

DRAFT

ENGINEERING DEPARTMENT
TRACK SECTION
1600 SERIES DRAWINGS
567 WEST LAKE STREET
CHICAGO, ILLINOIS 60661



CHICAGO TRANSIT AUTHORITY

IN CHARGE	GCZ
APPROVED BY	
CHECKED BY	JH
DESIGNED BY	CTA
DRAWN BY	CTA
PROJECT NO	
FILE NAME	NM-21

7/2008	NEW CTA LOGO
1/2008	TRACK ALIGNMENT, CURVE, SWITCH DATA, PLATFORMS, ROW AND STREET ALIGNMENT

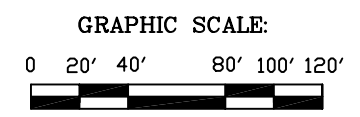
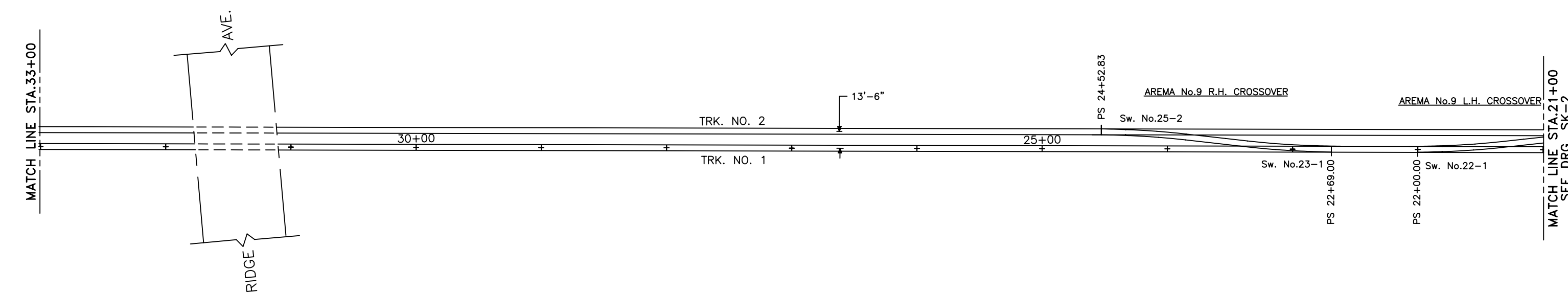
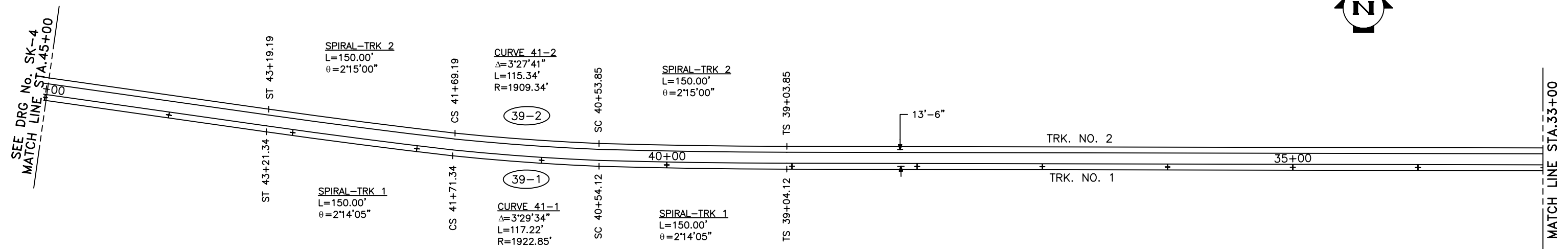
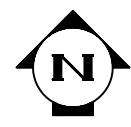
MARK	DATE	DESCRIPTION

SHEET TITLE

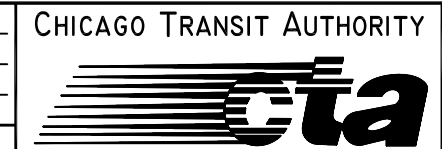
RED LINE
NORTH MAIN LINE
STA 546+00 -HOWARD YARD

NM-21



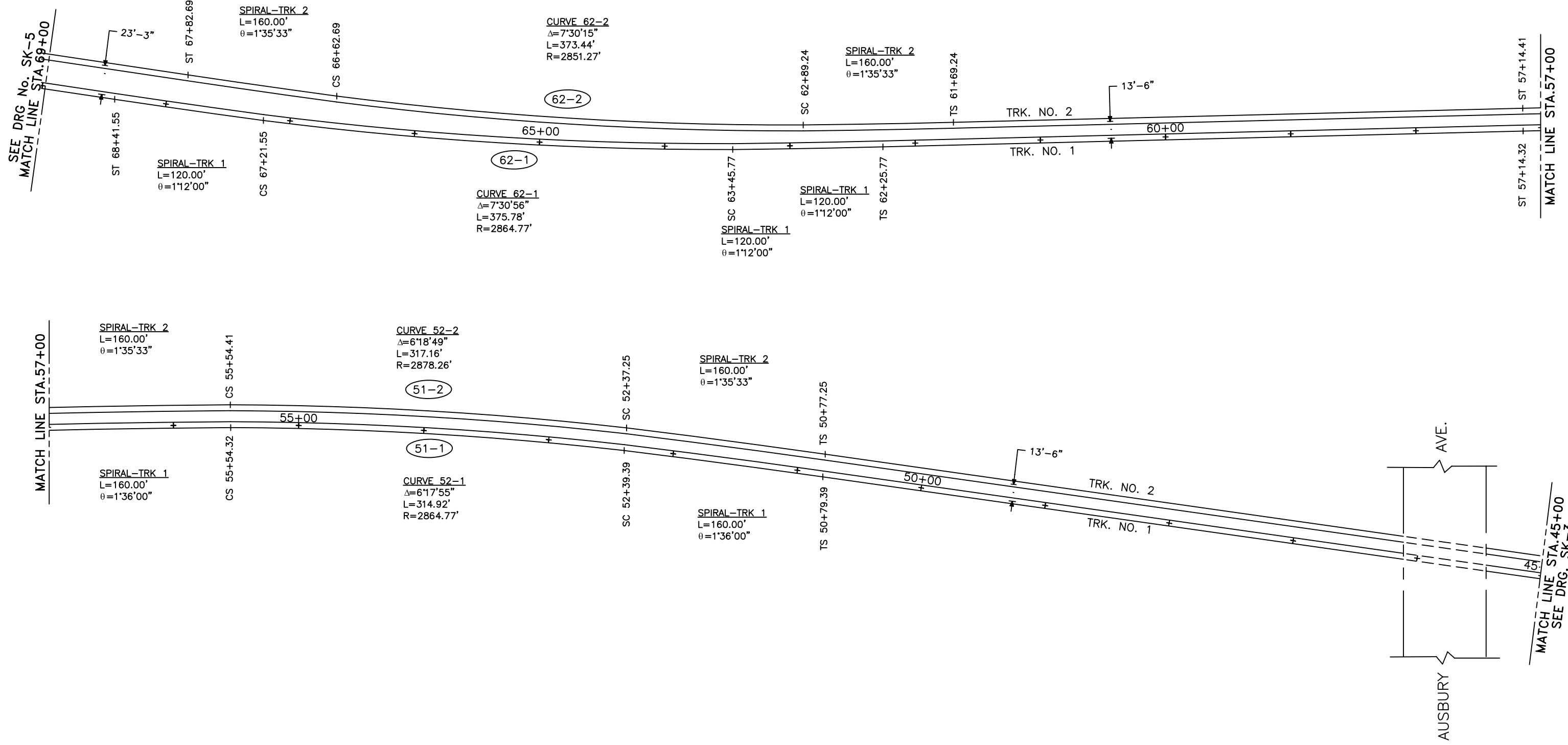
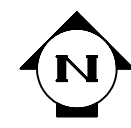


