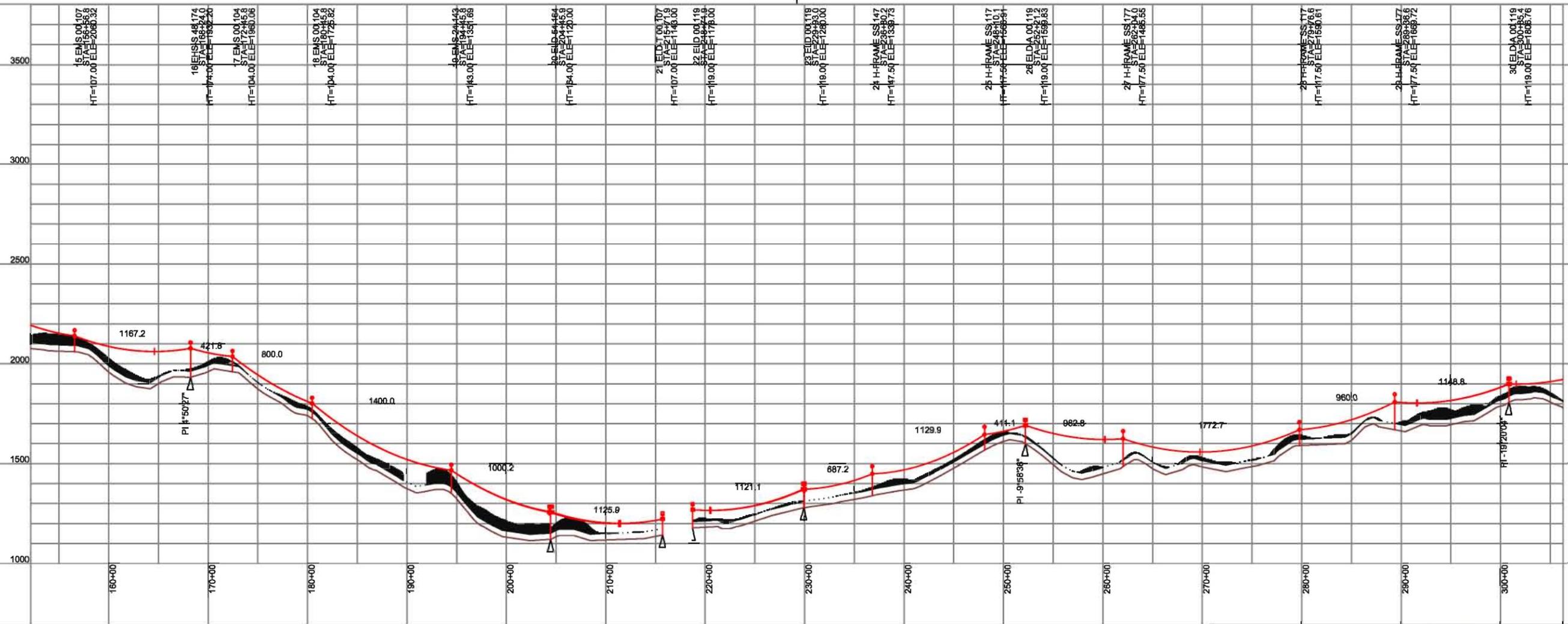SCALE: AS SHOWN   DRAWING No. NHC-TLD-001   SHEET 2   CONT'D 3   REV D

LEGEND

○ STRUCTURE

5 STRUCTURE NUMBER

▭ SPOTTING CONSTRAIN

——— qcb_fch83_gcs83

——— cagn_pch27_g

LEAPS SAE R091008
9/10/2008
PAGE 2/11

HORIZ. SCALE 500.0 FT.

VERT. SCALE 250.0 FT.

NORTH

1 - 20, BLUEBIRD_ACSR.WIR, RULING SPAN 1164 (FT), TENSION 18273 (LBS) AT 60 (DEG F) INITIAL
20 - 21, BLUEBIRD_ACSR.WIR, RULING SPAN 1125 (FT), TENSION 20209 (LBS) AT 60 (DEG F) INITIAL
22 - 23, BLUEBIRD_ACSR.WIR, RULING SPAN 1117 (FT), TENSION 19967 (LBS) AT 60 (DEG F) INITIAL
23 - 26, BLUEBIRD_ACSR.WIR, RULING SPAN 897 (FT), TENSION 20504 (LBS) AT 60 (DEG F) INITIAL
26 - 30, BLUEBIRD_ACSR.WIR, RULING SPAN 1350 (FT), TENSION 18347 (LBS) AT 60 (DEG F) INITIAL
30 - 32, BLUEBIRD_ACSR.WIR, RULING SPAN 1654 (FT), TENSION 18359 (LBS) AT 60 (DEG F) INITIAL

NO.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY	No.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY
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B	05/15/08	SPOTTING BASED ON LEAPS TOPO BASE	MM	MM	CS	CS							
A	04/11/08	FOR INFORMATION ONLY	MM	MM	CS	CS	D	09/10/08	DUE TO KEY MAP AND LEGENDS	MM	MM	CS	CS

DRAWN BY: M. MENDIETA
ENGR BY: M. MENDIETA
CHECKED BY: C. SUTOR
APVD BY: C. SUTOR

☐ CONCEPT
■ FOR INFORMATION ONLY
☐ FOR APPROVAL
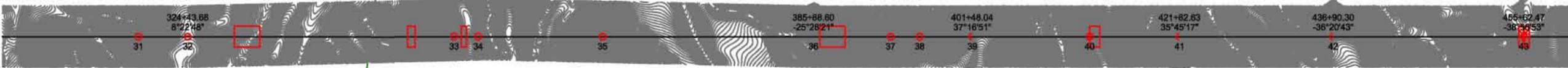☐ FOR MANUFACTURE
☐ FOR CONSTRUCTION
☐ FOR RECORD

SAE TOWERS

TITLE
NEVADA HYDRO COMPANY
LAKE ELSINORE ADVANCED PUMPED STORAGE PROJECT
500 KV TRANSMISSION LINE DESIGN
PLAN & PROFILE SHEET

SCALE: AS SHOWN

DRAWING No.: NHC-TLD-001

SHEET: 3   CONT'D: 4   REV: D

PLS-CADD DRAWING

324+43.68
8°22'48"

385+88.60
-25°28'21"

401+48.04
37°16'51"

421+82.63
35°45'17"

436+90.30
-36°20'43"

455+92.47
-36°20'53"

