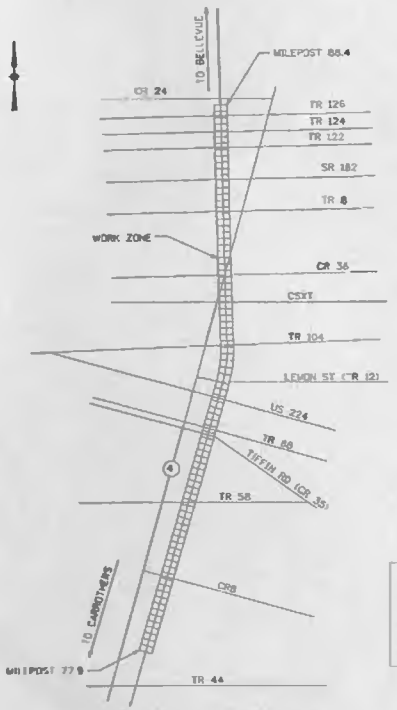
NORFOLK SOUTHERN

RECEIVED
APR 11 2000
SENECA COUNTY ENGINEER'S OFFICE

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING PROJECT
MILEPOST S–78.1 TO S–88.4



PROJECT LOCATION

AREA IN CONSTRUCTION LIMITS – 78.9 ac.
AREA IN DISTURBED LIMITS – 35.2 ac.

GENERAL INFORMATION

OPERATOR: NORFOLK SOUTHERN RAILWAY COMPANY
OWNER: NORFOLK SOUTHERN CORPORATION

W. H. DUNCAN
CHIEF ENGINEER – DESIGN & CONSTRUCTION
175 SPRING STREET, S.W.
ATLANTA, GEORGIA 30303

DESIGNED BY: NORFOLK SOUTHERN CORP
R. C. ZALUSKI II
SENIOR DESIGN AND INDUSTRIAL DEVELOPMENT ENGINEER
C. L. BROWN
DESIGN AND INDUSTRIAL DEVELOPMENT ENGINEER
175 SPRING STREET, S.W.
ATLANTA, GEORGIA 30303
(404) 658-3283 FAX (404) 658-3333

CONSTRUCTION SUPERVISION: NORFOLK SOUTHERN CORP
J. R. LAMKIN
ASSISTANT CHIEF ENGINEER – CONSTRUCTION
175 SPRING STREET, S.W.
ATLANTA, GEORGIA 30303
(404) 658-3283, FAX (404) 658-3283

J. L. FLORIDIA
SENIOR CONSTRUCTION ENGINEER
CELL: (404) 375 – 9473

TABLE OF CONTENTS

SHEET NUMBER	DESCRIPTION
1	SCHEMATIC PROJECT OVERVIEW
2	RW FENCE DETAIL & TYPICAL SECTION
3	EROSION DETAILS
4	EROSION DETAILS
5 – 45	PLAN VIEWS
46 – 178	CROSS SECTIONS
179 – 185	GRADE CROSSING PROFILES

U.S.G.S. QUADRANGLE: ATTICA, OHIO and FLAT ROCK, OHIO

SENECA COUNTY, VENICE TOWNSHIP
W. 1/2 SECTION 33, T.1 N., R.18 E.
S.E. 1/4 SECTION 21, T. 1 N., R. 18 E.
N.W. 1/4 SECTION 22, T. 1 N., R. 18 E.
W. 1/2 SECTION 15, T. 1. N., R. 18 E.
E. 1/2 SECTON 10, T. 1. N., R. 18 E.
W. 1/2 SECTON 2, T. 1. N., R. 18 E.

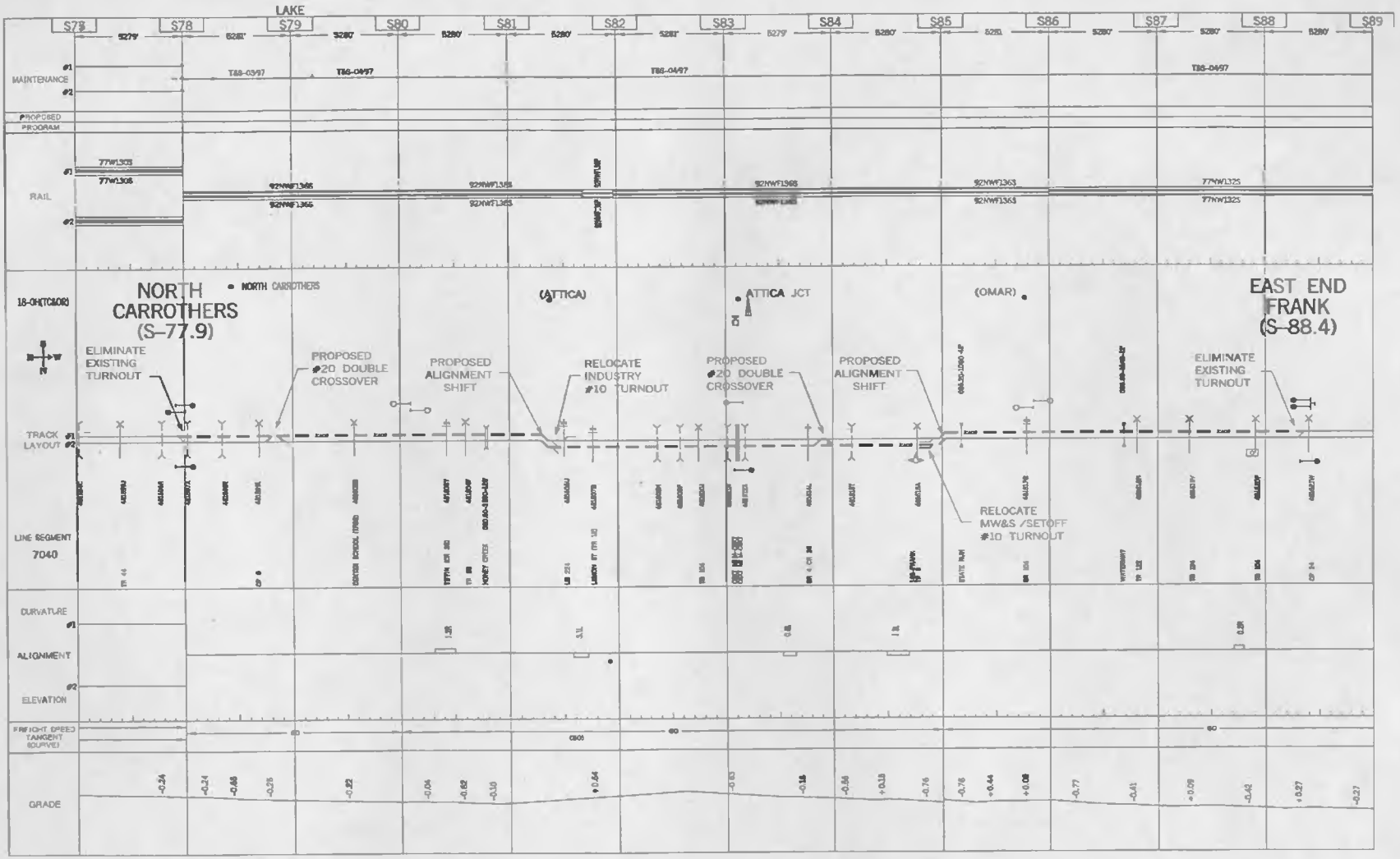
SENECA COUNTY, REED TOWNSHIP
W. 1/2 SECTION 35, T.2 N., R.17 E.
W. 1/2 SECTION 26, T. 2 N., R. 17 E.
W. 1/2 SECTION 23, T. 2 N., R. 17 E.
CENTER OF SECTON 14, T. 2. N., R. 17 E.
CENTER OF SECTON 11, T. 2. N., R. 17 E.
S. 1/2 SECTON 2, T. 2. N., R. 17 E.

NOTE: Contractor shall arrange for all utility location prior to commencement of any construction activities. Contact OHIO UTILITY PROTECTION SERVICE at 1-800-326-2764

NORFOLK SOUTHERN RAILWAY COMPANY
LAKE

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
COVER SHEET

TB 1999-86



ATTICA SEGMENT

SCALE: NTS

DO NOT SCALE THIS DRAWING FOR DIMENSIONS NOT GIVEN

NORFOLK SOUTHERN

NORFOLK SOUTHERN RAILWAY CO.
OPERATING COMPANY
LAKE
OPERATING DIVISION
OFFICE OF THE CHIEF ENGINEER - DESIGN AND CONSTRUCTION - ATLANTA, GA.

REV	BY	DATE	DESCRIPTION
R-1		NOV 13 '00	ALIGNMENT SHIFT & NAME CHANGE

ATTICA, OHIO

SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4

DSN DAB	V-18 OH	MAP MULTIPLE	S-78 TO 88
DWN DAB	107-1-6216	DRAWING NUMBER	TB-1999-86 R1
CHK DAB	DECEMBER 6, 1999		

CAD FILE:
FIELD BOOK:

SHEET 1 OF 1

POSTS:

Wooden Posts to be used as Brace Posts, Gate Posts, Corner Posts, and at the bottom of sharp depressions, and on curves as may be necessary to hold line. Post size as shown in plan. All other posts to be Tee Section 7'-6" Steel Posts with steel anchor plate and a minimum of 5 wire fastners each.

OTHER MATERIALS:

All materials shall comply with the quality standards set forth in the NS Standard Specification "RF – Right of Way Fence".

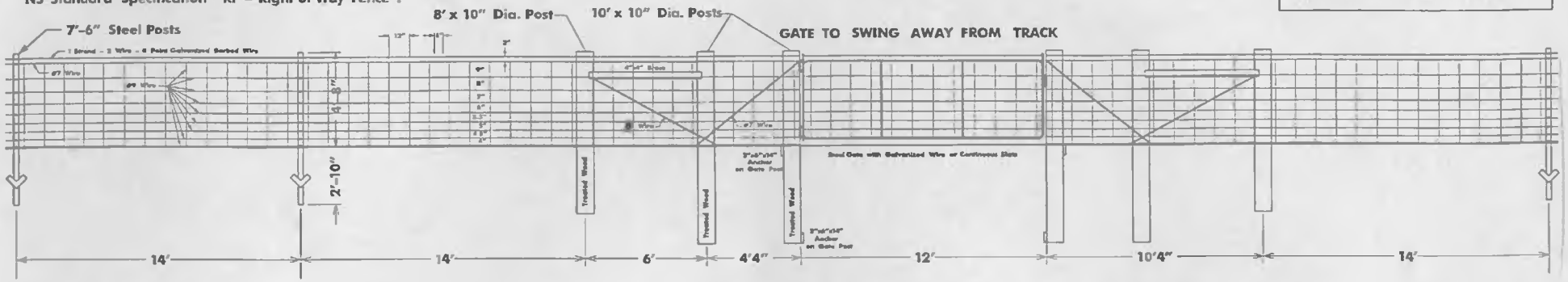
TYPICAL DETAILS OF RIGHT OF WAY FENCE

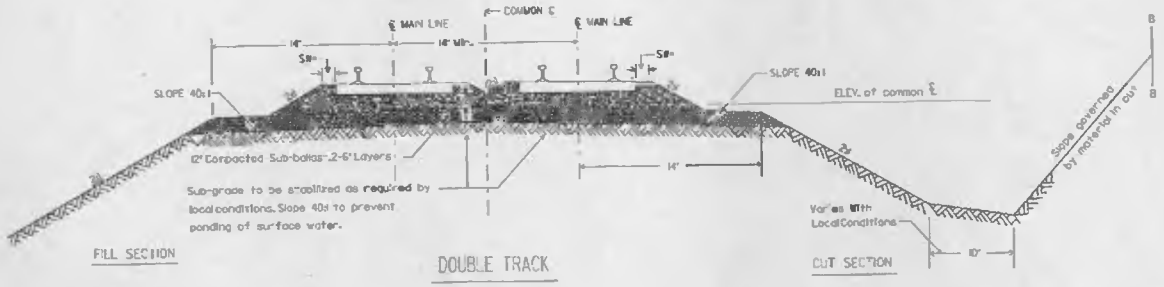
NOT TO SCALE

BILL OF MATERIAL FOR ONE (1) MILE

- 5280 ft – Woven Wire
- 5280 ft – Barbed Wire
- 248 ft – #7 Brace Wire
- 377 Posts (see note)
- 8 Brace Posts
- Staples (as required)
- 2 Gates (average)

Typical Installation – Payment based on actual quantity installed.





SHOULDER WIDTH (SW)

BALLAST WIDTH FROM END OF TIE TO EDGE EDGE OF SLOPE

	Jointed Rail	Welded Rail
SW (Inside of Curve)	0"	6"
SW (Outside of Curve)	6"	12"
SW (Tangent both sides)	0"	6"

SCALE: NTS

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NORFOLK SOUTHERN

NORFOLK SOUTHERN RAILWAY COMPANY

OWNING COMPANY

LAKE

OPERATING DIVISION

OFFICE OF THE CHIEF ENGINEER – DESIGN AND CONSTRUCTION – ATLANTA, GA

REV	BY	DATE	DESCRIPTION

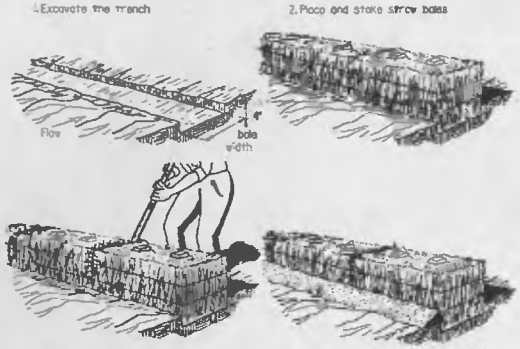
LOCATION: ATTICA, OHIO

TITLE: SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.1
TYPICAL SECTION /RW FENCE DETAIL

DSN RCZ	TRK SEC V-18 OH	MAP 245 TO 255	MILE POST S78 TO S88
DWN RCZ	FILE 107-1-6216	DRAWING NUMBER TB-1999-86	
CHK	DATE APRIL 06, 2000		

CADD FILE:
FIELD BOOK:
V1-

SHEET 2 OF

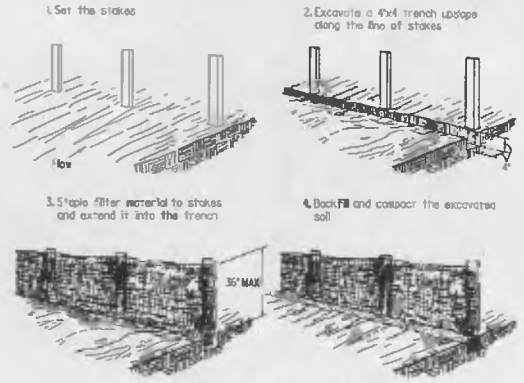


CONSTRUCTION OF A STRAW BALE BARRIER
Parallel to contour

Points A should be higher than point B

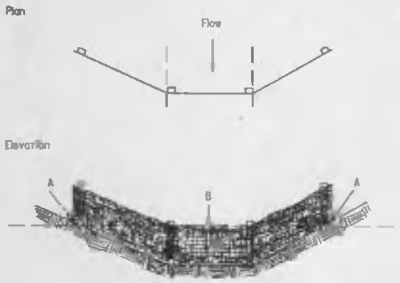
PROPER PLACEMENT OF STRAW BALE BARRIER IN DRAINAGE WAY
Perpendicular to contour

NORFOLK SOUTHERN CORPORATION
EROSION AND SEDIMENT CONTROL PRACTICES



CONSTRUCTION OF A FILTER BARRIER

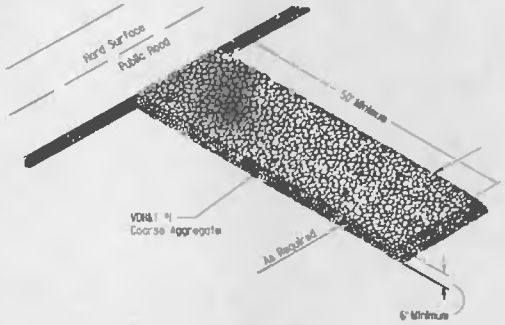
NORFOLK SOUTHERN CORPORATION
EROSION AND SEDIMENT CONTROL PRACTICES



Points A should be higher than point B

PROPER PLACEMENT OF A FILTER BARRIER IN A DRAINAGE WAY

NORFOLK SOUTHERN CORPORATION
EROSION AND SEDIMENT CONTROL PRACTICES



GRAVEL CONSTRUCTION ENTRANCE

NORFOLK SOUTHERN CORPORATION
EROSION AND SEDIMENT CONTROL PRACTICES

SCALE: NTS

NORFOLK SOUTHERN

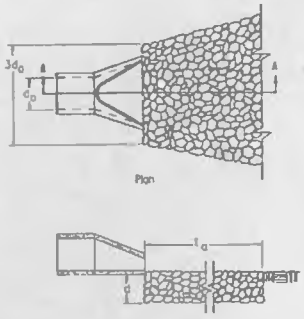
NORFOLK SOUTHERN RAILWAY COMPANY

LAKE

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-20.1 TO S-21.4
EROSION DETAILS

TB-1999-86

PIPE OUTLET CONDITIONS



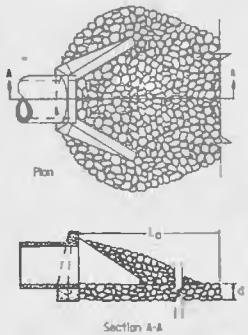
Pipe Outlet To Flat Area With No Defined Channel

NOTES

4. Apron lining may be riprap, grouted riprap, or concrete.
2. L_a is the length of the riprap apron as calculated using Plates of VEBSC Handbook.
3. d = 1.5 times the maximum stone diameter but not less than 6 inches.
4. Grade of apron must be flat and equal to the invert of the receiving channel.
5. When discharge is to a well-defined channel, side slope of channel will not exceed 2:1.

NORFOLK SOUTHERN CORPORATION
EROSION AND SEDIMENT CONTROL PRACTICES

PIPE OUTLET CONDITIONS (Continued)



Pipe Outlet To Well-Defined Channel

NOTES

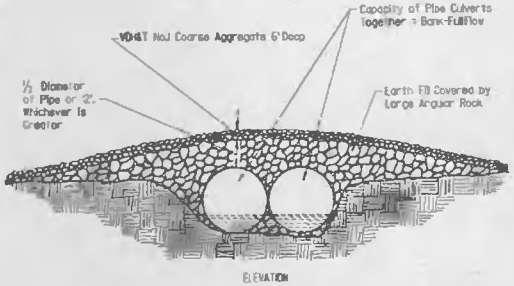
1. Apron lining may be riprap, grouted riprap, or concrete.
2. L_a is the length of the riprap apron as calculated using Plates of VEBSC Handbook.
3. d = 1.5 times the maximum stone diameter but not less than 6 inches.
4. Grade of apron must be flat and equal to the invert of the receiving channel.
5. When discharge is to a well defined channel, side slope of channel will not exceed 2:1.

NORFOLK SOUTHERN CORPORATION
EROSION AND SEDIMENT CONTROL PRACTICES

GENERAL NOTES - SOIL EROSION AND SEDIMENTS CONTROL

1. All distured areas are to be stabilized immediatly upon completion of grading.
2. The soil and sediment control devices shall be installed in a manner to minimize erosion of distured areas and prevent sediment from leaving the project site including all drainage ways.
3. The contractor must maintain erosion control devices in proper working order and remove all erosion control devices upon completion of grading stabilization.
4. Silt barriers and all other erosion and sediment control practies shall be inspected at least weekly and after each rain fall.
5. Required repairs shall be made immediately. Sediment deposits shall be removed prior to exceeding one half the height of the silt barrier.
6. All seeded and mulched areas shall be inspected at least weekly and after each rain fall. Required repairs shall be made immediately to any areas that are damaged, bare, or where gullies have appeared by filling, re-fertilizing, re-seeding, and re-mulching.
7. Soil erosion and sediment control measures and maintenance shall be in compliance with the Ohio handbook - RAIN WATER AND LAND DEVELOPMENT, the Norfolk Southern General Plan for Erosion and Sediment Control, if not found elsewhere, then as directed by the Project Engineer.
8. Due to actual field conditions, All Erosion and Sedimentation Control Devices shown may not be required. Installation requirements shall be mutually agreed upon by NS Engineer and Contractor.
9. Locations shown for devices are approximate. Actual Field Conditions shall govern placement.

TEMPORARY STREAM CROSSING

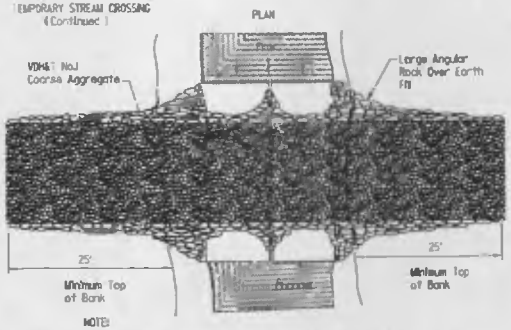


NOTE:

1. The use of temporary stream crossings will be limited to drainage areas less than one square mile.
2. The structure will be designed to handle flow from a two-year storm.
3. The slope of the culvert will be at least 0.25" per foot.

NORFOLK SOUTHERN CORPORATION
EROSION AND SEDIMENT CONTROL PRACTICES

TEMPORARY STREAM CROSSING (Continued)



NOTE:

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2. The structure will be designed to handle flow from a two year storm.
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NORFOLK SOUTHERN CORPORATION
EROSION AND SEDIMENT CONTROL PRACTICES

SCALE: NTS

NORFOLK SOUTHERN

NORFOLK SOUTHERN RAILWAY COMPANY

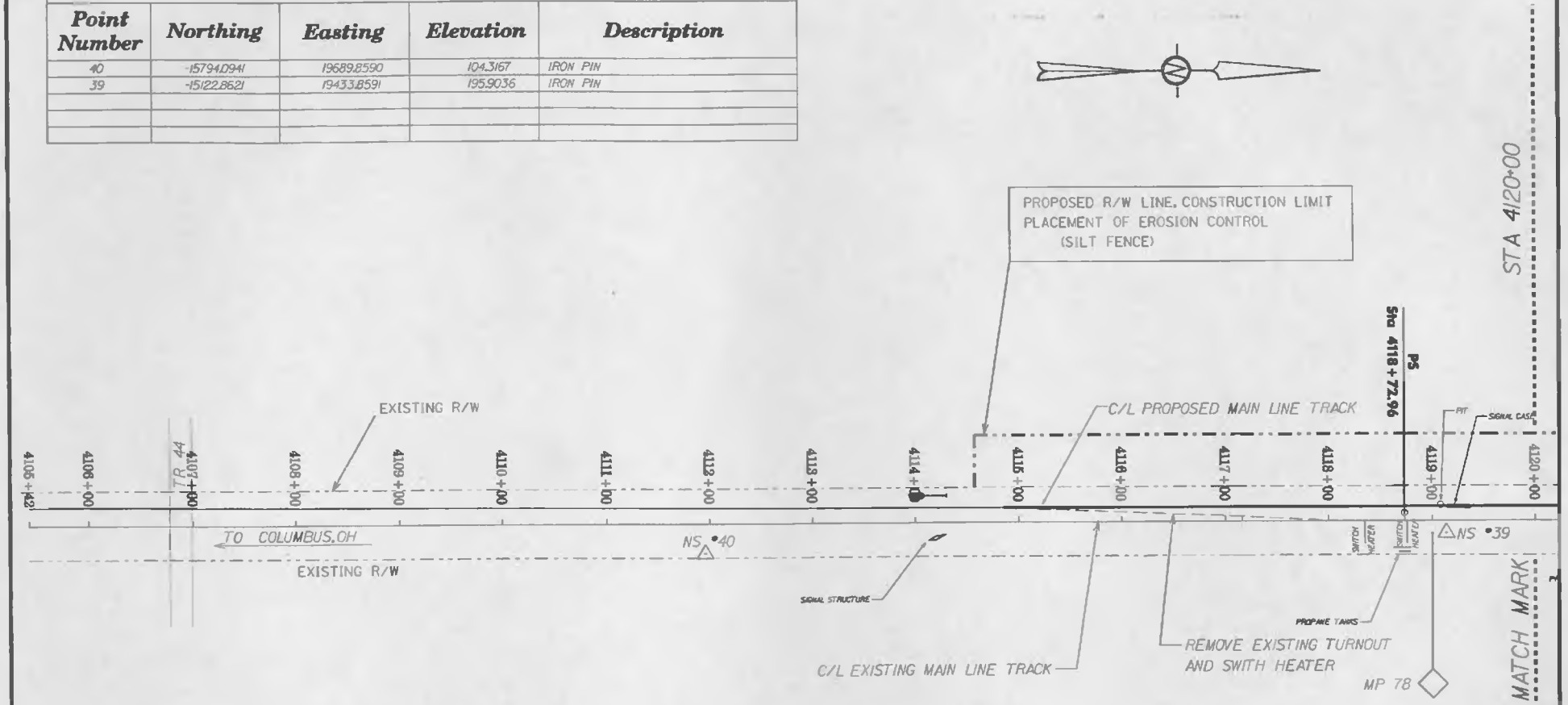
LAKE

ATTICA, OHIO

SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-90.1 TO S-98.4
EROSION DETAILS

TB-1999-86

Control Points				
Point Number	**Northing**	**Easting**	**Elevation**	**Description**
40	-15794.0941	19689.8590	104.3167	IRON PIN
39	-15122.8621	19433.8591	195.9036	IRON PIN



SCALE: 1" = 100'

0 100 200

(DO NOT SCALE THIS DRAWING FOR DIMENSIONS NOT GIVEN)

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LAKE

ATTICA, OHIO

SANDUSKY DISTRICT DOUBLE TRACKING

MILEPOST S-78.1 TO S-88.4

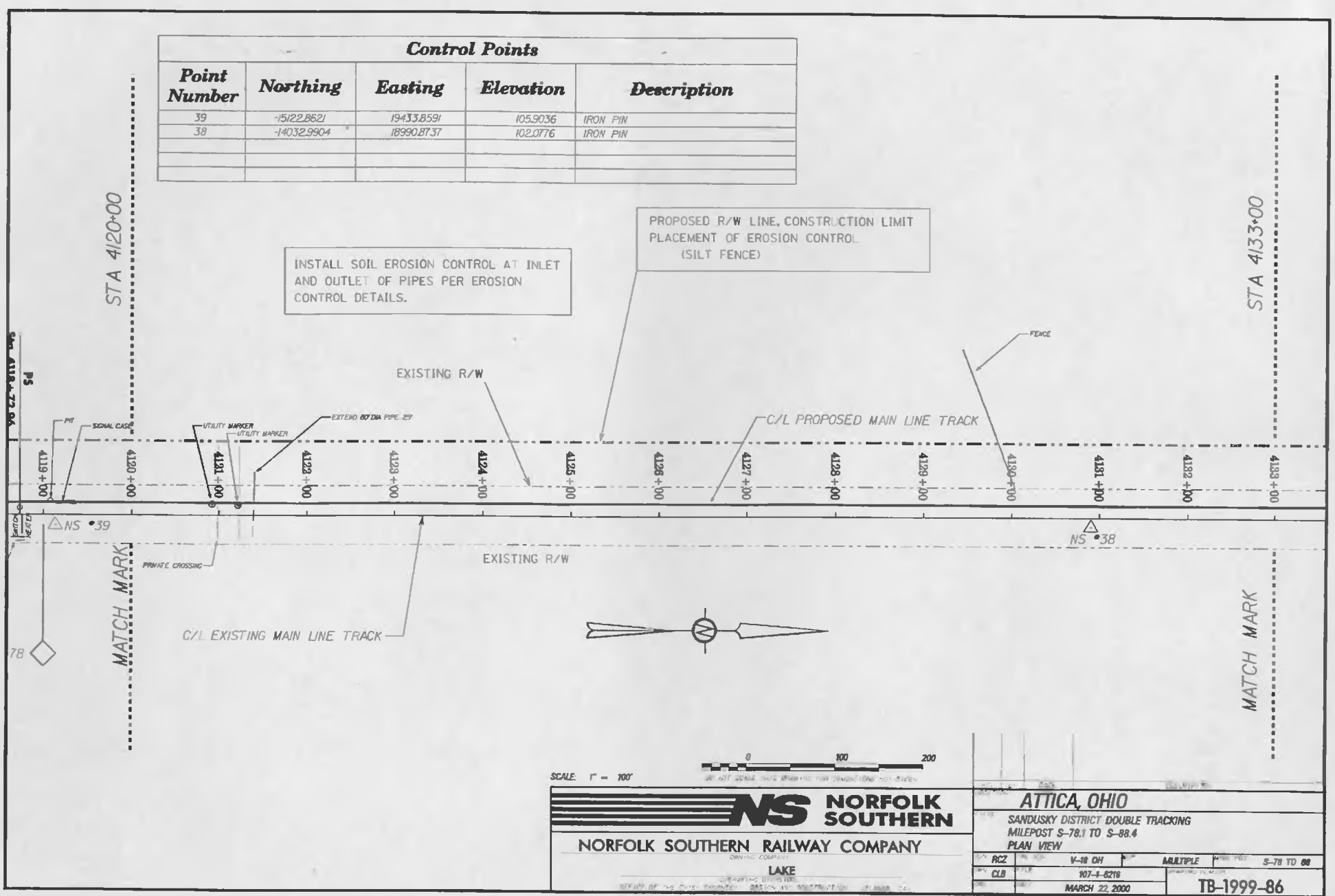
PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-6218		
	MARCH 22, 2000		TB-1999-86

SHEET 5 OF

Control Points

Point Number	Northing	Easting	Elevation	Description
39	-15122.8621	19433.8591	105.9036	IRON PIN
38	-14032.9904	18990.8737	102.0776	IRON PIN



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NORFOLK SOUTHERN RAILWAY COMPANY

LAKE

ATTICA, OHIO

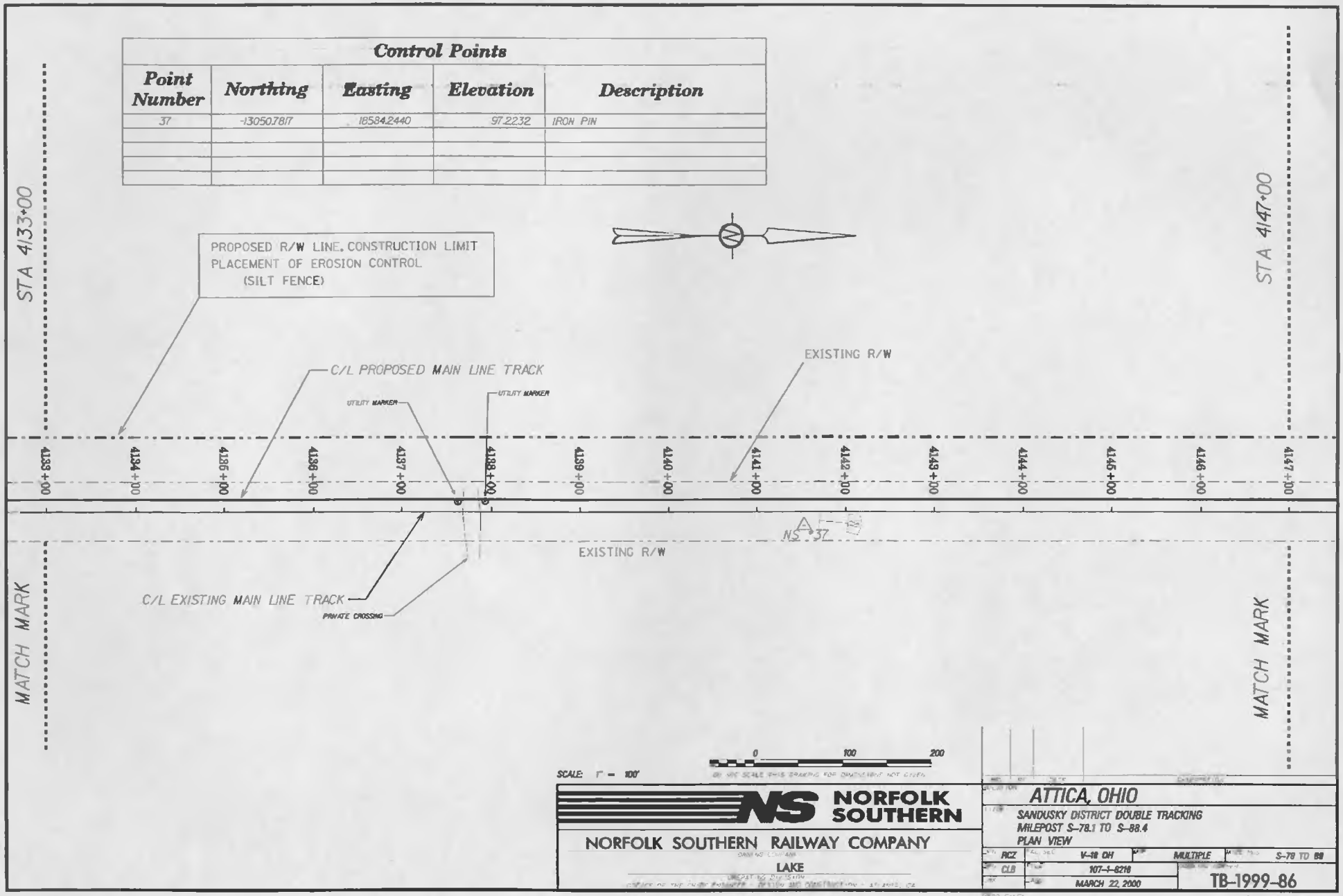
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-8216		
	MARCH 22, 2000	TB-1999-86	

SHEET 0 OF

Control Points

Point Number	Northing	Easting	Elevation	Description
37	-13050.7817	18584.2440	97.2232	IRON PIN



SCALE: 1" = 100'

0 100 200

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NORFOLK SOUTHERN RAILWAY COMPANY

LAKE

ATTICA, OHIO

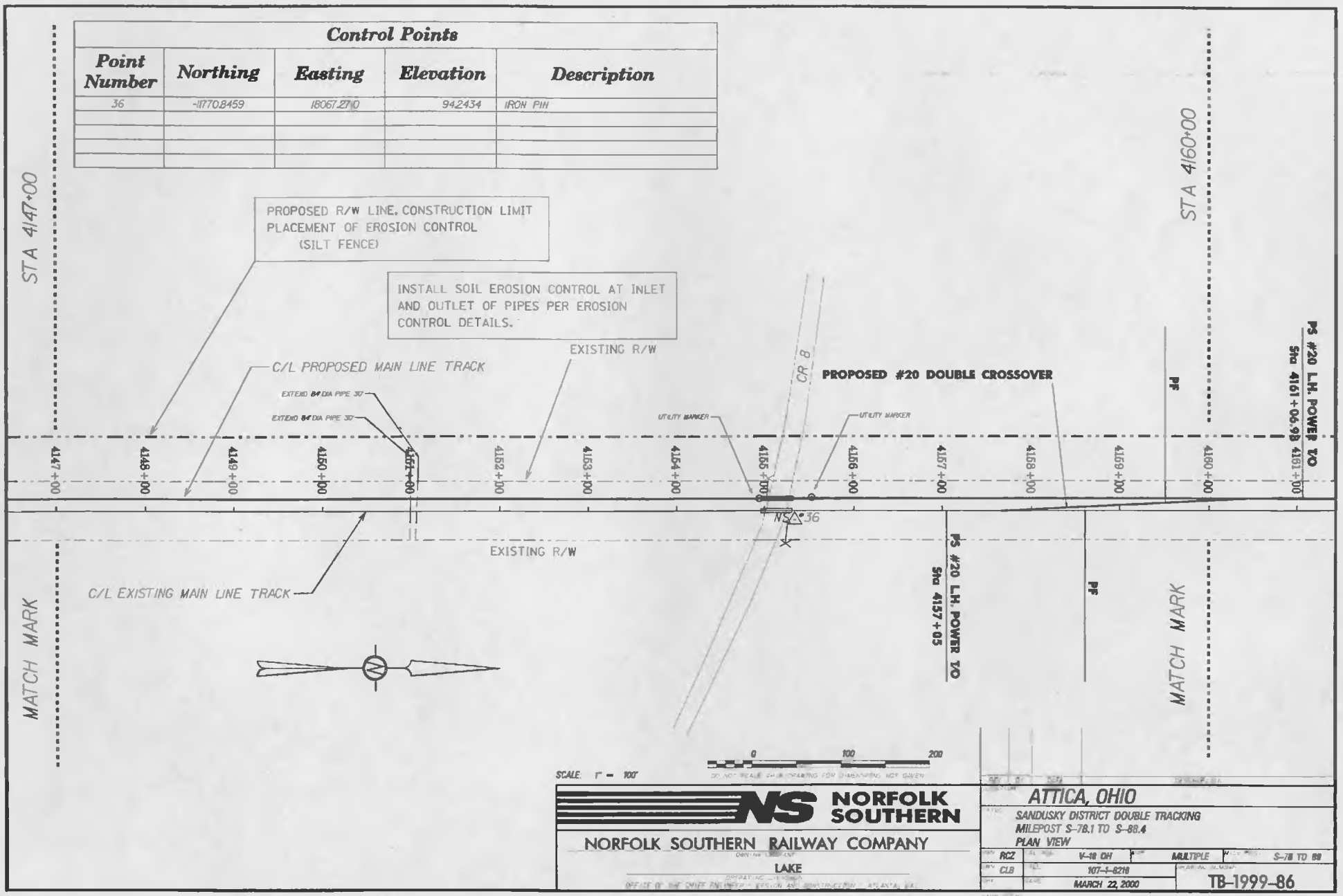
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 DH	MULTIPLE	S-78 TO 88
CLB	107-1-6218		
	MARCH 22, 2000		TB-1999-86

SHEET 7 OF

Control Points

Point Number	Northing	Easting	Elevation	Description
36	-11770.8459	18067.2710	942.434	IRON PIN



NORFOLK SOUTHERN

NORFOLK SOUTHERN RAILWAY COMPANY

LAKE

OFFICE OF THE CHIEF ENGINEER - EROSION AND CONSTRUCTION - ATLANTA, GA.