IN CHARGE	R. SCHRIKS				
DESIGNED BY	B. PAVUK				
DRAWN BY	ACAD				
CHECKED BY	J. HERNOBLER				
APPROVED BY	G. ZIKA				
REV.	DATE	DESCRIPTION	REV.	DATE	DESCRIPTION



RAPID TRANSIT SYSTEM - TRACK LAYOUT
1600 SERIES DRAWINGS
YELLOW LINE - SKOKIE BRANCH
STA. 21+00 TO 45+00
SCALE: 1"= 80' DATE: DECEMBER 21, 1990 J.O. No.

SHEET NO.
SK-3
OF
16



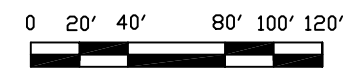
SEE DRG No. SK-5
MATCH LINE STA. 69+00

MATCH LINE STA. 57+00

MATCH LINE STA. 57+00

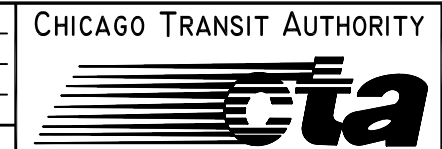
MATCH LINE STA. 45+00
SEE DRG. SK-3

GRAPHIC SCALE:



IN CHARGE R. SCHRIKS
DESIGNED BY B. PAVUK
DRAWN BY ACAD
CHECKED BY J. HERNDOBLE
APPROVED BY G. ZIKA

REV.	DATE	DESCRIPTION	REV.	DATE	DESCRIPTION



CHICAGO TRANSIT AUTHORITY
RAPID TRANSIT SYSTEM - TRACK LAYOUT
1600 SERIES DRAWINGS
YELLOW LINE - SKOKIE BRANCH
STA. 45+00 TO 69+00
SCALE: 1" = 80' DATE: DECEMBER 21, 1990 J.O. No.

SHEET NO.
SK-4
OF
16



SEE DRG No. SK-6
MATCH LINE STA. 93+00

CURVE 90-2
 $\Delta=2'47'12''$
 $L=278.02'$
 $R=5716.52'$

(90-2)

SPIRAL-TRK 2
 $L=80.00'$
 $\theta=0'24'03''$

SPIRAL-TRK 1
 $L=80.00'$
 $\theta=0'24'00''$

CURVE 90-1
 $\Delta=2'47'18''$
 $L=278.83'$
 $R=5729.52'$

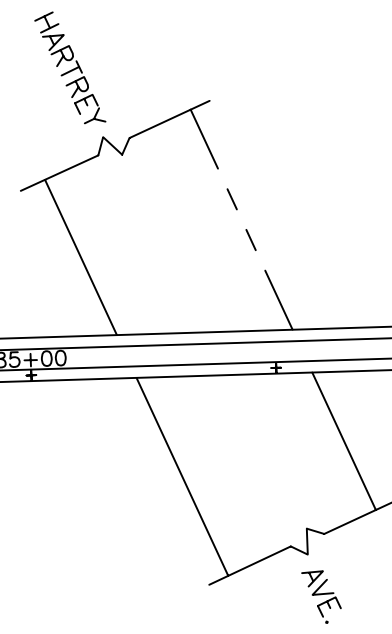
(90-1)

TRK. NO. 2
13'-6"

TRK. NO. 1

85+00

MATCH LINE STA. 81+00



MATCH LINE STA. 81+00

CURVE 73-2
 $\Delta=7'51'24''$
 $L=394.61'$
 $R=2877.77'$

(73-2)

SPIRAL-TRK 2
 $L=120.00'$
 $\theta=1'11'40''$

SPIRAL-TRK 1
 $L=120.00'$
 $\theta=1'11'40''$

CURVE 74-1
 $\Delta=7'44'45''$
 $L=371.80'$
 $R=2750.18'$

(74-1)

SPIRAL-TRK 2
 $L=120.00'$
 $\theta=1'11'40''$

SPIRAL-TRK 1
 $L=120.00'$
 $\theta=1'11'40''$

TRK. NO. 2

TRK. NO. 1

80+00

75+00

ABUTMENT STA. 72+35.00

DODGE

ABUTMENT STA. 70+45.00

AVE.

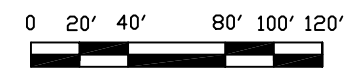
70+00

MATCH LINE STA. 69+00
SEE DRG. SK-4

13'-6"

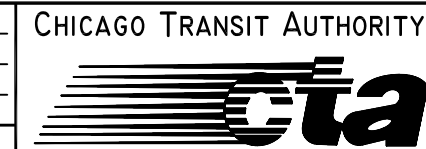
23'-3"

GRAPHIC SCALE:



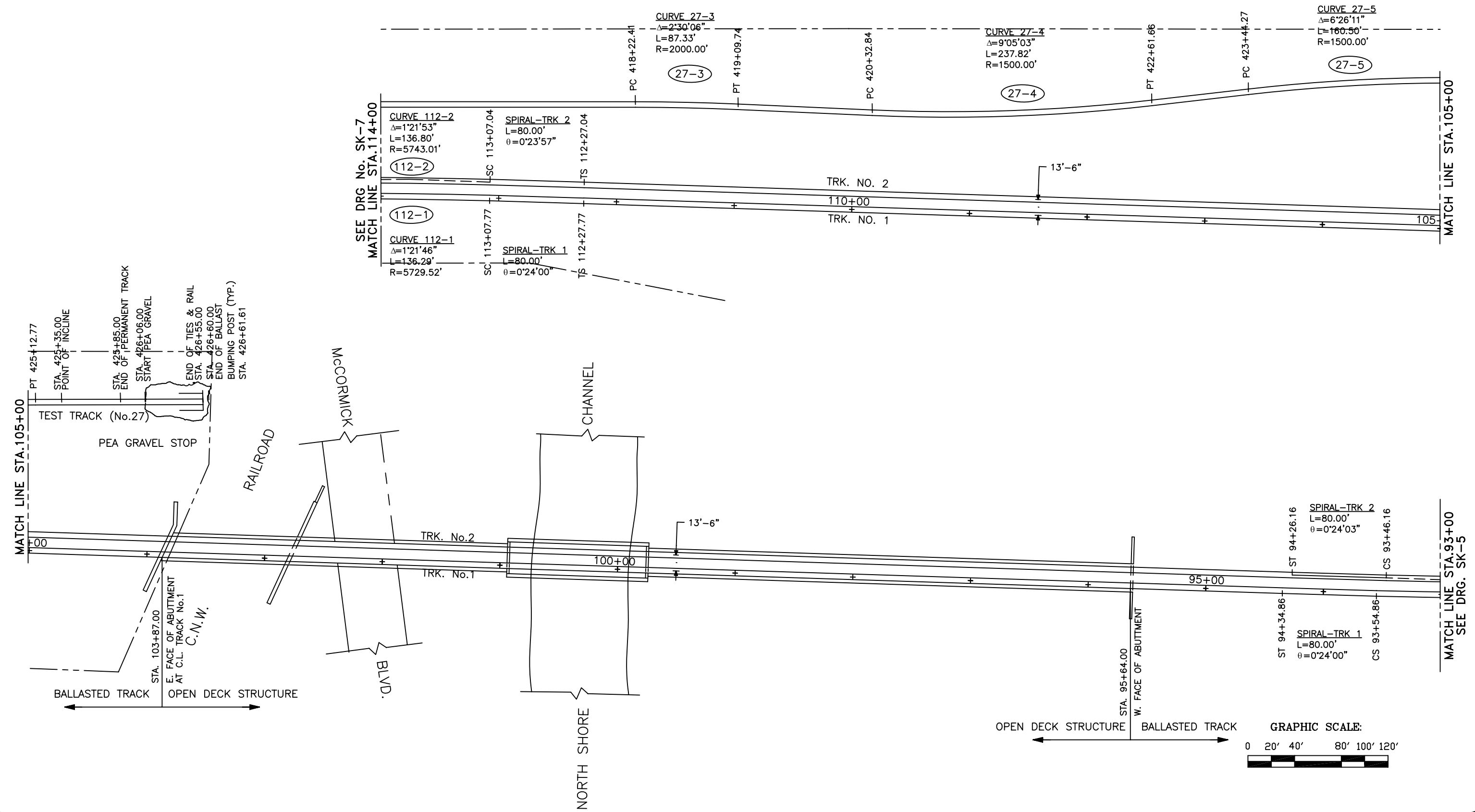
IN CHARGE R. SCHRIKS
DESIGNED BY B. PAVUK
DRAWN BY ACAD
CHECKED BY J. HERNOBLER
APPROVED BY G. ZIKA

REV.	DATE	DESCRIPTION	REV.	DATE	DESCRIPTION



CHICAGO TRANSIT AUTHORITY
RAPID TRANSIT SYSTEM - TRACK LAYOUT
1600 SERIES DRAWINGS
YELLOW LINE - SKOKIE BRANCH
STA. 69+00 TO 93+00
SCALE: 1"= 80' DATE: DECEMBER 21, 1990 J.O. No.

SHEET NO.
SK-5
OF
16

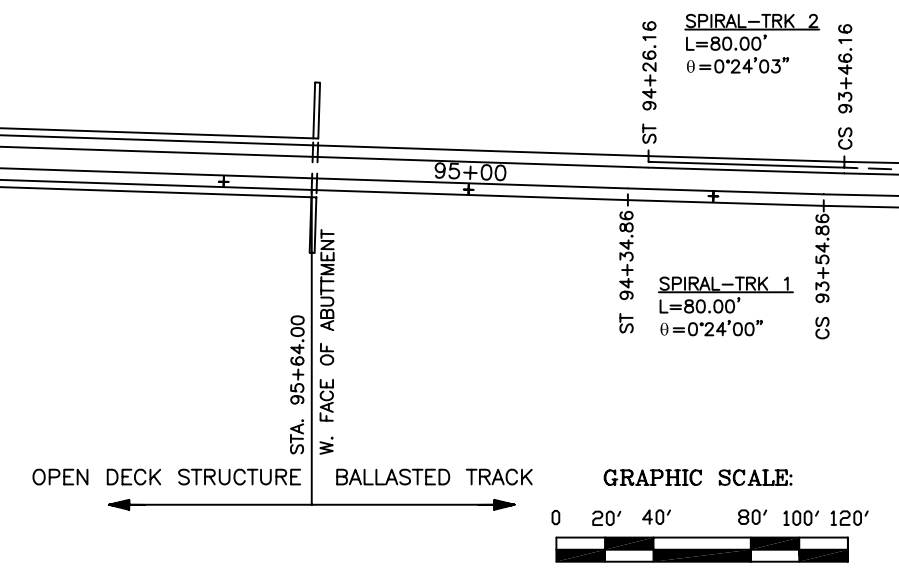
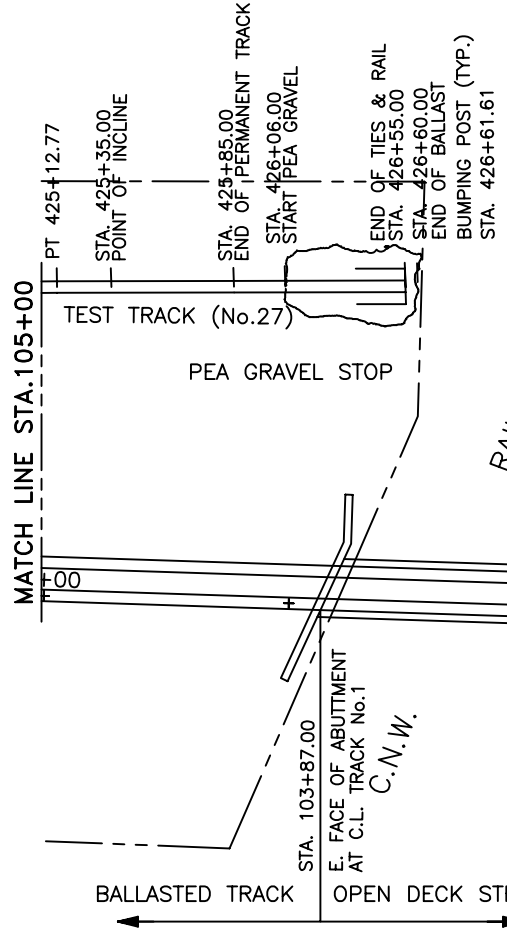