31 32   33 34   35   36   37 38   39   40   41   42   43
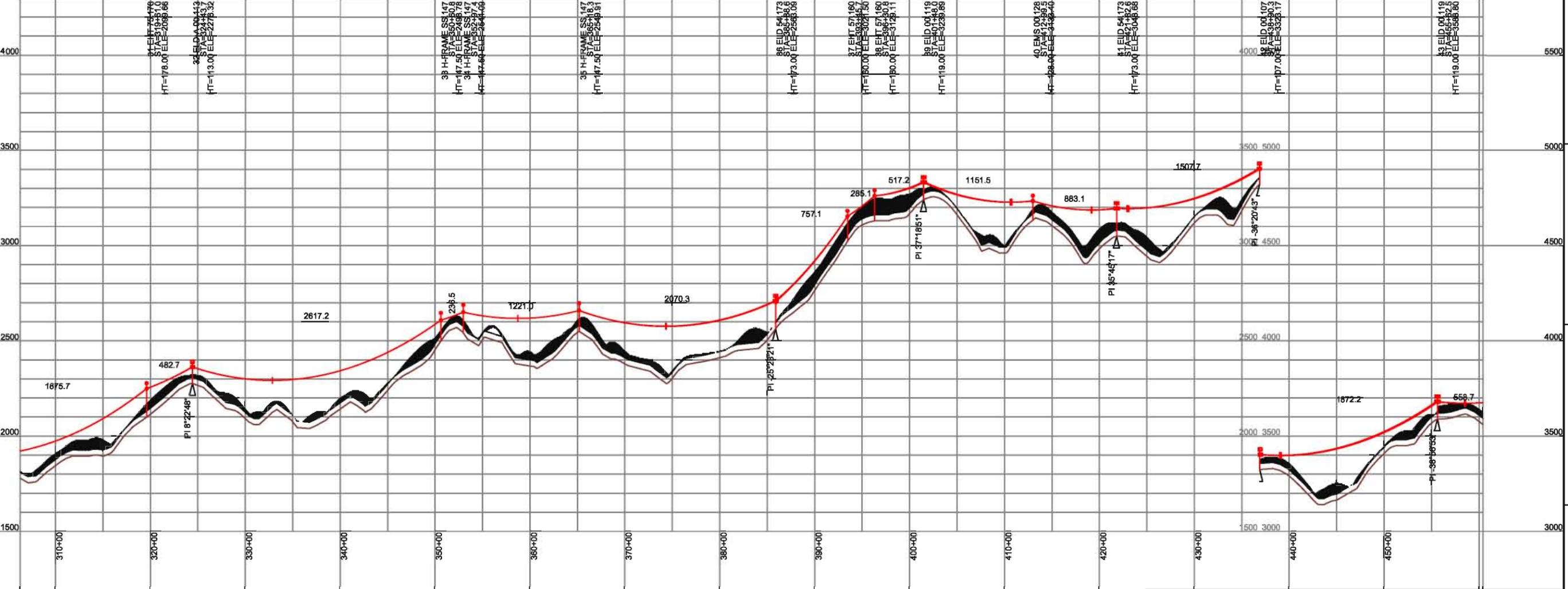
LEGEND

○ STRUCTURE

5 STRUCTURE NUMBER

▢ SPOTTING CONSTRAIN

—— cagnfch27_00_polygon

LEAPS SAE R091008
9/10/2008
PAGE 3/11

NORTH   NORTH   NORTH   NORTH   NORTH

500.0 FT.   HORIZ. SCALE

250.0 FT.   VERT. SCALE

31 - 32, BLUEBIRD_ACSR.WIR, RULING SPAN 1654 (FT), TENSION 16359 (LBS) AT 60 (DEG F) INITIAL
33 - 36, BLUEBIRD_ACSR.WIR, RULING SPAN 2150 (FT), TENSION 15660 (LBS) AT 60 (DEG F) INITIAL
36 - 39, BLUEBIRD_ACSR.WIR, RULING SPAN 556 (FT), TENSION 17690 (LBS) AT 60 (DEG F) INITIAL
40 - 41, BLUEBIRD_ACSR.WIR, RULING SPAN 1030 (FT), TENSION 20570 (LBS) AT 60 (DEG F) INITIAL
41 - 42, BLUEBIRD_ACSR.WIR, RULING SPAN 1487 (FT), TENSION 17488 (LBS) AT 60 (DEG F) INITIAL
42 - 43, BLUEBIRD_ACSR.WIR, RULING SPAN 1846 (FT), TENSION 16213 (LBS) AT 60 (DEG F) INITIAL
43 - 46, BLUEBIRD_ACSR.WIR, RULING SPAN 1983 (FT), TENSION 15837 (LBS) AT 60 (DEG F) INITIAL

4000   3500   3000   2500   2000   1500

5500   5000   4500   4000   3500   3000

1675.7   482.7   2617.2   238.5   1221.0   2070.3   757.1   285.1   517.2   1151.5   883.1   1507.7   1872.2   558.7

PI 8°22'48"   PI -25°28'21"   PI 37°16'51"   PI 35°45'17"   -36°20'43"   PI -36°20'53"

310+00   320+00   330+00   340+00   350+00   360+00   370+00   380+00   390+00   400+00   410+00   420+00   430+00   440+00   450+00

NO.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY	NO.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY
C	06/04/08	ALTERNATIVE LOCATIONS	MM	MM	CS	CS							
B	05/15/08	SPOTTING BASED ON LEAPS TOPO BASE	MM	MM	CS	CS							
A	04/11/08	FOR INFORMATION ONLY	MM	MM	CS	CS	D	09/10/08	DUE TO KEY MAP AND LEGENDS	MM	MM	CS	C. SUTOR

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ENGR BY M. MENDIETA
CHECKED BY C. SUTOR
APVD BY C. SUTOR

☐ CONCEPT
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☐ FOR MANUFACTURE
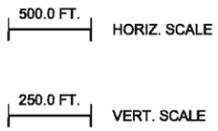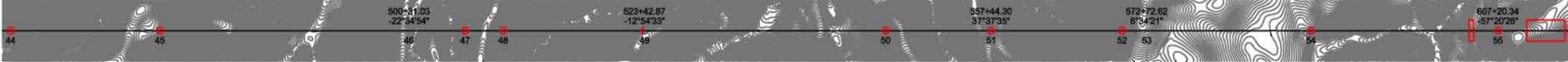☐ FOR CONSTRUCTION
☐ FOR RECORD

SAE TOWERS

TITLE NEVADA HYDRO COMPANY
LAKE ELSINORE ADVANCED PUMPED STORAGE PROJECT
500 kV TRANSMISSION LINE DESIGN
PLAN & PROFILE SHEET

SCALE AS SHOWN
DRAWING No. NHC-TLD-001
SHEET 4   CONT'D 5   REV D

PLS-CADD DRAWING

HORIZ. SCALE — 500.0 FT.