ATTICA, OHIO

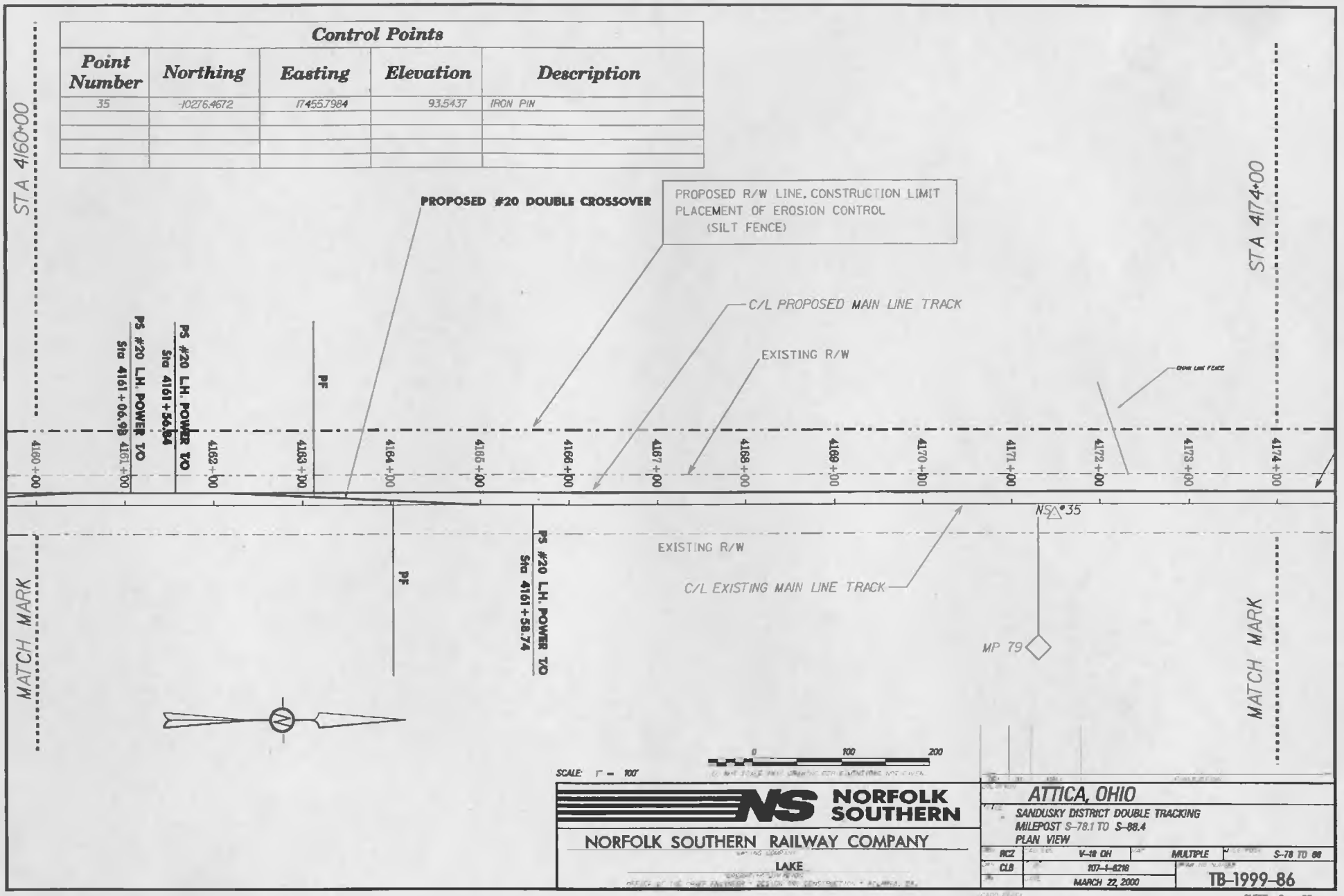
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-8216		
	MARCH 22, 2000	TB-1999-86	

SHEET 0 OF

Control Points

Point Number	Northing	Easting	Elevation	Description
35	-10276.4672	174557.984	93.5437	IRON PIN



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LAKE

ATTICA, OHIO

SANDUSKY DISTRICT DOUBLE TRACKING

MILEPOST S-78.1 TO S-88.4

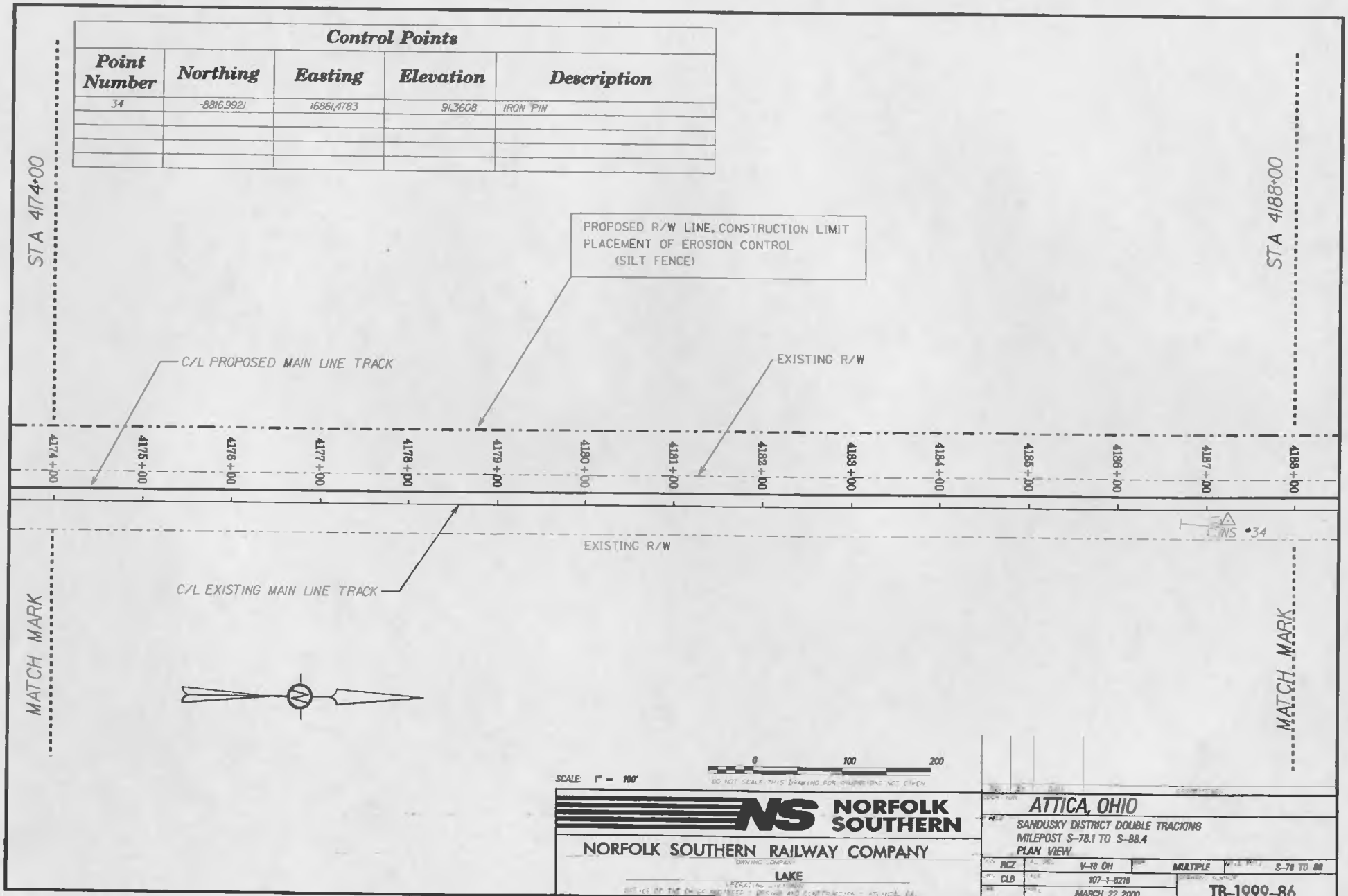
PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-6218		
	MARCH 22, 2000		TB-1999-86

SHEET 9 OF

Control Points

Point Number	Northing	Easting	Elevation	Description
34	-8816.9921	16861.4783	91.3608	IRON PIN



SCALE: 1" = 100'

0 100 200

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NORFOLK SOUTHERN

NORFOLK SOUTHERN RAILWAY COMPANY

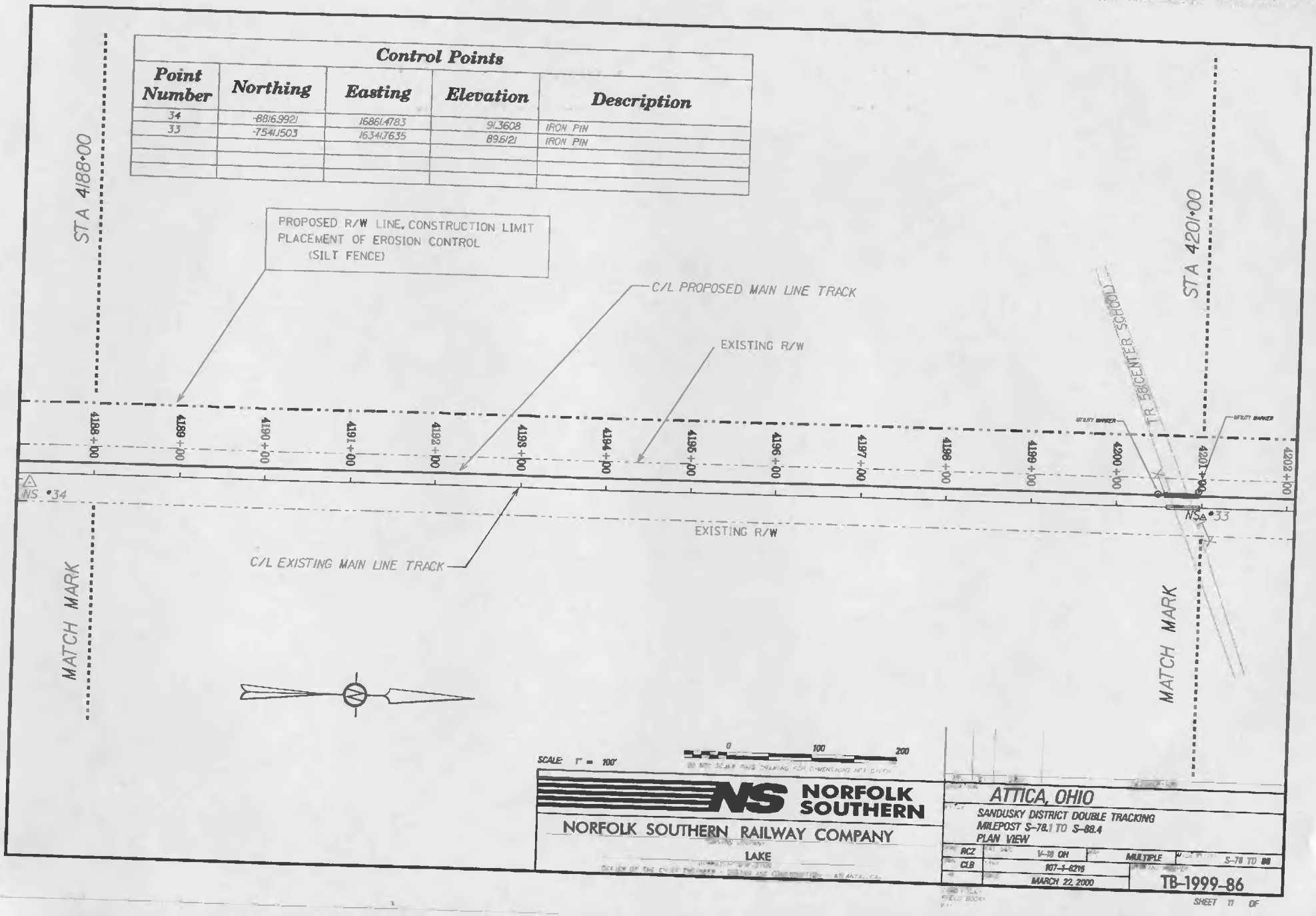
LAKE

ATTICA, OHIO

SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

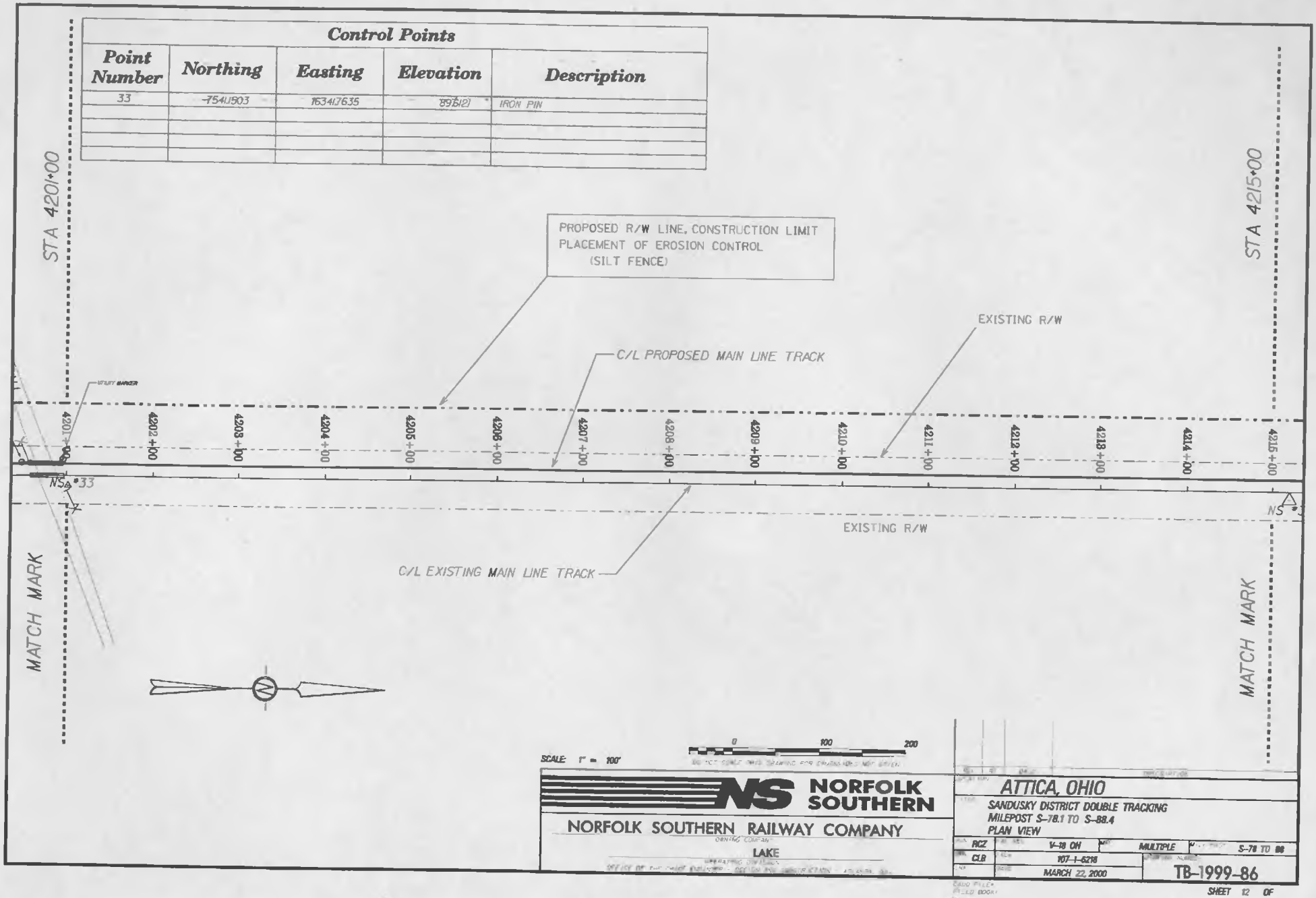
RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-8216		
	MARCH 22, 2000		TB-1999-86

SHEET 10 OF


Control Points
Point Number | Northing | Easting | Elevation | Description
34 | -88816.9921 | 168614783 | 913608 | IRON PIN
33 | -75411503 | 163417635 | 89612 | IRON PIN
STA 418+00
STA 420+00
PROPOSED R/W LINE, CONSTRUCTION LIMIT
PLACEMENT OF EROSION CONTROL
(SILT FENCE)
C/L PROPOSED MAIN LINE TRACK
EXISTING R/W
TR 58 CENTER SCHOOL
4188+00
4189+00
4190+00
4191+00
4192+00
4193+00
4194+00
4195+00
4196+00
4197+00
4198+00
4199+00
4200+00
4201+00
4202+00
NS ▲34
NS ▲33
EXISTING R/W
C/L EXISTING MAIN LINE TRACK
MATCH MARK
MATCH MARK
SCALE 1" = 100'
0
100
200
NORFOLK SOUTHERN
NORFOLK SOUTHERN RAILWAY COMPANY
LAKE
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW
RCZ
CLB
V-18 OH
MULTIPLE
S-78 TO 88
107-1-8216
MARCH 22, 2000
TB-1999-86
SHEET 11 OF

Control Points

Point Number	Northing	Easting	Elevation	Description
33	-754U903	1634J7635	895(2)	IRON PIN



NORFOLK SOUTHERN

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ATTICA, OHIO

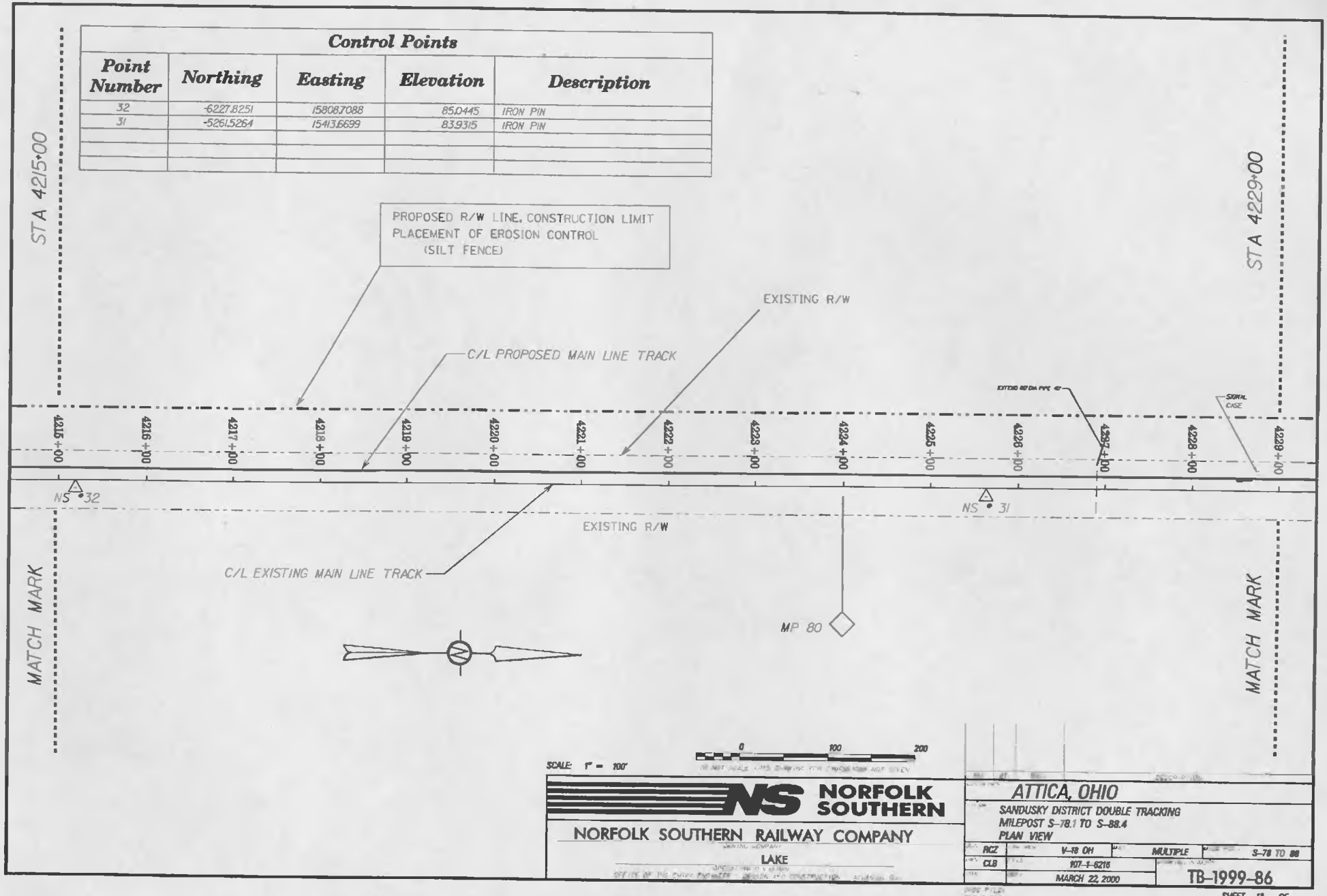
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-6218		
	MARCH 22, 2000		TB-1999-86

SHEET 12 OF

Control Points

Point Number	Northing	Easting	Elevation	Description
32	-6227.8251	15808.7088	85.0445	IRON PIN
31	-5261.5264	15413.6699	83.9315	IRON PIN



SCALE: 1" = 100'

0 100 200

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ATTICA, OHIO

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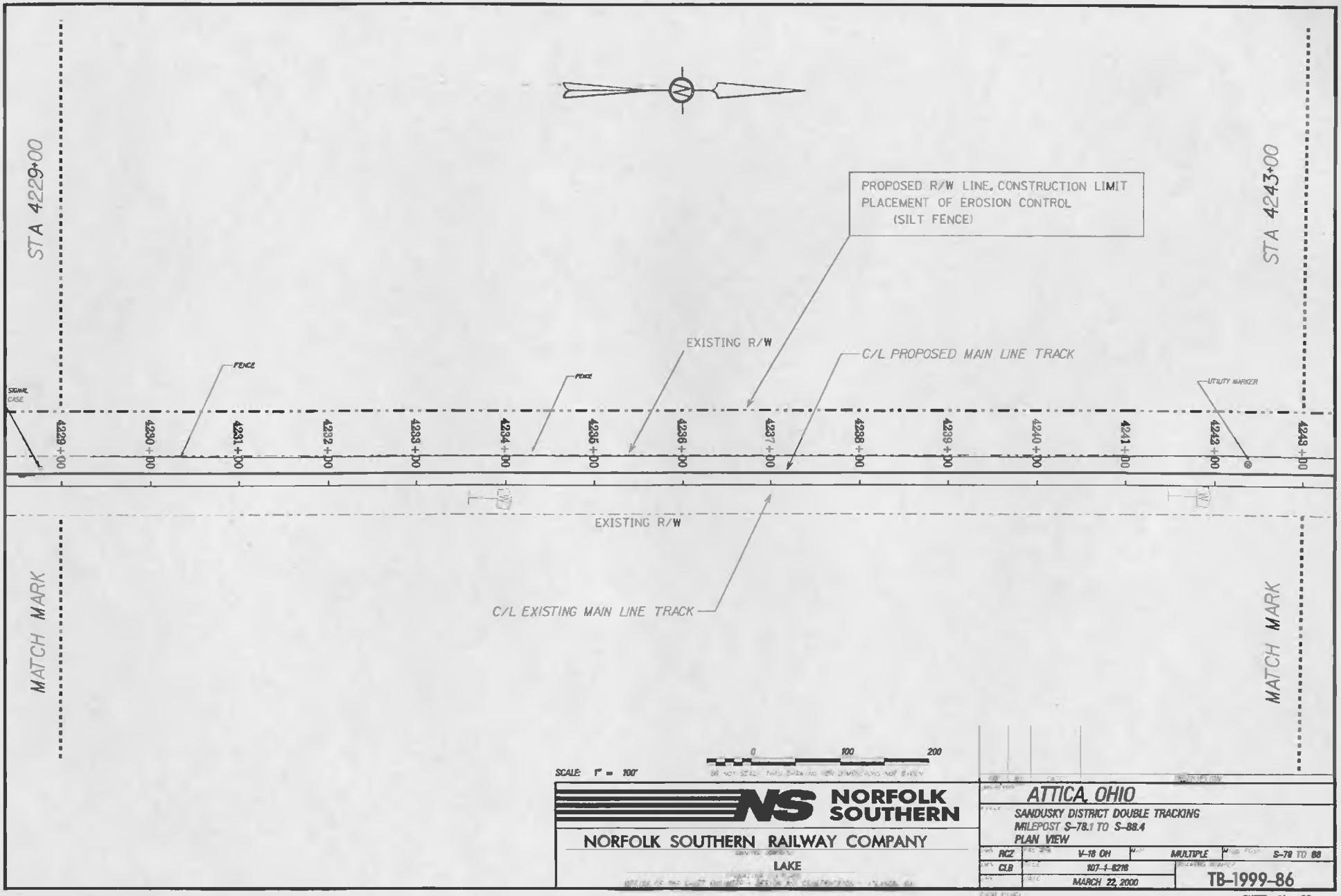
	MARCH 22, 2000		TB-1999-86

SHEET 13 OF



NORFOLK SOUTHERN

NORFOLK SOUTHERN RAILWAY COMPANY

LAKE

ATTICA, OHIO

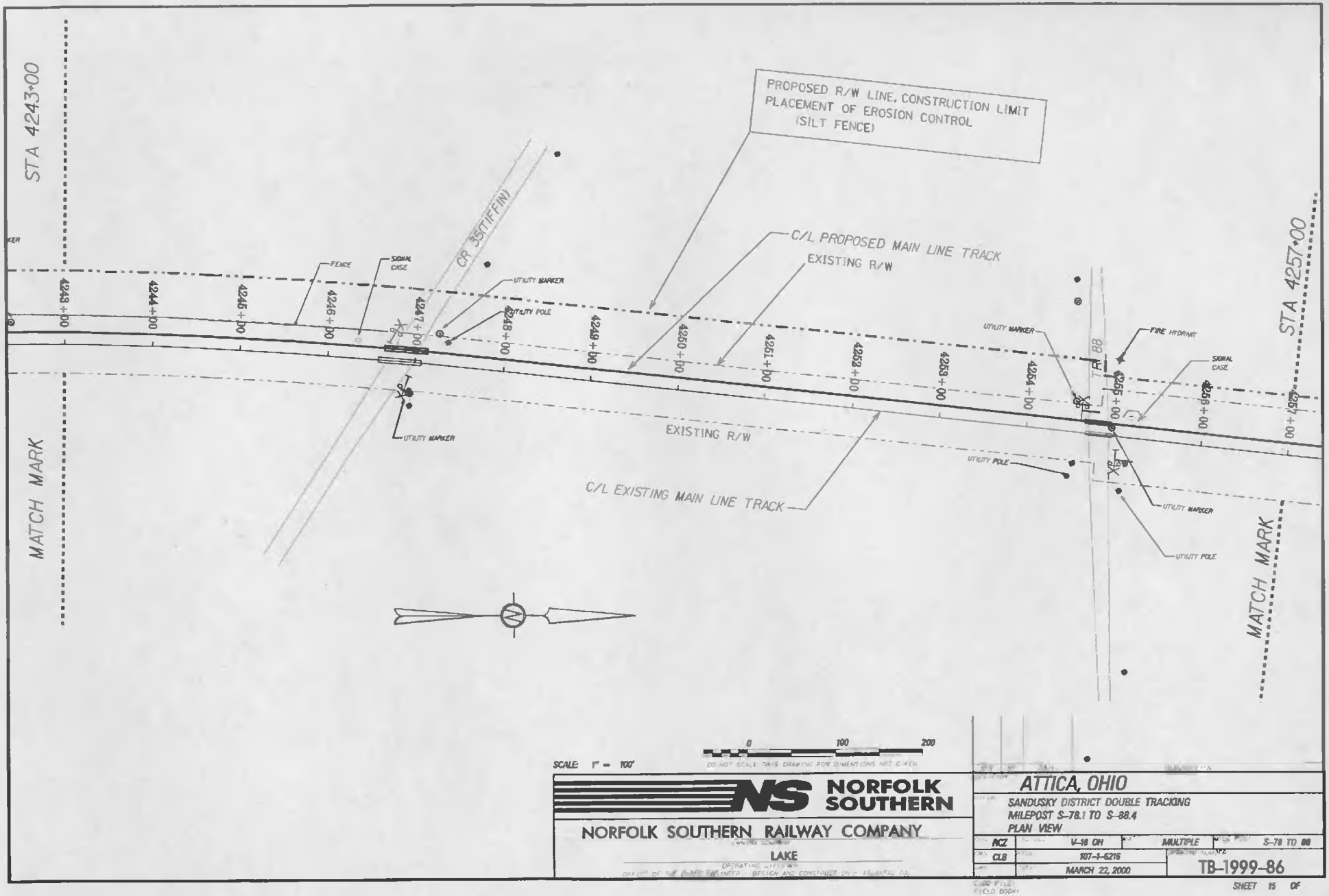
SANDUSKY DISTRICT DOUBLE TRACKING

MILEPOST S-78.1 TO S-88.4

PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-8216		
	MARCH 22, 2000		TB-1999-86

SHEET 14 OF



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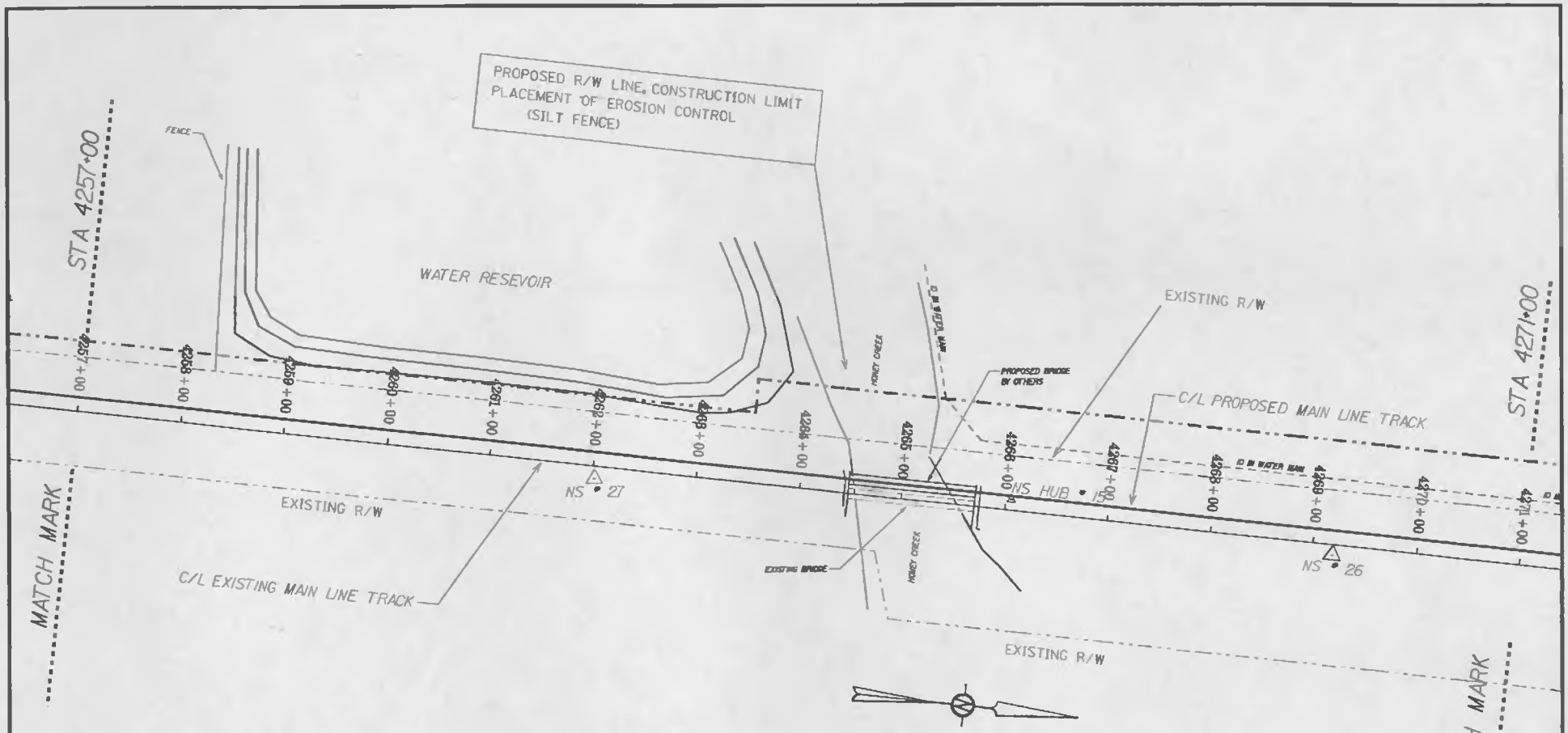
ATTICA, OHIO

SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 ON	MULTIPLE	S-78 TO 88
CLB	107-1-6216		
	MARCH 22, 2000		TB-1999-86

SHEET 15 OF



Control Points				
Point Number	**Northing**	**Easting**	**Elevation**	**Description**
27	-1975.6983	13863.8367	740306	IRON PIN
15	-1511.2053	13691.0410	751892	TEMPORARY HUB
26	-1344.8834	13523.3488	750371	IRON PIN

SCALE 1" = 100'

0 100 200

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ATTICA, OHIO

SANDUSKY DISTRICT DOUBLE TRACKING

MILEPOST S-78.1 TO S-88.4

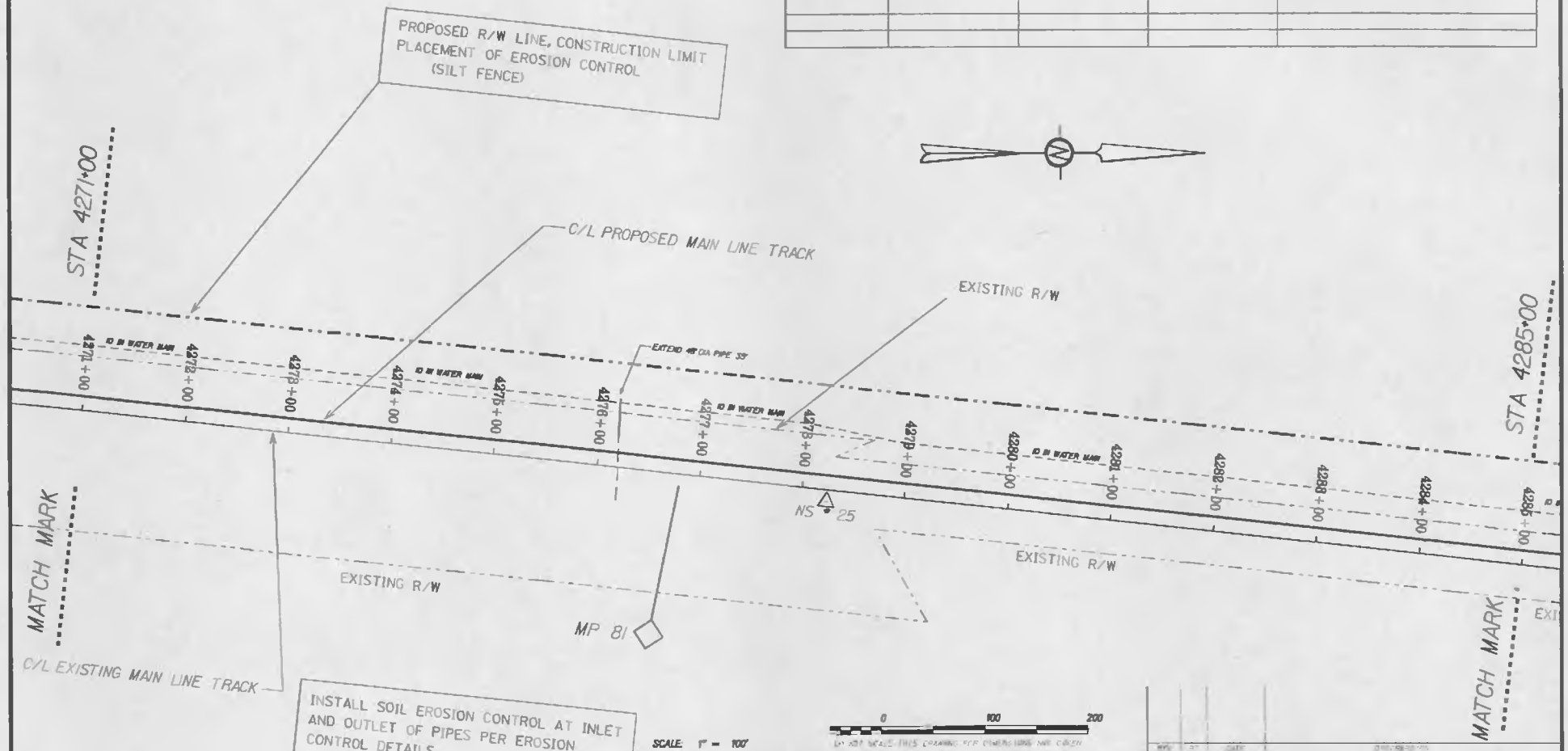
PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-8218		
	MARCH 22, 2000		TB-1999-86

SHEET 18 OF

Control Points

Point Number	Northing	Easting	Elevation	Description
25	-550.5546	13089.2718	78.0003	IRON PIN



SCALE: 1" = 100'

0 100 200

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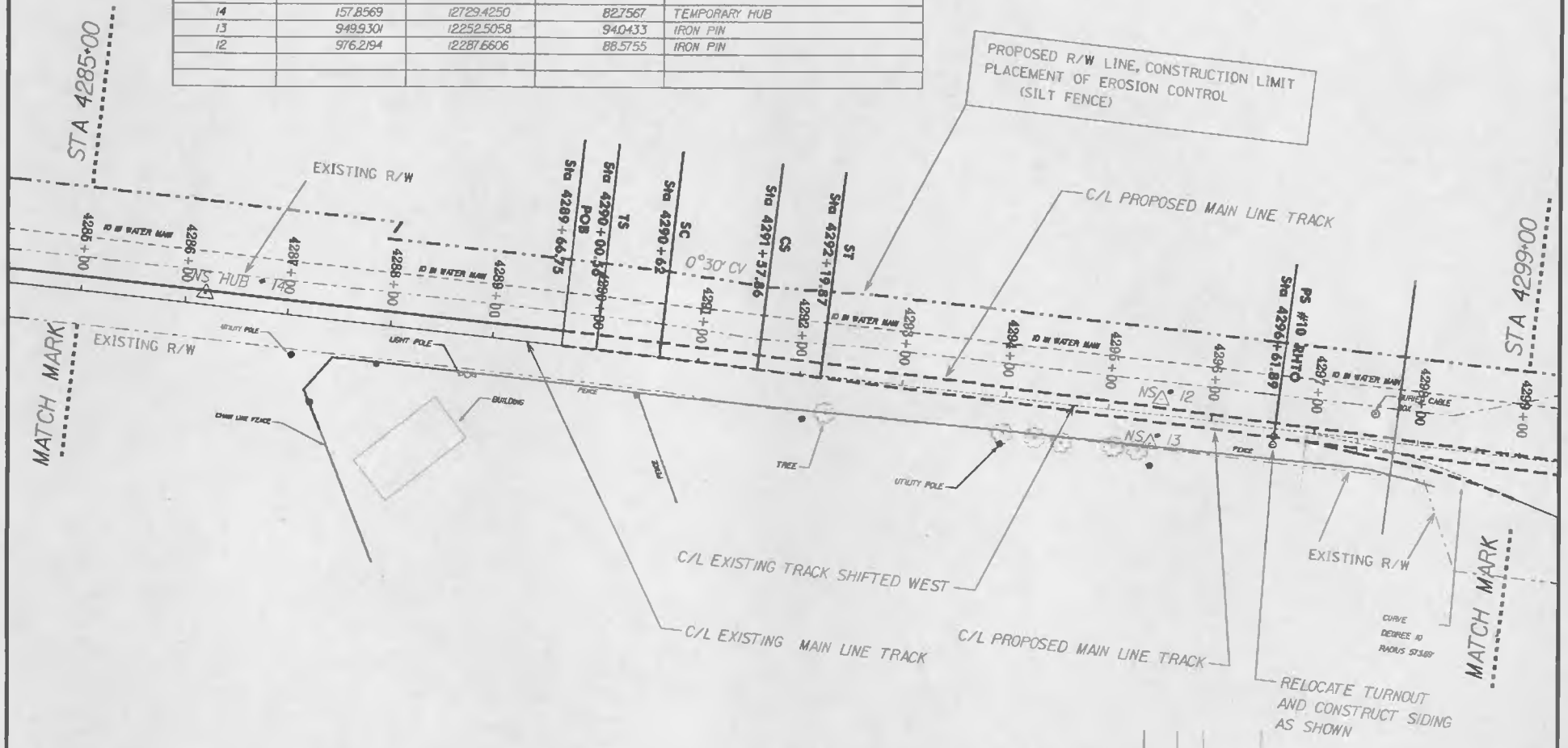
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-6218		
	MARCH 22, 2000		TB-1999-86

SHEET 17 OF

Control Points

Point Number	Northing	Easting	Elevation	Description
14	157.8569	12729.4250	827567	TEMPORARY HUB
13	949.9301	12252.5058	940433	IRON PIN
12	976.2194	12287.6606	88.5755	IRON PIN



SCALE: 1" = 100'