SEE DRG No. SK-7
MATCH LINE STA. 114+00

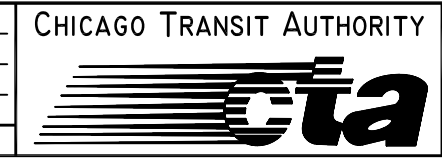
MATCH LINE STA. 105+00

MATCH LINE STA. 105+00

MATCH LINE STA. 93+00
SEE DRG. SK-5



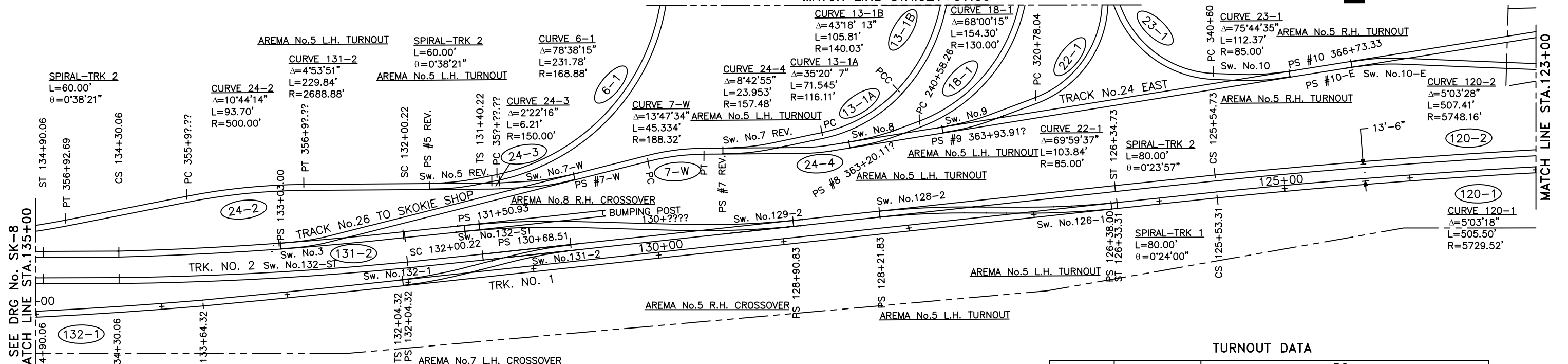
IN CHARGE	R. SCHRIKS				
DESIGNED BY	B. PAVUK				
DRAWN BY	ACAD				
CHECKED BY	J. HERNDOBLE				
APPROVED BY	G. ZIKA				
	REV.	DATE	DESCRIPTION	REV.	DATE



CHICAGO TRANSIT AUTHORITY
RAPID TRANSIT SYSTEM - TRACK LAYOUT
1600 SERIES DRAWINGS
YELLOW LINE - SKOKIE BRANCH
STA. 93+00 TO 114+00
SCALE: 1" = 80' DATE: DECEMBER 21, 1990 J.O. No.

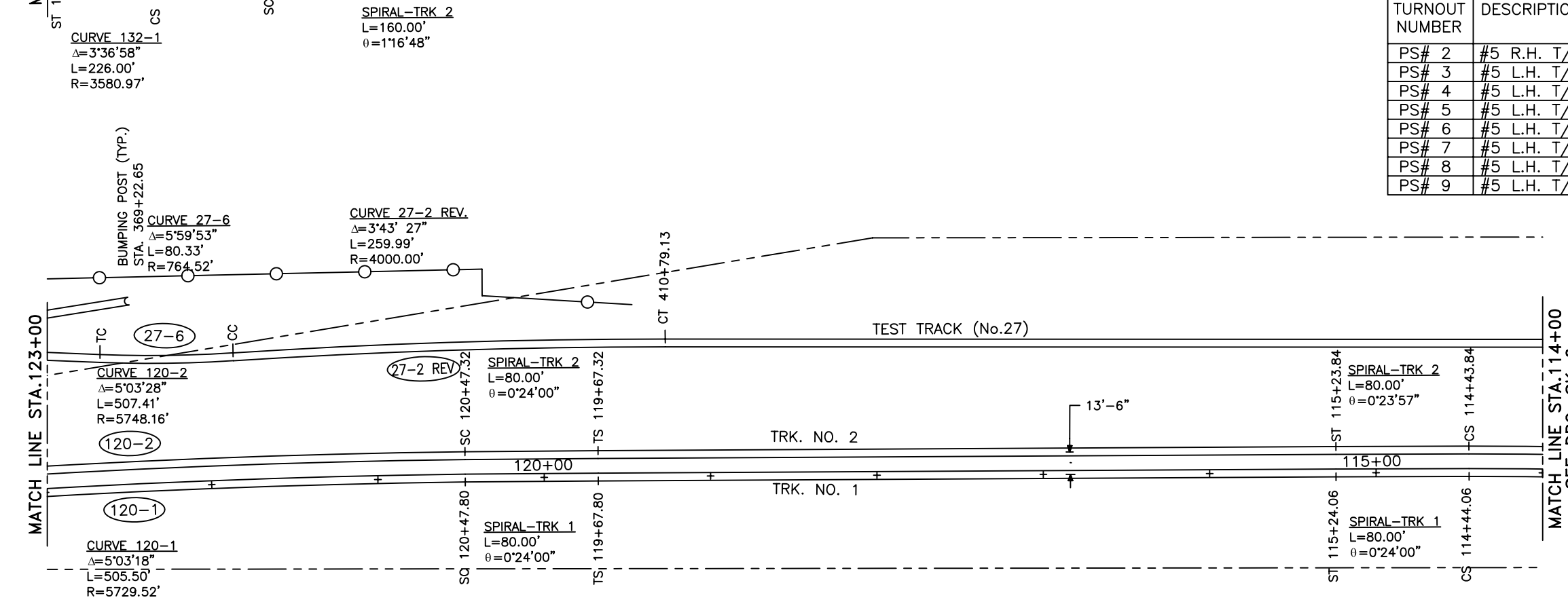
SHEET NO.
SK-6
OF
16

SEE DRG No. SK-7A SKOKIE YARD
MATCH LINE STA.321+81.88



TURNOUT DATA

TURNOUT NUMBER	DESCRIPTION	PS			
		TANGENT		DIVERGING	
		TRACK #	STATION	TRACK #	STATION
PS# 2	#5 R.H. T/O	28	456+54.73	25	381+19.85
PS# 3	#5 L.H. T/O	28	454+18.49	26	390+00.00
PS# 4	#5 L.H. T/O	24	361+24.64	26	392+65.33
PS# 5	#5 L.H. T/O	24	359+30.81	6	60+00.00
PS# 6	#5 L.H. T/O	24	361+61.68	27	400+00.00
PS# 7	#5 L.H. T/O	24	362+44.64	13	160+00.00
PS# 8	#5 L.H. T/O	24	363+20.11	18	240+00.00
PS# 9	#5 L.H. T/O	24	363+93.91	22	320+00.00



GRAPHIC SCALE:



IN CHARGE R. SCHRIKS
DESIGNED BY B. PAVUK
DRAWN BY ACAD
CHECKED BY J. HERNDOBLE
APPROVED BY G. ZIKA

REV.	DATE	DESCRIPTION	REV.	DATE	DESCRIPTION

CHICAGO TRANSIT AUTHORITY



RAPID TRANSIT SYSTEM - TRACK LAYOUT
1600 SERIES DRAWINGS
YELLOW LINE - SKOKIE BRANCH
STA. 114+00 TO 135+00 & SKOKIE YARD
SCALE: 1"= 80' DATE: DECEMBER 21, 1990 J.O. No.