VERT. SCALE — 250.0 FT.

43 - 46, BLUEBIRD_ACSR.WIR, RULING SPAN 1983 (FT), TENSION 15837 (LBS) AT 60 (DEG F) INITIAL
46 - 49, BLUEBIRD_ACSR.WIR, RULING SPAN 1092 (FT), TENSION 18794 (LBS) AT 60 (DEG F) INITIAL
49 - 51, BLUEBIRD_ACSR.WIR, RULING SPAN 2047 (FT), TENSION 19066 (LBS) AT 60 (DEG F) INITIAL
51 - 53, BLUEBIRD_ACSR.WIR, RULING SPAN 1126 (FT), TENSION 17941 (LBS) AT 60 (DEG F) INITIAL
53 - 55, BLUEBIRD_ACSR.WIR, RULING SPAN 1725 (FT), TENSION 16750 (LBS) AT 60 (DEG F) INITIAL
55 - 57, BLUEBIRD_ACSR.WIR, RULING SPAN 1952 (FT), TENSION 16090 (LBS) AT 60 (DEG F) INITIAL

LEGEND

○ STRUCTURE
5 STRUCTURE NUMBER
□ SPOTTING CONSTRAIN

LEAPS SAE R091008
9/10/2008
PAGE 4/11

NORTH

NO.	DATE	REVISION DESCRIPTION	DRAWN	ENGR BY	CHECKED BY	APVD BY	No.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY
C	06/04/08	ALTERNATIVE LOCATIONS	MM	MM	CS	CS							
B	05/15/08	SPOTTING BASED ON LEAPS TOPO BASE	MM	MM	CS	CS							
A	04/11/08	FOR INFORMATION ONLY	MM	MM	CS	CS	D	09/10/08	DUE TO KEY MAP AND LEGENDS	MM	MM	CS	CS

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ENGR BY M. MENDIETA
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APVD BY C. SUTOR

☐ CONCEPT
■ FOR INFORMATION ONLY
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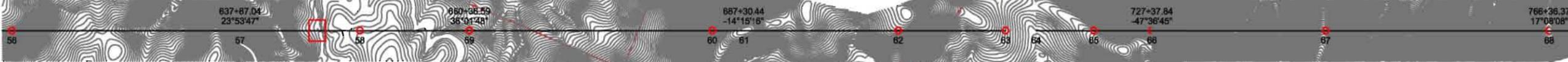☐ FOR MANUFACTURE
☐ FOR CONSTRUCTION
☐ FOR RECORD

SAE TOWERS

TITLE
NEVADA HYDRO COMPANY
LAKE ELSINORE ADVANCED PUMPED STORAGE PROJECT
500 KV TRANSMISSION LINE DESIGN
PLAN & PROFILE SHEET

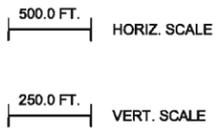SCALE AS SHOWN
DRAWING No. NHC-TLD-001
SHEET 5 CONT'D 6 REV D

LEGEND

- ○ STRUCTURE
- 5 STRUCTURE NUMBER
- ▭ SPOTTING CONSTRAIN
- — Survey_SECTION LINES
- — Reservoir_Location

500.0 FT.   HORIZ. SCALE

250.0 FT.   VERT. SCALE

55 - 57 BLUEBIRD_ACSR.WIR, RULING SPAN 1952 (FT), TENSION 18090 (LBS) AT 60 (DEG F) INITIAL
57 - 59 BLUEBIRD_ACSR.WIR, RULING SPAN 1123 (FT), TENSION 15066 (LBS) AT 60 (DEG F) INITIAL
59 - 63 BLUEBIRD_ACSR.WIR, RULING SPAN 1835 (FT), TENSION 15682 (LBS) AT 60 (DEG F) INITIAL
64 - 66 BLUEBIRD_ACSR.WIR, RULING SPAN 664 (FT), TENSION 20815 (LBS) AT 60 (DEG F) INITIAL
66 - 71 BLUEBIRD_ACSR.WIR, RULING SPAN 1641 (FT), TENSION 15955 (LBS) AT 60 (DEG F) INITIAL

NORTH

LEAPS SAE R091008
9/10/2008
PAGE 5/11

NORTH   NORTH   NORTH   NORTH

637+87.04   650+36.59   687+30.44   727+37.84   766+36.37
23°53'47"   36°01'48"   -14°15'16"   -47°36'45"   17°08'08"

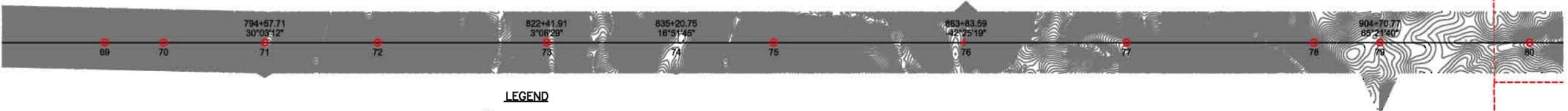| NO.	C	06/04/08	ALTERNATIVE LOCATIONS	MM	MM	CS	CS				DRAWN BY	M. MENDIETA
	B	05/15/08	SPOTTING BASED ON LEAPS TOPO BASE	MM	MM	CS	CS				ENGR BY	M. MENDIETA
	A	04/11/08	FOR INFORMATION ONLY	MM	MM	CS	CS	D	09/10/08	DUE TO KEY MAP AND LEGENDS	CHECKED BY	C. SUTOR
	NO.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY	No.	DATE	REVISION DESCRIPTION	APVD BY	C. SUTOR

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☐ FOR RECORD

SAE TOWERS

TITLE
NEVADA HYDRO COMPANY
LAKE ELSINORE ADVANCED PUMPED STORAGE PROJECT
500 kV TRANSMISSION LINE DESIGN
PLAN & PROFILE SHEET