0 100 200

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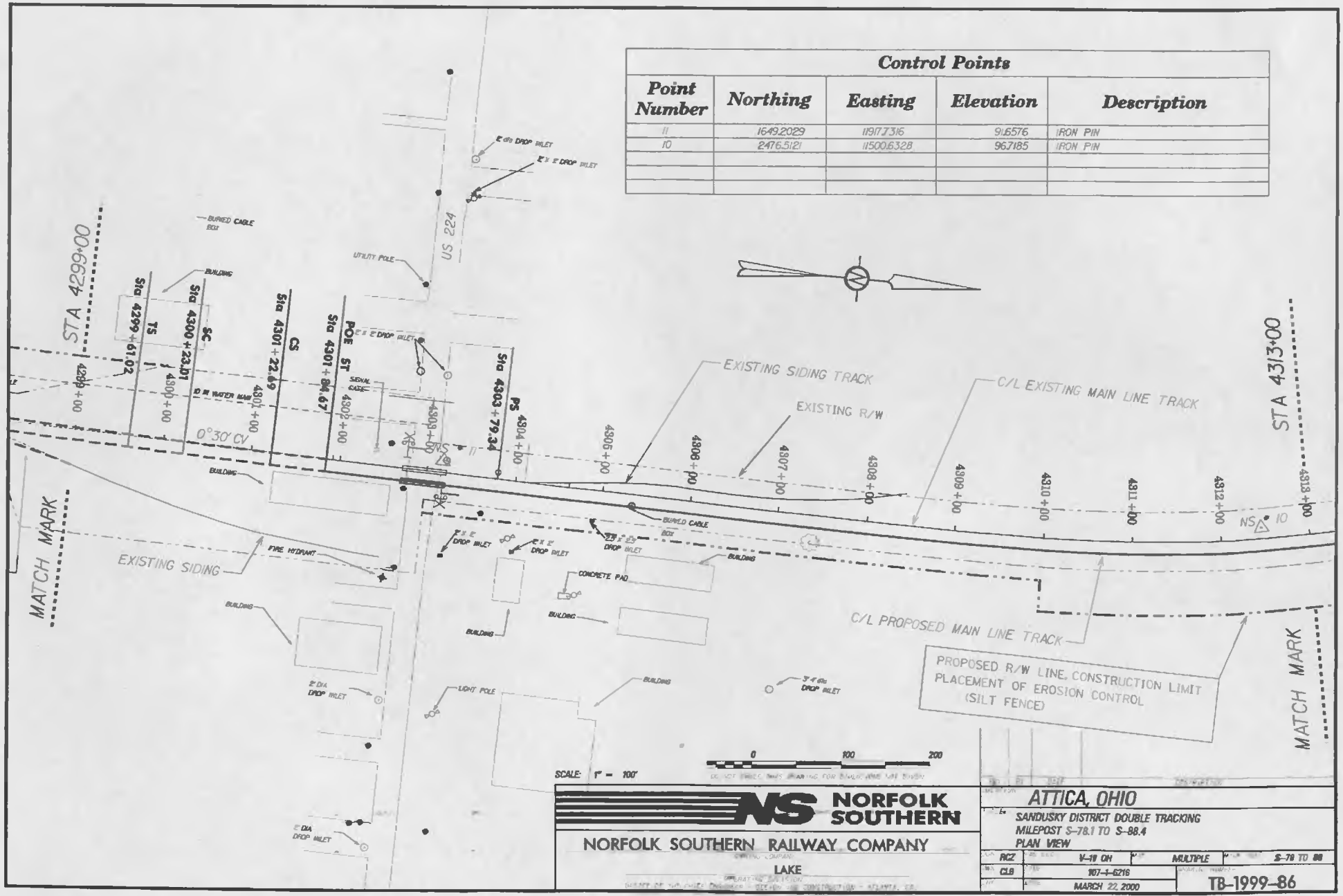
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 ON	MULTIPLE	S-78 TO 88
CLB	107-1-6216		
	MARCH 22, 2000		TB-1999-86

SHEET 18 OF



Control Points

Point Number	Northing	Easting	Elevation	Description
11	1649.2029	1191773.16	916.576	IRON PIN
10	2476.5121	1150063.28	967.185	IRON PIN

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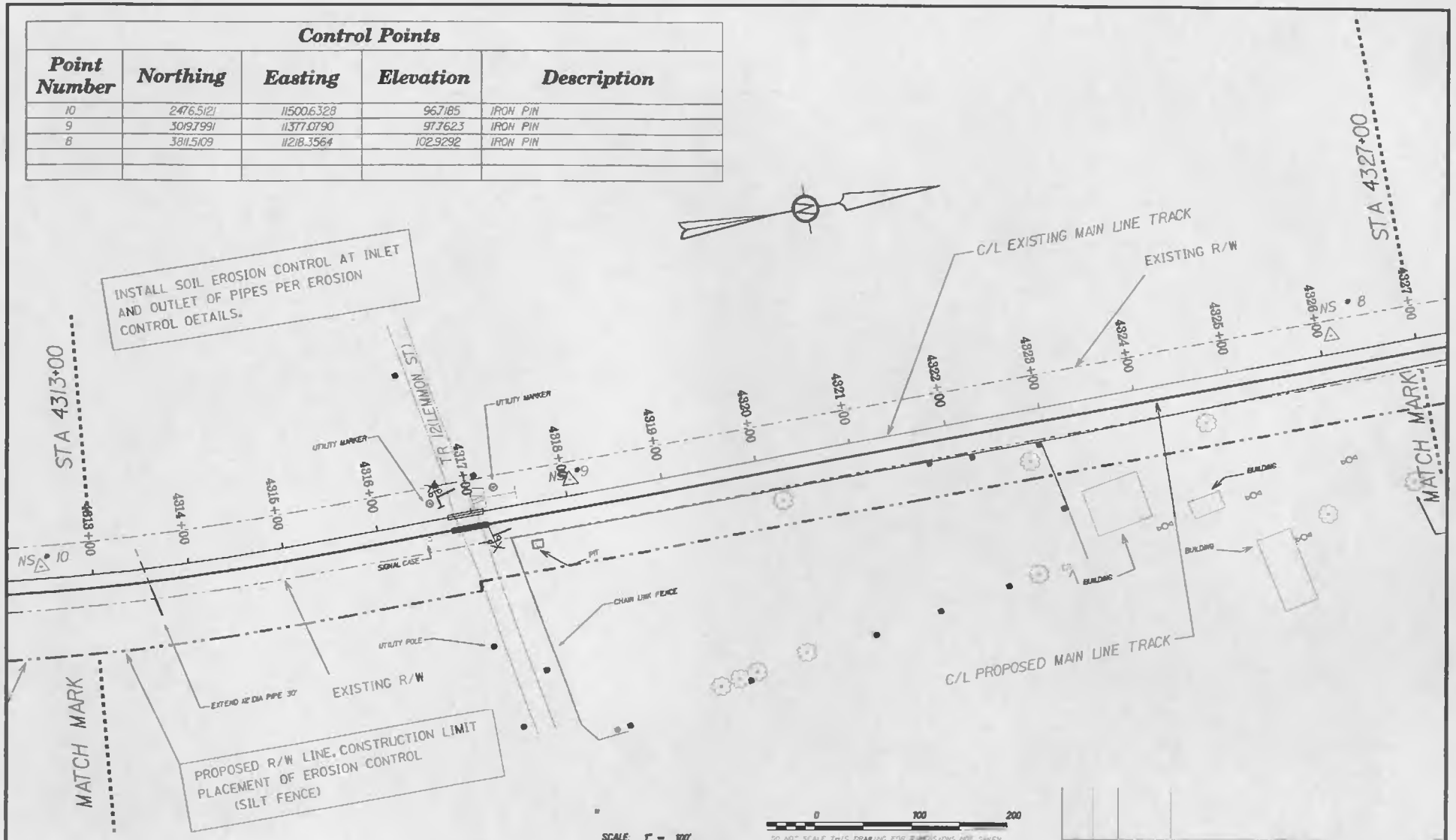
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-19 OH	MULTIPLE	S-78 TO 88	
CLB	107-1-6216			
	MARCH 22, 2000		TB-1999-86	

SHEET 19 OF

Control Points				
Point Number	**Northing**	**Easting**	**Elevation**	**Description**
10	2476.5121	11500.6328	967.1185	IRON PIN
9	3019.7991	11377.0790	917.7623	IRON PIN
8	3811.5109	11218.3564	1029292	IRON PIN



SCALE: 1" = 100'

0 100 200

DO NOT SCALE THIS DRAWING FOR DIMENSIONS NOT SHOWN

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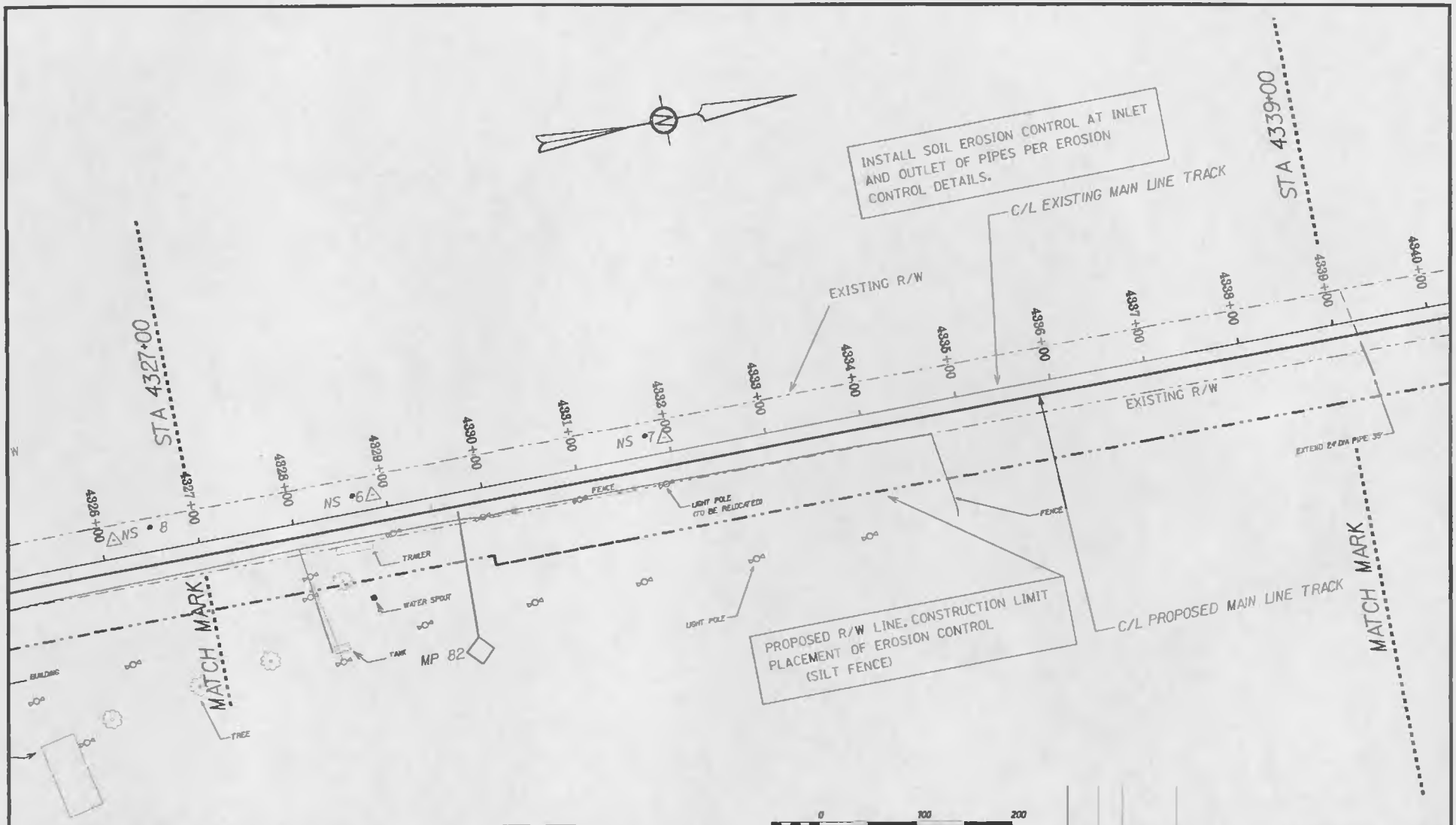
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-6218		
	MARCH 22, 2000		TB-1999-86

SHEET 20 OF



Control Points

Point Number	Northing	Easting	Elevation	Description
8	3811.5409	11728.3564	102.9252	IRON PIN
7	4078.5948	11759.0899	103.3252	IRON PIN
6	4381.2249	11098.2801	105.0499	IRON PIN

SCALE: 1" = 100'

0 100 200

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SANDUSKY DISTRICT DOUBLE TRACKING

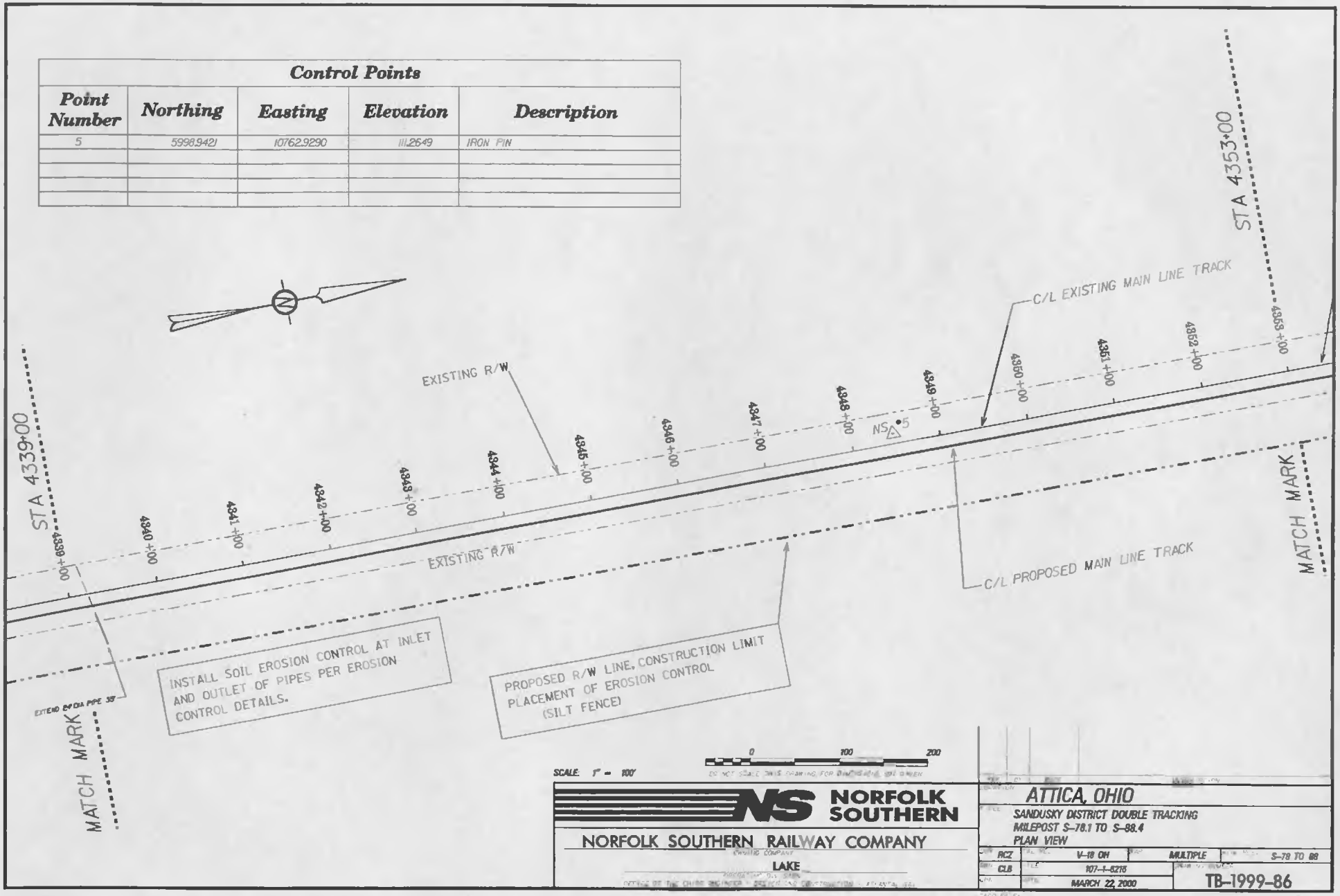
MILEPOST S-78.1 TO S-98.4

PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-4-6216		TB-1999-86
	MARCH 22, 2000		

SHEET 21 OF

Control Points				
Point Number	**Northing**	**Easting**	**Elevation**	**Description**
5	5998.9421	10762.9290	111.2649	IRON PIN



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SANDUSKY DISTRICT DOUBLE TRACKING

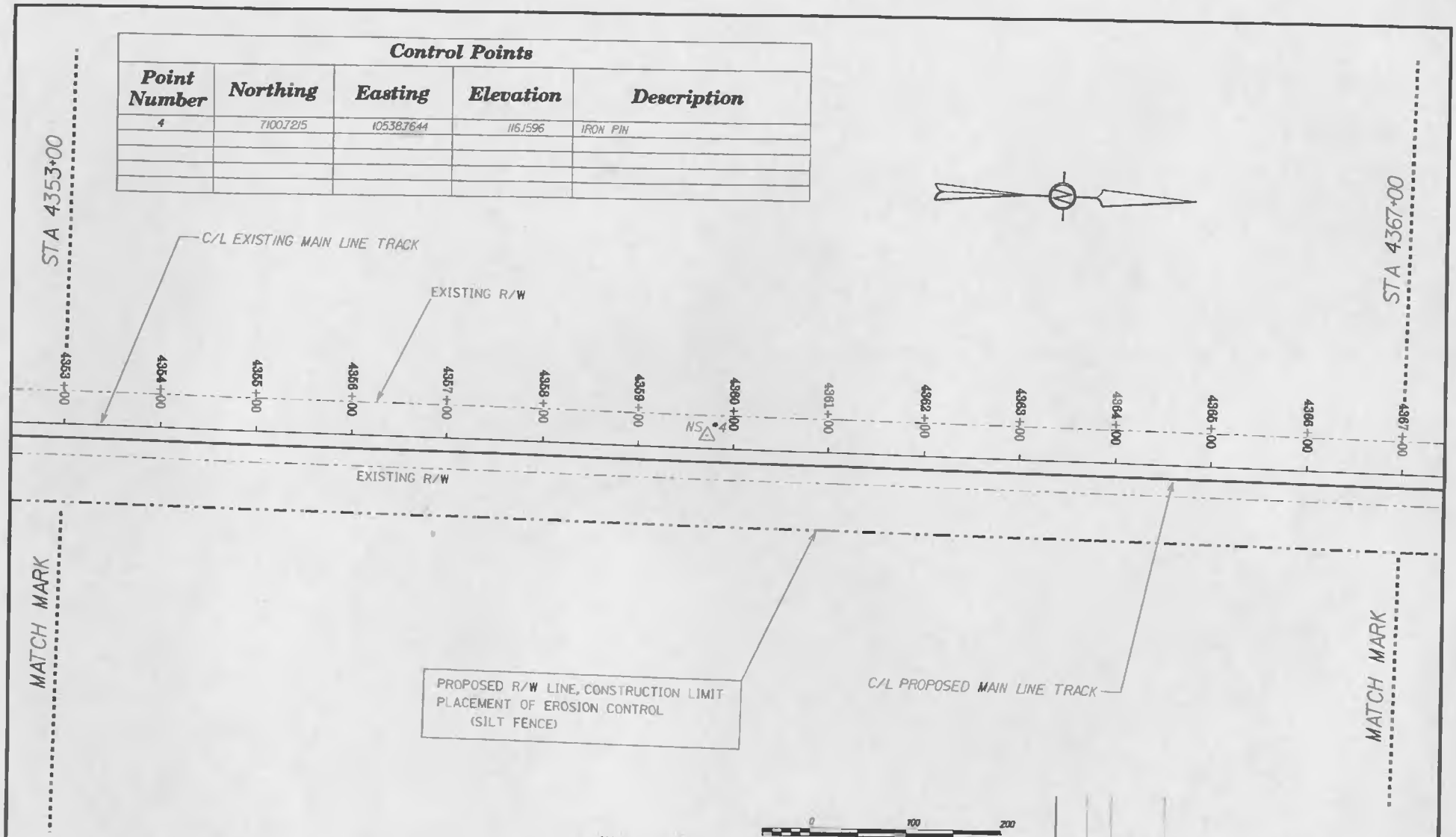
MILEPOST S-78.1 TO S-88.4

PLAN VIEW

RCZ	V-18 ON	MULTIPLE	S-78 TO 88
CLB	107-1-5216		
	MARCH 22, 2000	TB-1999-86	

SHEET 22 OF

Control Points				
Point Number	Northing	Easting	Elevation	Description
4	7100.7215	10538.7644	1161.596	IRON PIN



SCALE: 1" = 100'

0 100 200

DO NOT SCALE BAR GRAPHIC FOR DIMENSIONS NOT GIVEN

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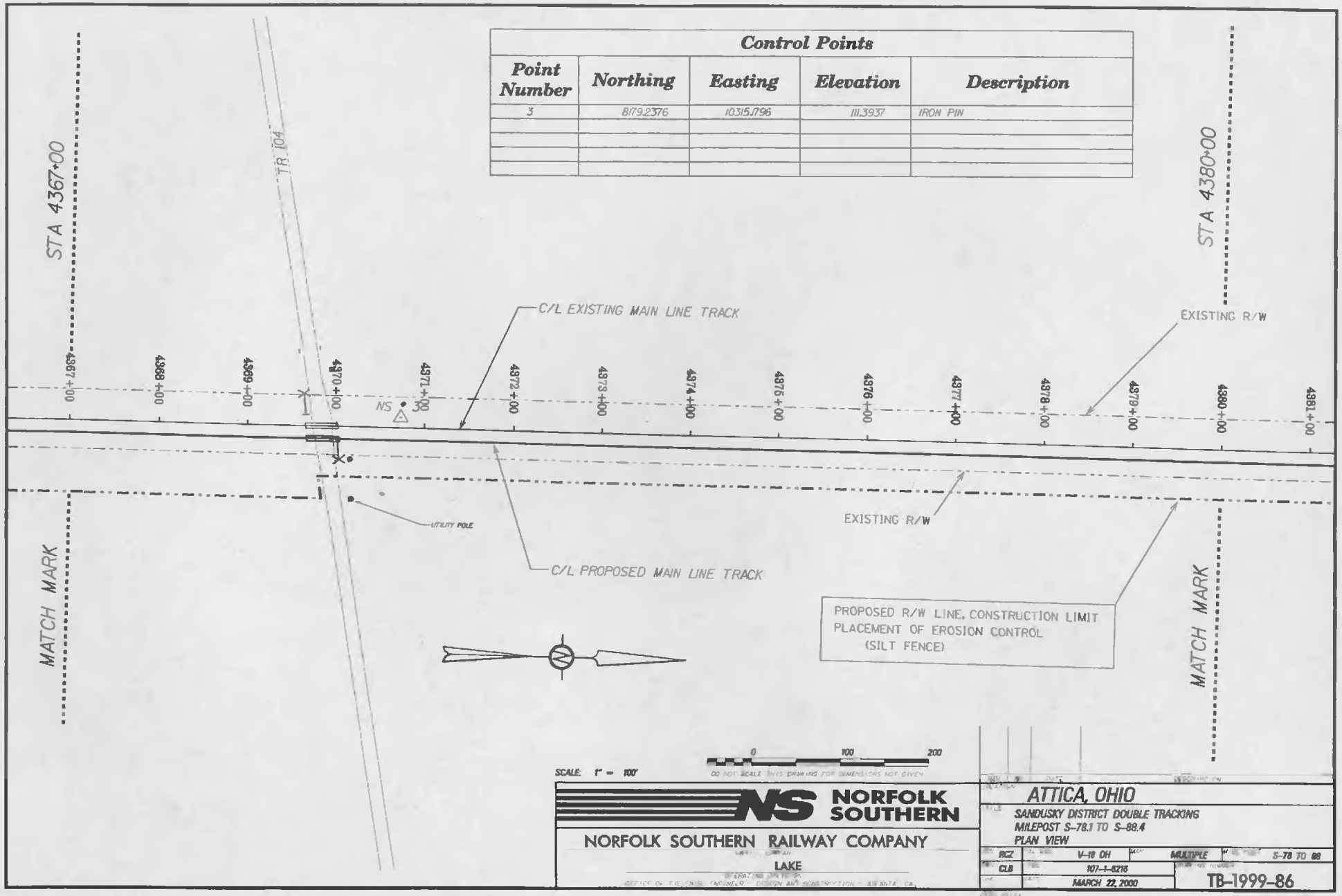
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-6218		
	MARCH 22, 2000		TB-1999-86

SHEET 23 OF



Control Points

Point Number	Northing	Easting	Elevation	Description
3	8179.2376	10315.7796	111.3937	IRON PIN

SCALE: 1" = 100'

0 100 200

DO NOT SCALE THIS DRAWING FOR DIMENSIONS NOT GIVEN

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OPERATING DIVISION

OFFICE OF THE CHIEF ENGINEER - DESIGN AND CONSTRUCTION - ATLANTA, GA.

ATTICA, OHIO

SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

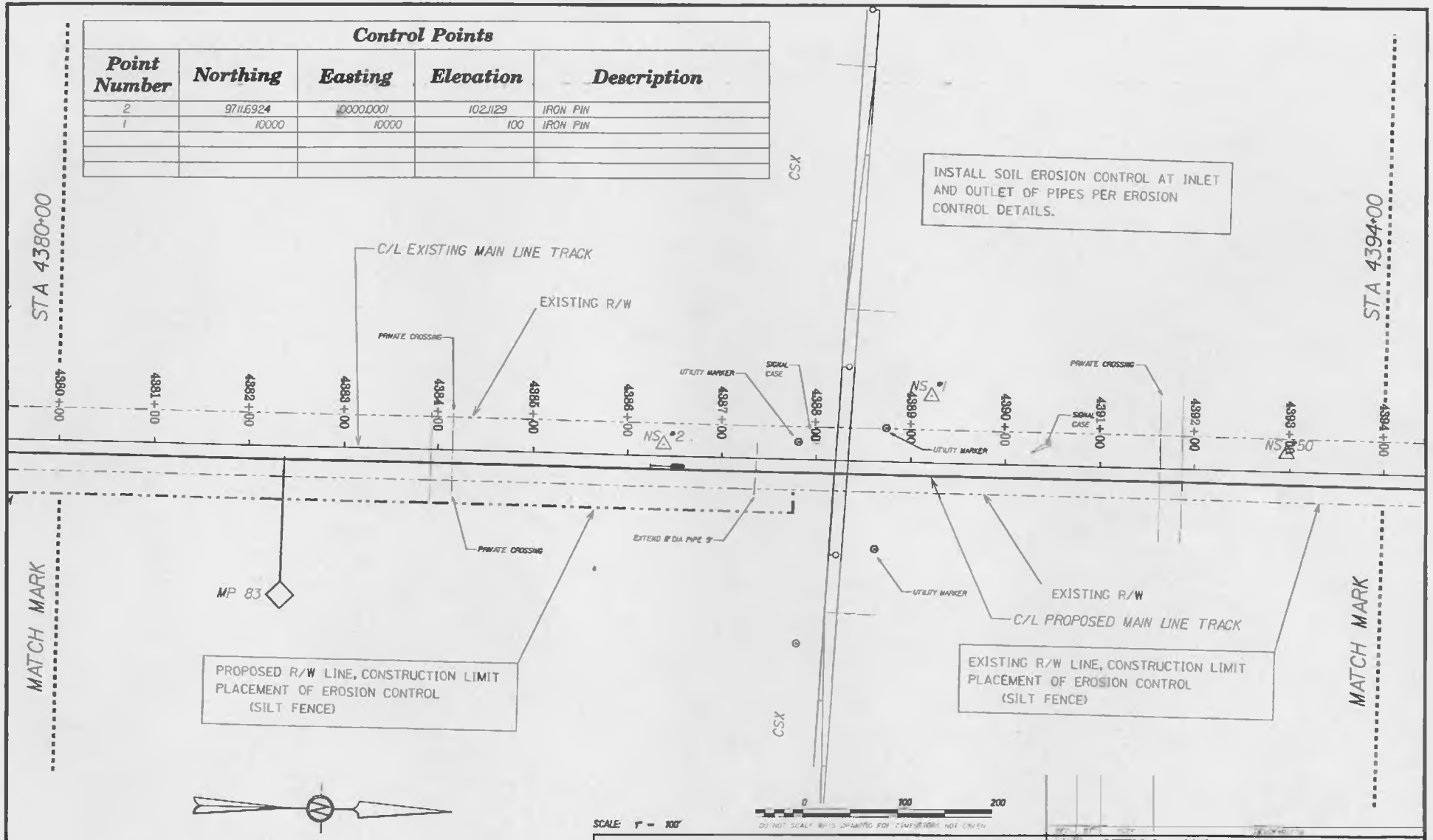
RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-8216		
	MARCH 22, 2000		TB-1999-86

FIELD BOOK

SHEET 24 OF

Control Points

Point Number	Northing	Easting	Elevation	Description
2	97116924	10000.0001	102.1129	IRON PIN
1	10000	10000	100	IRON PIN



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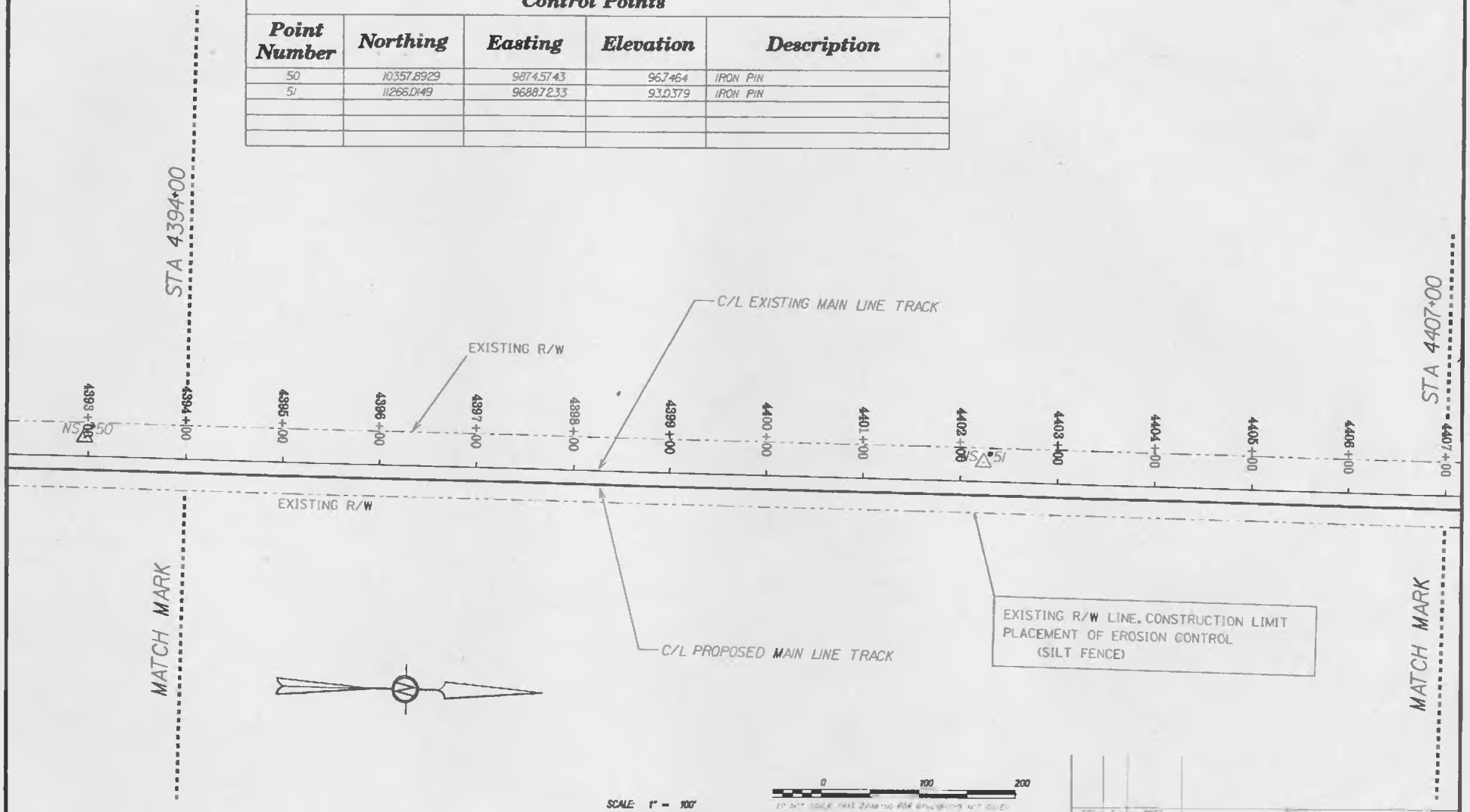
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-8216		
	MARCH 22, 2000	TB-1999-86	

SHEET 25 OF

Control Points				
Point Number	**Northing**	**Easting**	**Elevation**	**Description**
50	10357.8929	9874.5743	967.464	IRON PIN
51	11266.0149	9688.7233	930.379	IRON PIN



SCALE: 1" = 100'

0 100 200

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ATTICA, OHIO

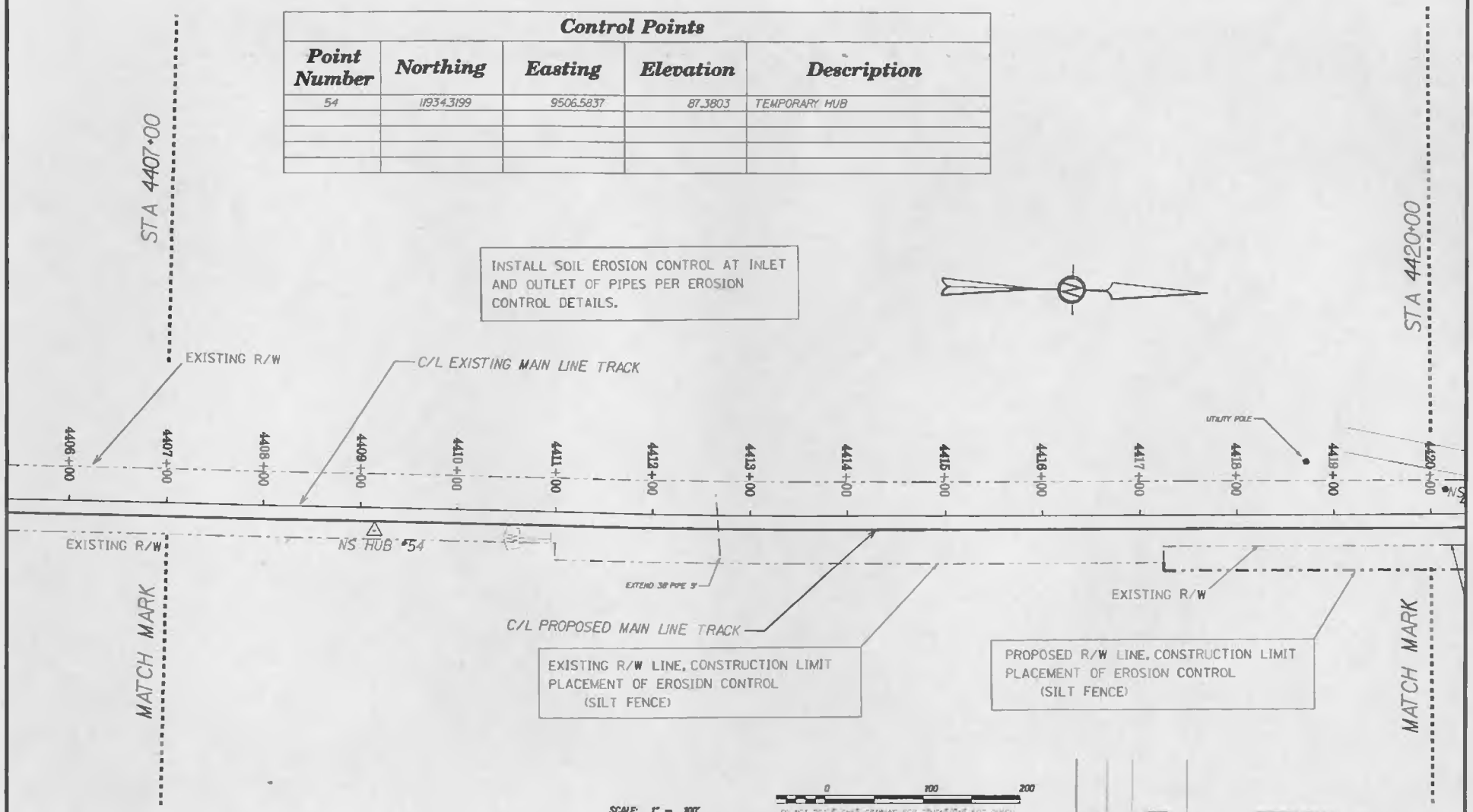
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 DH	MULTIPLE	S-78 TO 88
CLB	107-1-8216		
	MARCH 22, 2000	TB-1999-86	

SHEET 26 OF

Control Points

Point Number	Northing	Easting	Elevation	Description
54	11934.3199	9506.5837	87.3803	TEMPORARY HUB



SCALE: 1" = 100'

0 100 200

DO NOT SCALE THIS DRAWING FOR CONSTRUCTION

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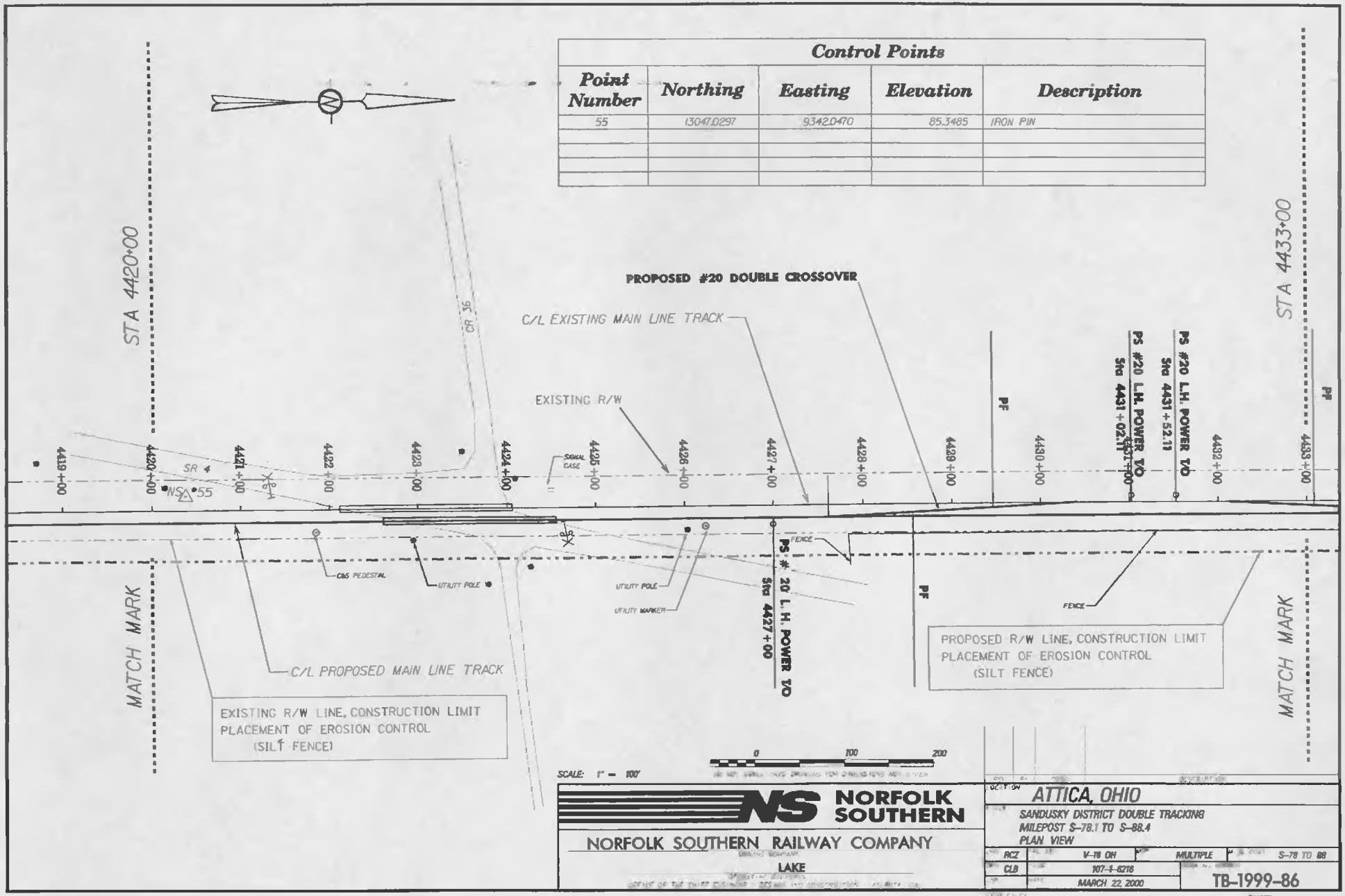
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-6216		
	MARCH 22, 2000		TB-1999-86