SHEET NO.
SK-7
OF
16

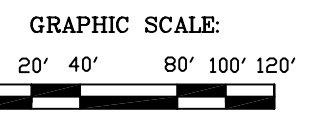
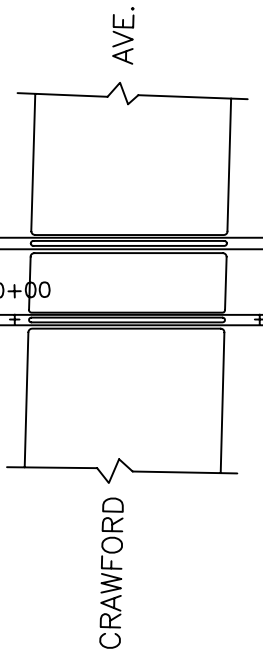
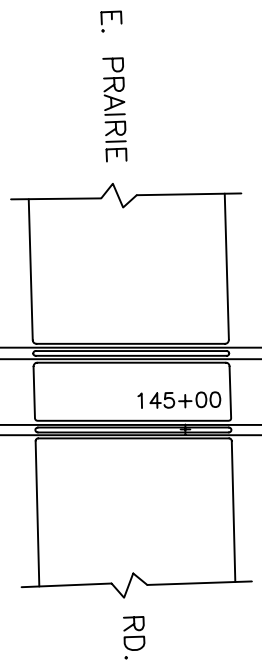
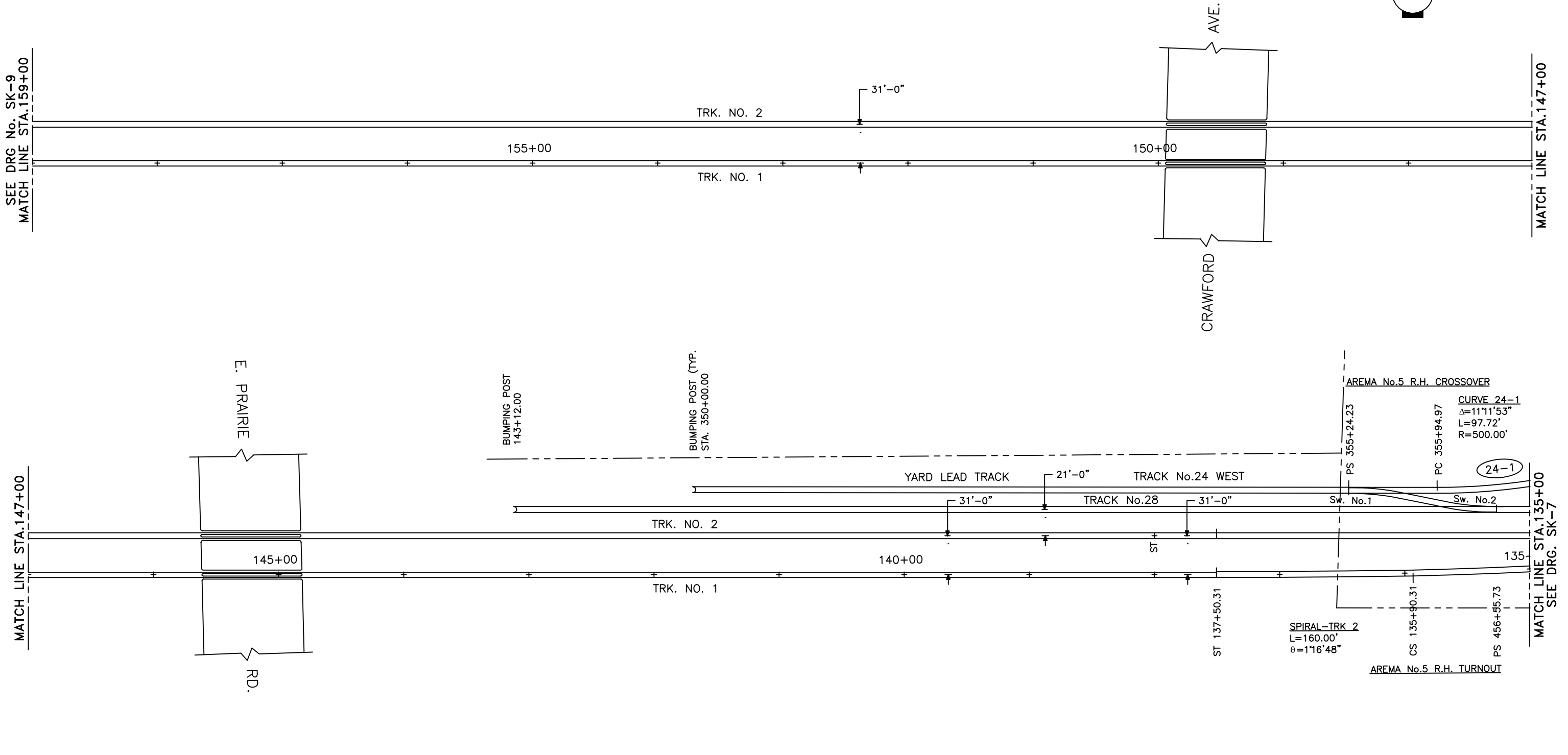