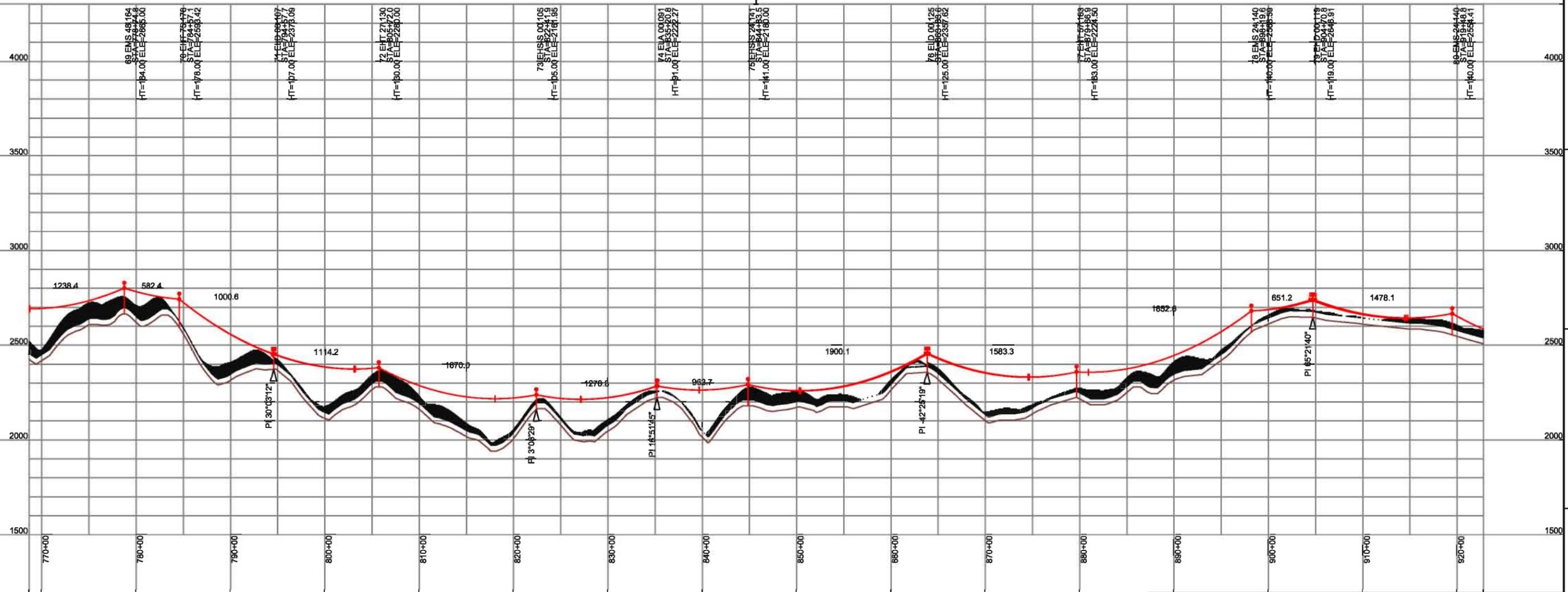SCALE AS SHOWN   DRAWING No. NHC-TLD-001   SHEET 6   CONT'D 7   REV D

LEGEND

○ STRUCTURE

5 STRUCTURE NUMBER

▢ SPOTTING CONSTRAIN

— Survey_SECTION LINES

500.0 FT.   HORIZ. SCALE

250.0 FT.   VERT. SCALE

66 - 71, BLUEBIRD_ACSR.WIR, RULING SPAN 1641 (FT), TENSION 15665 (LBS) AT 60 (DEG F) INITIAL
71 - 76, BLUEBIRD_ACSR.WIR, RULING SPAN 1509 (FT), TENSION 17525 (LBS) AT 60 (DEG F) INITIAL
76 - 79, BLUEBIRD_ACSR.WIR, RULING SPAN 1595 (FT), TENSION 16941 (LBS) AT 60 (DEG F) INITIAL
79 - 81, BLUEBIRD_ACSR.WIR, RULING SPAN 2103 (FT), TENSION 16135 (LBS) AT 60 (DEG F) INITIAL

LEAPS SAE R091008
9/10/2008
PAGE 011

NORTH   NORTH   NORTH   NORTH

NO.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY	No.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY
C	06/04/08	ALTERNATIVE LOCATIONS	MM	MM	CS	CS							
B	05/15/08	SPOTTING BASED ON LEAPS TOPO BASE	MM	MM	CS	CS							
A	04/11/08	FOR INFORMATION ONLY	MM	MM	CS	CS	D	09/10/08	DUE TO KEY MAP AND LEGENDS	MM	MM	CS	CS

DRAWN BY M. MENDIETA
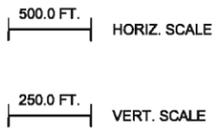ENGR BY M. MENDIETA
CHECKED BY C. SUTOR
APVD BY C. SUTOR

☐ CONCEPT
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SAE TOWERS

TITLE
NEVADA HYDRO COMPANY
LAKE ELSINORE ADVANCED PUMPED STORAGE PROJECT
500 KV TRANSMISSION LINE DESIGN
PLAN & PROFILE SHEET

SCALE: AS SHOWN   DRAWING No. NHC-TLD-001   SHEET 7   CONT'D 8   REV D

PLS-CADD DRAWING

943+61.57
56°11'06"
81

980+78.03
-30°47'14"
82   83   84   85

1016+96.95
33°01'47"
86   87   88   89   90

1064+94.99
-59°57'07"

LEGEND

○ STRUCTURE

5 STRUCTURE NUMBER

▢ SPOTTING CONSTRAIN

── Survey_SECTION LINES

LEAPS SAE R091008
9/10/2008
PAGE 7/11

NORTH

500.0 FT.   HORIZ. SCALE

250.0 FT.   VERT. SCALE

79 - 81, BLUEBIRD_ACSR.WIR, RULING SPAN 2103 (FT), TENSION 79135 (LBS) AT 60 (DEG F) INITIAL
81 - 84, BLUEBIRD_ACSR.WIR, RULING SPAN 1239 (FT), TENSION 1784 (LBS) AT 60 (DEG F) INITIAL
84 - 86, BLUEBIRD_ACSR.WIR, RULING SPAN 1794 (FT), TENSION 1689 (LBS) AT 60 (DEG F) INITIAL
86 - 90, BLUEBIRD_ACSR.WIR, RULING SPAN 1443 (FT), TENSION 17735 (LBS) AT 60 (DEG F) INITIAL
90 - 92, BLUEBIRD_ACSR.WIR, RULING SPAN 2506 (FT), TENSION 15645 (LBS) AT 60 (DEG F) INITIAL

4500   4500
4000   4000
3500   3500
3000   3000
2500   2500
2000   2000

2413.1   1268.3   1137.1   1290.7   1715.4   1873.5   1640.1   1168.7   1591.3   427.9