SHEET 27 OF


Control Points
Point Number | Northing | Easting | Elevation | Description
55 | 13047.0297 | 9342.0470 | 85.3485 | IRON PIN
STA 4420+00
STA 4433+00
PROPOSED #20 DOUBLE CROSSOVER
C/L EXISTING MAIN LINE TRACK
EXISTING R/W
CR 36
SR 4
NS 55
SIGNAL CASE
PS #20 L.H. POWER T/O Sta 4431+02.11
PS #20 L.H. POWER T/O Sta 4431+52.11
PS # 20 L.H. POWER T/O Sta 4427+00
PF
FENCE
GAS PEDESTAL
UTILITY POLE
UTILITY MARKER
C/L PROPOSED MAIN LINE TRACK
EXISTING R/W LINE, CONSTRUCTION LIMIT
PLACEMENT OF EROSION CONTROL
(SILT FENCE)
PROPOSED R/W LINE, CONSTRUCTION LIMIT
PLACEMENT OF EROSION CONTROL
(SILT FENCE)
MATCH MARK
MATCH MARK
SCALE: 1" = 100'
0 100 200
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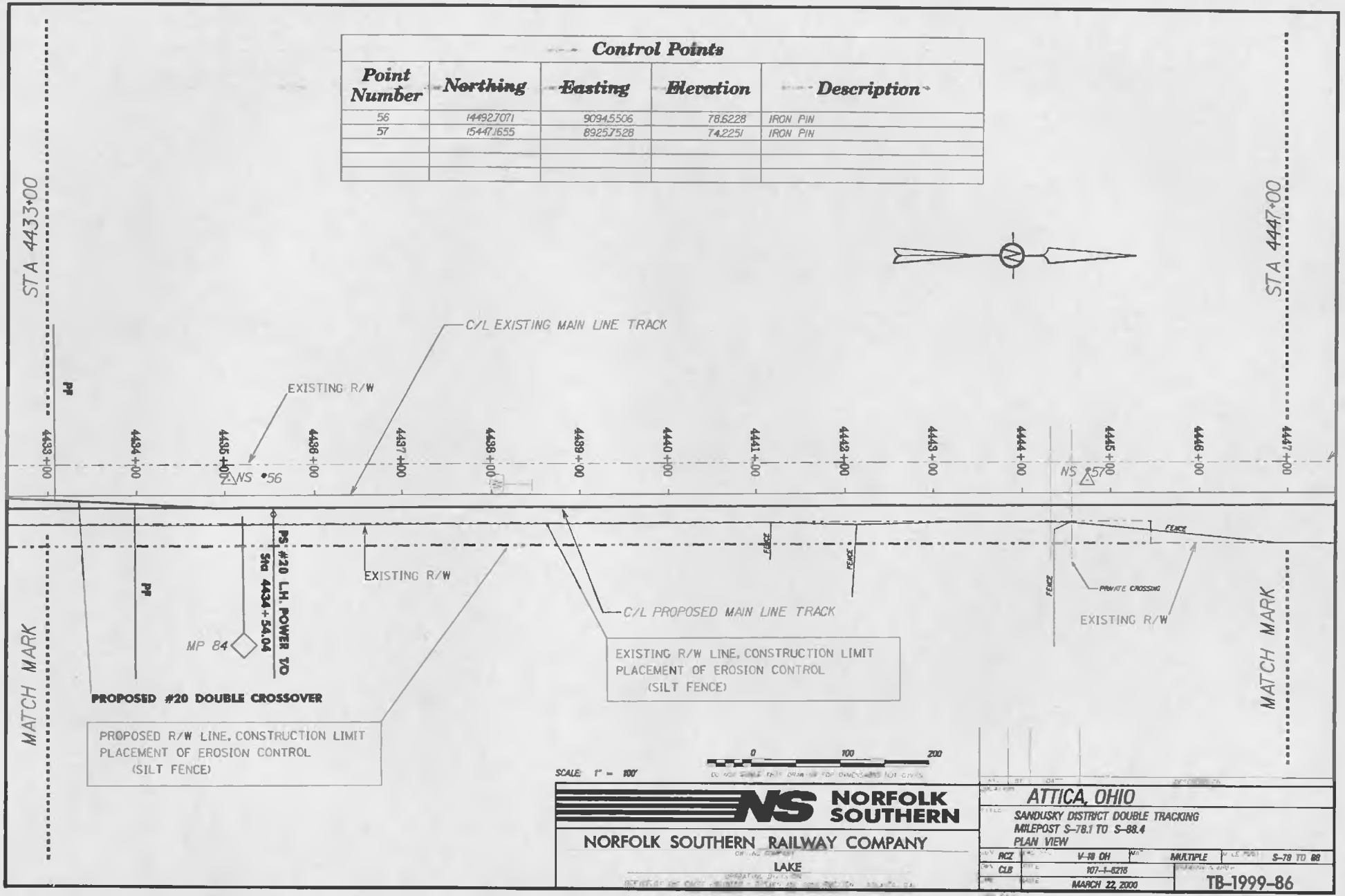
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW
RCZ
V-16 OH
MULTIPLE
S-78 TO 88
CLB
107-1-6216
MARCH 22, 2000
TB-1999-86
SHEET 26 OF

Control Points

Point Number	Northing	Easting	Elevation	Description
56	144927.071	90945.506	786.228	IRON PIN
57	154471.655	89257.528	774.225	IRON PIN



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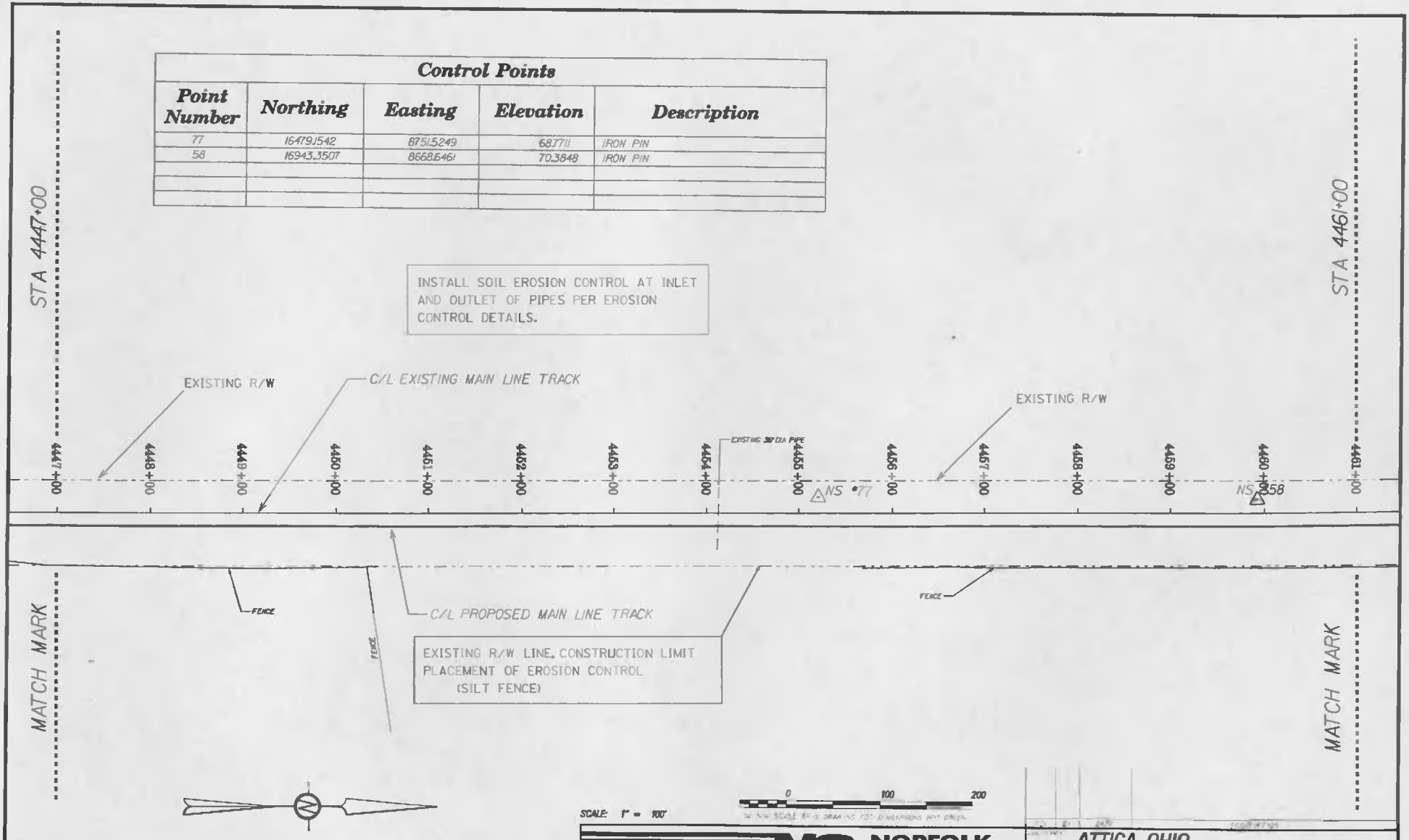
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-6216		
	MARCH 22, 2000	TB-1999-86	

SHEET 29 OF

Control Points				
Point Number	Northing	Easting	Elevation	Description
77	16479.1542	8751.5249	687.711	IRON PIN
58	16943.3507	8668.6461	703848	IRON PIN



SCALE: 1" = 100'

0 100 200

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ATTICA, OHIO

SANDUSKY DISTRICT DOUBLE TRACKING

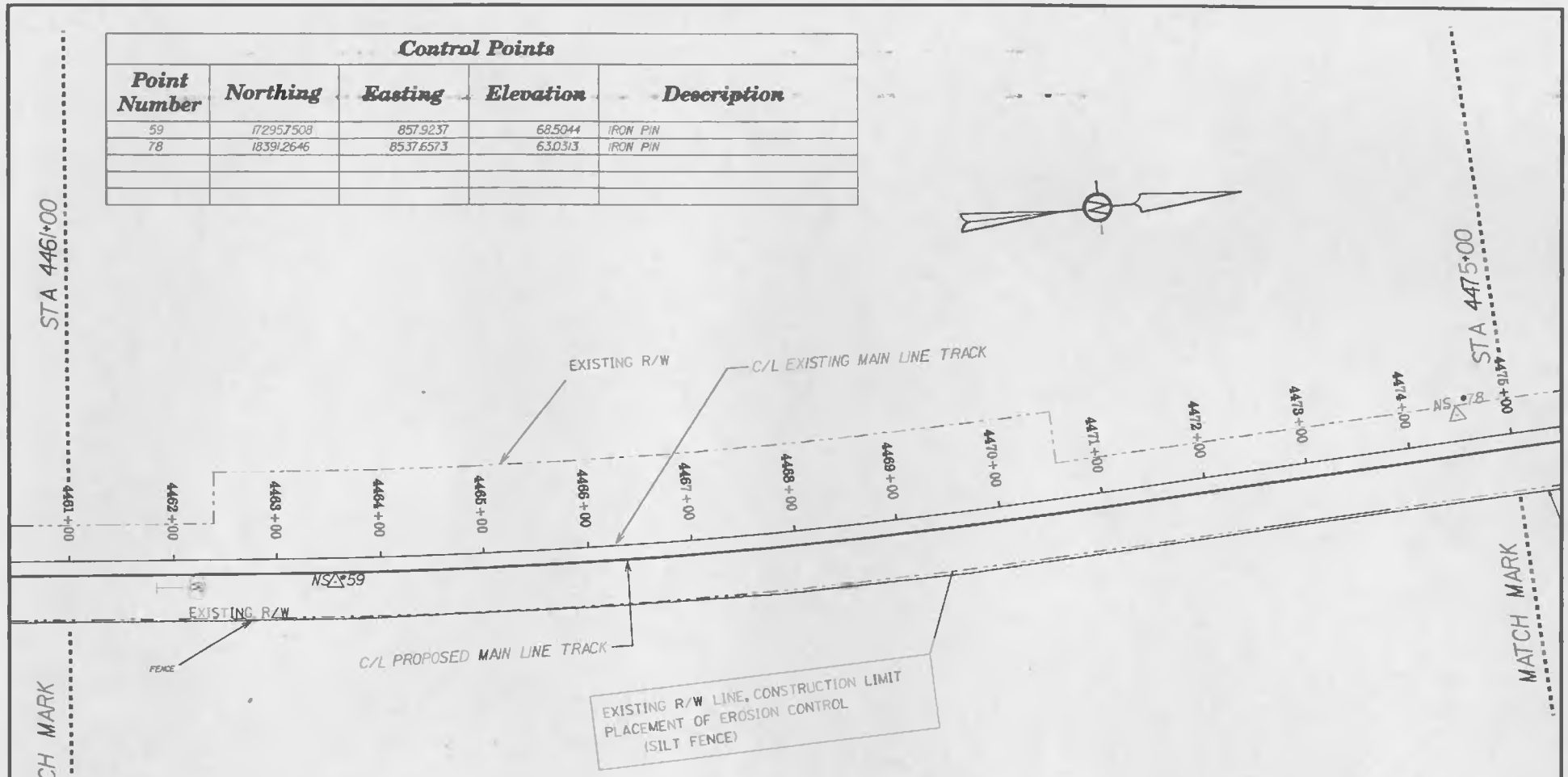
MILEPOST S-78.1 TO S-88.4

PLAN VIEW

RCZ	V-18 DH	MULTIPLE	S-78 TO 88
CLB	107-1-6218		
	MARCH 22, 2000	TB-1999-86	

SHEET 30 OF

Control Points				
Point Number	Northing	Easting	Elevation	Description
59	172957.508	857.9237	685044	IRON PIN
78	183912.646	8537.6573	630313	IRON PIN



SCALE 1" = 100'

0 100 200

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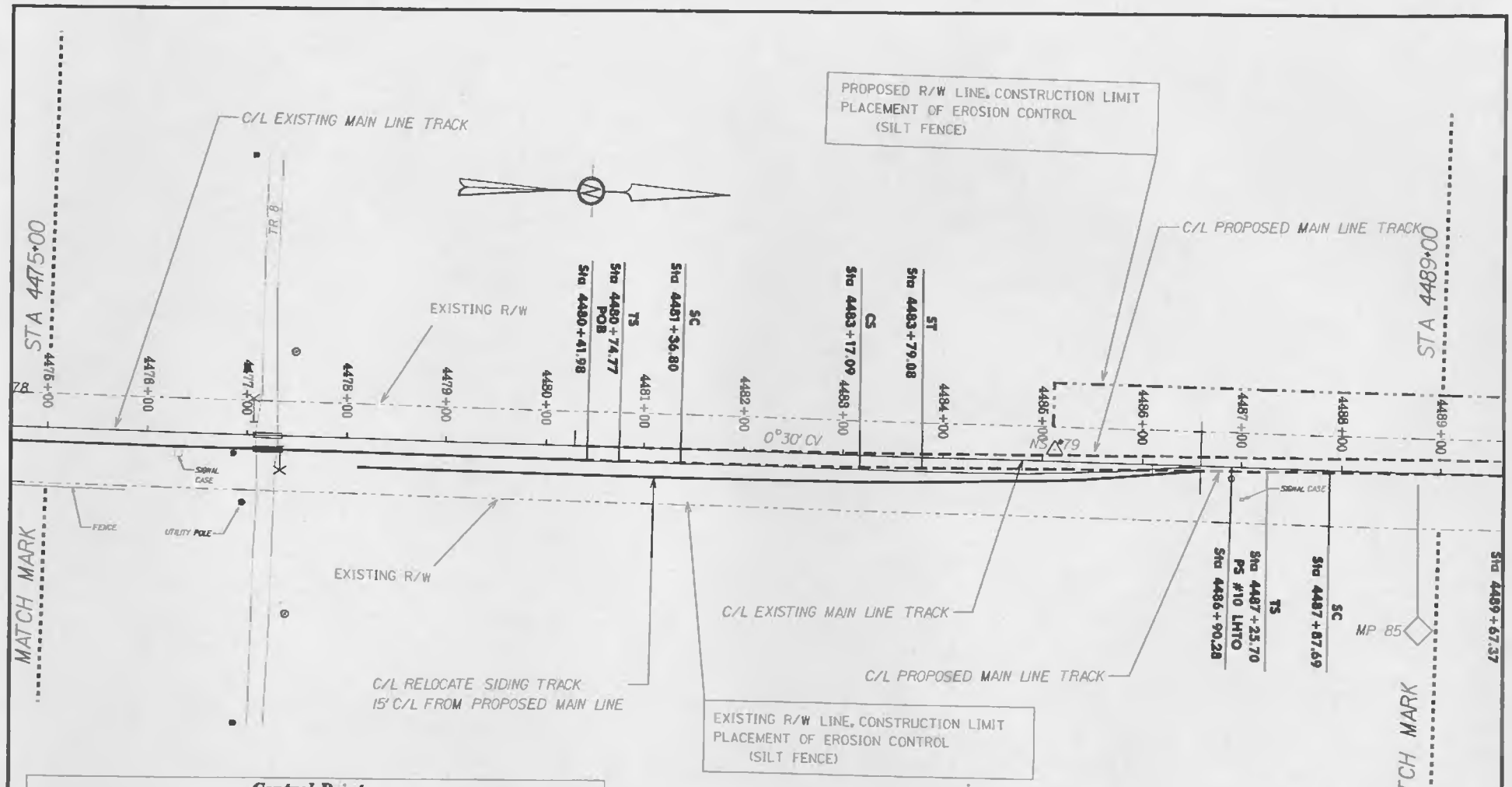
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-19 OH	MULTIPLE	S-78 TO 88
CLB	107-1-6218		
	MARCH 22, 2000		TB-1999-86

SHEET 31 OF



Control Points

Point Number	Northing	Easting	Elevation	Description
79	19451.4718	8491.4423	53.709	IRON PIN

SCALE: 1" = 100'

0 100 200

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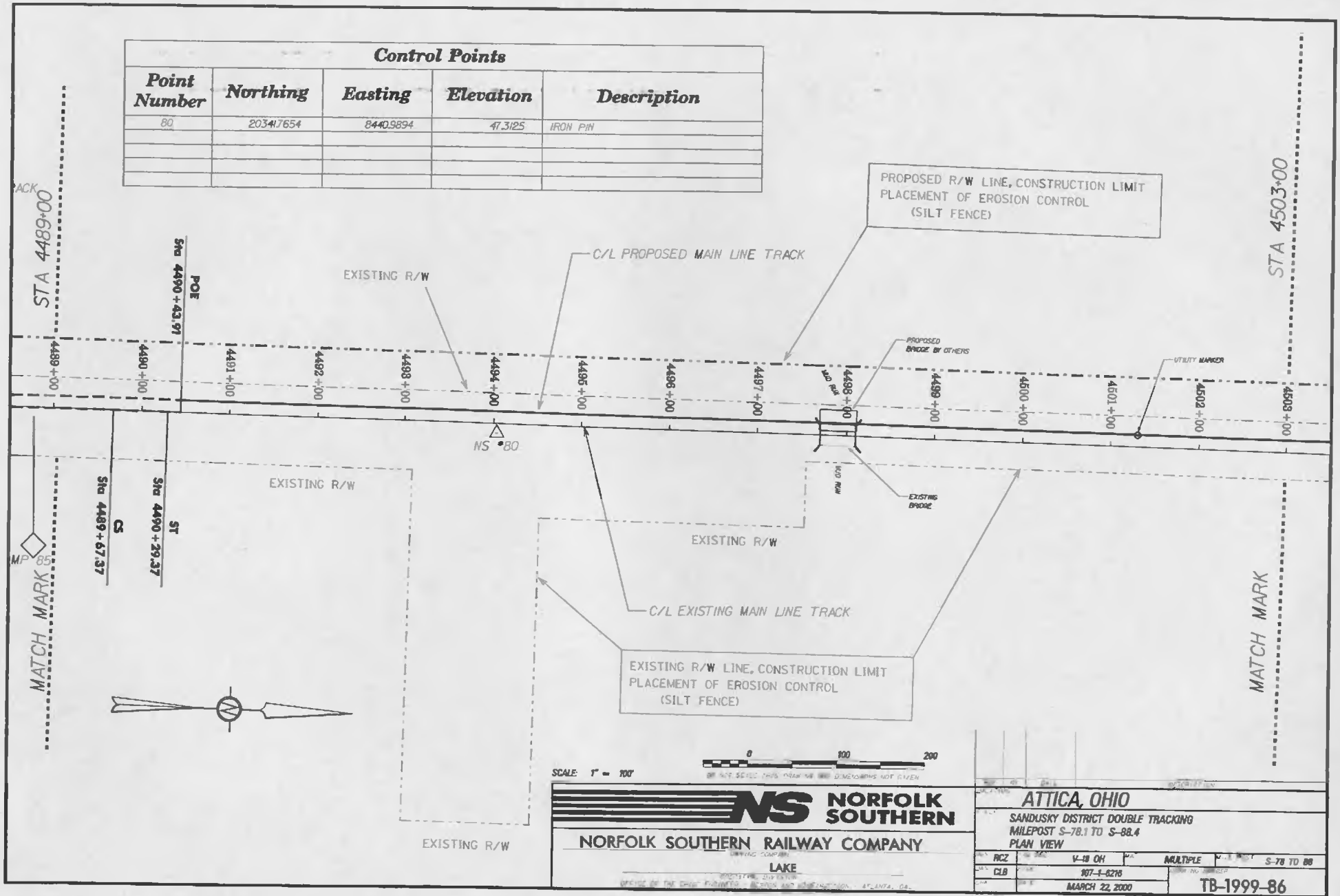
SANDUSKY DISTRICT DOUBLE TRACKING

MILEPOST S-78.1 TO S-88.4

PLAN VIEW

RCZ	V-18 DH	MULTIPLE	S-78 TO 88
CLB	107-1-6218		
	MARCH 22, 2000	TB-1999-86	

SHEET 32 OF


Control Points
Point Number | Northing | Easting | Elevation | Description
80 | 203417654 | 8440.9894 | 417.3125 | IRON PIN
STA 4489+00
STA 4503+00
POE Sta 4490+43.91
EXISTING R/W
C/L PROPOSED MAIN LINE TRACK
PROPOSED R/W LINE, CONSTRUCTION LIMIT
PLACEMENT OF EROSION CONTROL
(SILT FENCE)
PROPOSED BRIDGE BY OTHERS
UTILITY MARKER
4489+00
4490+00
4491+00
4492+00
4493+00
4494+00
4495+00
4496+00
4497+00
4498+00
4499+00
4500+00
4501+00
4502+00
4503+00
NS 80
MP 85
Sta 4489+67.37 CS
Sta 4490+29.37 ST
EXISTING R/W
EXISTING BRIDGE
C/L EXISTING MAIN LINE TRACK
EXISTING R/W LINE, CONSTRUCTION LIMIT
PLACEMENT OF EROSION CONTROL
(SILT FENCE)
MATCH MARK
MATCH MARK
EXISTING R/W
SCALE: 1" = 100'
0 100 200
NORFOLK SOUTHERN
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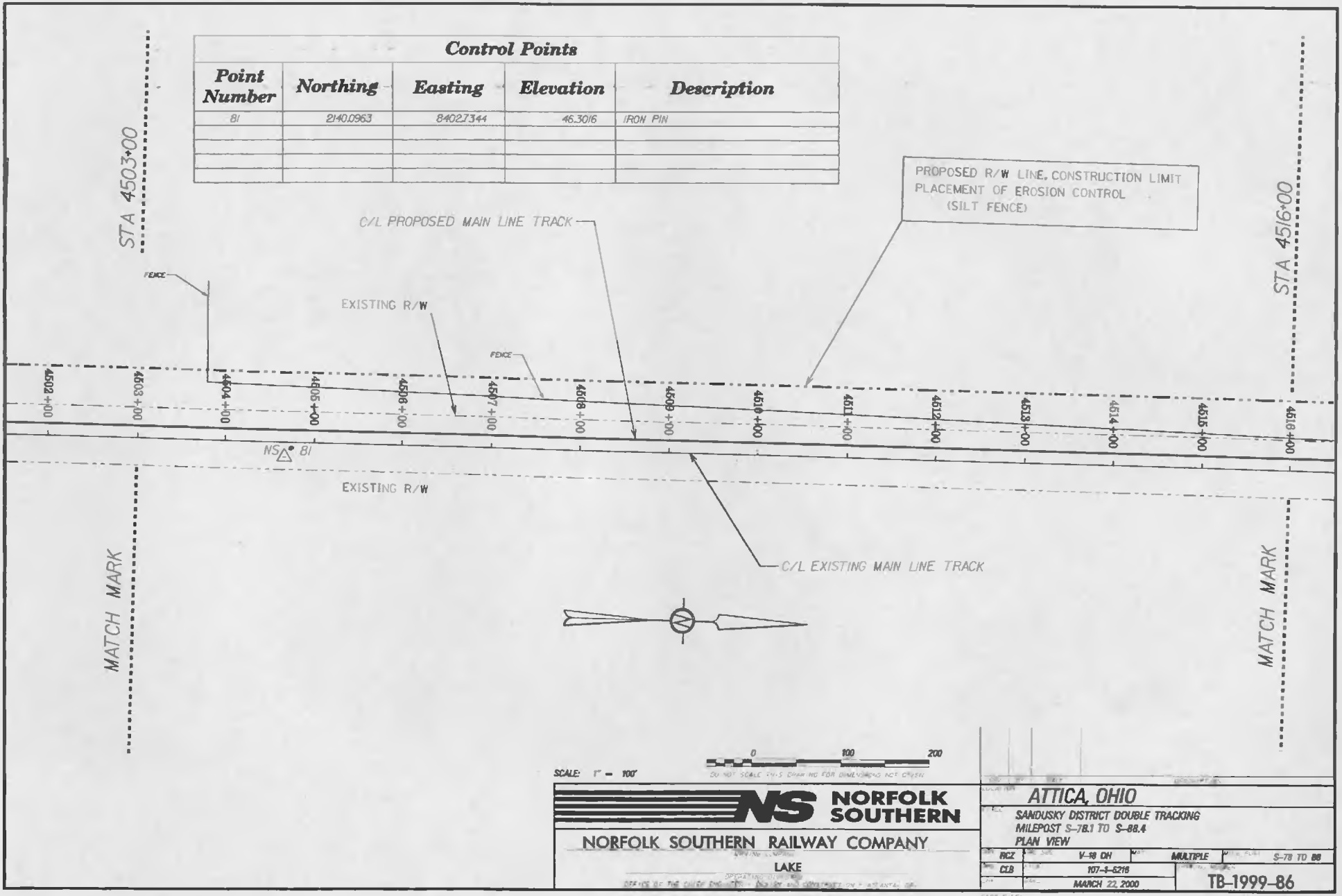
LAKE
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW
RCZ
V-18 OH
MULTIPLE
S-78 TO 88
CLB
167-1-6216
MARCH 22, 2000
TB-1999-86
SHEET 33 OF


Control Points
Point Number | Northing | Easting | Elevation | Description
81 | 2140.0963 | 840273.44 | 46.3016 | IRON PIN
STA 4503+00
STA 4516+00
PROPOSED R/W LINE, CONSTRUCTION LIMIT
PLACEMENT OF EROSION CONTROL
(SILT FENCE)
C/L PROPOSED MAIN LINE TRACK
EXISTING R/W
FENCE
FENCE
4502+00
4503+00
4504+00
4505+00
4506+00
4507+00
4508+00
4509+00
4510+00
4511+00
4512+00
4513+00
4514+00
4515+00
4516+00
NS 81
EXISTING R/W
C/L EXISTING MAIN LINE TRACK
MATCH MARK
MATCH MARK
SCALE: 1" = 100'
0
100
200
DO NOT SCALE THIS DRAWING FOR DIMENSIONS NOT GIVEN
NORFOLK SOUTHERN
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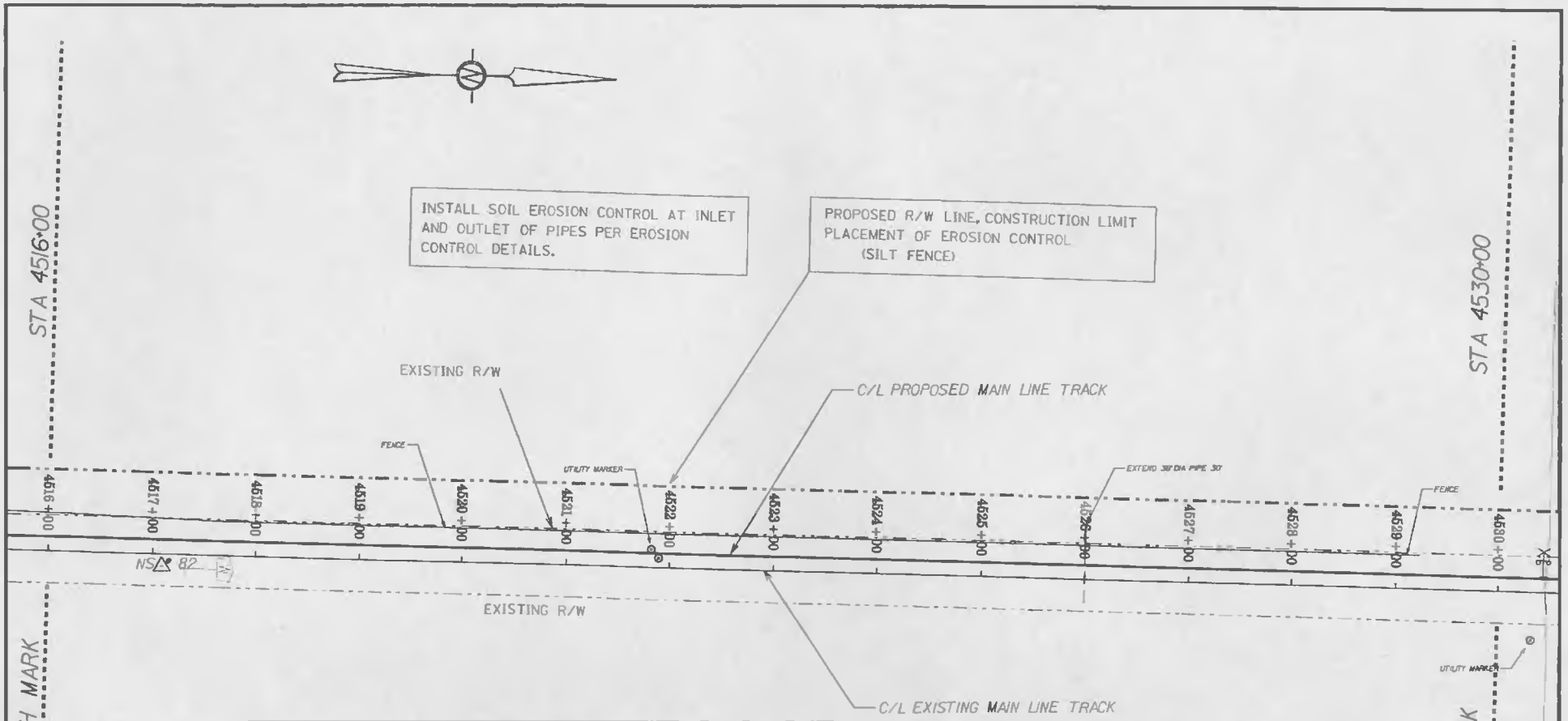
LAKE
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW
RCZ
V-18 DH
MULTIPLE
S-78 TO 88
CLB
107-4-5218
MARCH 22, 2000
TB-1999-86
SHEET 34 OF



Control Points

Point Number	Northing	Easting	Elevation	Description
82	22646.1951	8369.1814	50.6073	IRON PIN

SCALE: 1" = 100'

0 100 200

DO NOT SCALE THIS DRAWING FOR DIMENSIONS NOT GIVEN

NORFOLK SOUTHERN

NORFOLK SOUTHERN RAILWAY COMPANY

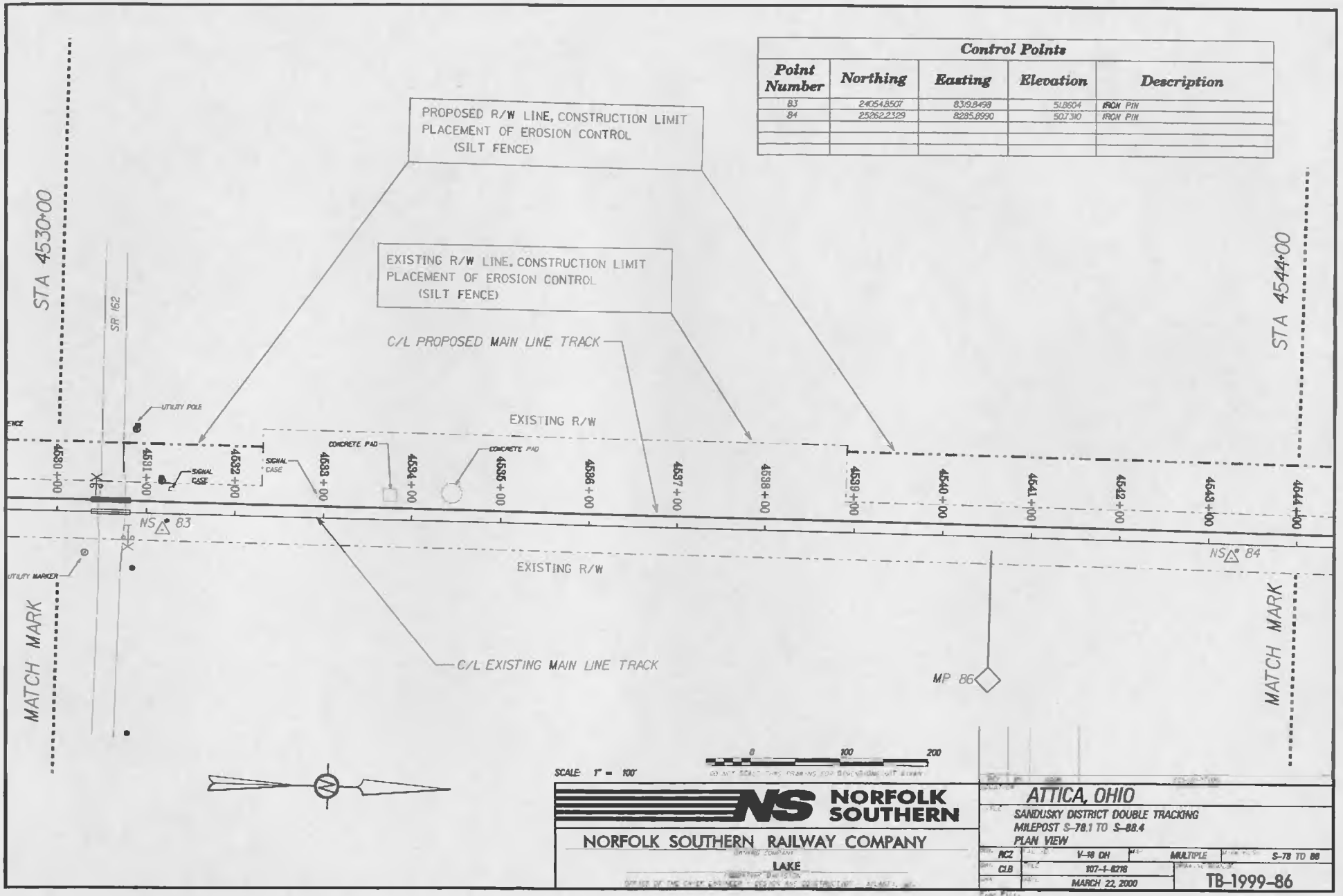
LAKE

ATTICA, OHIO

SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 DH	MULTIPLE	S-78 TO 88
CLB	107-1-6216		
	MARCH 22, 2000		TB-1999-86

SHEET 35 OF



Control Points				
Point Number	Northing	Easting	Elevation	Description
B3	24054.8507	8319.8498	518.604	IRON PIN
B4	25262.2329	8285.8990	507.310	IRON PIN

NORFOLK SOUTHERN

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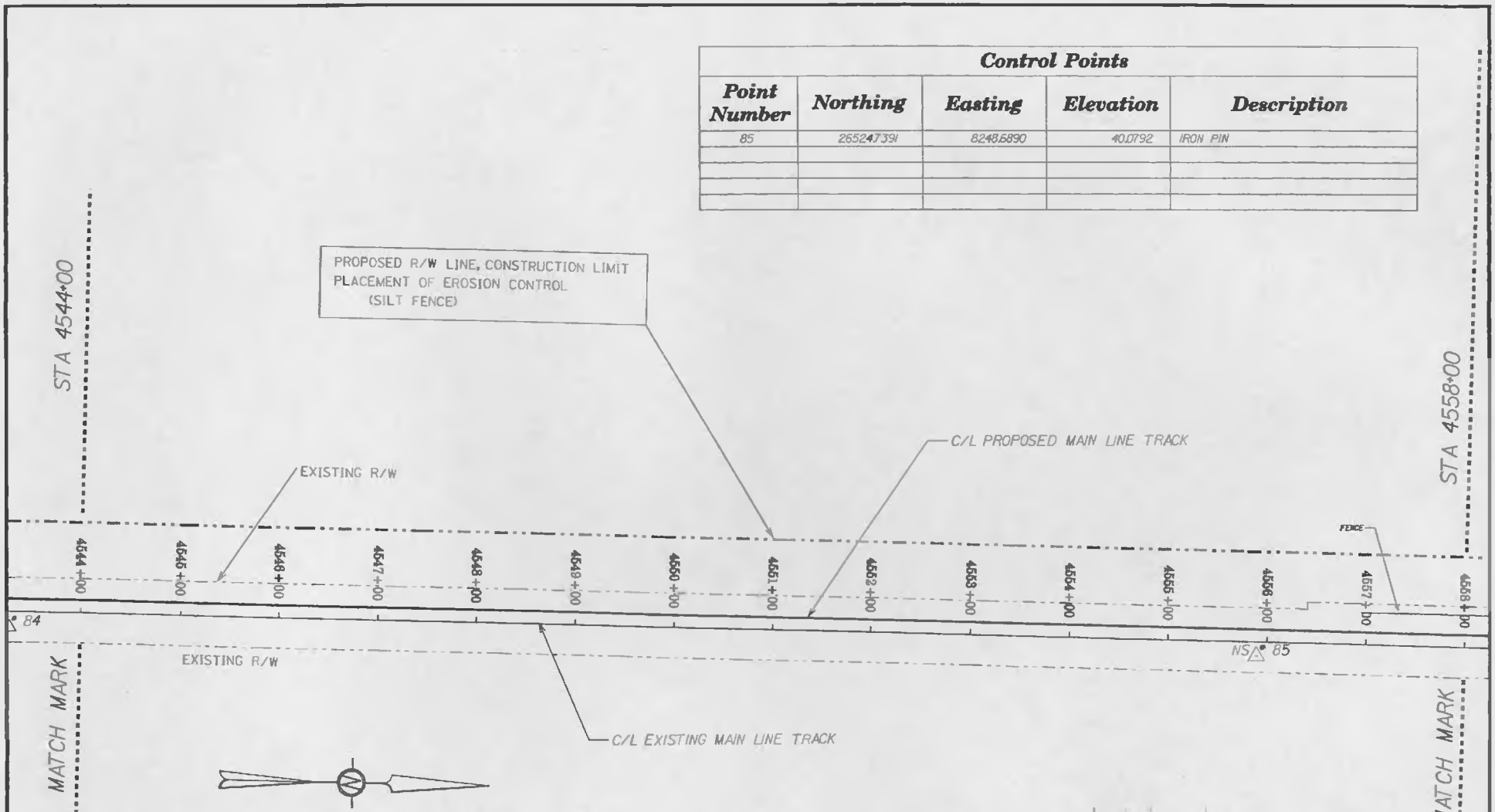
ATTICA, OHIO

SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 DH	MULTIPLE	S-78 TO 88
CLB	107-1-8216		
	MARCH 22, 2000		TB-1999-86

SHEET 36 OF

Control Points				
Point Number	**Northing**	**Easting**	**Elevation**	**Description**
85	265247.391	8248.6890	40.0792	IRON PIN



NORFOLK SOUTHERN

NORFOLK SOUTHERN RAILWAY COMPANY

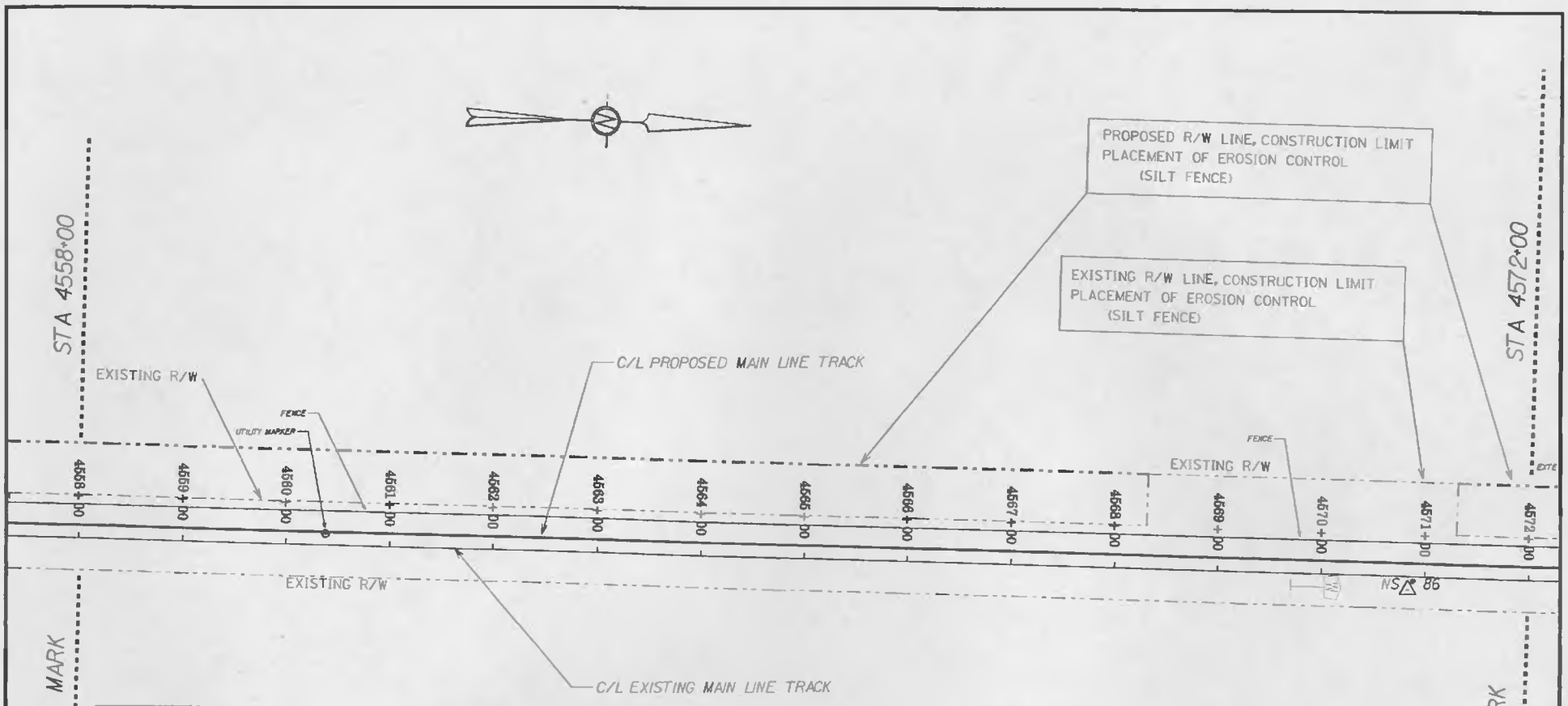
LAKE

ATTICA, OHIO

SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-8216		
	MARCH 22, 2000		TB-1999-86

SHEET 37 OF



Control Points

Point Number	Northing	Easting	Elevation	Description
86	2801.7.4178	8204.2026	29.3698	IRON PIN

SCALE: 1" = 100'

0 100 200

DO NOT SCALE THIS DRAWING FOR DIMENSIONS NOT GIVEN

NORFOLK SOUTHERN

NORFOLK SOUTHERN RAILWAY COMPANY

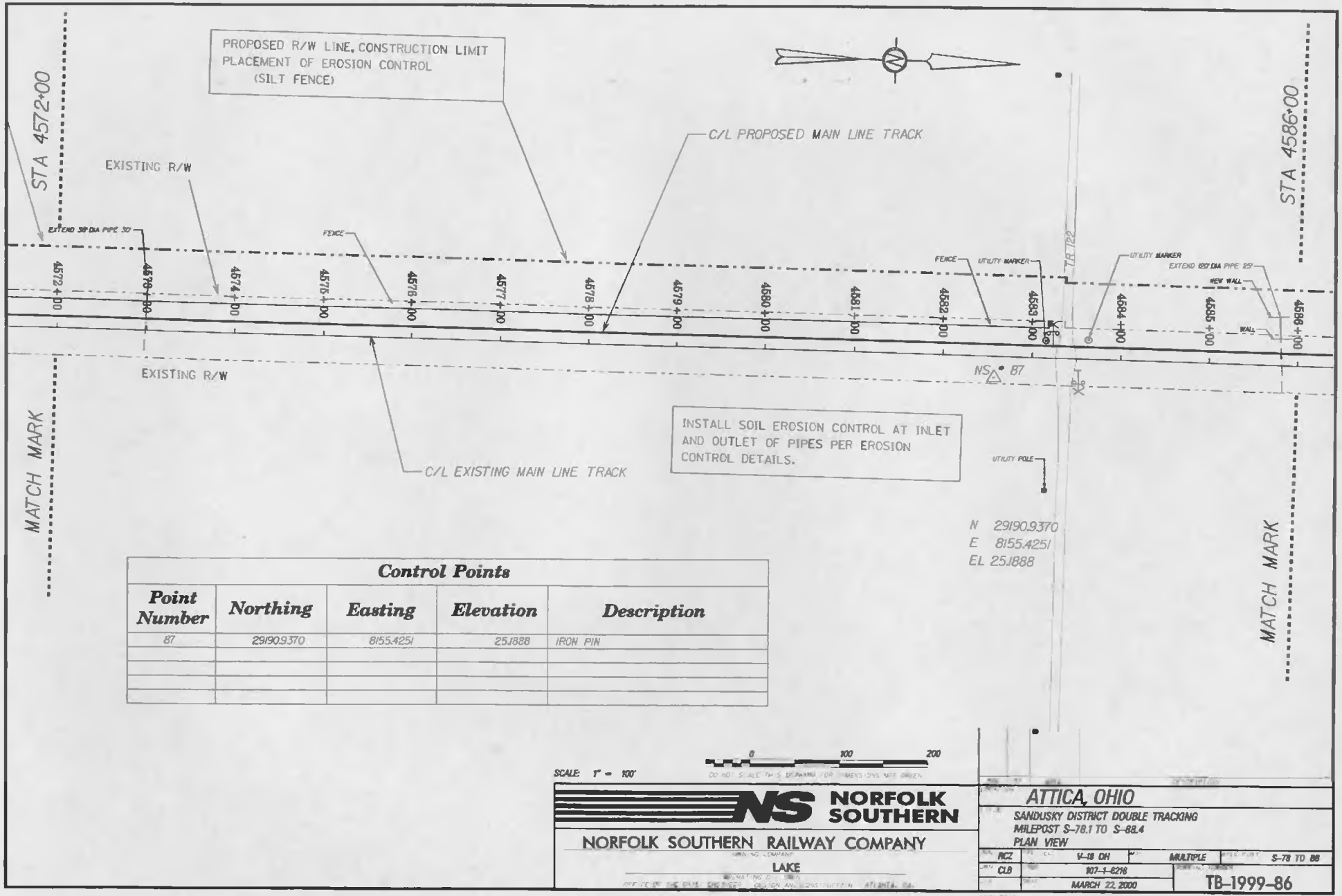
LAKE

ATTICA, OHIO

SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-3-6216		
	MARCH 22, 2000		TB-1999-86

SHEET 38 OF



Control Points

Point Number	Northing	Easting	Elevation	Description
87	29190.9370	8155.4251	251.888	IRON PIN

SCALE: 1" = 100'

0 100 200

DO NOT SCALE THIS DRAWING FOR DIMENSIONS NOT GIVEN

NORFOLK SOUTHERN

NORFOLK SOUTHERN RAILWAY COMPANY

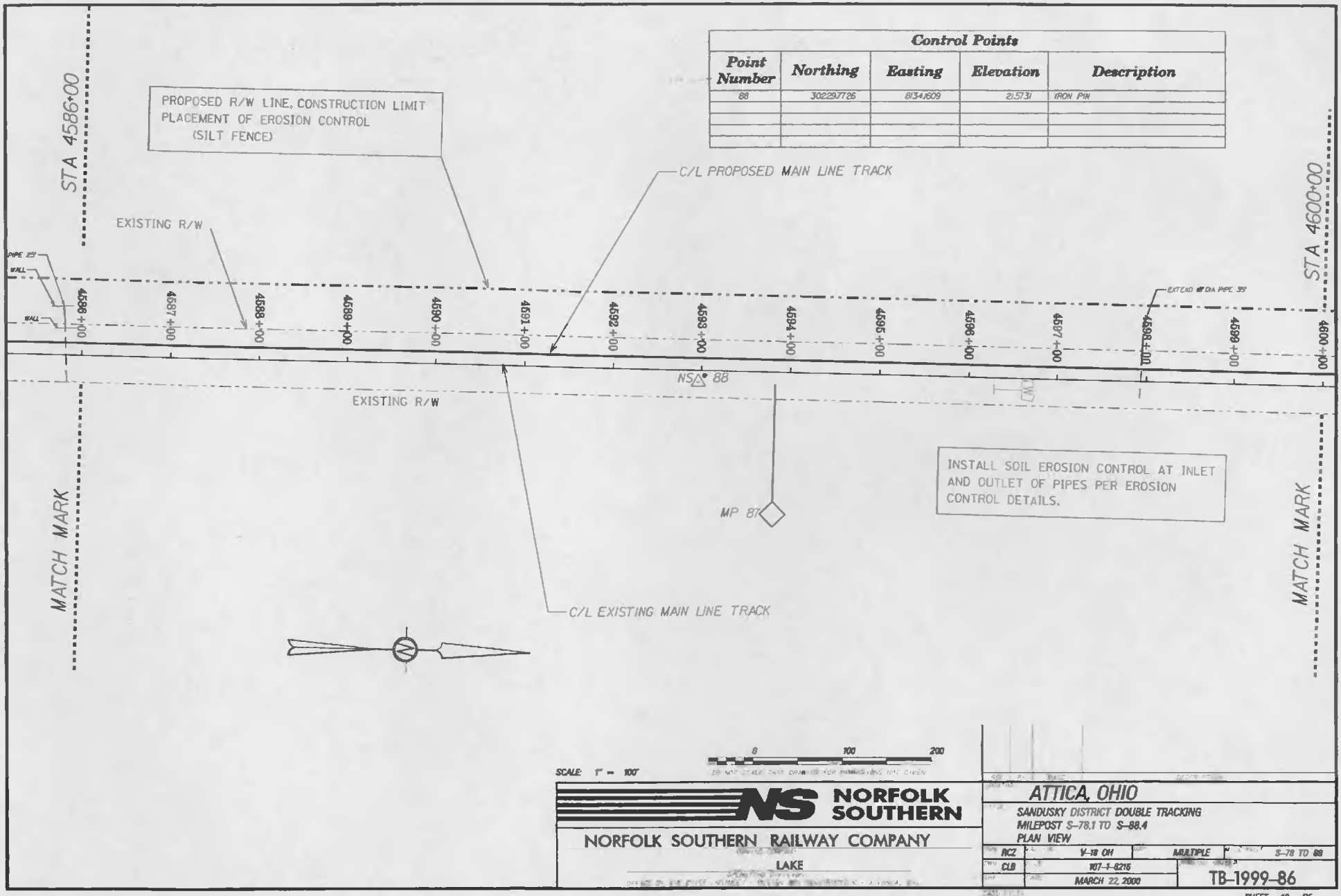
LAKE

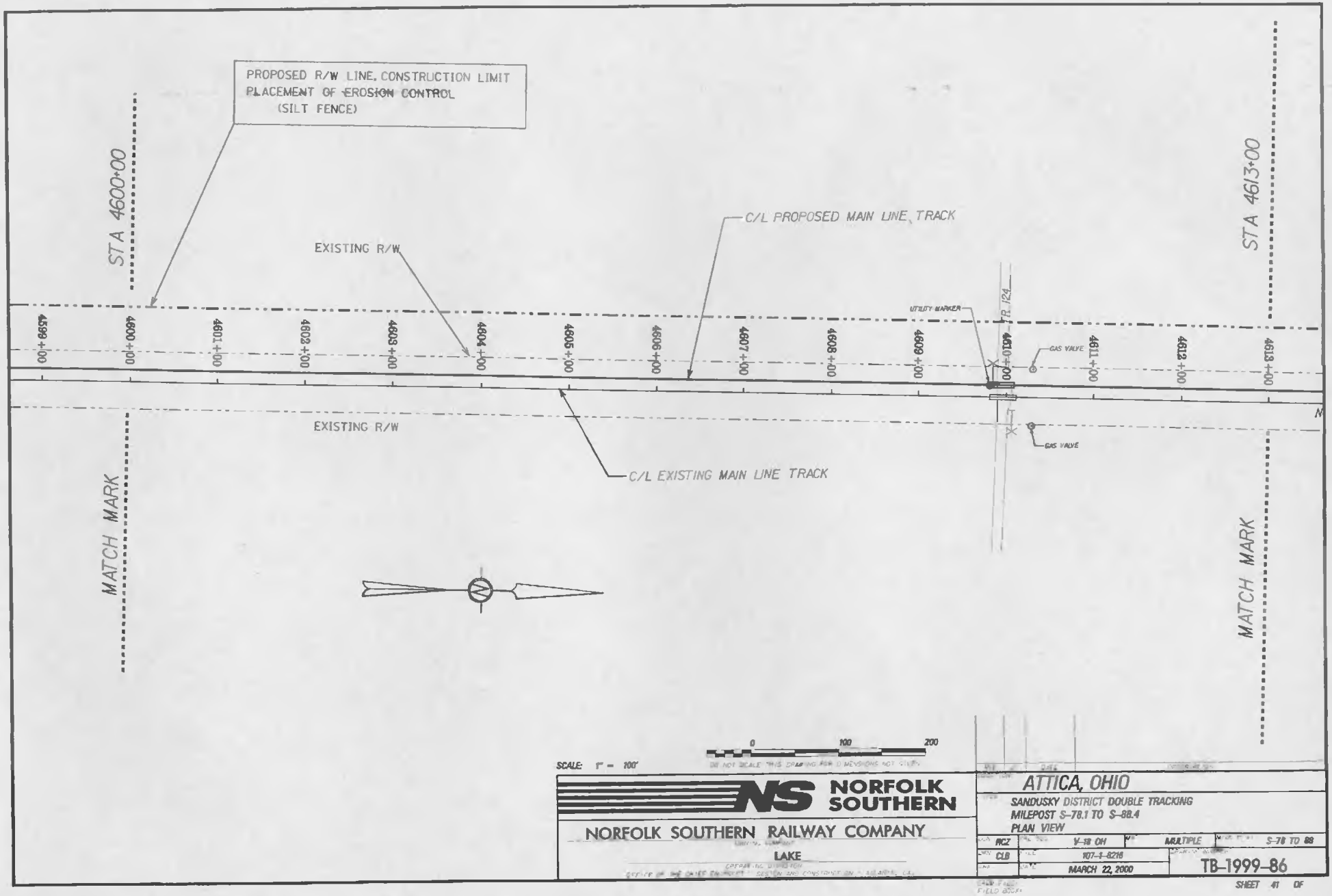
ATTICA, OHIO

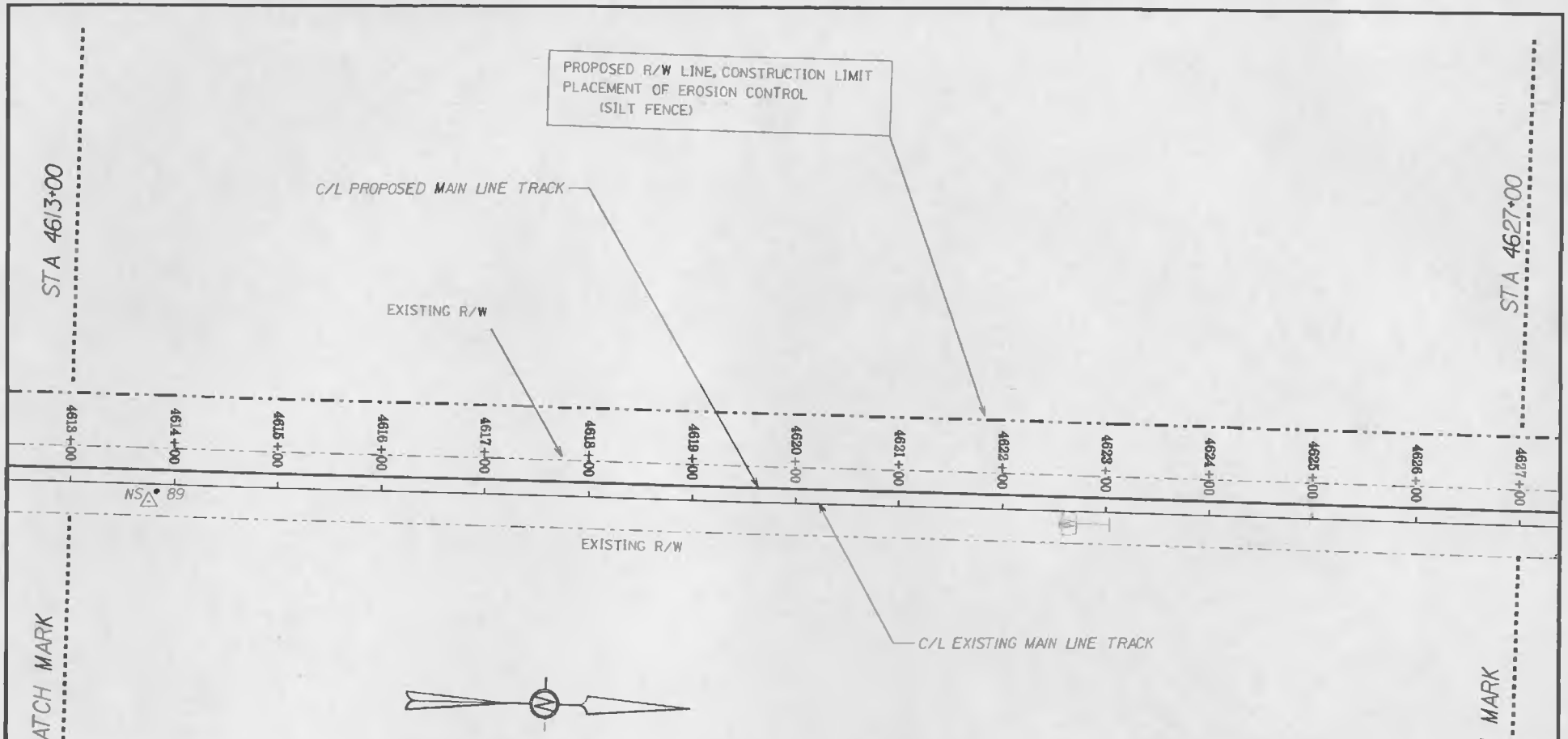
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 DH	MULTIPLE	S-78 TO 88
CLB	107-1-6216		
	MARCH 22, 2000		TB-1999-86

SHEET 38 OF


Control Points
Point Number | Northing | Easting | Elevation | Description
88 | 302297.726 | 813413.609 | 215.731 | IRON PIN
PROPOSED R/W LINE, CONSTRUCTION LIMIT
PLACEMENT OF EROSION CONTROL
(SILT FENCE)
C/L PROPOSED MAIN LINE TRACK
EXISTING R/W
STA 4586+00
STA 4600+00
PIPE 23'
WALL
WALL
4586+00
4587+00
4588+00
4589+00
4590+00
4591+00
4592+00
4593+00
4594+00
4595+00
4596+00
4597+00
4598+00
4599+00
4600+00
EXTEND 18" DIA PIPE 35'
NS 88
EXISTING R/W
MP 87
INSTALL SOIL EROSION CONTROL AT INLET
AND OUTLET OF PIPES PER EROSION
CONTROL DETAILS.
MATCH MARK
MATCH MARK
C/L EXISTING MAIN LINE TRACK
0
100
200
SCALE: 1" = 100'
NORFOLK SOUTHERN
NORFOLK SOUTHERN RAILWAY COMPANY
LAKE
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW
RCZ
V-18 OH
MULTIPLE
S-78 TO 88
CLB
107-1-8216
MARCH 22, 2000
TB-1999-86
SHEET 40 OF


PROPOSED R/W LINE, CONSTRUCTION LIMIT
PLACEMENT OF EROSION CONTROL
(SILT FENCE)
STA 4600+00
STA 4613+00
EXISTING R/W
C/L PROPOSED MAIN LINE TRACK
UTILITY MARKER
R. 124
GAS VALVE
4599+00
4600+00
4601+00
4602+00
4603+00
4604+00
4605+00
4606+00
4607+00
4608+00
4609+00
4610+00
4611+00
4612+00
4613+00
EXISTING R/W
GAS VALVE
C/L EXISTING MAIN LINE TRACK
MATCH MARK
MATCH MARK
SCALE: 1" = 100'
0
100
200
DO NOT SCALE THIS DRAWING FOR DIMENSIONS NOT GIVEN
NORFOLK SOUTHERN
NORFOLK SOUTHERN RAILWAY COMPANY
LAKE
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW
RCZ
V-18 OH
MULTIPLE
S-78 TO 88
CLB
107-1-8216
MARCH 22, 2000
TB-1999-86
SHEET 41 OF



Control Points				
Point Number	Northing	Easting	Elevation	Description
89	32307.8707	8066.4991	199.890	IRON PIN

SCALE: 1" = 100'

0 100 200

DO NOT SCALE THIS DRAWING FOR DIMENSIONS NOT GIVEN

NORFOLK SOUTHERN

NORFOLK SOUTHERN RAILWAY COMPANY

LAKE

OPERATING DIVISION

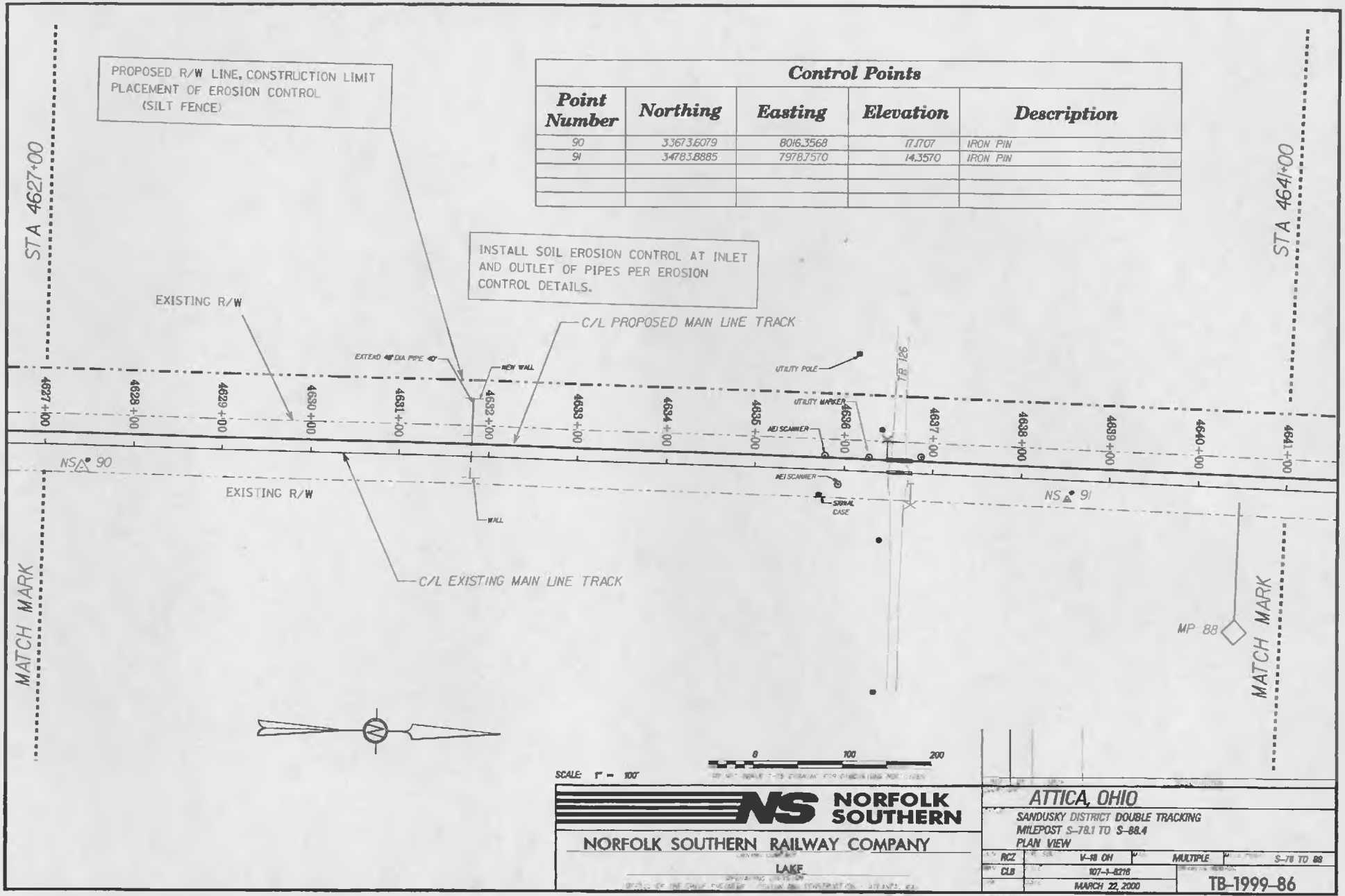
OFFICE OF THE CHIEF ENGINEER - DESIGN AND CONSTRUCTION, ATLANTA, GA

ATTICA, OHIO

SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-6216		
	MARCH 22, 2000	TB-1999-86	

SHEET 42 OF



Control Points

Point Number	Northing	Easting	Elevation	Description
90	33673.6079	8016.3568	17.1707	IRON PIN
91	34783.8885	7978.7570	14.3570	IRON PIN

NORFOLK SOUTHERN

NORFOLK SOUTHERN RAILWAY COMPANY

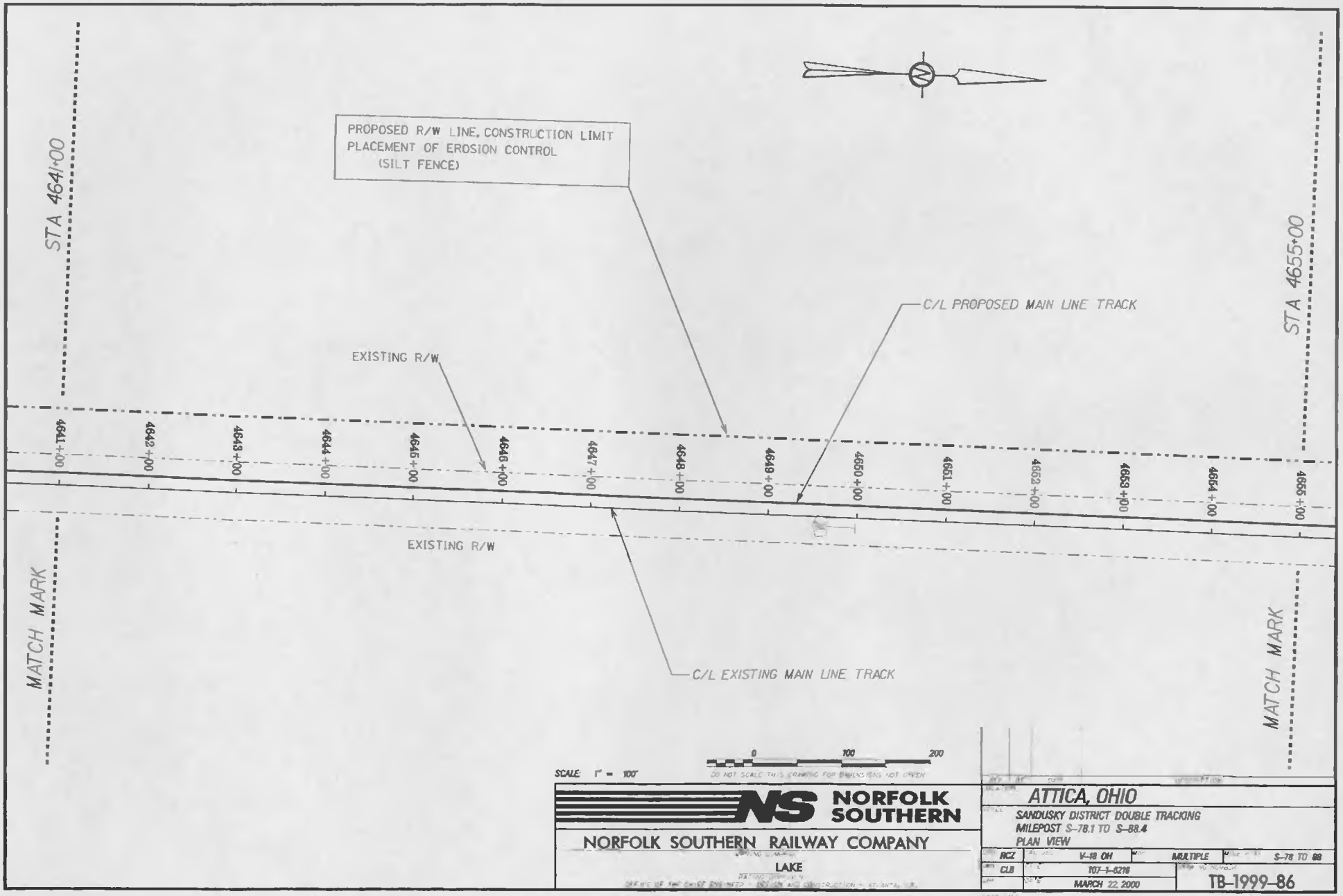
LAKE

ATTICA, OHIO

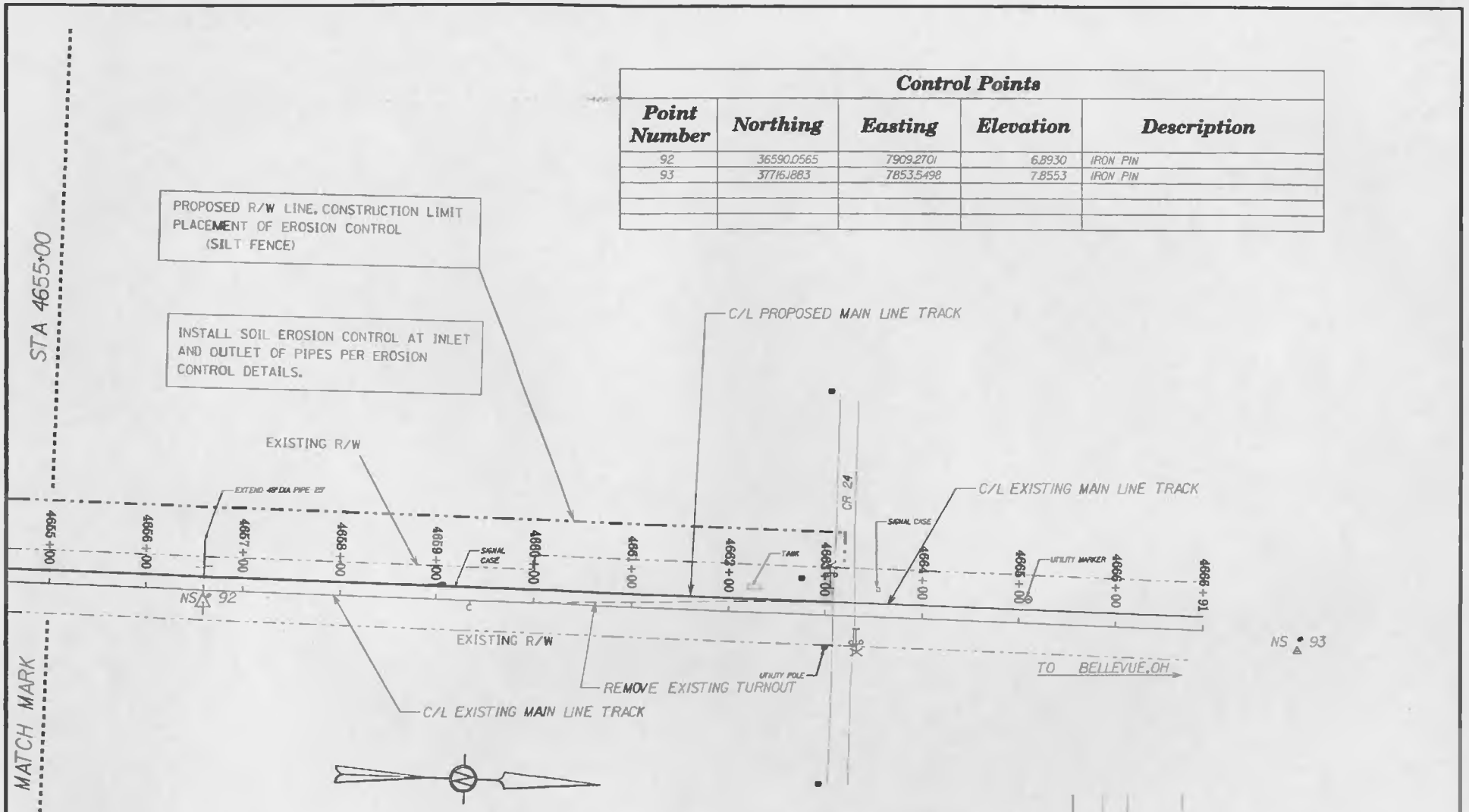
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88
CLB	107-1-8216		
	MARCH 22, 2000		TB-1999-86

SHEET 43 OF


STA 4641+00
STA 4655+00
PROPOSED R/W LINE, CONSTRUCTION LIMIT
PLACEMENT OF EROSION CONTROL
(SILT FENCE)
C/L PROPOSED MAIN LINE TRACK
EXISTING R/W
4641+00
4642+00
4643+00
4644+00
4645+00
4646+00
4647+00
4648+00
4649+00
4650+00
4651+00
4652+00
4653+00
4654+00
4655+00
EXISTING R/W
MATCH MARK
MATCH MARK
C/L EXISTING MAIN LINE TRACK
SCALE 1" = 100'
0
100
200
DO NOT SCALE THIS DRAWING FOR BIDDING NOT GIVEN
NORFOLK SOUTHERN
NORFOLK SOUTHERN RAILWAY COMPANY
LAKE
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW
RCZ
V-18 OH
MULTIPLE
S-78 TO 88
CLB
107-1-6216
MARCH 22, 2000
TB-1999-86
SHEET 44 OF

Control Points				
Point Number	**Northing**	**Easting**	**Elevation**	**Description**
92	36590.0565	7909.2701	6.8930	IRON PIN
93	37716.1883	7853.5498	7.8553	IRON PIN



NORFOLK SOUTHERN

NORFOLK SOUTHERN RAILWAY COMPANY

LAKE

ATTICA, OHIO

SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-78.1 TO S-88.4
PLAN VIEW

RCZ	V-18 OH	MULTIPLE	S-78 TO 88	
CLB	107-1-6216			
	MARCH 22, 2000		TB-1999-86	

SHEET 45 OF

CROSS SECTIONS

SCALES –

HORIZ:

VERT:

20

10

0

-10 0 10 20

REV. DATE REVISION DESCRIPTION

ATTICA, OHIO

SANDUSKY DISTRICT DOUBLE TRACKING

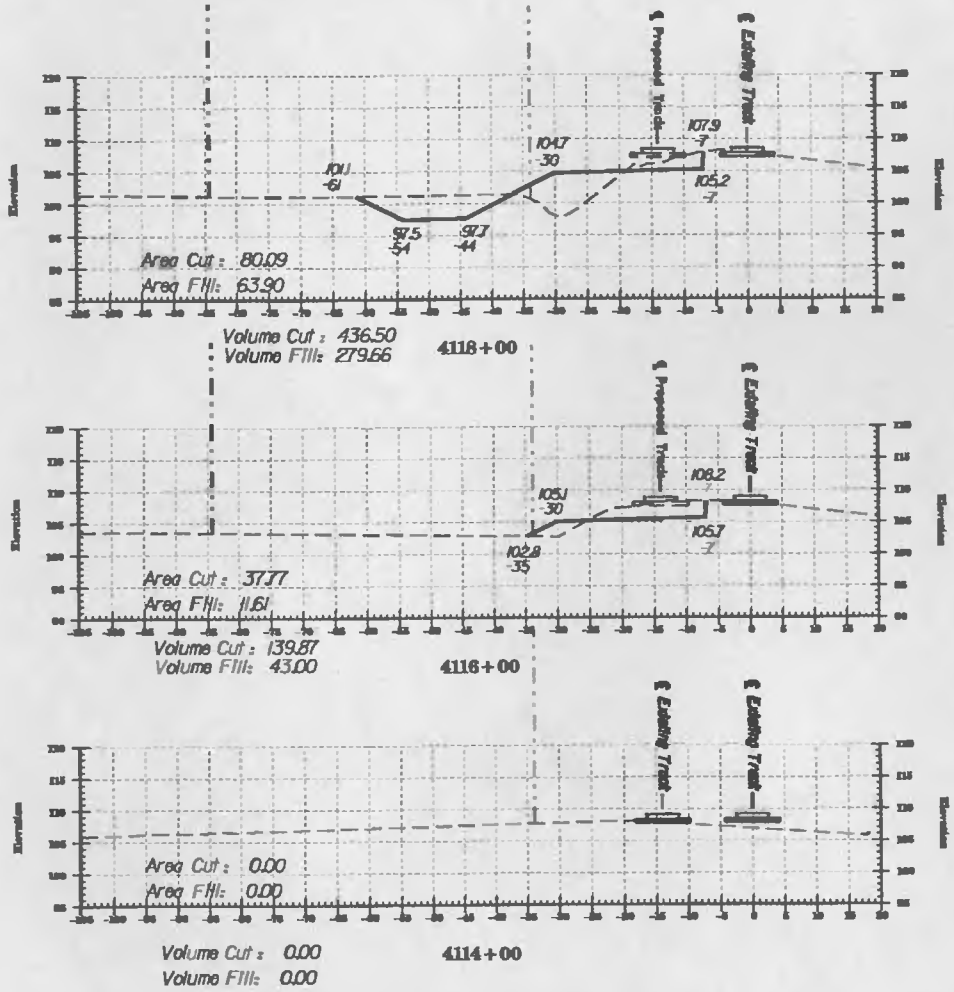
MILEPOST S-77.9 TO S-88.4

CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION OFFICE OF CORP. ENGINEER