SEE DRG No. SK-9
MATCH LINE STA. 159+00

MATCH LINE STA. 147+00

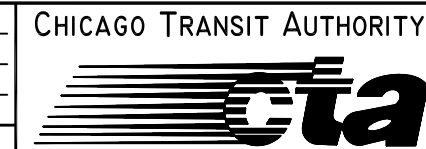
MATCH LINE STA. 147+00

MATCH LINE STA. 135+00
SEE DRG. SK-7



IN CHARGE	R. SCHRIKS
DESIGNED BY	B. PAVUK
DRAWN BY	ACAD
CHECKED BY	J. HERNOBLER
APPROVED BY	G. ZIKA

REV.	DATE	DESCRIPTION	REV.	DATE	DESCRIPTION



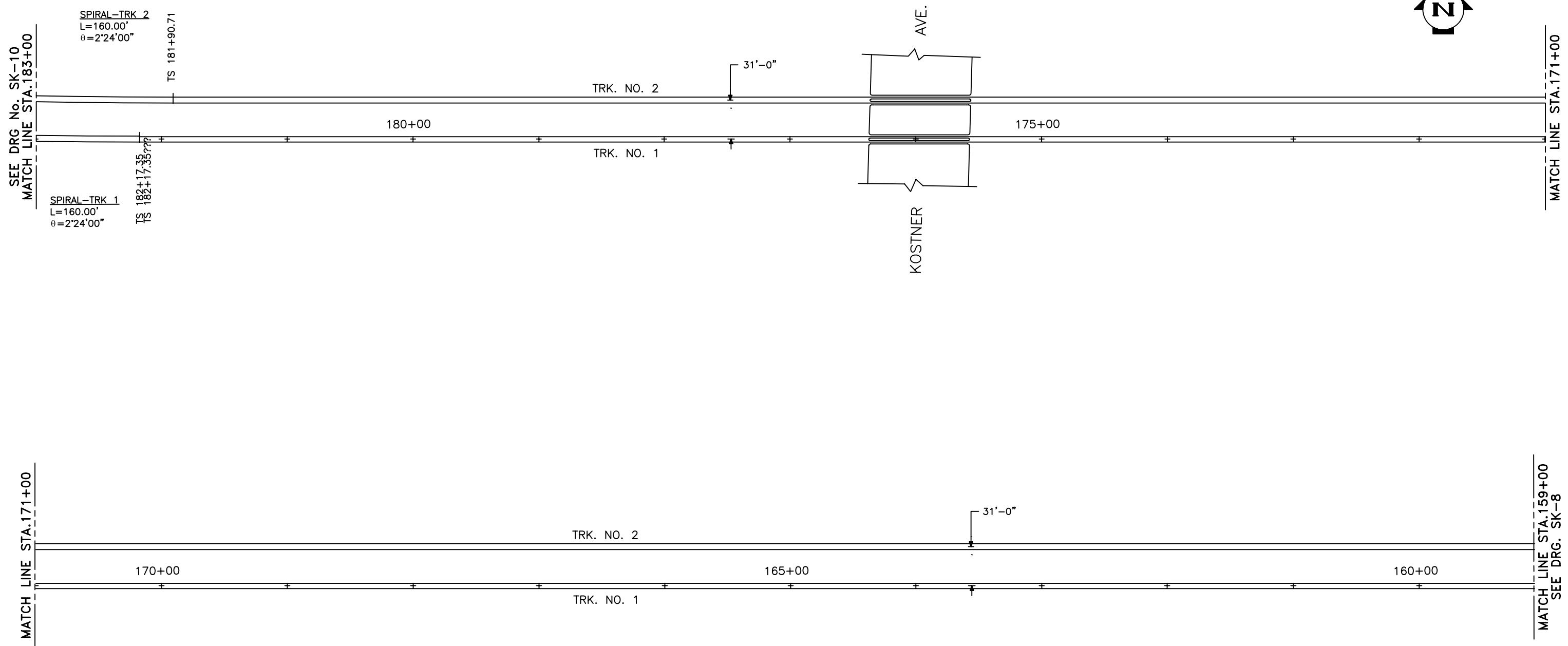
CHICAGO TRANSIT AUTHORITY

RAPID TRANSIT SYSTEM - TRACK LAYOUT
1600 SERIES DRAWINGS

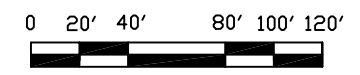
YELLOW LINE - SKOKIE BRANCH
STA. 135+00 TO 159+00

SCALE: 1"= 80' DATE: DECEMBER 21, 1990 J.O. No.

SHEET NO.
SK-8
OF
16

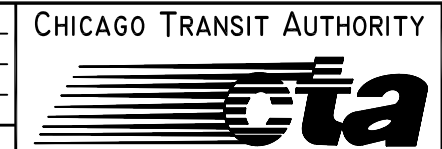


GRAPHIC SCALE:



IN CHARGE R. SCHRIKS
 DESIGNED BY B. PAVUK
 DRAWN BY ACAD
 CHECKED BY J. HERNOBLER
 APPROVED BY G. ZIKA

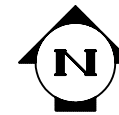
REV.	DATE	DESCRIPTION	REV.	DATE	DESCRIPTION



RAPID TRANSIT SYSTEM - TRACK LAYOUT
 1600 SERIES DRAWINGS
YELLOW LINE - SKOKIE BRANCH
 STA. 159+00 TO 183+00
 SCALE: 1"= 80' DATE: DECEMBER 21, 1990 J.O. No.

SHEET NO.
SK-9
 OF
 16

SEE DRG No. SK-11
MATCH LINE STA. 195+00



CURVE 182-1
 $\Delta = 58^{\circ}16'47''$
 $L = 1942.65'$
 $R = 1909.85'$

CURVE 182-2
 $\Delta = 49^{\circ}28'44''$
 $L = 1649.29'$
 $R = 1909.85'$

190+00

TRK. NO. 2

TRK. NO. 1

185+00

SPIRAL-TRK 2
 $L = 160.00'$
 $\theta = 2^{\circ}24'00''$

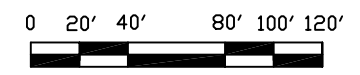
SPIRAL-TRK 1
 $L = 160.00'$
 $\theta = 2^{\circ}24'00''$

SC 183+50.71

SC 183+77.35

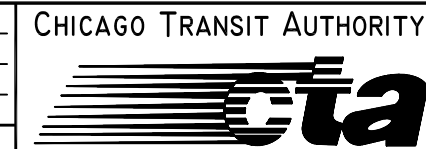
MATCH LINE STA. 183+00
 SEE DRG. SK-9

GRAPHIC SCALE:



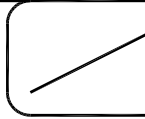
IN CHARGE R. SCHRIKS
 DESIGNED BY B. PAVUK
 DRAWN BY ACAD
 CHECKED BY J. HERNOBLER
 APPROVED BY G. ZIKA

REV.	DATE	DESCRIPTION	REV.	DATE	DESCRIPTION



RAPID TRANSIT SYSTEM - TRACK LAYOUT
 1600 SERIES DRAWINGS
YELLOW LINE - SKOKIE BRANCH
 STA. 183+00 TO 195+00
 SCALE: 1" = 80' DATE: DECEMBER 21, 1990 J.O. No.

SHEET NO.
SK-10
 OF
16



SEE DRG No. SK-12
MATCH LINE STA. 207+00
CS 206+31.61

CURVE 207-1
Δ=3°47'17"
L=249.33'
R=4000.05'

205+00

CURVE 203-2
Δ=19°15'51"
L=631.61'
R=1878.55'

CURVE 203-1
Δ=8°44'40"
L=262.33'
R=1718.88'

PCC 203+20.00

TRK. NO. 1

200+00

PCC 200+00.00

TRK. NO. 2

SKOKIE

BLVD.