PI 58°11'06"   PI 39°01'47"

930+00 940+00 950+00 960+00 970+00 980+00 990+00 1000+00 1010+00 1020+00 1030+00 1040+00 1050+00 1060+00 1070+00

NO.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY	No.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY
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B	05/15/08	SPOTTING BASED ON LEAPS TOPO BASE	MM	MM	CS	CS							
A	04/11/08	FOR INFORMATION ONLY	MM	MM	CS	CS	D	09/10/08	DUE TO KEY MAP AND LEGENDS	MM	MM	CS	CS

DRAWN BY M. MENDIETA
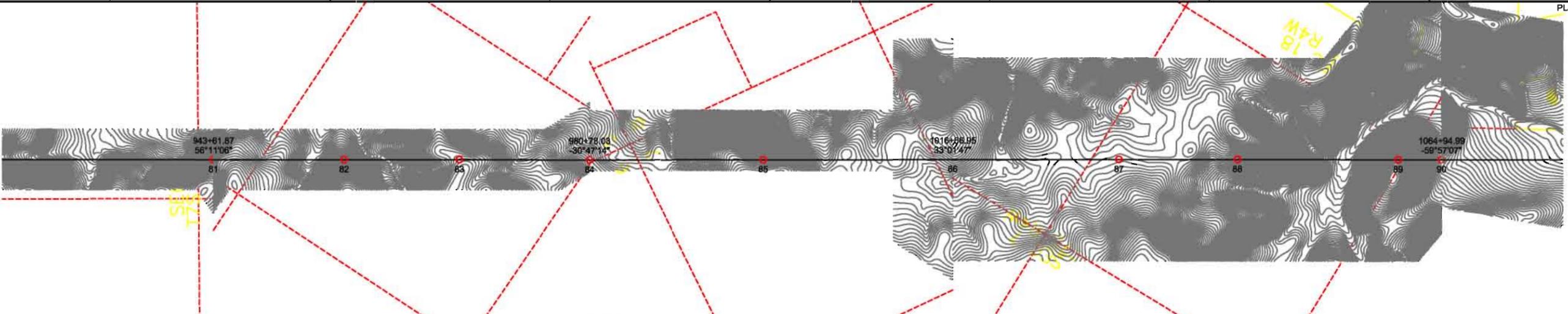ENGR BY M. MENDIETA
CHECKED BY C. SUTOR
APVD BY C. SUTOR

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☑ FOR INFORMATION ONLY
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☐ FOR MANUFACTURE
☐ FOR CONSTRUCTION
☐ FOR RECORD

SAE TOWERS

TITLE
NEVADA HYDRO COMPANY
LAKE ELSINORE ADVANCED PUMPED STORAGE PROJECT
500 KV TRANSMISSION LINE DESIGN
PLAN & PROFILE SHEET