[illegible] FILE NO. [illegible] DATE [illegible]

DR. RCZ SHEET 46 OF DWG No. TB-1999-86



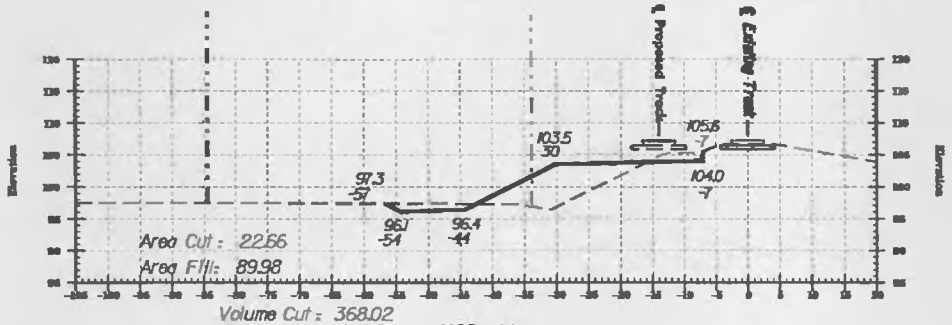
LEGEND

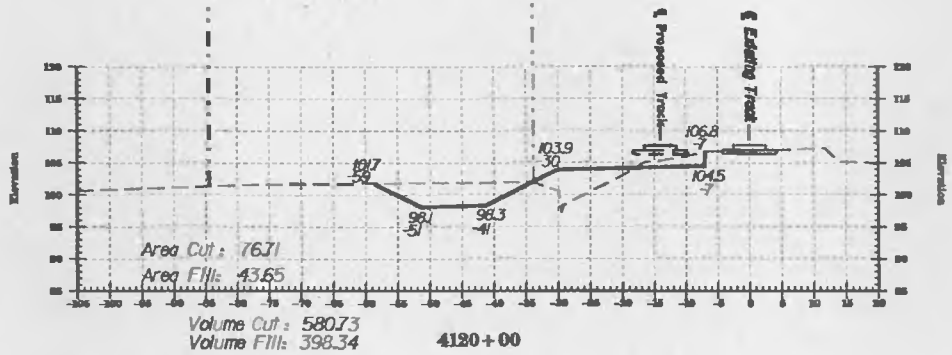
Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-80.4
CROSS SECTIONS

DES. RCZ | FILE No. 107-1-6216 | DATE 03/21/2000
DR. RCZ | SHEET 47 OF





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

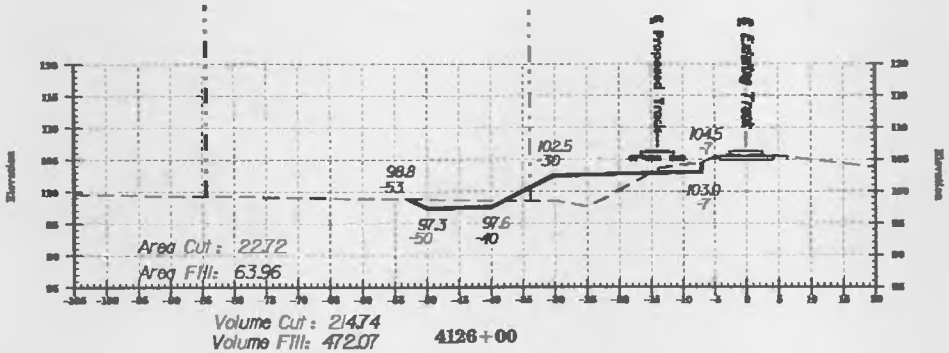
SCALES –
HORIZ. 1" = 20'
VERT: 1" = 20'

NO.	DATE	BY	REVISION DESCRIPTION

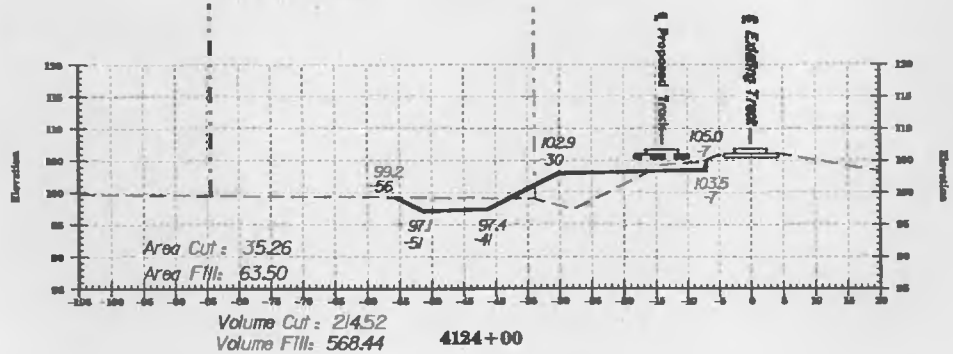
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	F.A.P. NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 40 OF	DRG NO. TB-1999-86



4126+00



4124+00

LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

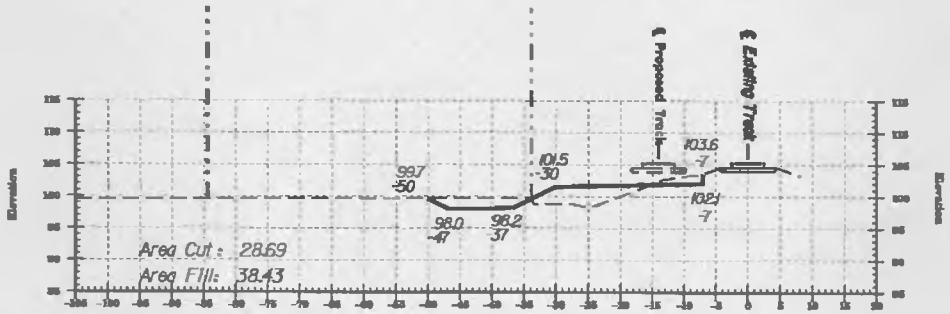
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

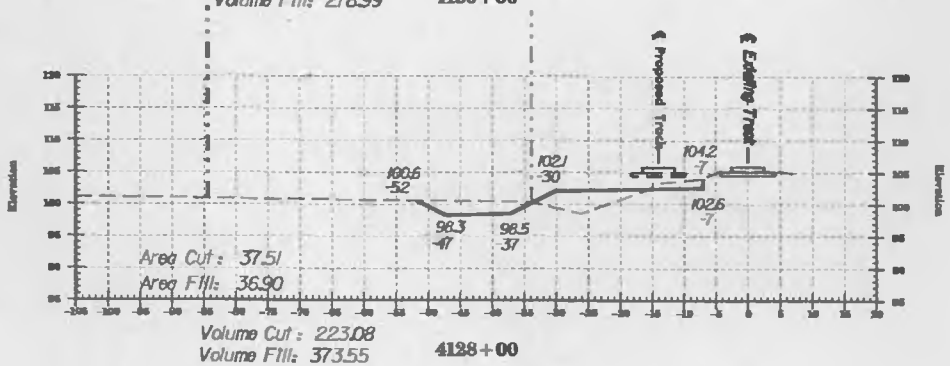
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. REZ | FILE No. 107-1 6216 | DATE 03/21/2000
DR. REZ | SHEET 49 OF | DWG No. [illegible]





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

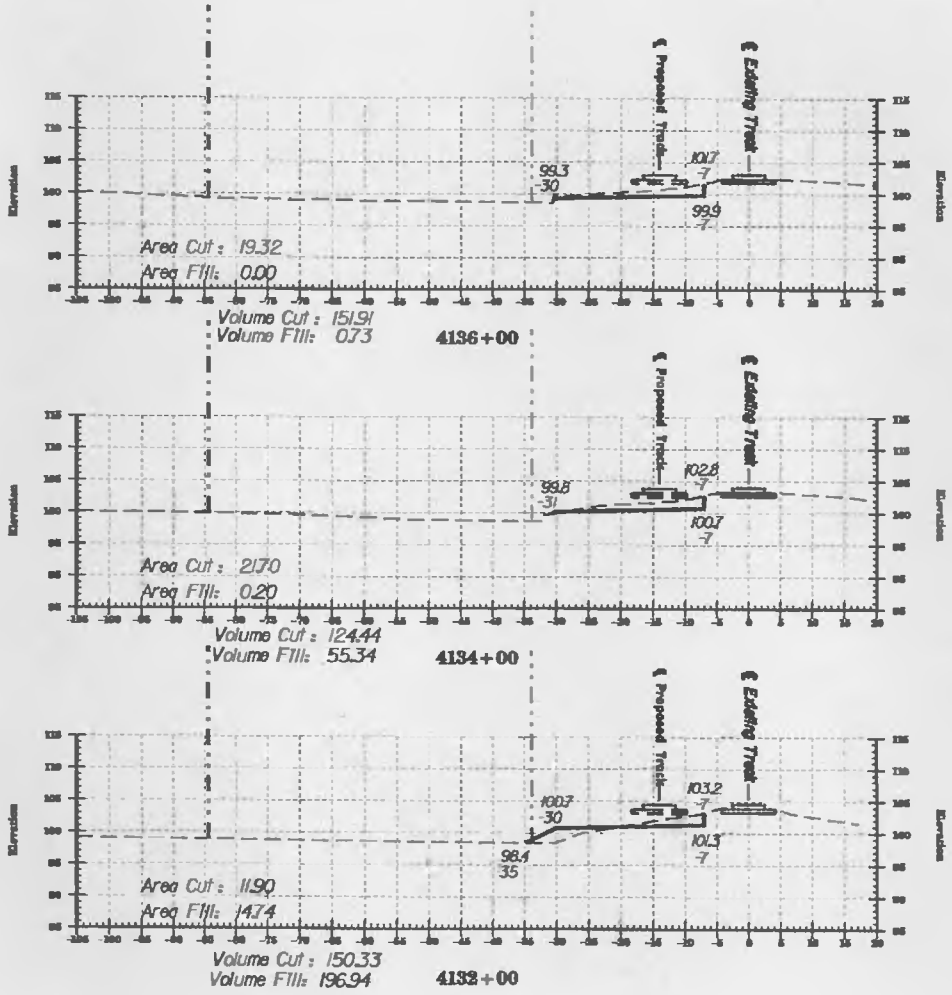
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

D.S. RCZ	FILE No. 107-1-6216	DATE 03/21/2000
CH. RCZ	SHEET 50 OF	JOB NO. TB-1999-86



LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

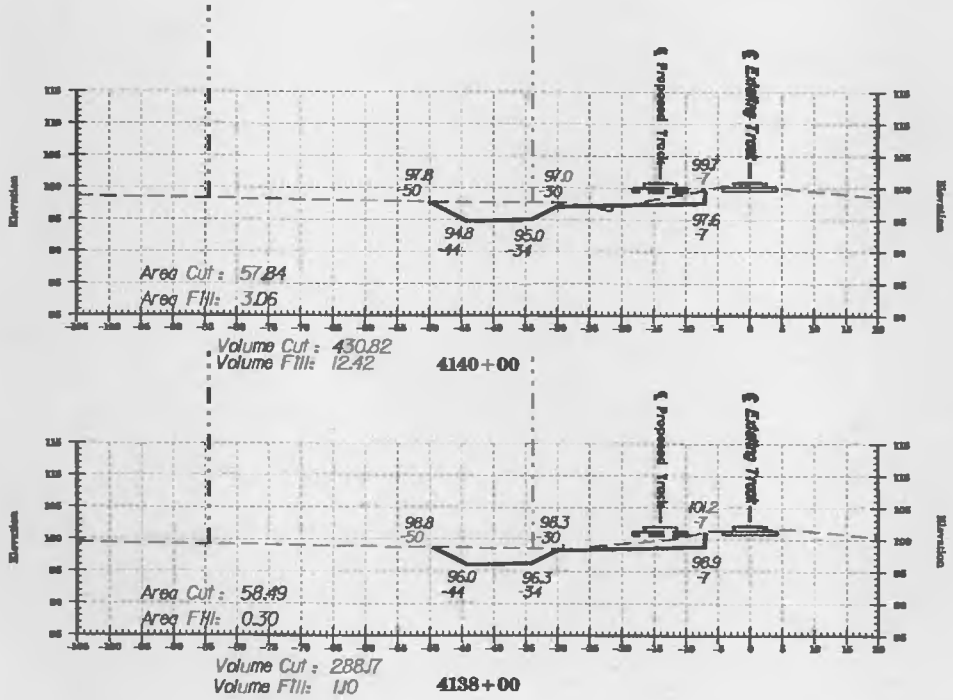
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

NO.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
CK. RCZ	SHEET 51 OF	DWG No. TB-1999-86



LEGEND

Existing Surface

Proposed Surface

Existing Property Line

Proposed Property Line

SCALES –

HORZ: 1" = 20'

VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO

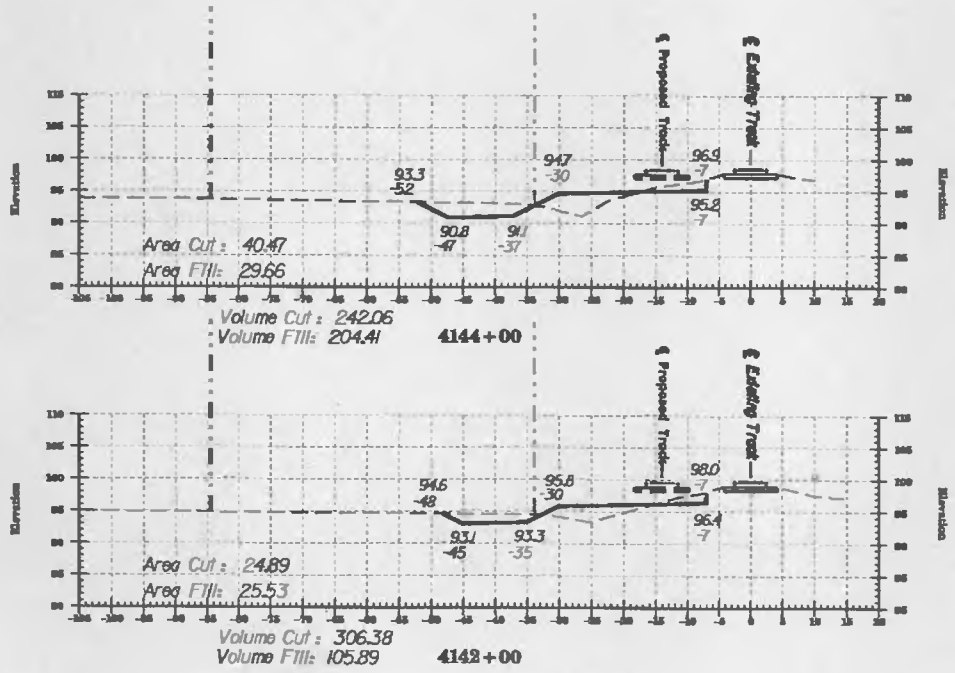
SANDUSKY DISTRICT DOUBLE TRACKING

MILEPOST S-77.9 TO S-80.4

CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107.1 6216	DATE 03/21/2000
DR. RCZ	SHT. 52 OF	NS NO. TB-1999-86



LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

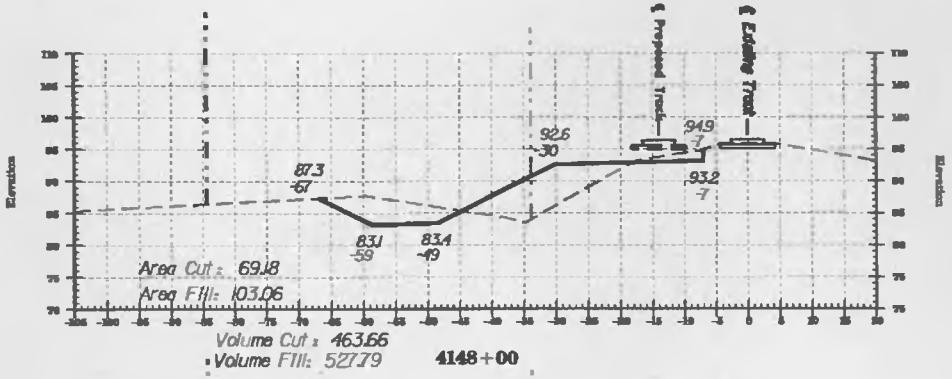
20
10
0
-10 0 10 20

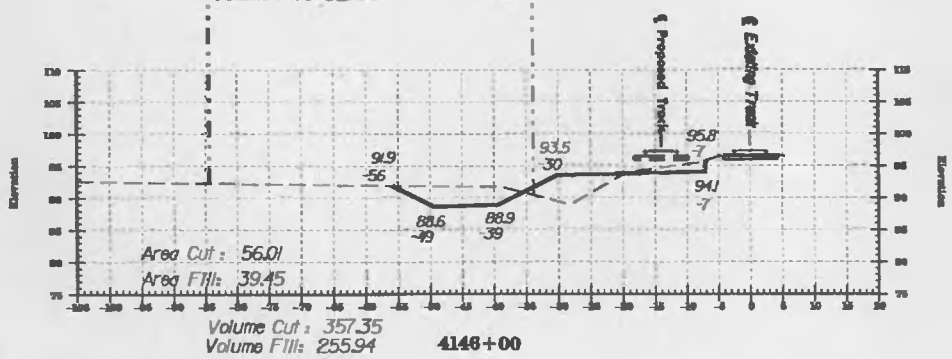
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-86.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 53 OF	DWG NO. TB-1999-86





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

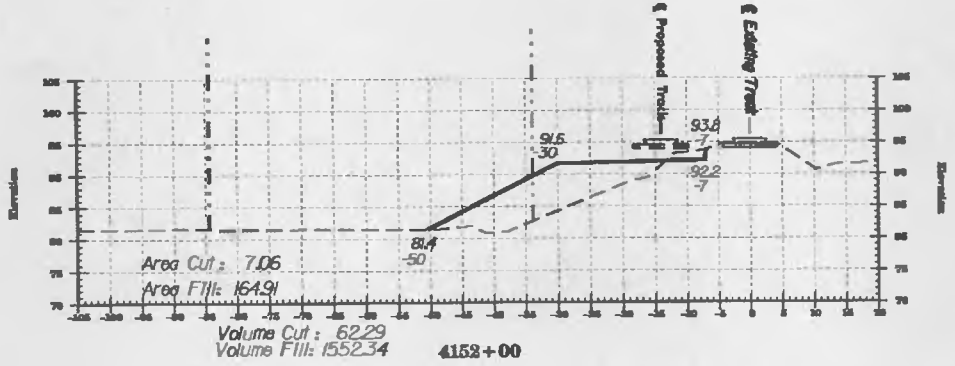
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

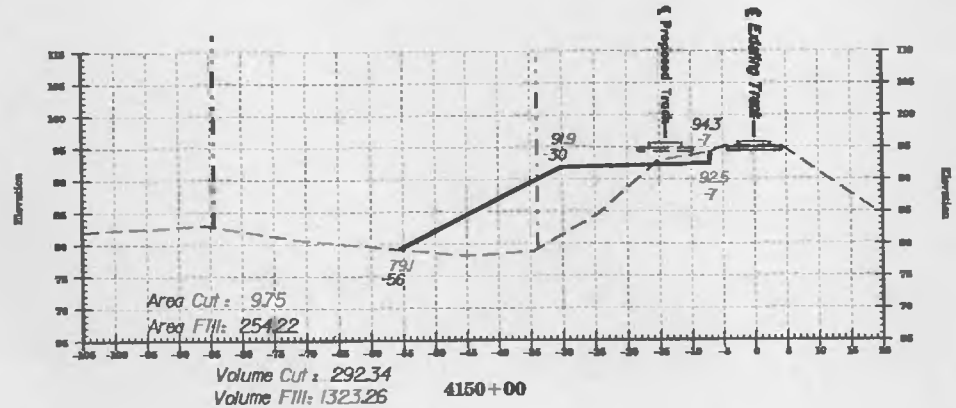
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-81.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF Engineering

DES. RCZ	FILE No. 107 I 6216	DATE	03/21/2000
DR. RCZ	SHEET 54 OF	ENG. NO.	TB-1999-86





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

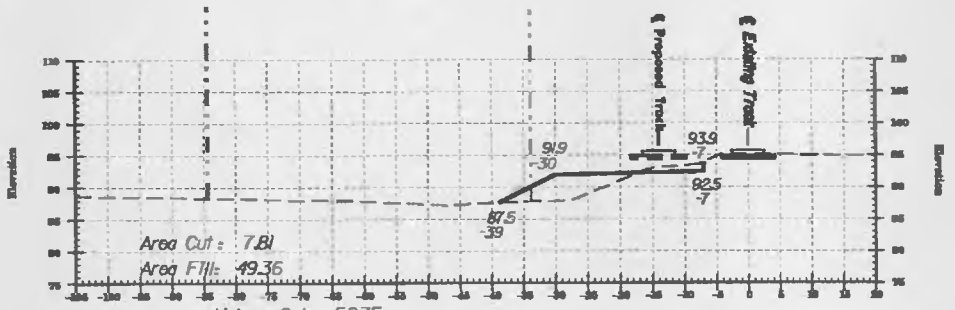
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

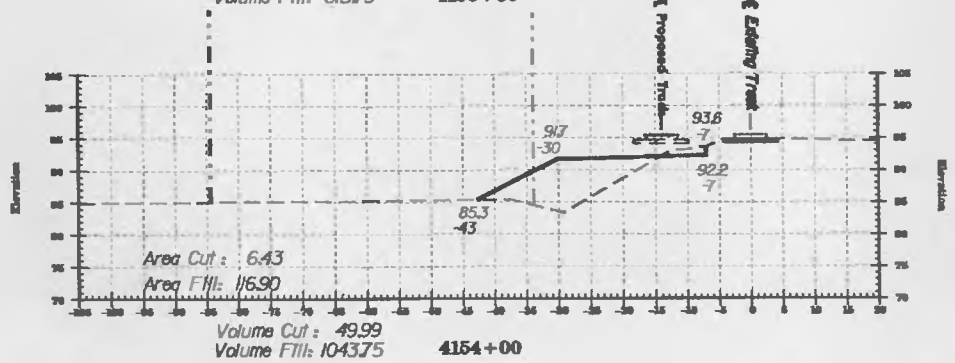
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE	03/21/2000
DR. RCZ	SHEET 55 OF	DWG. NO.	TB-1999-86





LEGEND

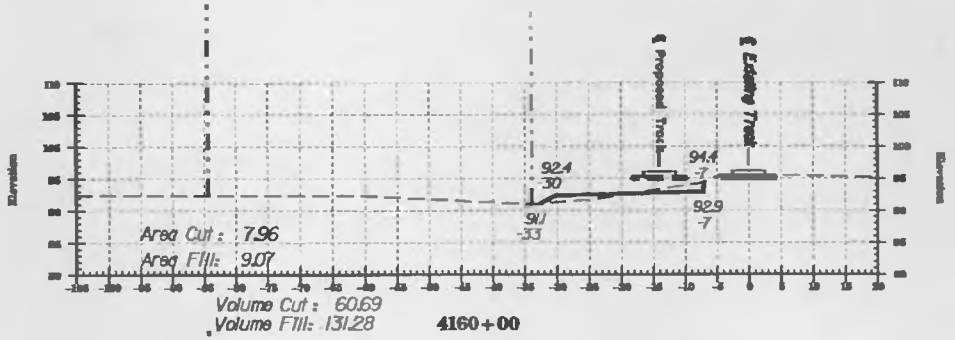
Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

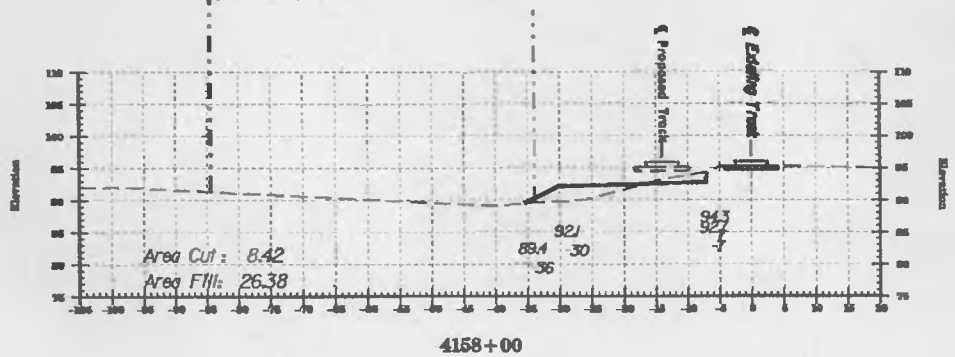
SCALES —
HORIZ: 1" = 20'
VERT: 1" = 20'

REV	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-81.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION			OFFICE OF CHIEF ENGINEER
LAYOUT RCZ	FILE No. 107 I 6216	DATE 03/21/2000	
DESIGN RCZ	SHEET 56 OF N/A	DWG No. TB-1999-86	





Volume Cut : 60.13
Volume Fill: 280.51

LEGEND

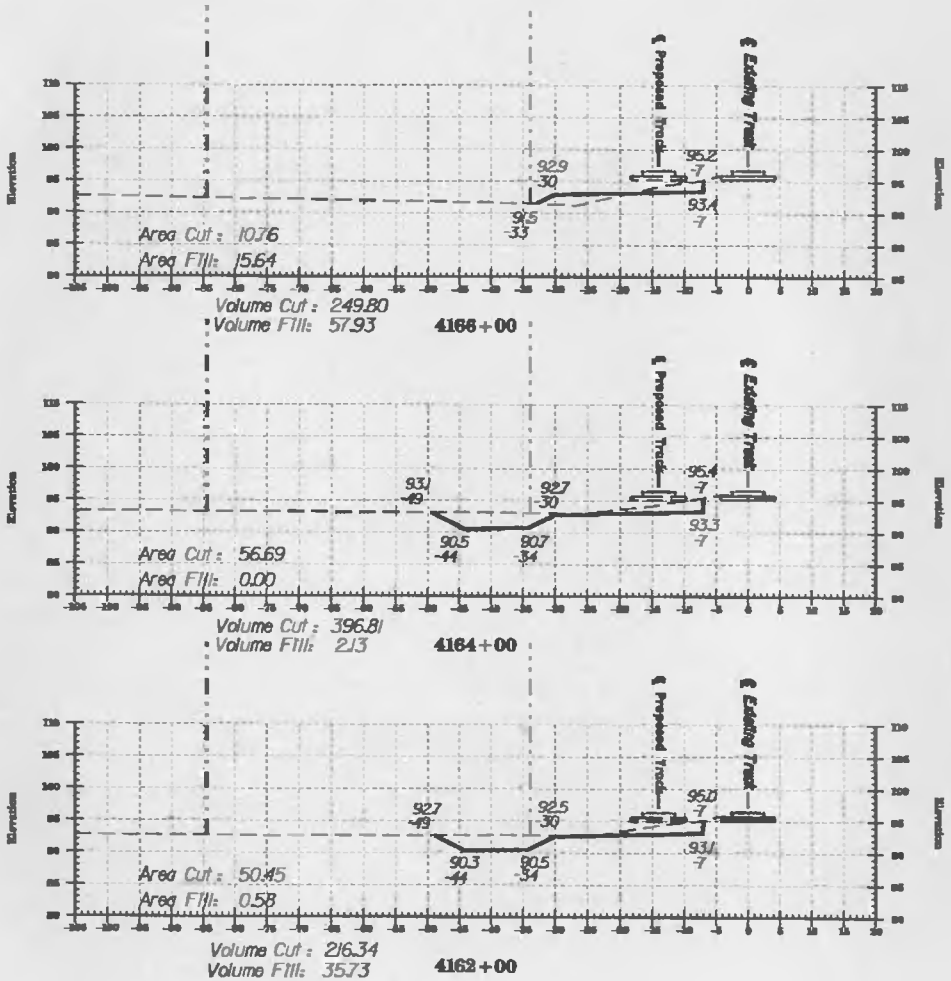
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-86.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 57 OF	DRG No. TB-1999-86



LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

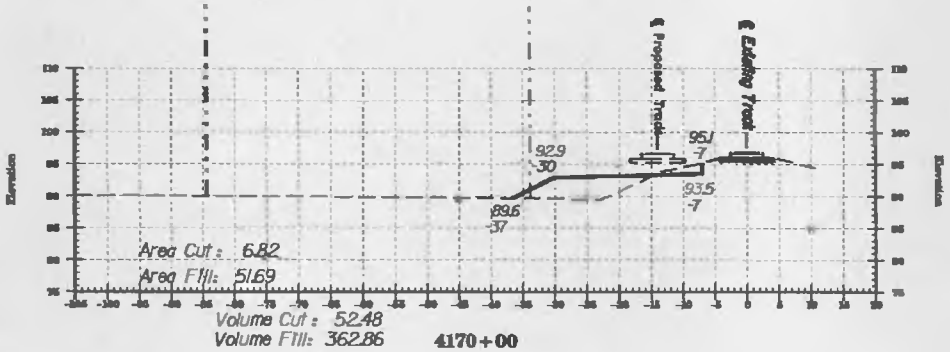
20
10
0
-10 0 10 20

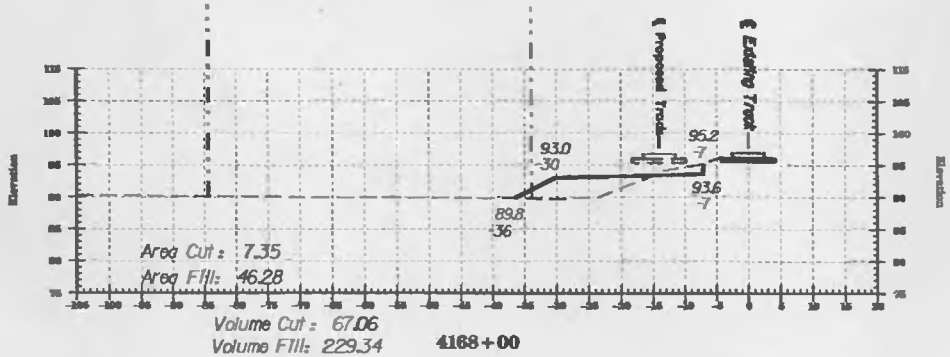
NEW	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	PROJ. No. 107 I 6216	DATE 03/21/2000
DR. RCZ	SHEET 58 OF	DWG No. TB-1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

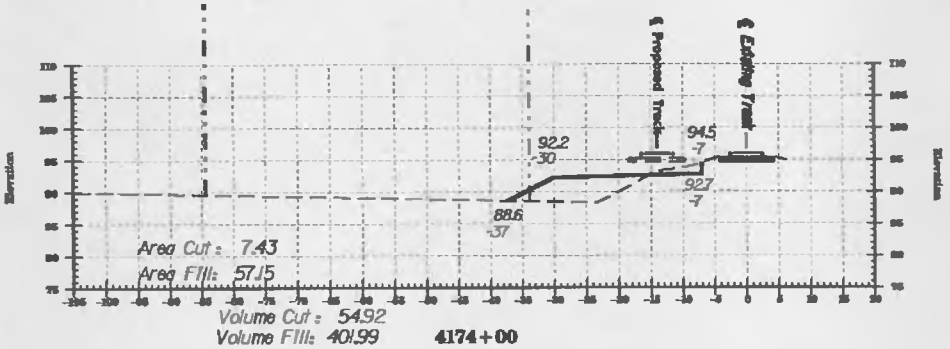
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

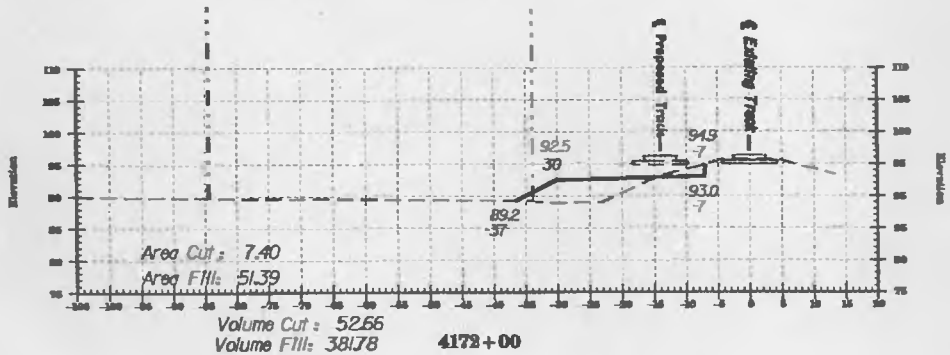
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-80.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE	03/21/2000
DR. RCZ	SHEET 59 OF	DWG No.	TB-1999-86





LEGEND

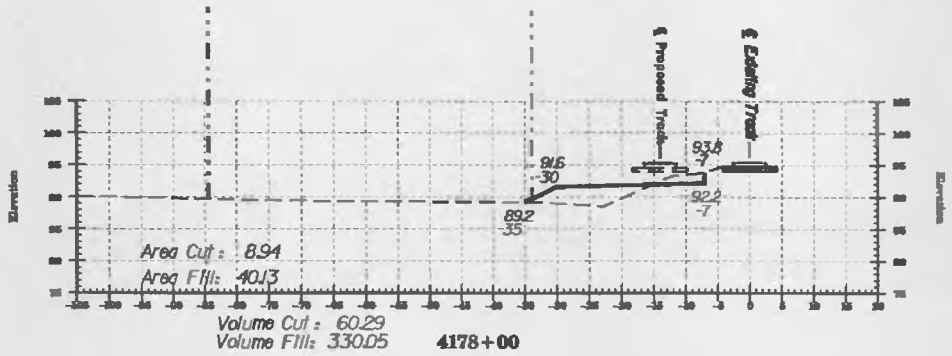
SCALES –
HORZ: 1" = 20'
VERT: 1" = 20'

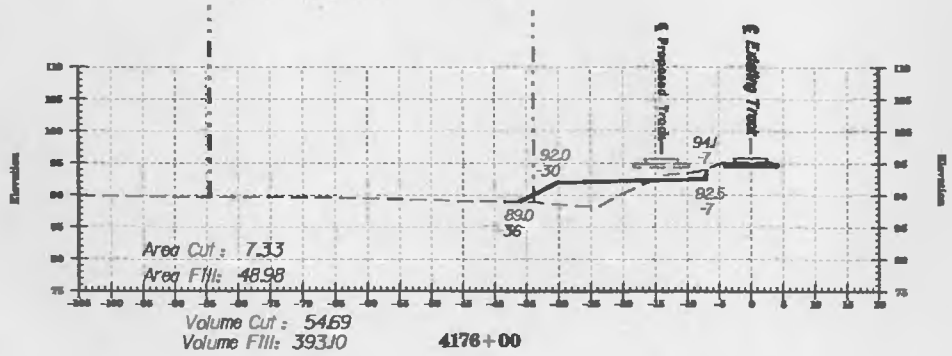
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 60 OF	DWG. No. TB-1999-86





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

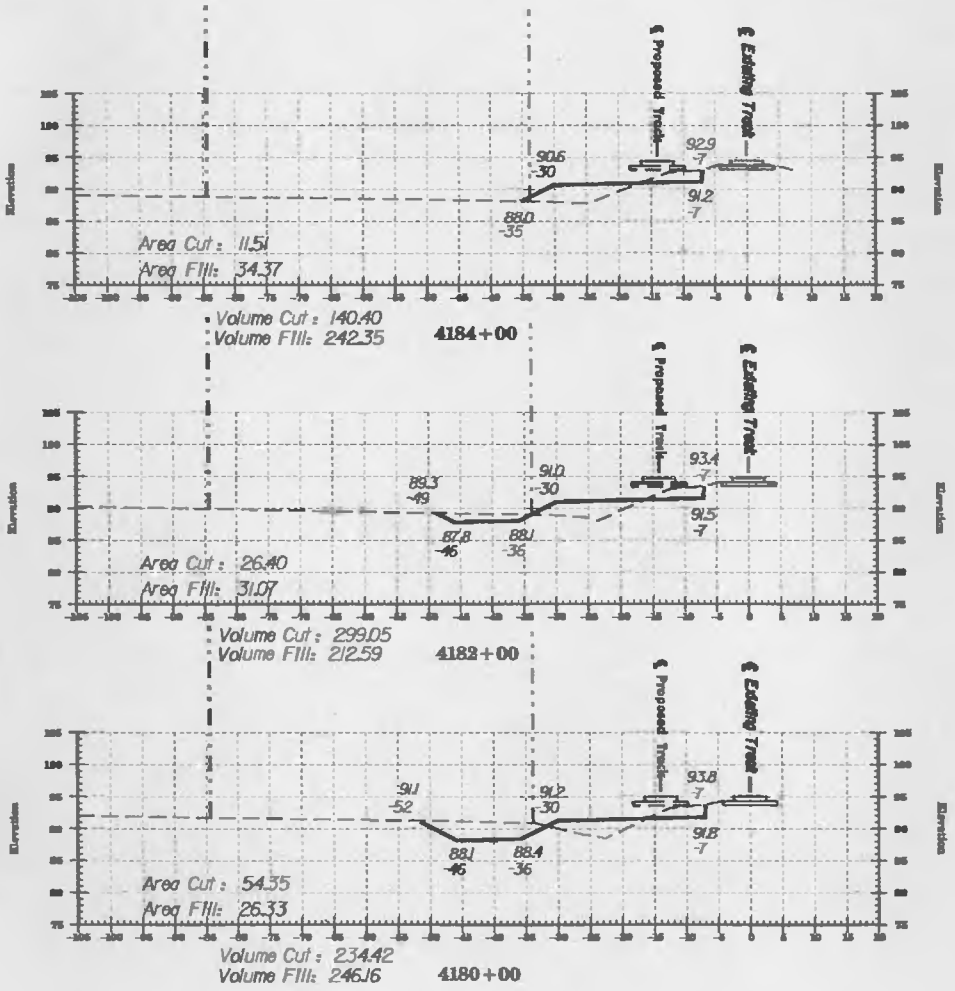
20 10 0 10 20

REV	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-98.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	F.M.E. No. 107-1-6216	DATE 03/21/2000	
DR. RCZ	SHEET 61	DWG. No. TB 1999-86	



LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

SCALES –
HORZ: 1" = 20'
VERT: 1" = 20'

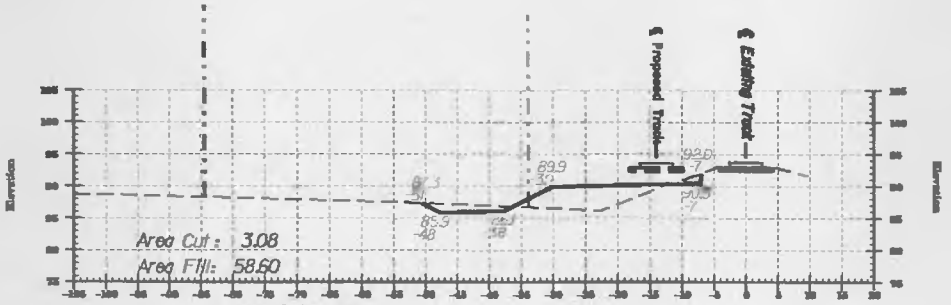
20 10 0 10 20

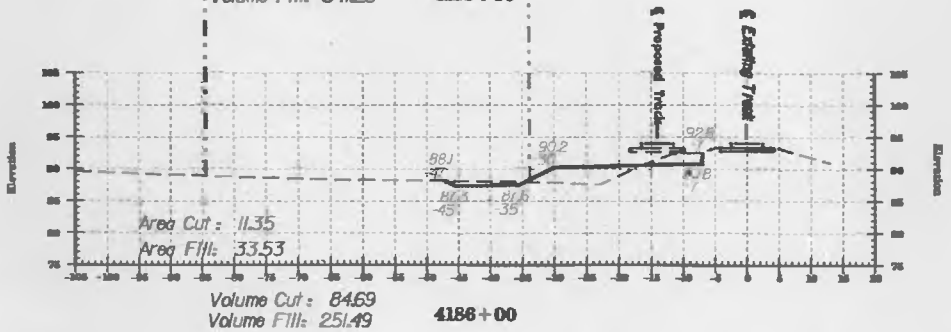
REV	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE	03/21/2000
DR. RCZ	SHEET 62	DWG. NO.	TB-1999-86