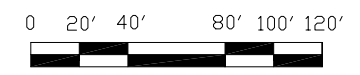
182-2

182-1

195

MATCH LINE STA. 195+00
SEE DRG. SK-10

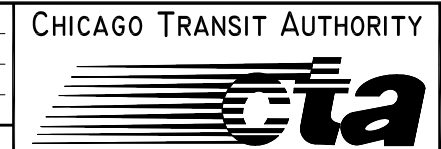
GRAPHIC SCALE:



IN CHARGE R. SCHRIKS
DESIGNED BY B. PAVUK
DRAWN BY ACAD
CHECKED BY J. HERNDOLER
APPROVED BY G. ZIKA

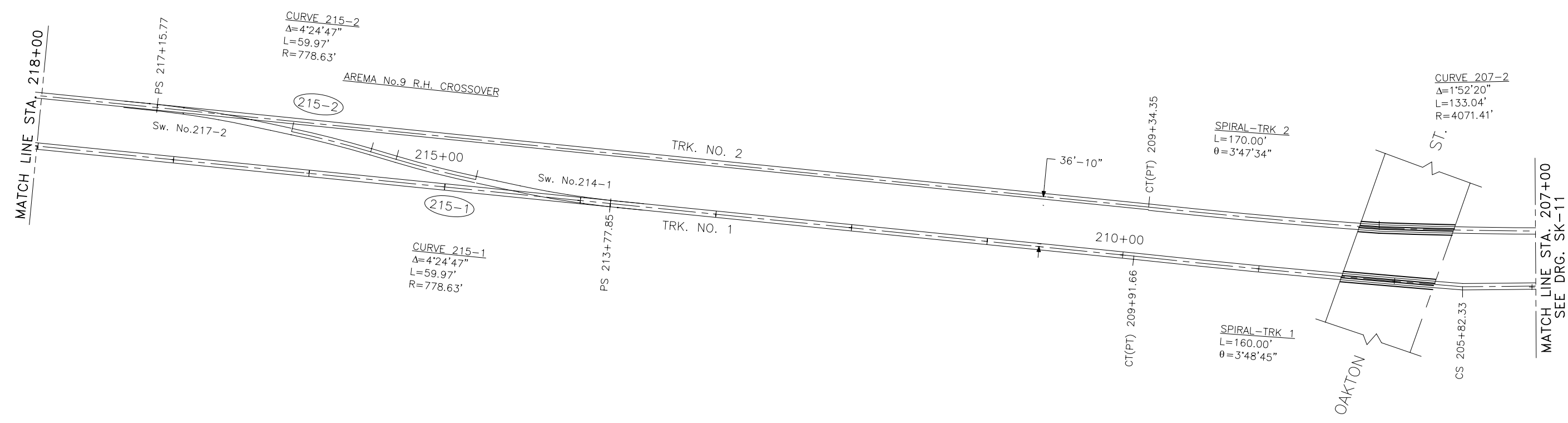
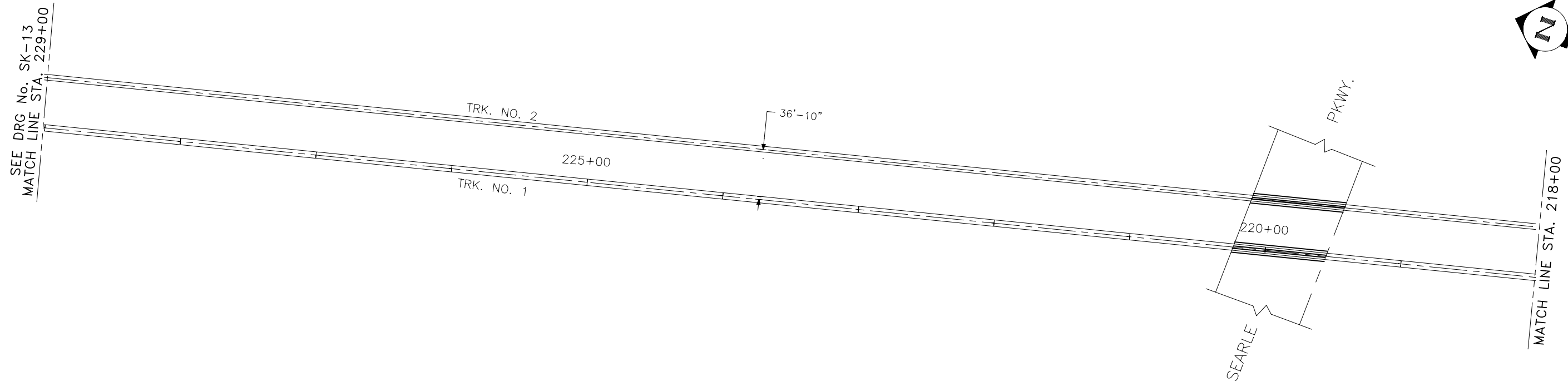
REV.	DATE	DESCRIPTION

REV.	DATE	DESCRIPTION



RAPID TRANSIT SYSTEM - TRACK LAYOUT
1600 SERIES DRAWINGS
YELLOW LINE - SKOKIE BRANCH
STA. 195+00 TO 207+00
SCALE: 1" = 80' DATE: DECEMBER 21, 1990 J.O. No.

SHEET No.
SK-1
OF
16



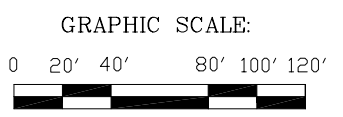
CURVE 215-2
 $\Delta=4^{\circ}24'47''$
 $L=59.97'$
 $R=778.63'$

CURVE 215-1
 $\Delta=4^{\circ}24'47''$
 $L=59.97'$
 $R=778.63'$

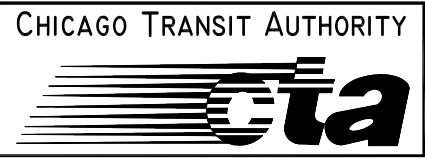
CURVE 207-2
 $\Delta=1^{\circ}52'20''$
 $L=133.04'$
 $R=4071.41'$

SPIRAL-TRK 1
 $L=160.00'$
 $\theta=3^{\circ}48'45''$

SPIRAL-TRK 2
 $L=170.00'$
 $\theta=3^{\circ}47'34''$



IN CHARGE	R. SCHRIKS				
DESIGNED BY	B. PAVUK				
DRAWN BY	ACAD				
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REV.	DATE	DESCRIPTION	REV.	DATE	DESCRIPTION



RAPID TRANSIT SYSTEM - TRACK LAYOUT
 1600 SERIES DRAWINGS
YELLOW LINE - SKOKIE BRANCH
 STA. 207+00 TO 229+00
 SCALE: 1" = 80' DATE: DECEMBER 21, 1990 J.O. No.