SCALE AS SHOWN

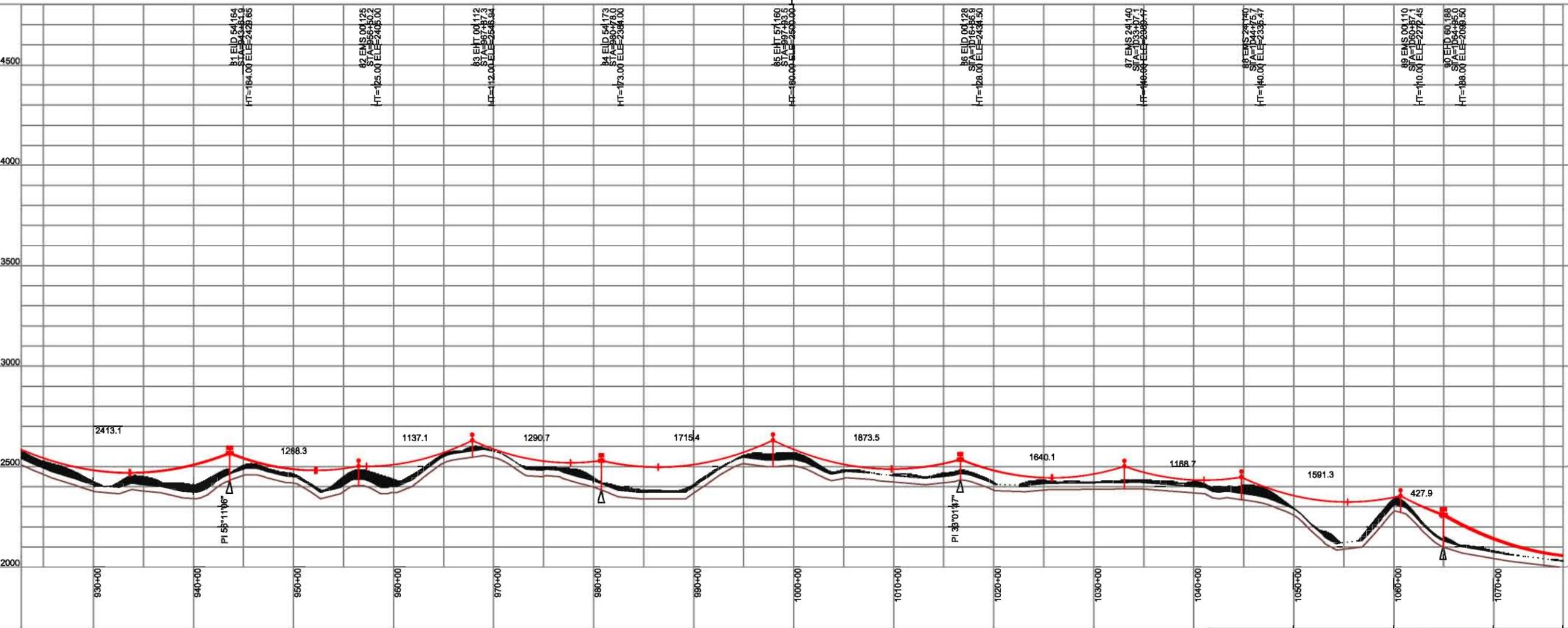DRAWING No. NHC-TLD-001

SHEET 8 CONT'D 9 REV D

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PRIVATE

1103+12.24
-49°30'48"
91

1111+49.95
72°01'23"
92

1121+43.04
21°58'41"
93

94

1150+25.24
-48°04'23"
95

96

97

1180+09.87
23°11'25"
98 99

100

101

102

500.0 FT.   HORIZ. SCALE
250.0 FT.   VERT. SCALE

LEGEND
○ STRUCTURE
5 STRUCTURE NUMBER
□ SPOTTING CONSTRAIN
— Survey_SECTION LINES

NORTH

LEAPS SAE R091008
9/10/2008
PAGE 8/11

NORTH

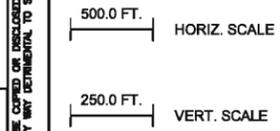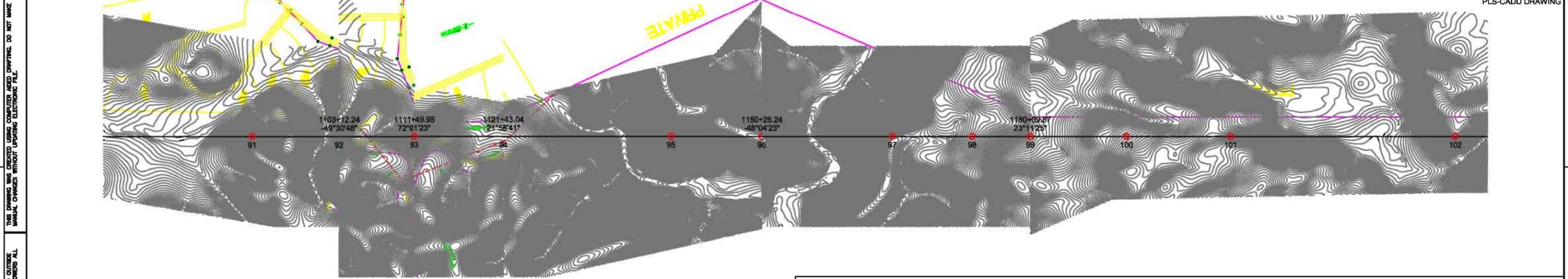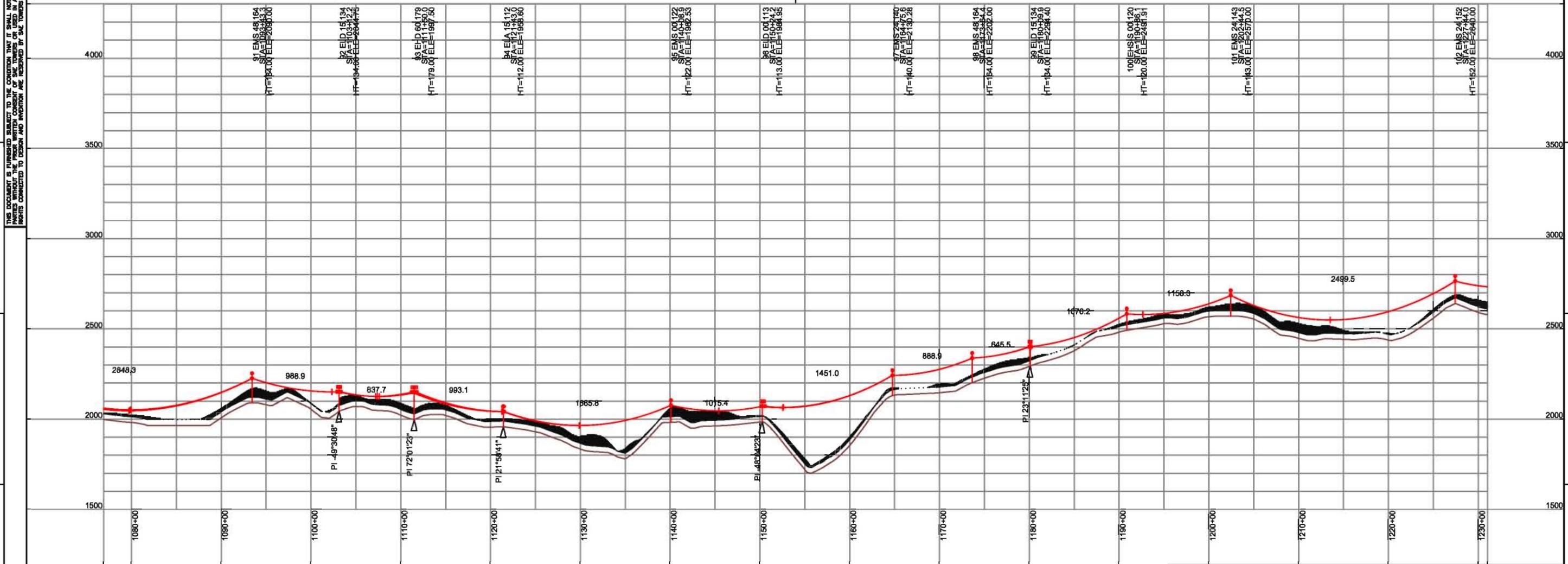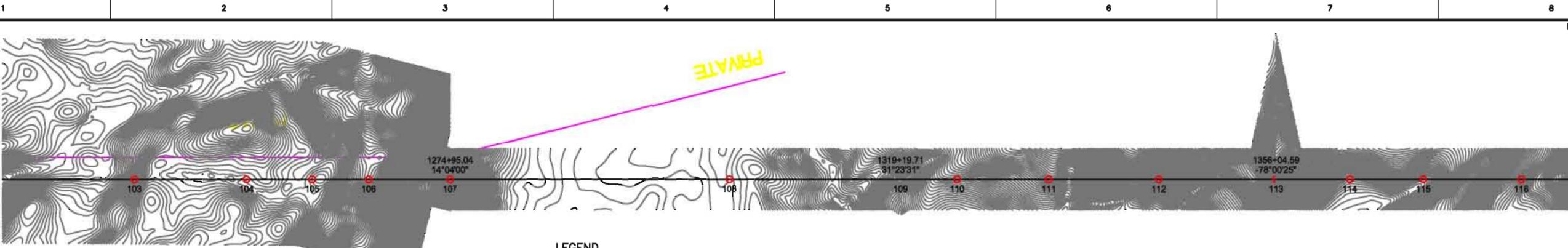90 - 92, BLUEBIRD_ACSR.WIR, RULING SPAN 2588 (FT), TENSION 15649(LBS) AT 60 (DEG F) INITIAL
92 - 93, BLUEBIRD_ACSR.WIR, RULING SPAN 834 (FT), TENSION 21082 (LBS) AT 60 (DEG F) INITIAL
 - 96, BLUEBIRD_ACSR.WIR, RULING SPAN 1481 (FT), TENSION 17957 (LBS) AT 60 (DEG F) INITIAL
 - 99, BLUEBIRD_ACSR.WIR, RULING SPAN 1151 (FT), TENSION 15651 (LBS) AT 60 (DEG F) INITIAL
99 - 107, BLUEBIRD_ACSR.WIR, RULING SPAN 1820 (FT), TENSION 15569 (LBS) AT 60 (DEG F) INITIAL