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

SCALES -
HORIZ: 1" = 20'
VERT: 1" = 20'

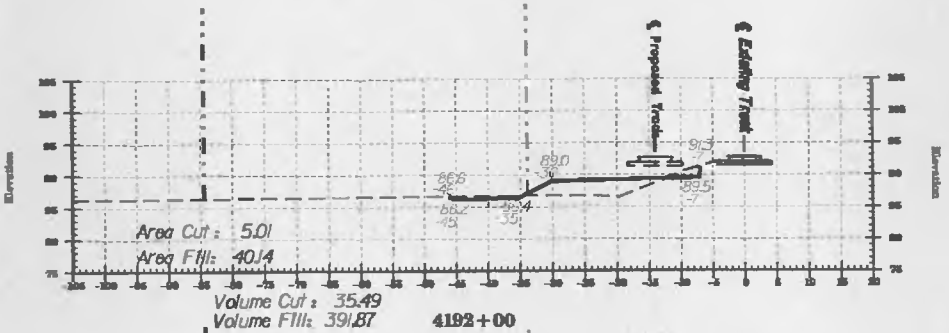
20 10 0 10 20

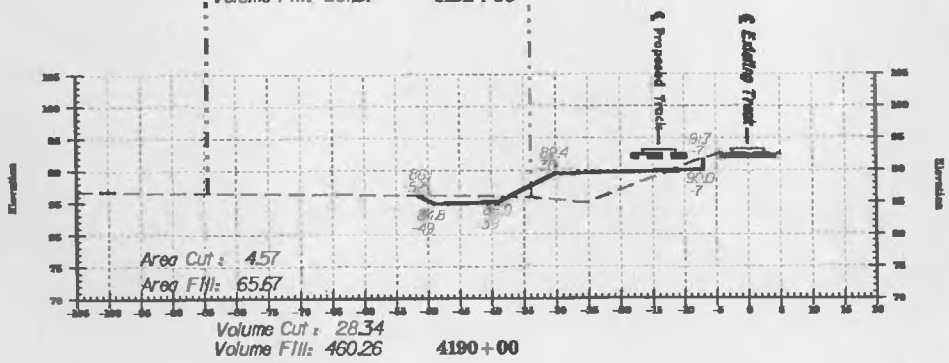
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE	03/21/2000
DR. RCZ	SHEET 63 OF	DWG No.	TB-1999-86





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

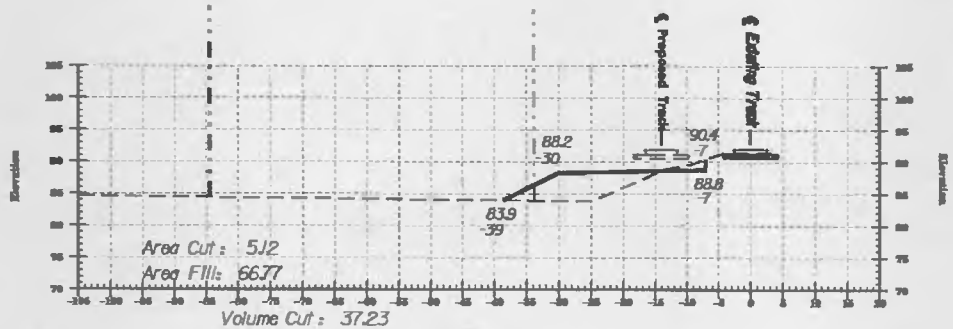
SCALES –
HORIZ. 1" = 20'
VERT: 1" = 20'

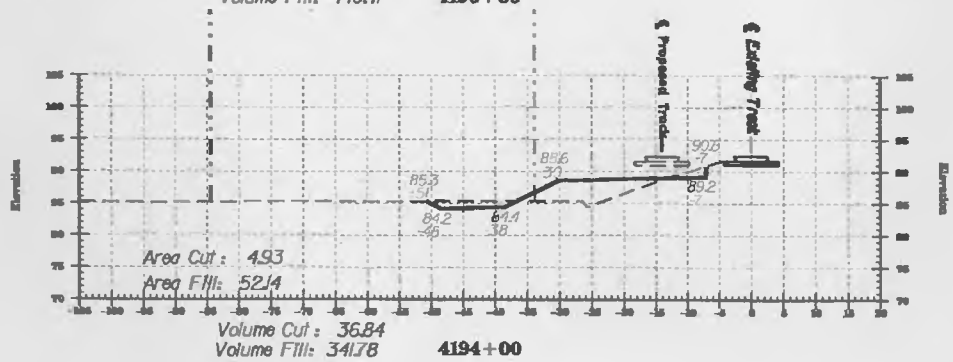
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

B.S. RCZ	FILE NO. 107-1-6216	DATE	03/21/2000
DR. RCZ	SHEET 64 OF	DWG NO.	TB-1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

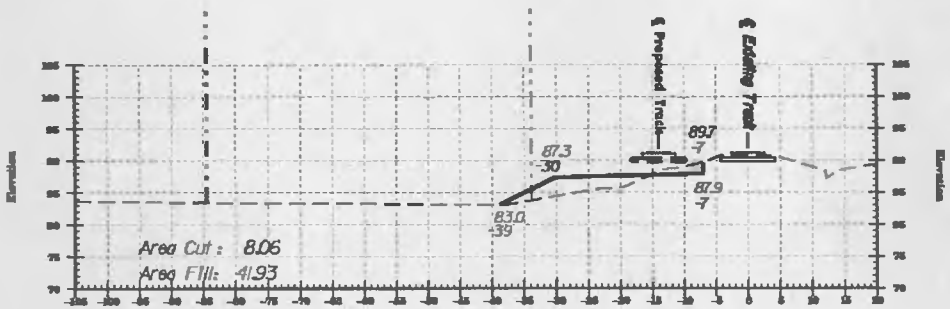
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

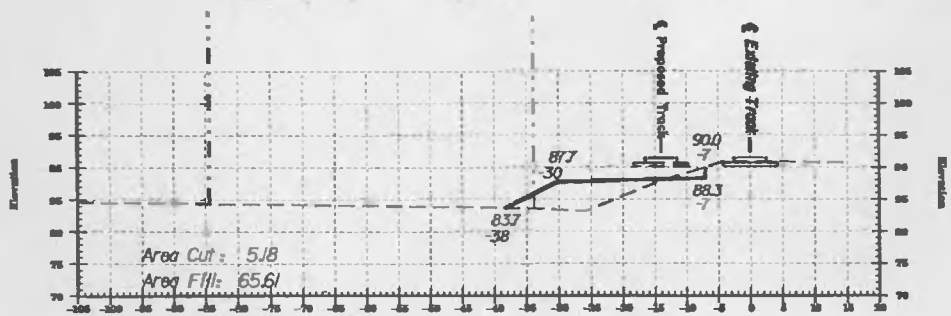
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

M.S. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 65 OF	DWG. NO. TB-1999-86



4200+00



4198+00

LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

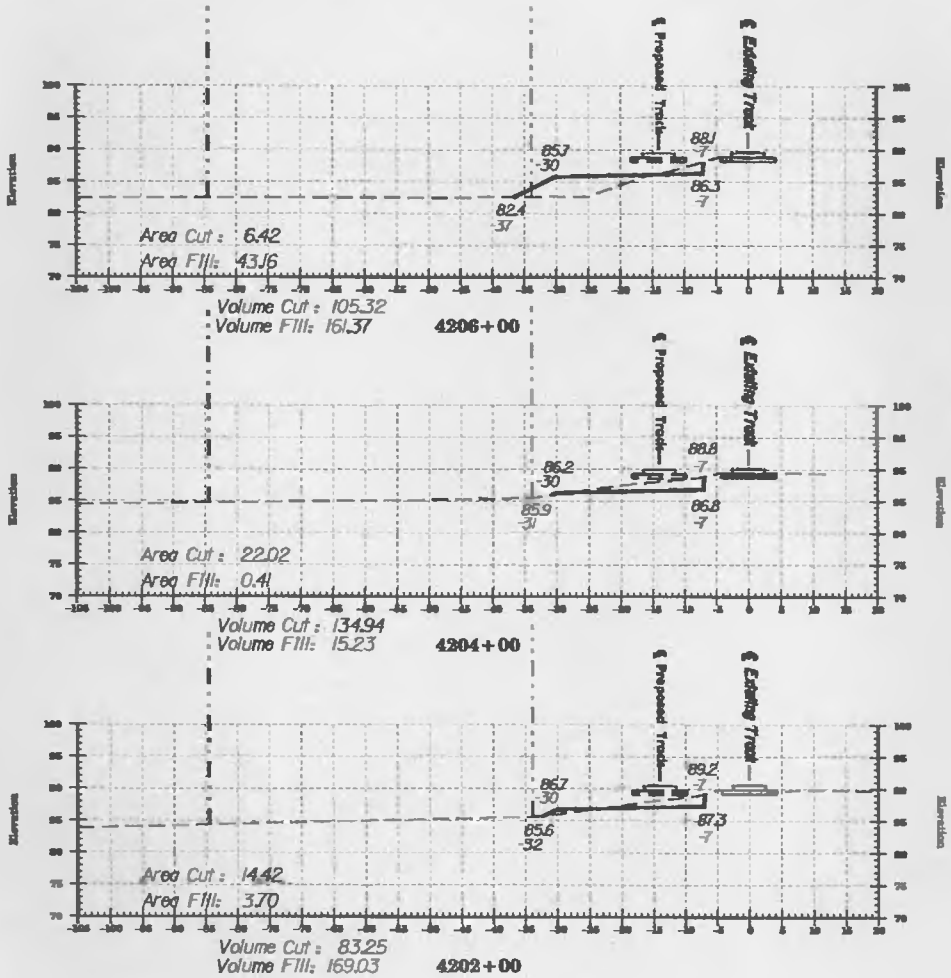
SCALES –
HORIZ. 1" = 20'
VERT. 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000	
DR. RCZ	SHEET 66 OF	DWG. No. TB-1999-86	



LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

SCALES
HORZ: 1" = 20'
VERT: 1" = 20'

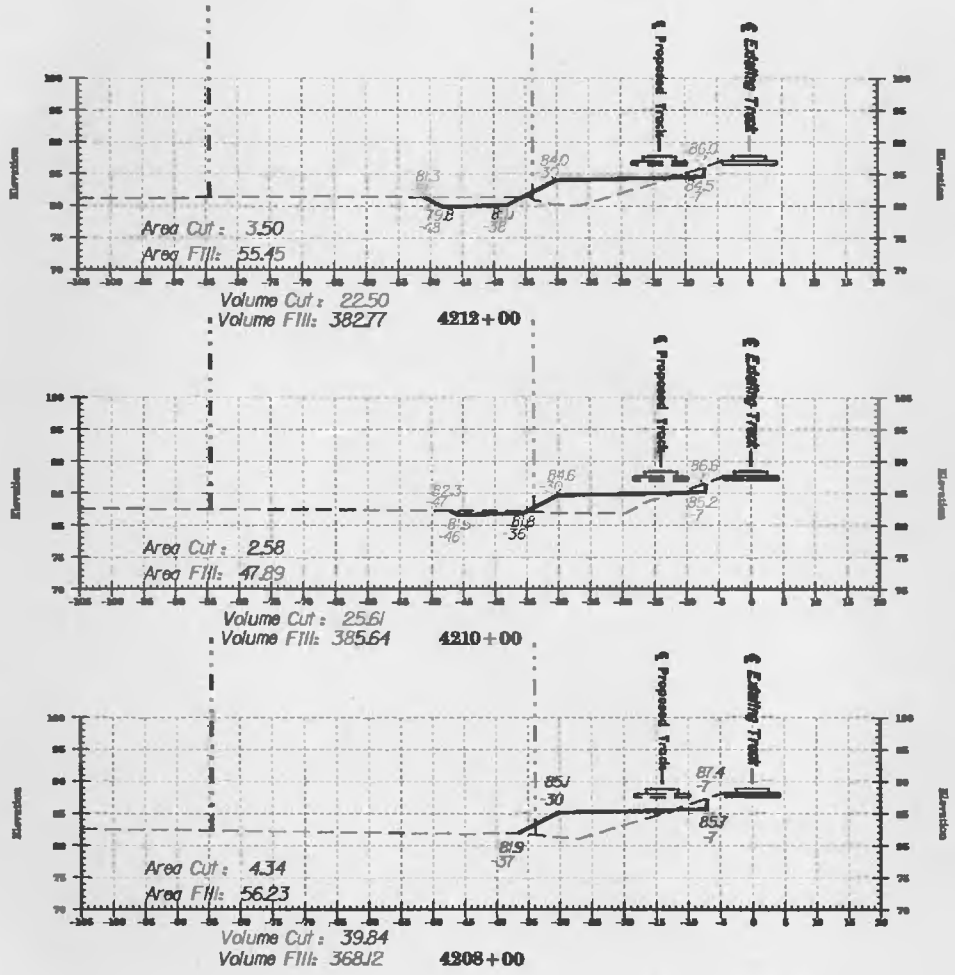
20 10 0 10 20

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	I.T.I. NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 67 OF	ENG. NO. TB-1999-86



LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

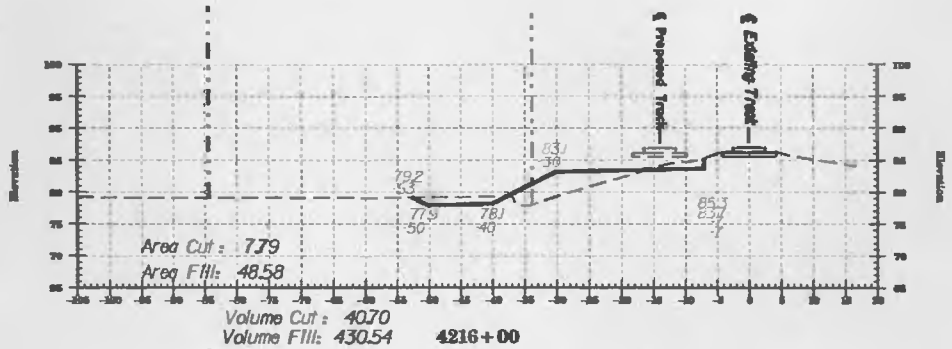
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

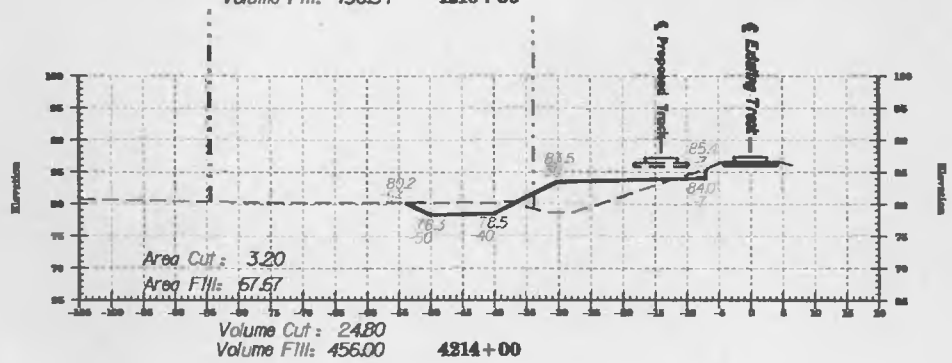
NO.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107 I 6216	DATE 03/21/2000
DR. RCZ	SHT. 68 OF	DWG. NO. TB-1999-86





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

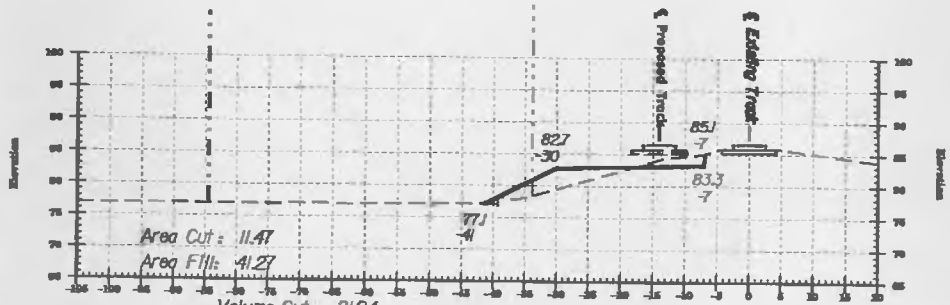
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

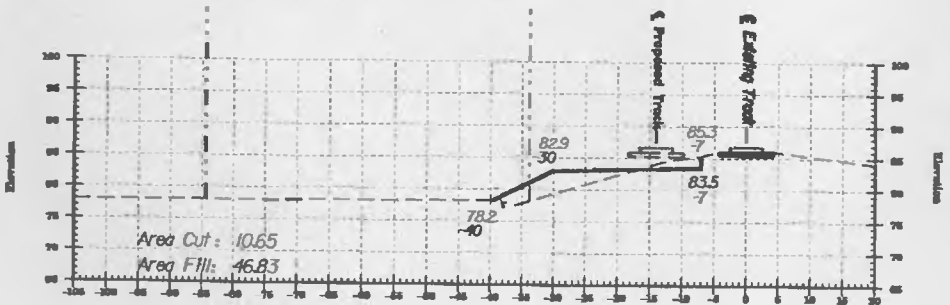
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 69 OF	DWG NO. TB-1999-86





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

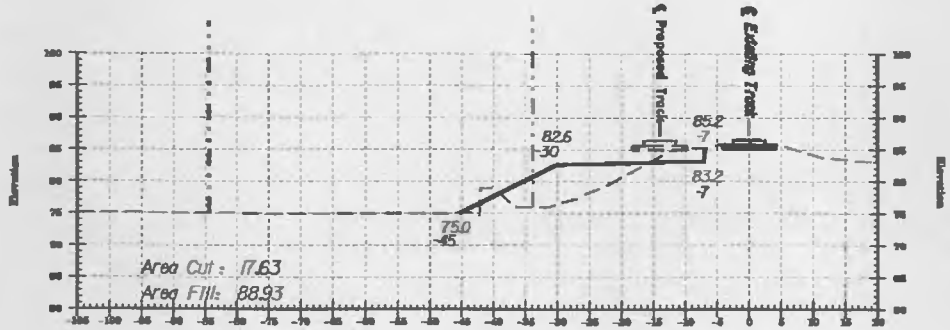
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

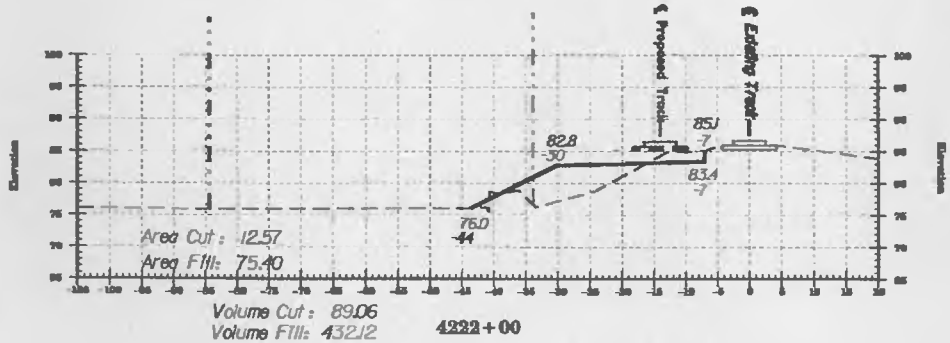
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES.: RCZ	FILE No.: 107-1-6216	DATE: 03/21/2000





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

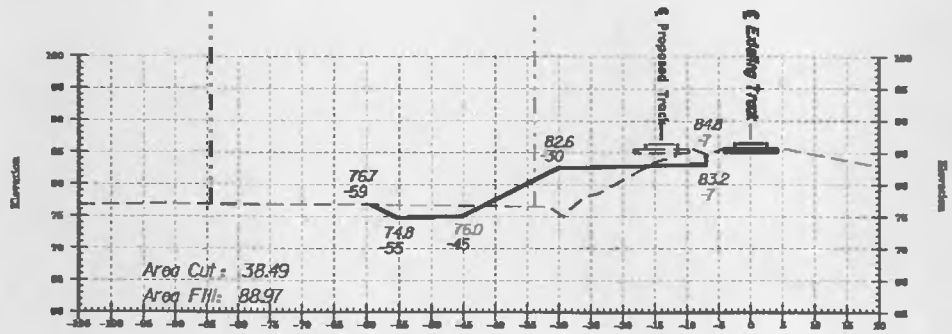
SCALES –
HORIZ: 1" = 20'
VERT. 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

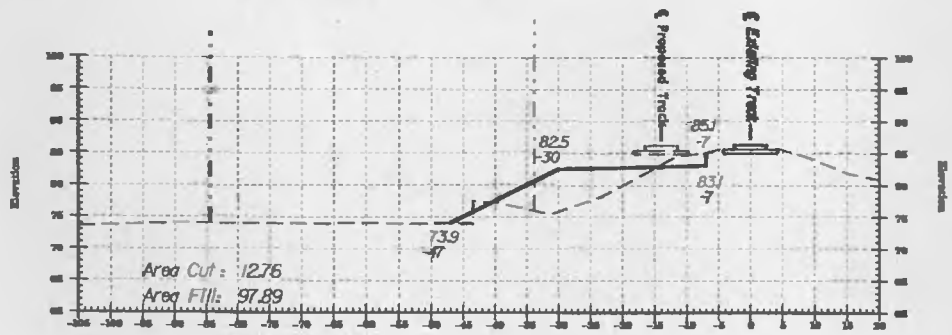
NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000	
DR. RCZ	SHEET 71 OF	W.O. NO. TB-1999-86	



Volume Cut: 189.83
Volume Fill: 692.05

4228+00



Volume Cut: 112.56
Volume Fill: 691.90

4226+00

LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

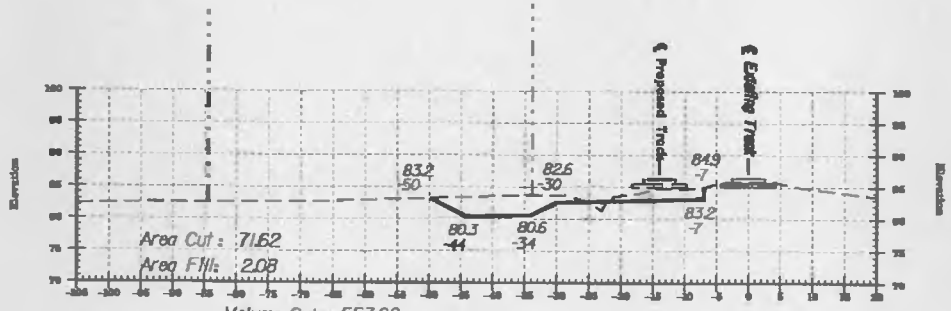
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

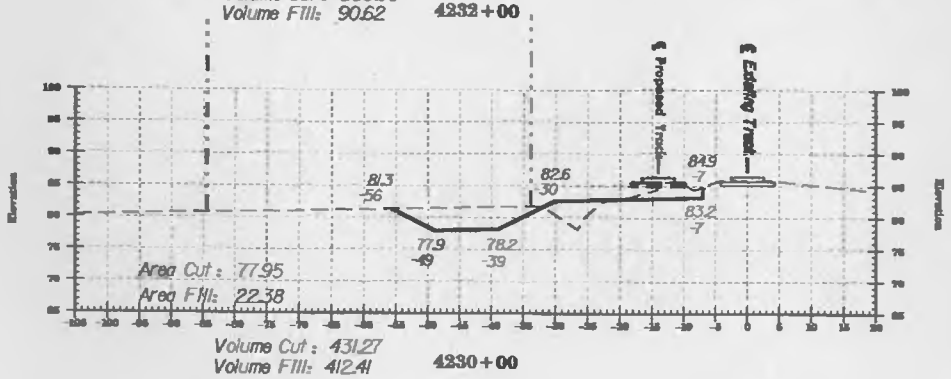
REV	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES RCZ	FILE No. 107 1 6216	DATE 03/21/2000	
TR RCZ	SHEET 72 OF	DWG No. TB-1999-86	





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

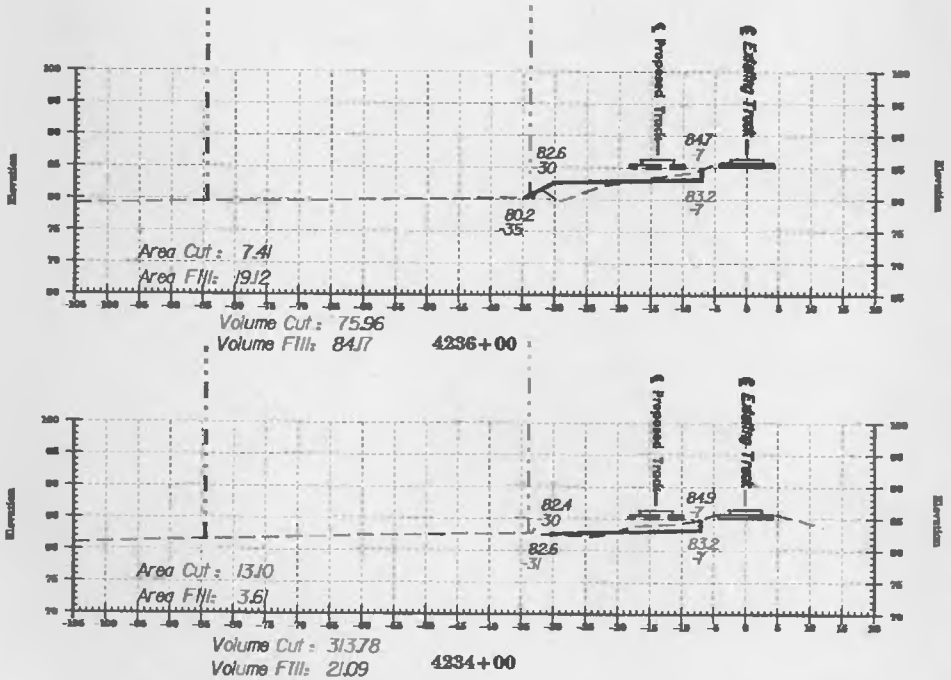
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 73 OF	DWG No. TB-1999 86



LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

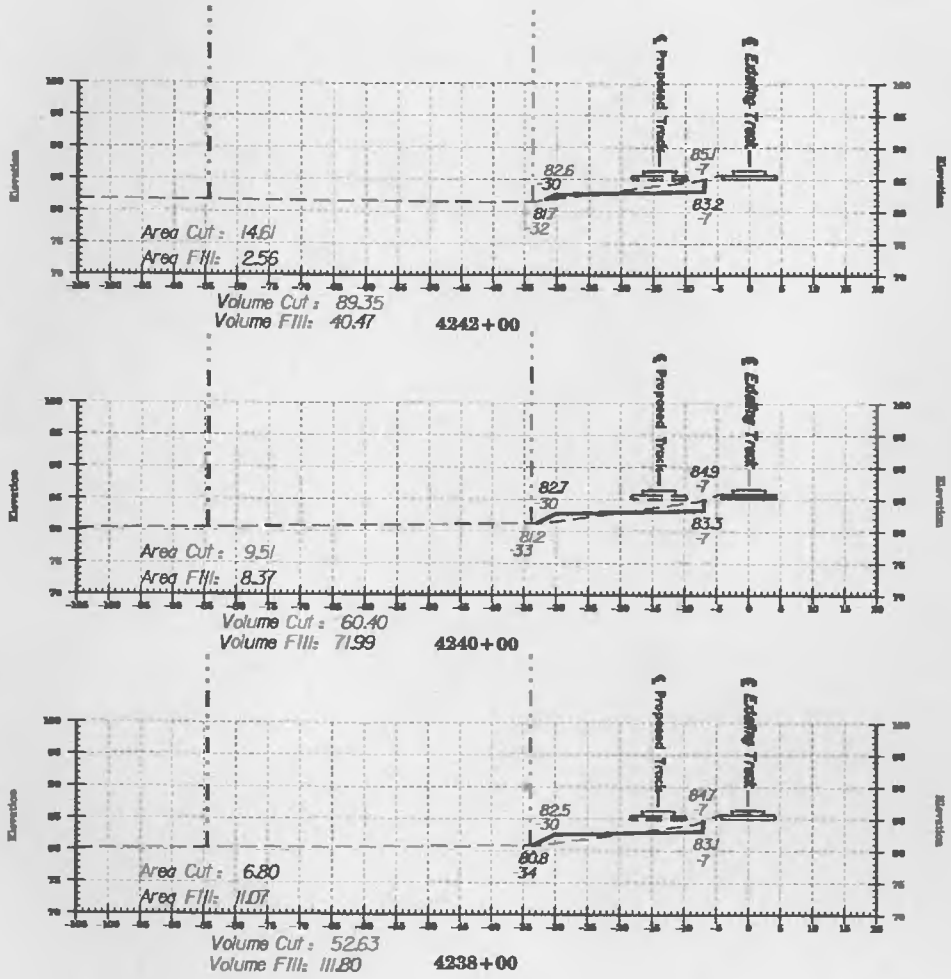
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000	
DR. RCZ	SHEET 74 OF	DWG No. TB-1999-86	



LEGEND

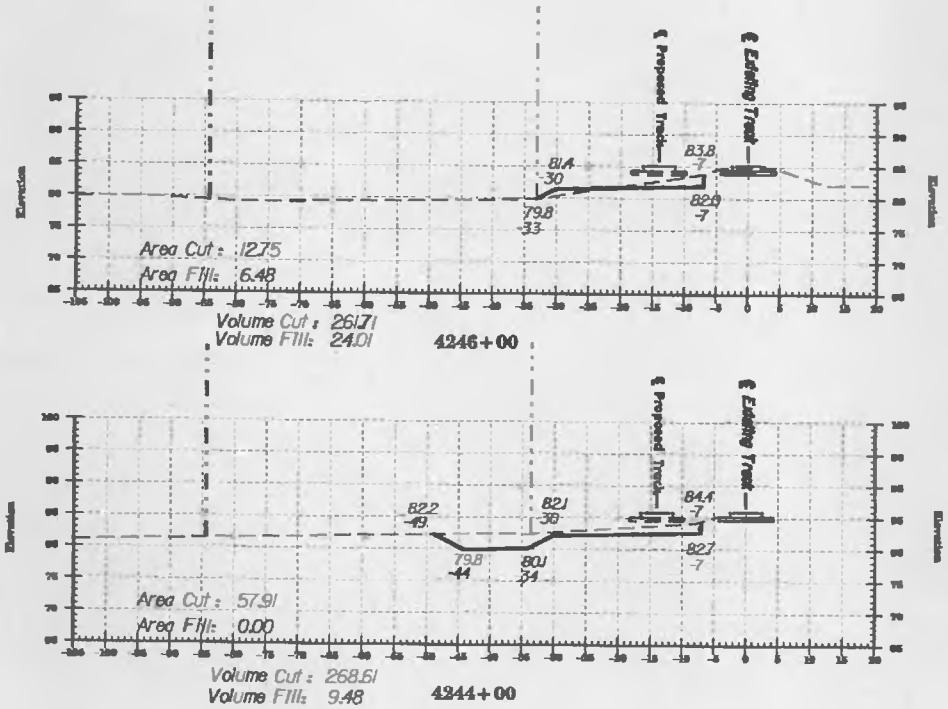
Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

SCALES –
HORIZ: 1" = 20'
VERT 1" = 20'

NO.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-82.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION			OFFICE OF CHIEF ENGINEER
DES. RCZ	SCALE: 1" = 20'	NO. 107 I 6216	DATE 03/21/2000
DR. RCZ	CK. 75		NO. TB-1999-86



LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

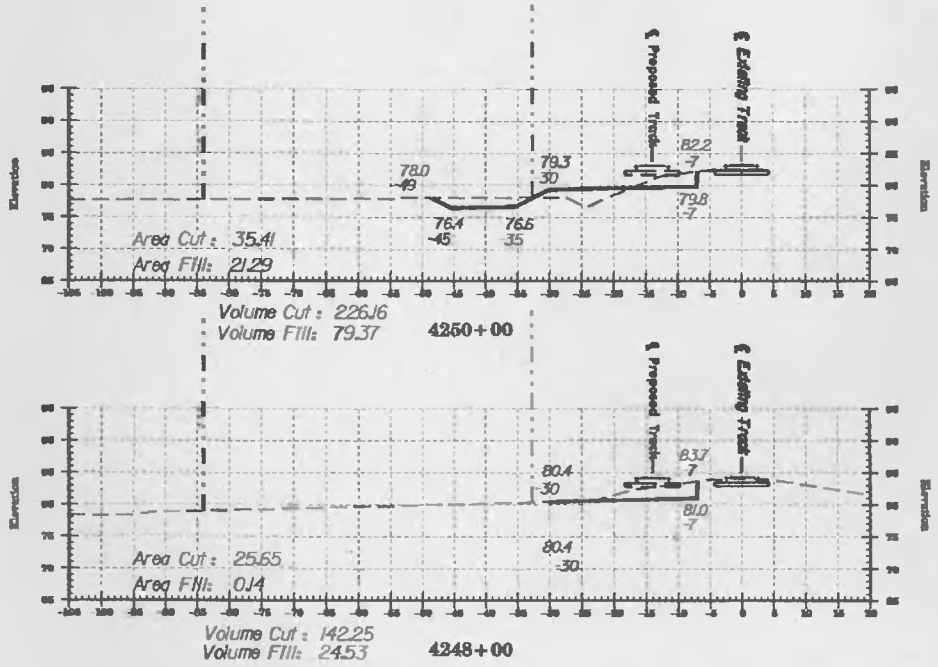
20
10
0
-10
0
10
20

NO.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	I.M.E. No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 76 OF	NW No. TB-1999 86



LEGEND

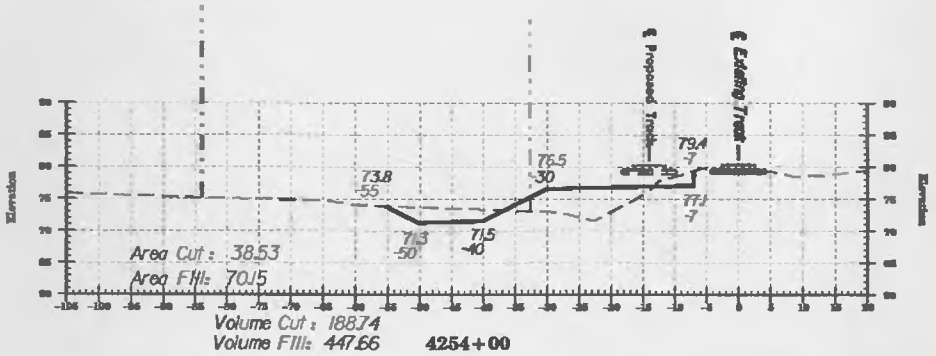
Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

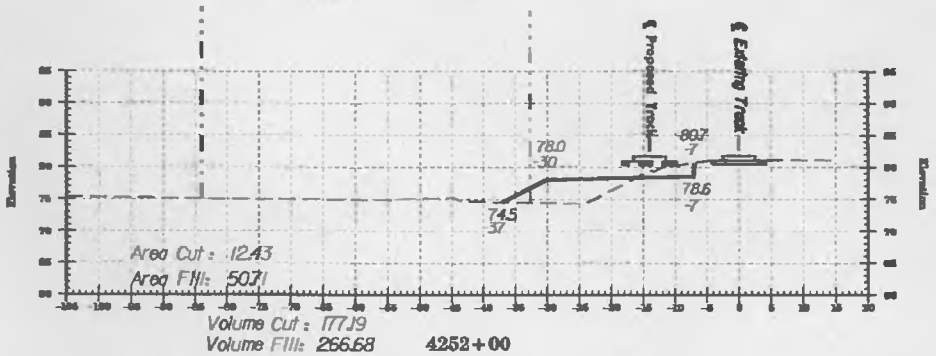
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES RCZ	FILE No. 107 I 6216	DATE 03/21/2000	
CHK RCZ	SHEET 77	DWG No. TB-1999-86	





LEGEND

- Existing Section
- Proposed Section
- Existing Property Line
- Proposed Property Line

SCALES –

HORIZ. 1" = 20'

VERT. 1" = 20'

20 10 0

-10 0 10 20

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO

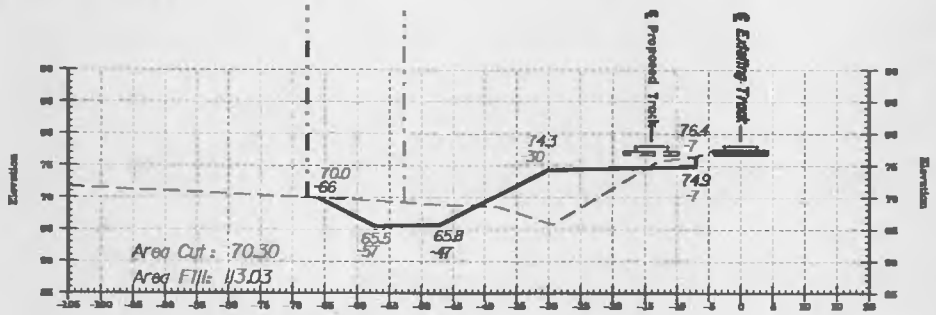
SANDUSKY DISTRICT DOUBLE TRACKING

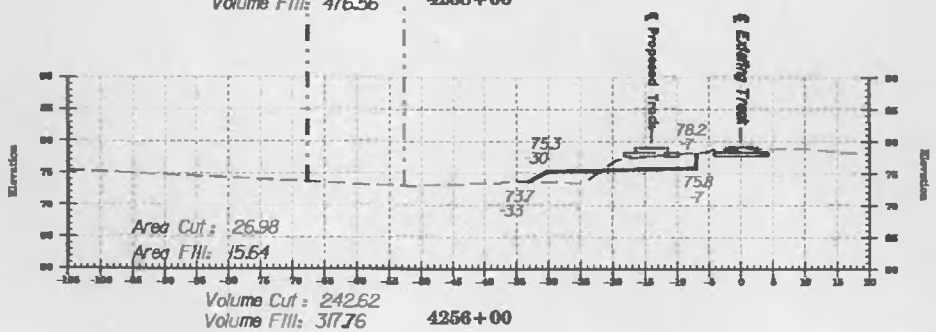
MILEPOST S-77.9 TO S-88.4

CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	DWG. NO. 10T-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 78 OF	W.O. NO. TB-1999-86





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

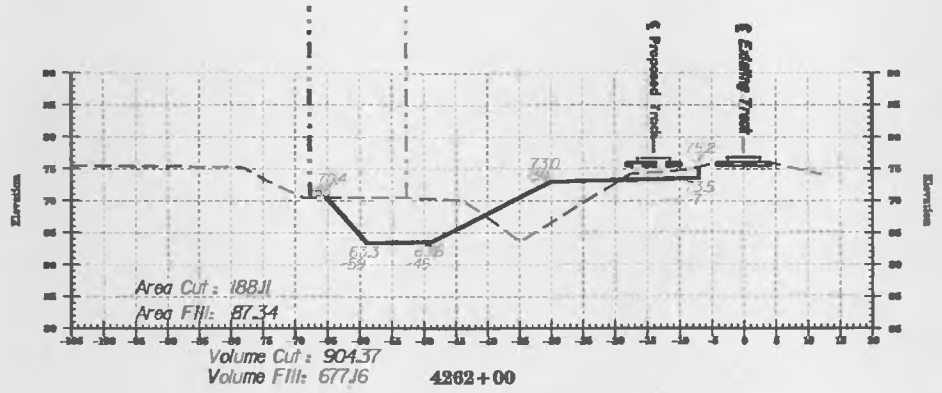
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