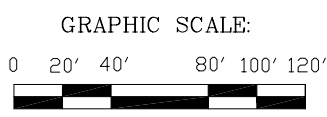
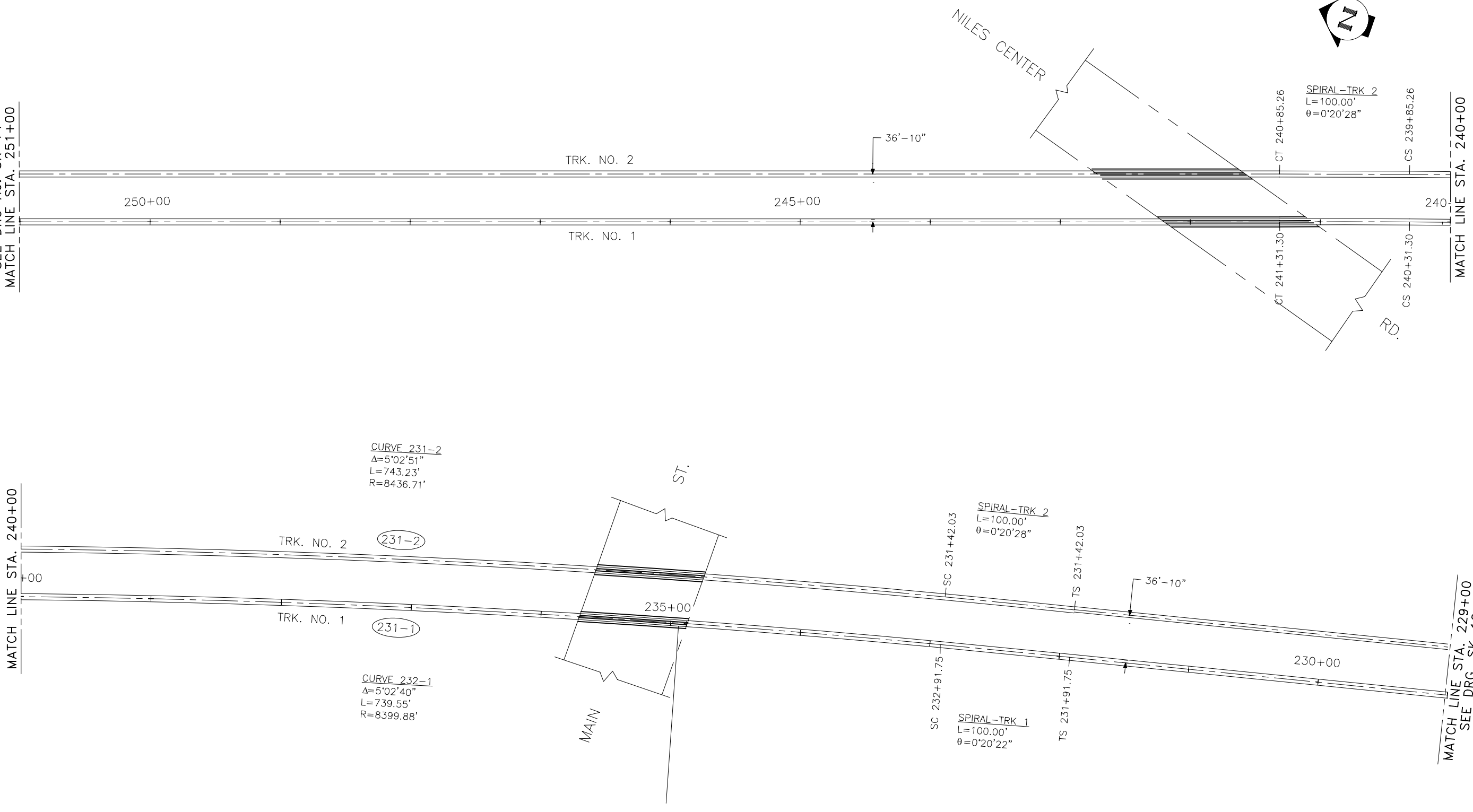


SEE DRG No. SK-14
MATCH LINE STA. 251+00

MATCH LINE STA. 240+00

MATCH LINE STA. 240+00

MATCH LINE STA. 229+00
SEE DRG. SK-12

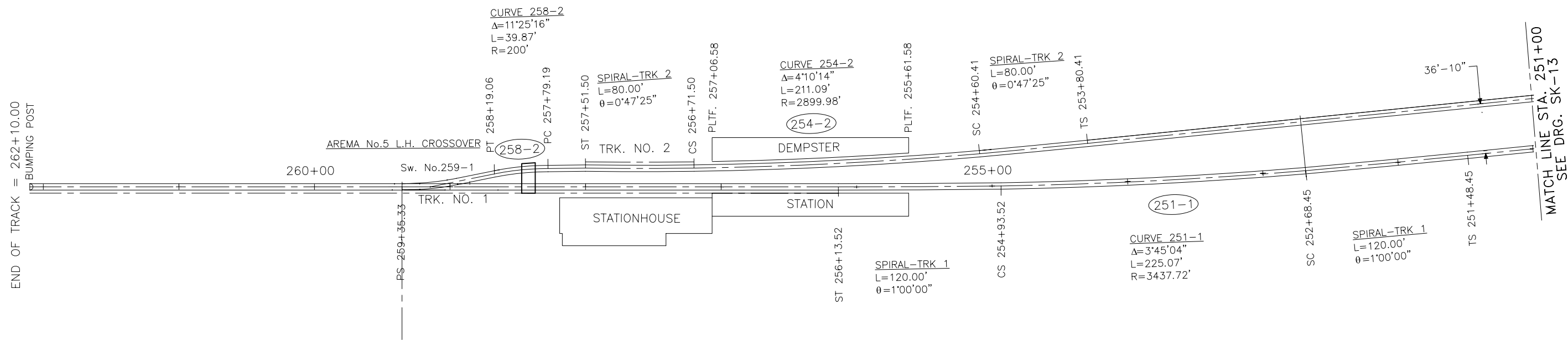
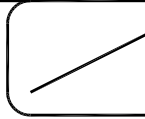


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APPROVED BY	G. ZIKA				
REV.	DATE	DESCRIPTION	REV.	DATE	DESCRIPTION



RAPID TRANSIT SYSTEM - TRACK LAYOUT
1600 SERIES DRAWINGS
YELLOW LINE - SKOKIE BRANCH
STA. 229+00 TO 251+00
SCALE: 1" = 80' DATE: DECEMBER 21, 1990 J.O. No.

SHEET N
SK-1
OF
16



GRAPHIC SCALE:



IN CHARGE R. SCHRIKS
 DESIGNED BY B. PAVUK
 DRAWN BY ACAD
 CHECKED BY J. HERNDOLBLER
 APPROVED BY G. ZIKA

REV.	DATE	DESCRIPTION	REV.	DATE	DESCRIPTION



RAPID TRANSIT SYSTEM - TRACK LAYOUT
 1600 SERIES DRAWINGS
YELLOW LINE - SKOKIE BRANCH
 STA. 251+00 TO 262+10
 SCALE: 1" = 80' DATE: DECEMBER 21, 1990 J.O. No.

SHEET N
SK-1.
 OF
16