Profile elevation markers (left axis): 4000, 3500, 3000, 2500, 2000, 1500

Profile elevation markers (right axis): 4000, 3500, 3000, 2500, 2000, 1500

2848.3
988.9
837.7
993.1
1665.8
1015.4
1451.0
888.9
645.5
1150.3
1676.2
2499.5

PI -49°30'48"
PI 72°01'23"
PI 21°58'41"
PI -48°04'23"
PI 23°11'25"

Station markers (bottom): 1080+00, 1090+00, 1100+00, 1110+00, 1120+00, 1130+00, 1140+00, 1150+00, 1160+00, 1170+00, 1180+00, 1190+00, 1200+00, 1210+00, 1220+00, 1230+00

SAE TOWERS

NO.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY	No.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY
C	06/04/08	ALTERNATIVE LOCATIONS	MM	MM	CS	CS							
B	05/15/08	SPOTTING BASED ON LEAPS TOPO BASE	MM	MM	CS	CS							
A	04/11/08	FOR INFORMATION ONLY	MM	MM	CS	CS	D	09/10/08	DUE TO KEY MAP AND LEGENDS	MM	MM	CS	CS

DRAWN BY: M. MENDIETA
ENGR BY: M. MENDIETA
CHECKED BY: C. SUTOR
APVD BY: C. SUTOR

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☐ FOR APPROVAL
☐ FOR MANUFACTURE
☐ FOR CONSTRUCTION
☐ FOR RECORD

TITLE
NEVADA HYDRO COMPANY
LAKE ELSINORE ADVANCED PUMPED STORAGE PROJECT
500 kV TRANSMISSION LINE DESIGN
PLAN & PROFILE SHEET

SCALE: AS SHOWN
DRAWING No.: NHC-TLD-001
SHEET: 9
CONT'D: 10
REV: D

PRIVATE

1274+95.04
14°04'00"

1319+19.71
31°23'31"

1356+04.59
-78°00'25"

103 104 105 106 107 108 109 110 111 112 113 114 115 116

LEGEND
○ STRUCTURE
5 STRUCTURE NUMBER
▭ SPOTTING CONSTRAIN
— Survey_SECTION LINES

500.0 FT.   HORIZ. SCALE

250.0 FT.   VERT. SCALE

99 - 107, BLUEBIRD_ACSR.WIR, RULING SPAN 1620 (FT), TENSION 15569 (LBS) AT 60 (DEG F) INITIAL
107 - 109, BLUEBIRD_ACSR.WIR, RULING SPAN 2383 (FT), TENSION 15200 (LBS) AT 60 (DEG F) INITIAL
109 - 113, BLUEBIRD_ACSR.WIR, RULING SPAN 982 (FT), TENSION 19846 (LBS) AT 60 (DEG F) INITIAL
113 - 116, BLUEBIRD_ACSR.WIR, RULING SPAN 2016 (FT), TENSION 15443 (LBS) AT 60 (DEG F) INITIAL

LEAPS SAE R091008
9/10/2008
PAGE 9/11

NORTH
NORTH
NORTH

4000   4000
3500   3500
3000   3000
2500   2500
2000   2000
1500   1500

1652.3   1100.0   644.7   554.3
799.8
724.1   720.7   962.0
1150.3
2745.3
1079.8
900.2
1579.4
554.5
PI 14°04'00"
PI 31°23'31"
PI -78°00'25"

1240+00 1250+00 1260+00 1270+00 1280+00 1290+00 1300+00 1310+00 1320+00 1330+00 1340+00 1350+00 1360+00 1370+00 1380+00

SAE TOWERS

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C	06/04/08	ALTERNATIVE LOCATIONS	MM	MM	CS	CS							
B	05/15/08	SPOTTING BASED ON LEAPS TOPO BASE	MM	MM	CS	CS							
A	04/11/08	FOR INFORMATION ONLY	MM	MM	CS	CS	D	09/10/08	DUE TO KEY MAP AND LEGENDS	MM	MM	CS	CS

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ENGR BY M. MENDIETA
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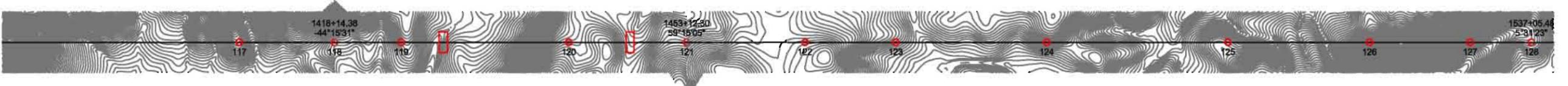☐ FOR APPROVAL
☐ FOR MANUFACTURE
☐ FOR CONSTRUCTION
☐ FOR RECORD

TITLE
NEVADA HYDRO COMPANY
LAKE ELSINORE ADVANCED PUMPED STORAGE PROJECT
500 kV TRANSMISSION LINE DESIGN
PLAN & PROFILE SHEET

SCALE AS SHOWN
DRAWING No. NHC-TLD-001
SHEET 10 CONT'D 11 REV D

LEGEND

○ STRUCTURE
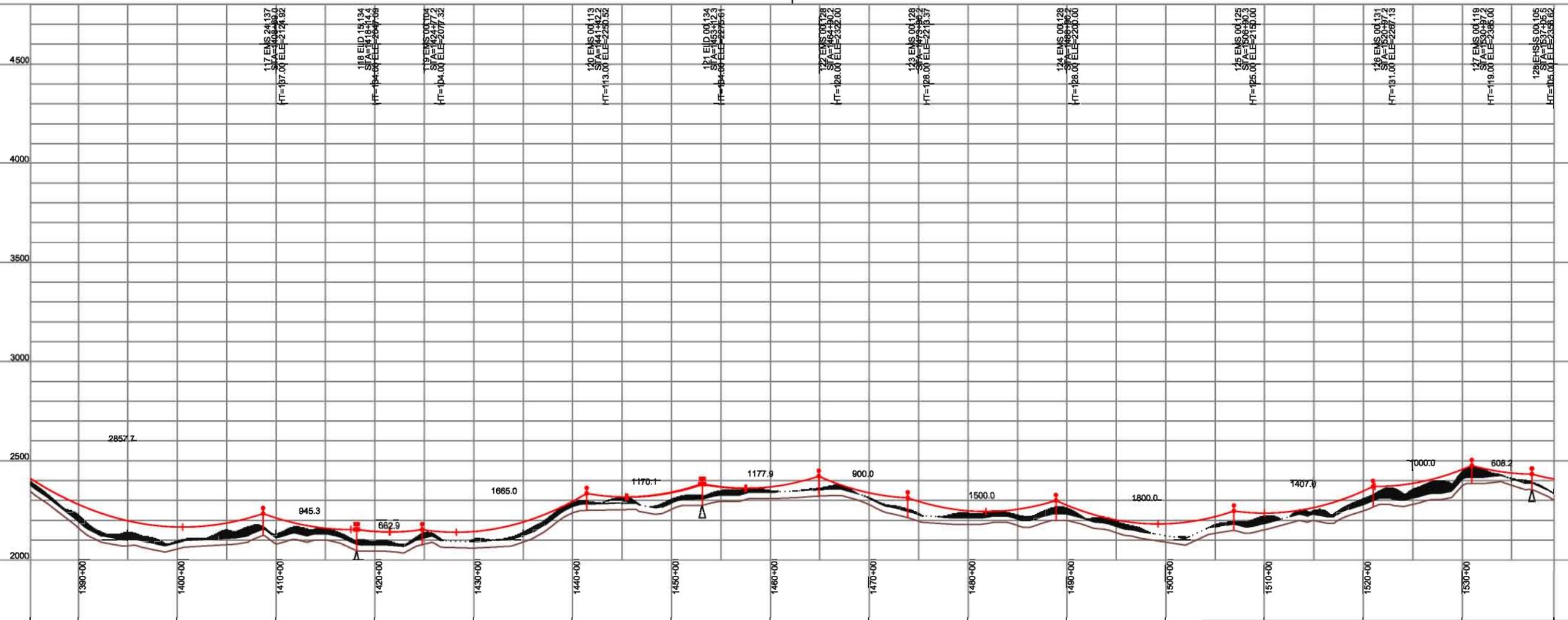
5 STRUCTURE NUMBER

☐ SPOTTING CONSTRAIN

LEAPS SAE R091008
9/10/2008
PAGE 10/11

NORTH

NORTH

500.0 FT. — HORIZ. SCALE

250.0 FT. — VERT. SCALE

113 - 118, BLUEBIRD ACSR WIR, RULING SPAN 2016 (FT), TENSION 15443 (LBS) AT 60 (DEG F) INITIAL
118 - 121, BLUEBIRD ACSR WIR, RULING SPAN 1358 (FT), TENSION 18132 (LBS) AT 60 (DEG F) INITIAL
121 - 130, BLUEBIRD ACSR WIR, RULING SPAN 1388 (FT), TENSION 18094 (LBS) AT 60 (DEG F) INITIAL

NORTH

REV	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY					
C	06/04/08	ALTERNATIVE LOCATIONS	MM	MM	CS	CS			DRAWN BY	M. MENDIETA
B	05/15/08	SPOTTING BASED ON LEAPS TOPO BASE	MM	MM	CS	CS			ENGR BY	M. MENDIETA
A	04/11/08	FOR INFORMATION ONLY	MM	MM	CS	CS	D	09/10/08	DUE TO KEY MAP AND LEGENDS	MM	MM	CS	CS	CHECKED BY	C. SUTOR
NO.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY	NO.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY	APVD BY	C. SUTOR

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☐ FOR MANUFACTURE
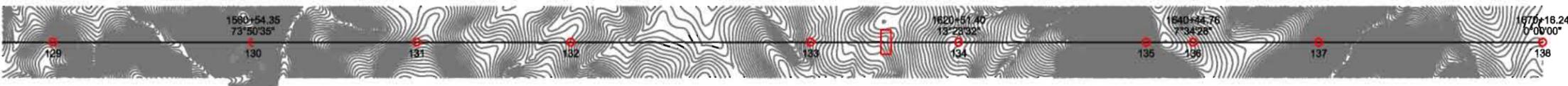☐ FOR CONSTRUCTION
☐ FOR RECORD

SAE TOWERS

TITLE: NEVADA HYDRO COMPANY
LAKE ELSINORE ADVANCED PUMPED STORAGE PROJECT
500 KV TRANSMISSION LINE DESIGN
PLAN & PROFILE SHEET

SCALE: AS SHOWN

DRAWING No. NHC-TLD-001

SHEET 11 CONT'D 12 REV D

PLS-CADD DRAWING

LEGEND
○ STRUCTURE
5 STRUCTURE NUMBER
□ SPOTTING CONSTRAIN

1560+54.35
73°50'35"

1620+51.40
13°23'32"

1640+44.76
7°34'26"

1670+16.24
0°00'00"

129 130 131 132 133 134 135 136 137 138

HORIZ. SCALE — 500.0 FT.
VERT. SCALE — 250.0 FT.

129 130, BLUEBIRD_ACSR.WIR, RULING SPAN 1386 (FT), TENSION 18094 (LBS) AT 60 (DEG F) INITIAL
130 138, BLUEBIRD_ACSR.WIR, RULING SPAN 1569 (FT), TENSION 16019 (LBS) AT 60 (DEG F) INITIAL

LEAPS SAE R091008
9/10/2008
PAGE 11/11

NORTH

Profile elevations: 4500, 4000, 3500, 3000, 2500, 2000

Span labels: 648.8, 1700.1, 1391.8, 1308.7, 2038.4, 1258.2, 1593.8, 399.5, 1068.5, 1903.0

Stationing: 1540+00, 1550+00, 1560+00, 1570+00, 1580+00, 1590+00, 1600+00, 1610+00, 1620+00, 1630+00, 1640+00, 1650+00, 1660+00, 1670+00

NO.	DATE	REVISION DESCRIPTION	DRAWN BY	ENGR BY	CHECKED BY	APVD BY
C	06/04/08	ALTERNATIVE LOCATIONS	MM	MM	CS	CS
B	05/15/08	SPOTTING BASED ON LEAPS TOPO BASE	MM	MM	CS	CS
A	04/11/08	FOR INFORMATION ONLY	MM	MM	CS	CS
D	09/10/08	DUE TO KEY MAP AND LEGENDS	MM	MM	CS	CS

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NEVADA HYDRO COMPANY
LAKE ELSINORE ADVANCED PUMPED STORAGE PROJECT
500 KV TRANSMISSION LINE DESIGN
PLAN & PROFILE SHEET

SCALE: AS SHOWN
DRAWING No.: NHC-TLD-001
SHEET: 12
CONT'D: –
REV: D

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