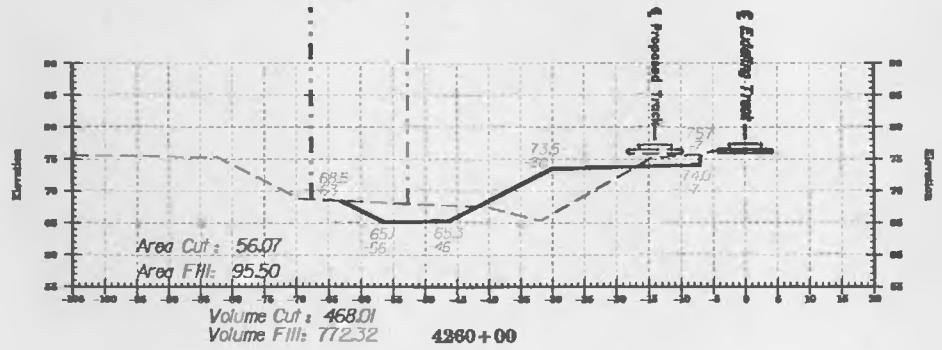
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE	03/21/2000
DR. RCZ	SHEET 79 OF	DWG. NO.	TB-1999-86





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

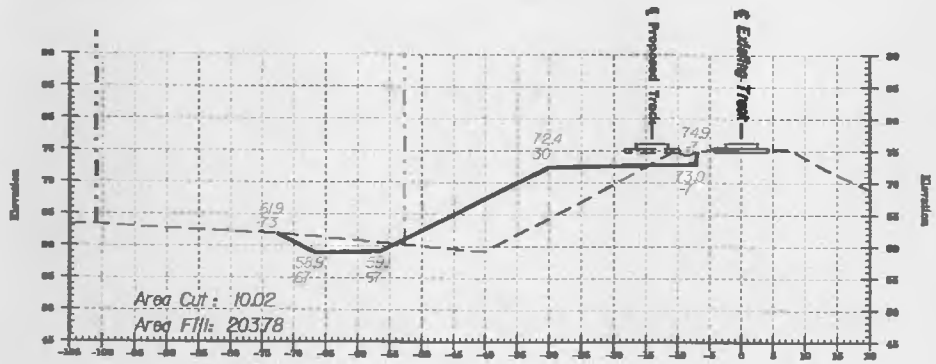
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV	DATE	BY	REVISION DESCRIPTION

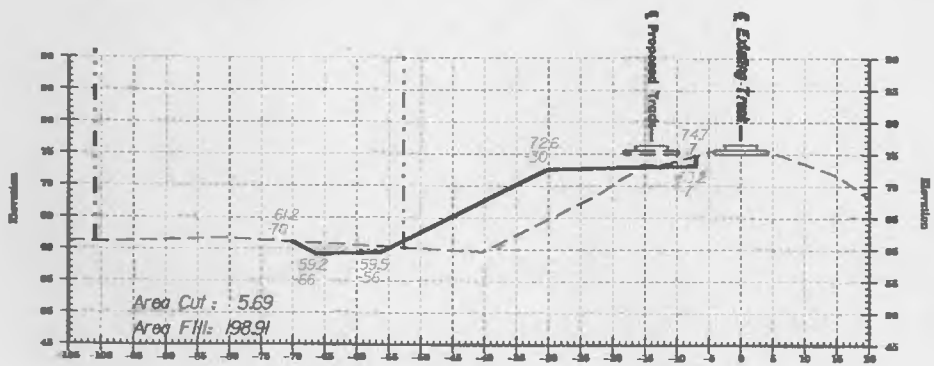
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 80 OF	NO. TB-1999-86



Volume Cut : 58.16
Volume Fill: 1491.46 **4266+00**



Volume Cut : 717.77
Volume Fill: 1060.18 **4264+00**

LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

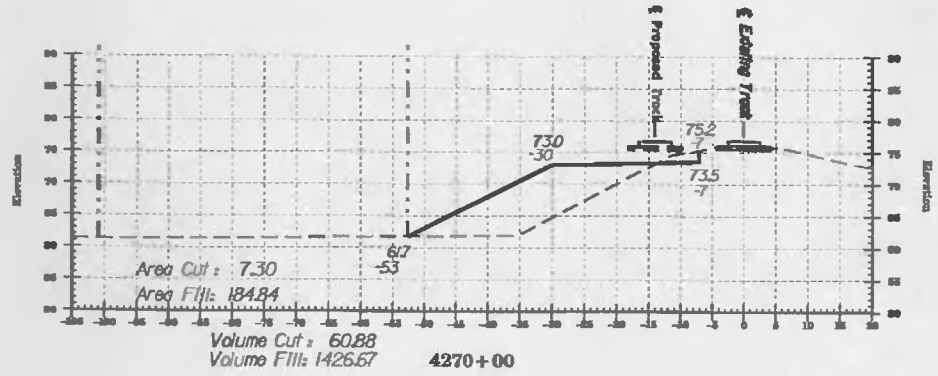
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

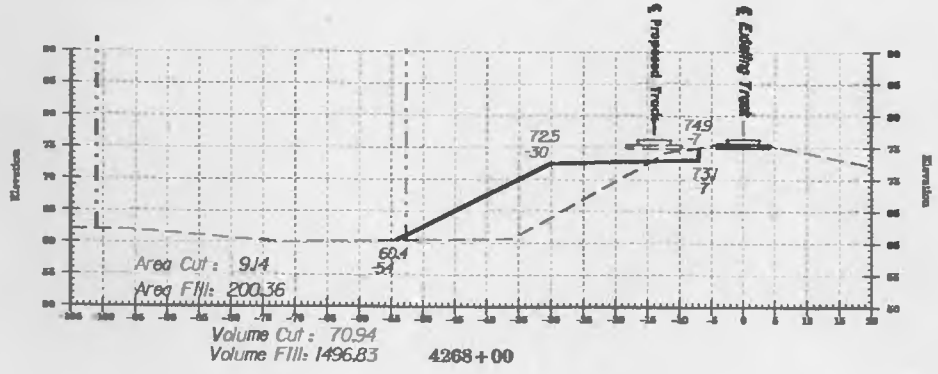
REV	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

MFS RCZ	FILE No. 107-1-6216	DATE 03/21/2000	
DR. RCZ	SHEET 01 OF	DWG No. TB-1999-86	





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

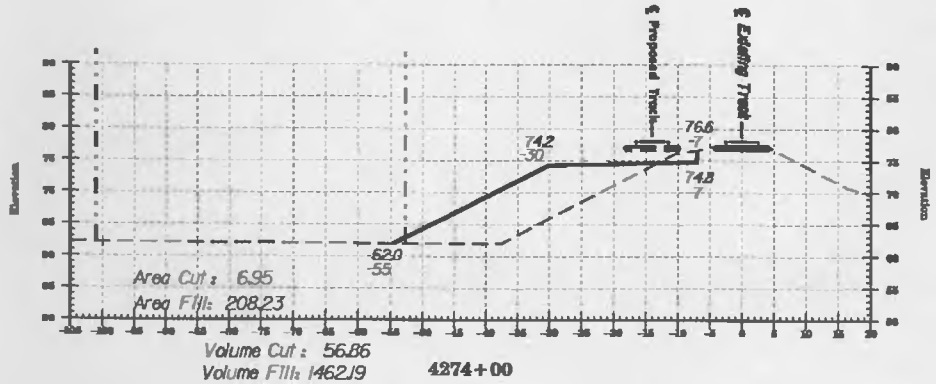
20
10
0
-10 0 10 20

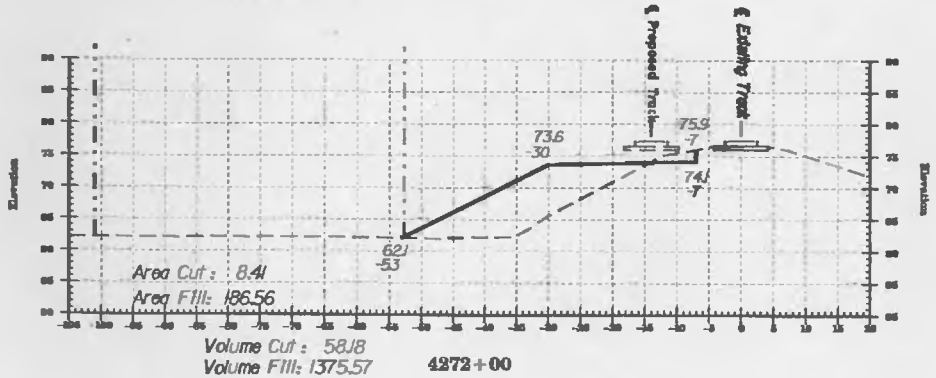
NO.	DATE	BY	REVISIONS

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 02 OF	TRACK CAT. TB-1999-86





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

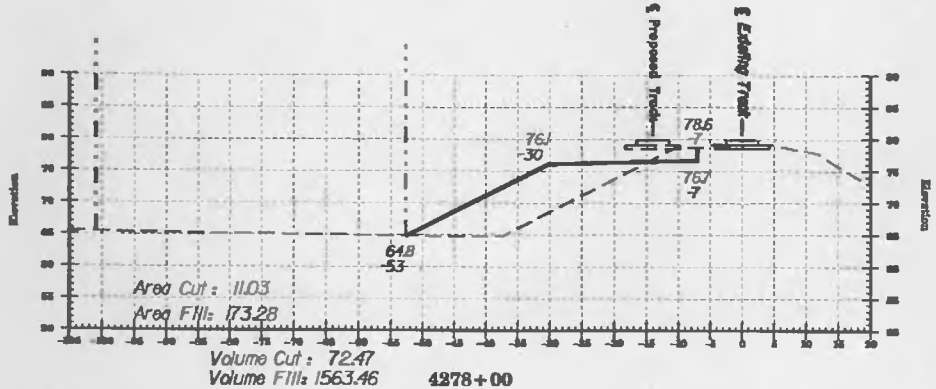
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

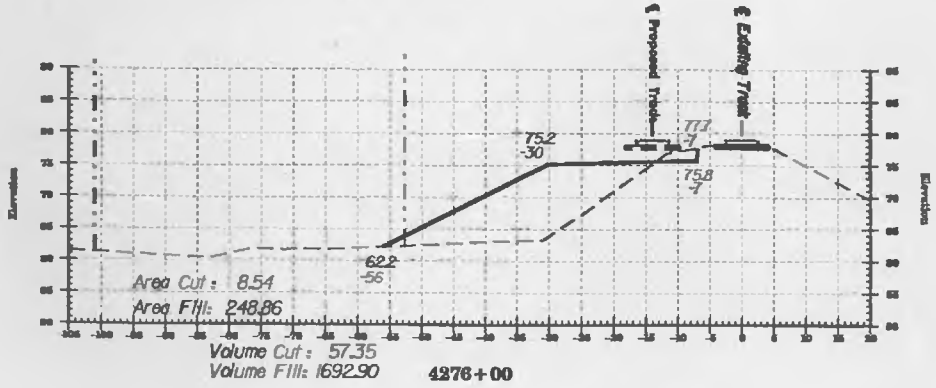
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-98.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES.: RCZ	FILE NO.: 107-1-6216	DATE: 03/21/2000
DR.: RCZ	SHEET: 03 OF	DWG. NO.: TB-1999-86





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

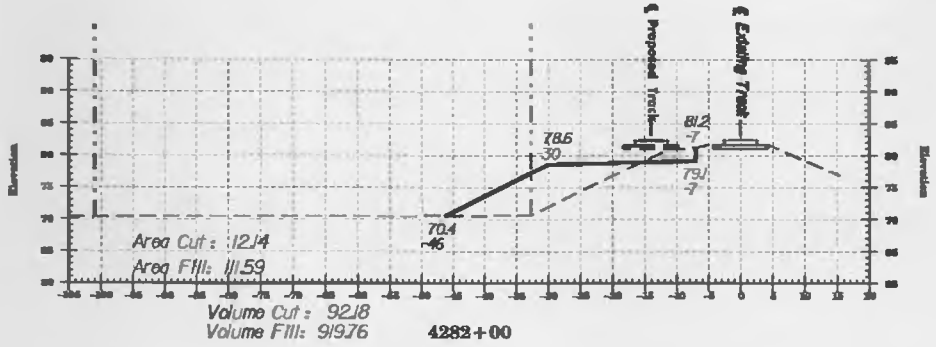
SCALES –
HORIZ. 1" = 20'
VERT. 1" = 20'

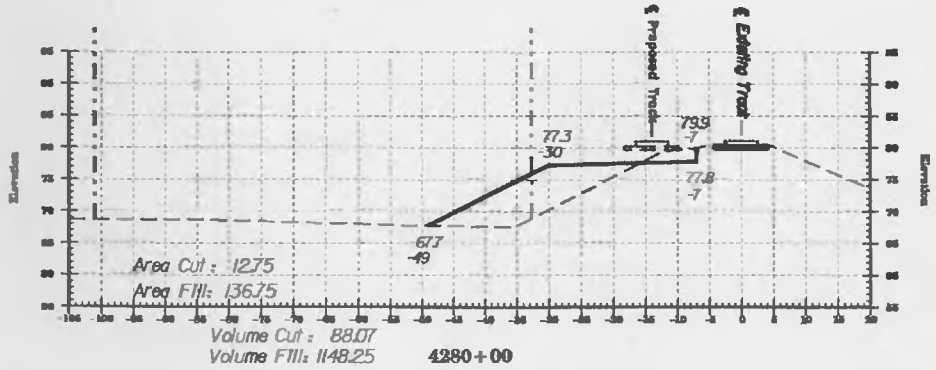
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-80.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107 1 6216	DATE 03/21/2000
DR. RCZ	SHEET 84	Dwg. No. TB-1999-86





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

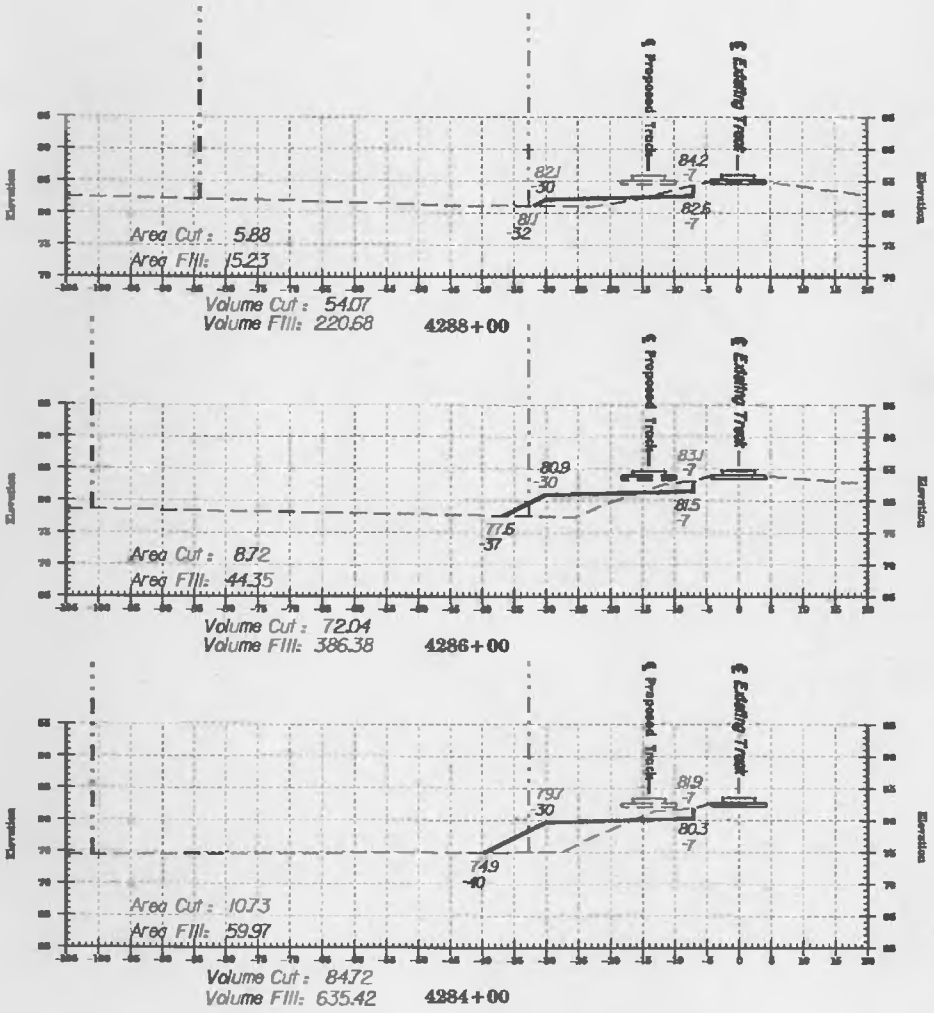
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

NO.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107 I 6216	DATE 03/21/2000
DR. RCZ	SHEET 85	DWG. No. TB-1999-86



LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

SCALES —
HORIZ. 1" = 20'
VERT. 1" = 20'

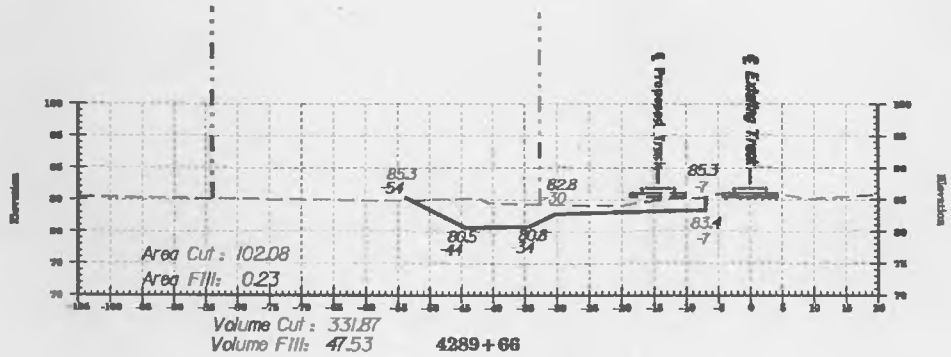
20
10
0
-10 0 10 20

NO.	DATE	BY	NOTES OR DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-99.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	PROJ. NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 86	DWG. NO. TB-1999-86



LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

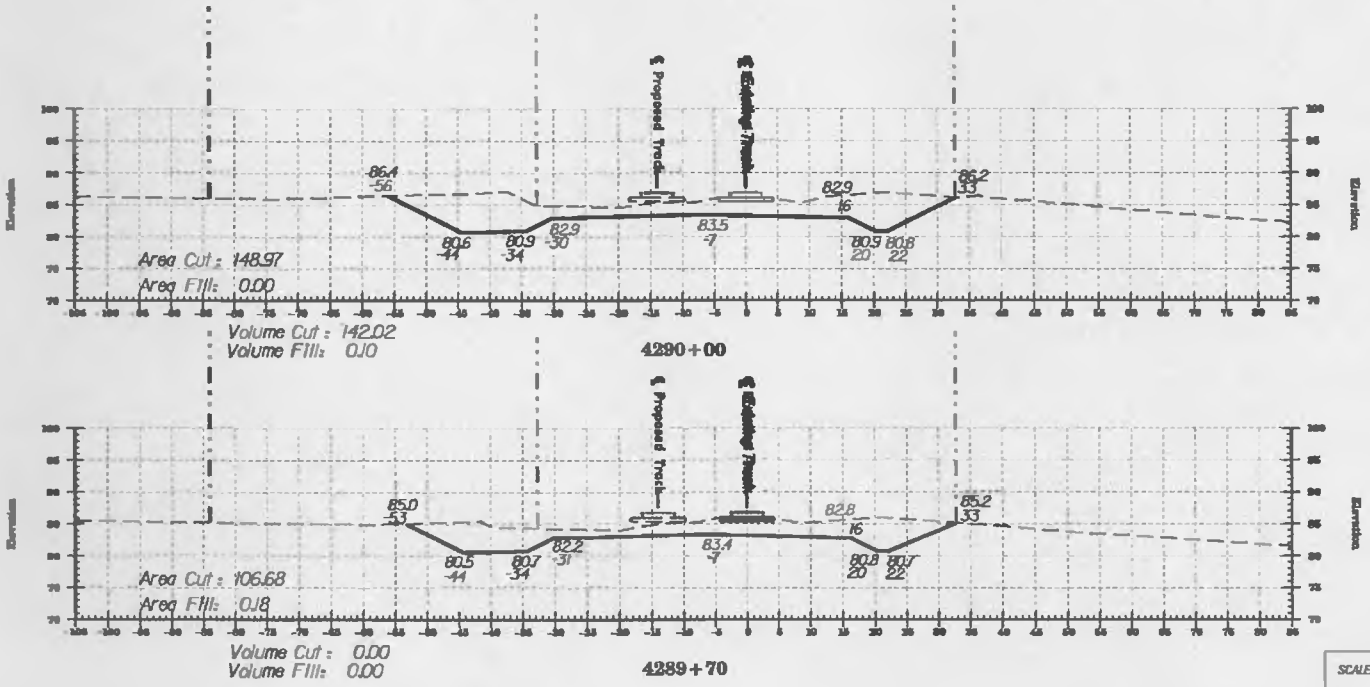
20
10
0
-10
0
10
20

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-68.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DR.	RCZ	FILE NO.	107-1-6216	DATE	03/21/2000
TR.	RCZ	SHEET	87 OF	CAD No.	TB-1999-86



LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

SCALES

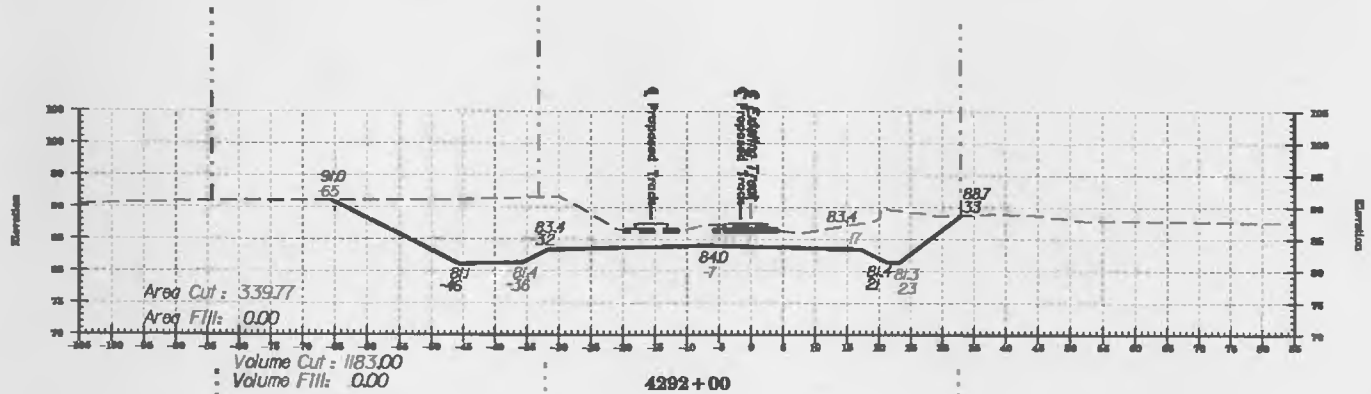
HORIZ. 1" = 20'
VERT: 1" = 20'

20
10
0
-10
0
10
20

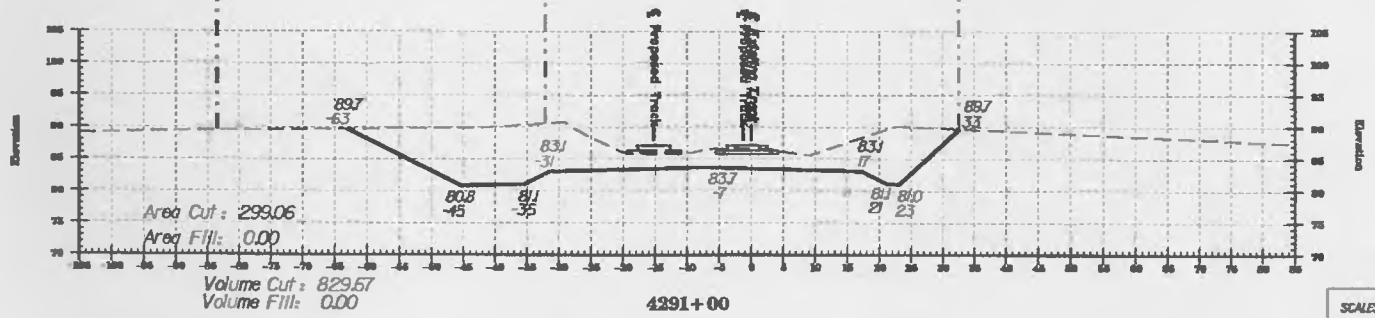
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION		OFFICE OF CHIEF ENGINEER
DES. RCZ	FILE No. 107 1 6216	DATE 03/21/2000
DR. RCZ	SHEET 08 OF	ENG. No. TB-1999-86



4292+00



4291+00

LEGEND

Existing Surface

Proposed Surface

Existing Property Line

Proposed Property Line

SCALES -

HORIZ: 1" = 20'

VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO

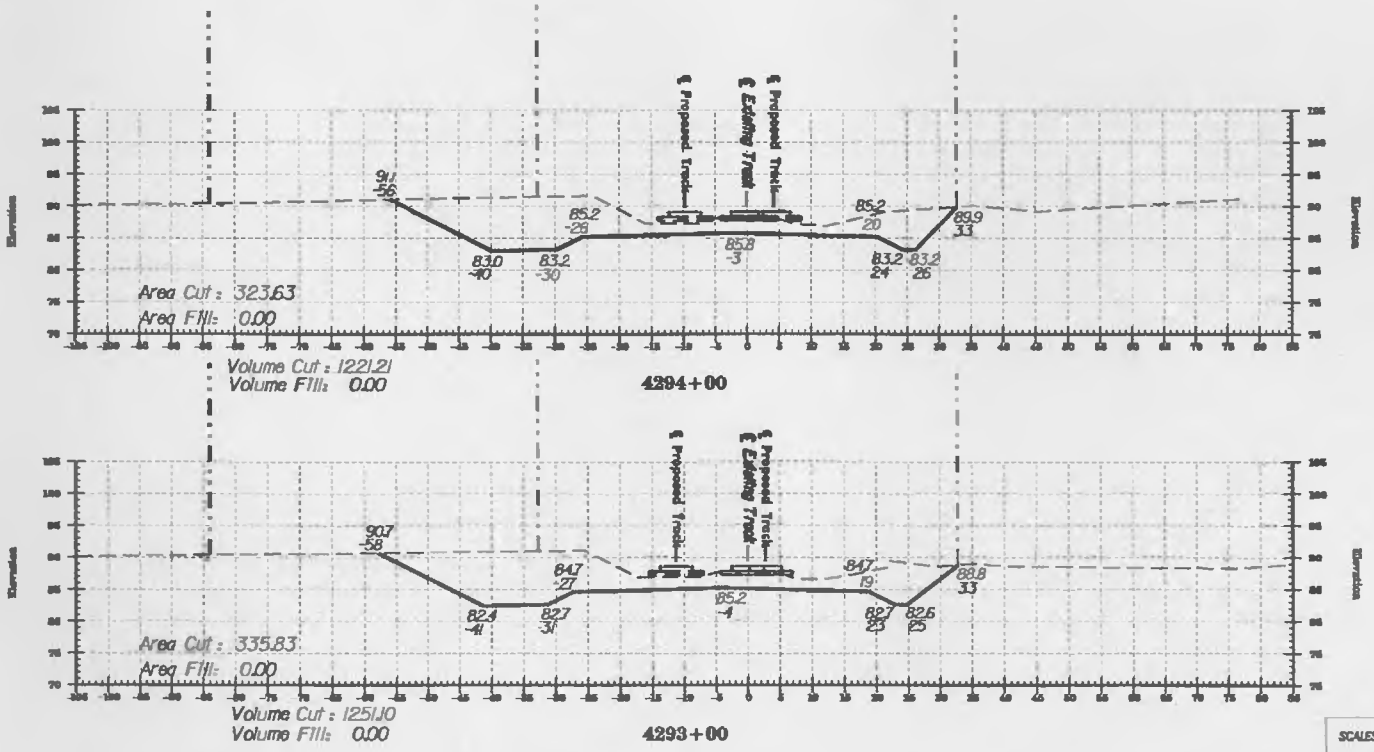
SANDUSKY DISTRICT DOUBLE TRACKING

MILEPOST S-77.9 TO S-81.4

CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 89 OF	DWG. No. TB-1999-86



LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

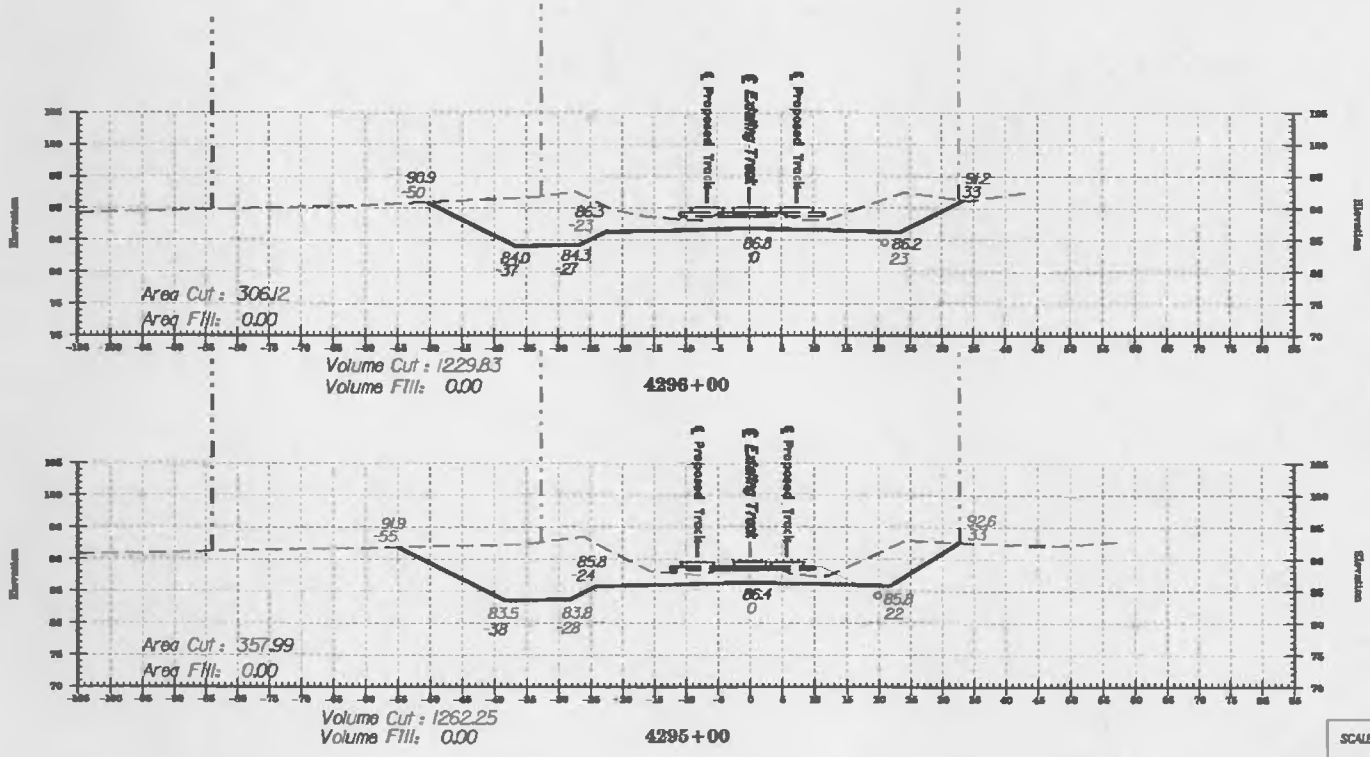
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

20
10
0
-10 0 10 20

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN Corporation — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 90	TB-1999-86



LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

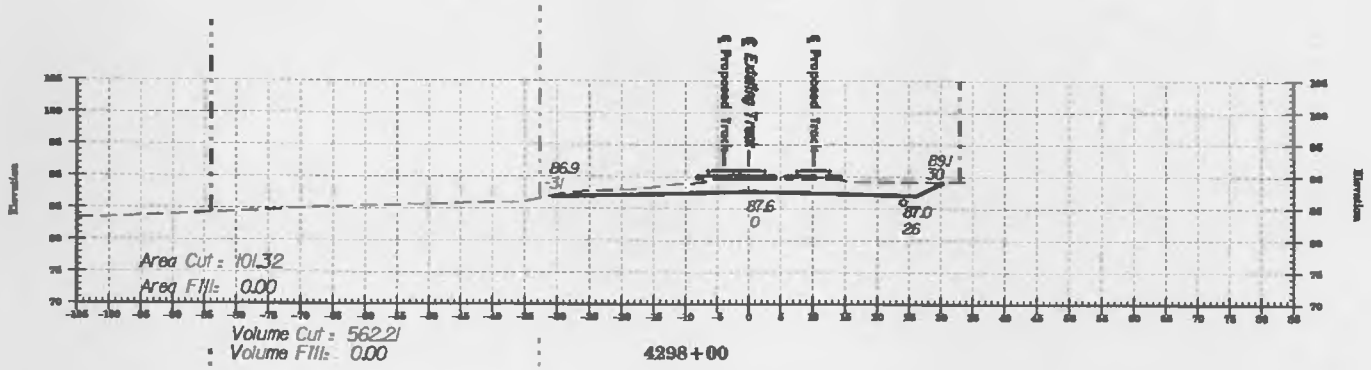
20 10 0 -10 0 10 20

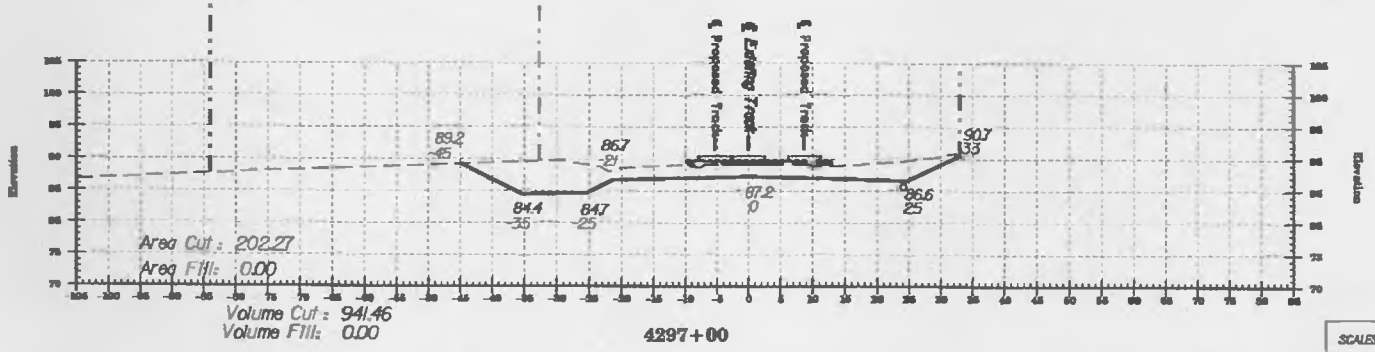
REV	DATE	BY	REVISIONS DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	CTR. NO. 107 1 6216	DATE 03/21/2000
DR. RCZ	SHEET 91	TB-1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

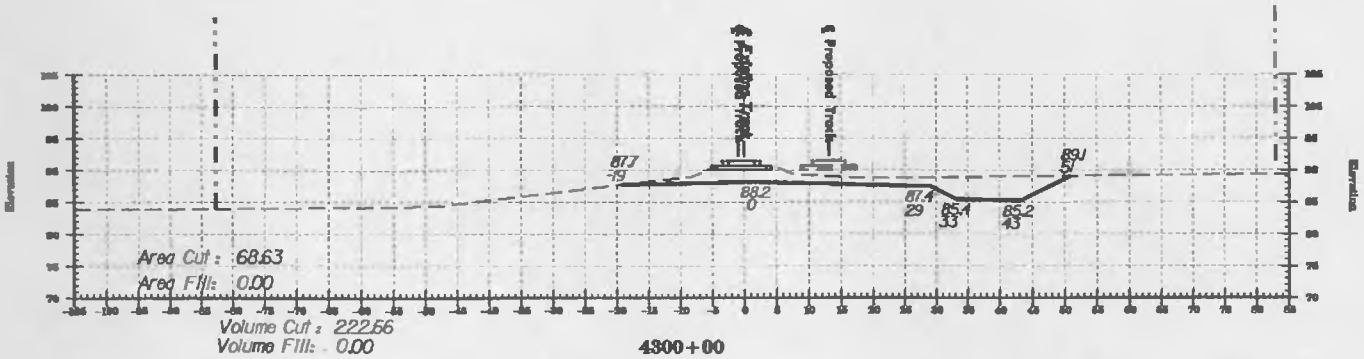
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

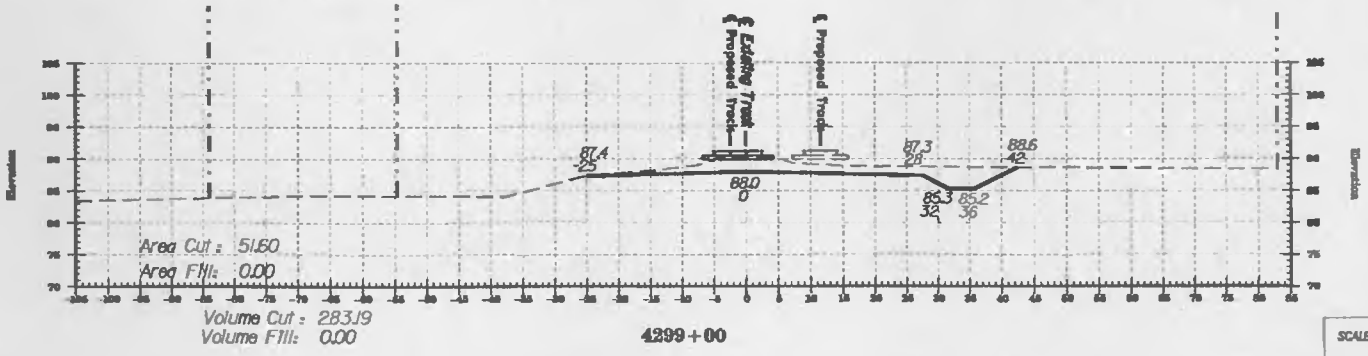
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000	
DR. RCZ	SHT. 92	DWG. NO. TB-1999-86	





LEGEND

Existing Surface
Proposed Surface
Existing Property Line
Proposed Property Line

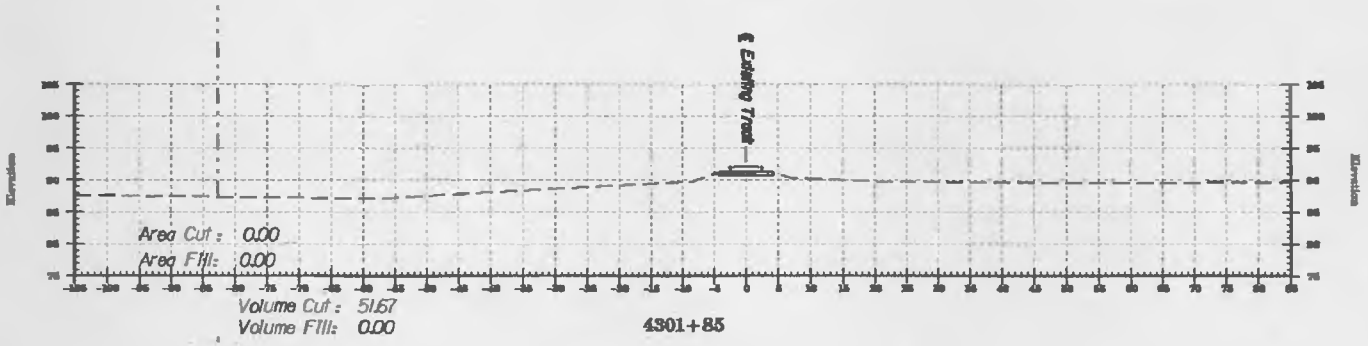
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107 1-6216	DATE 03/21/2000	
DR. RCZ	SHEET 93 OF	DWG. No. TB-1999-86	



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

SCALES –

HORIZ: 1" = 20'

VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO

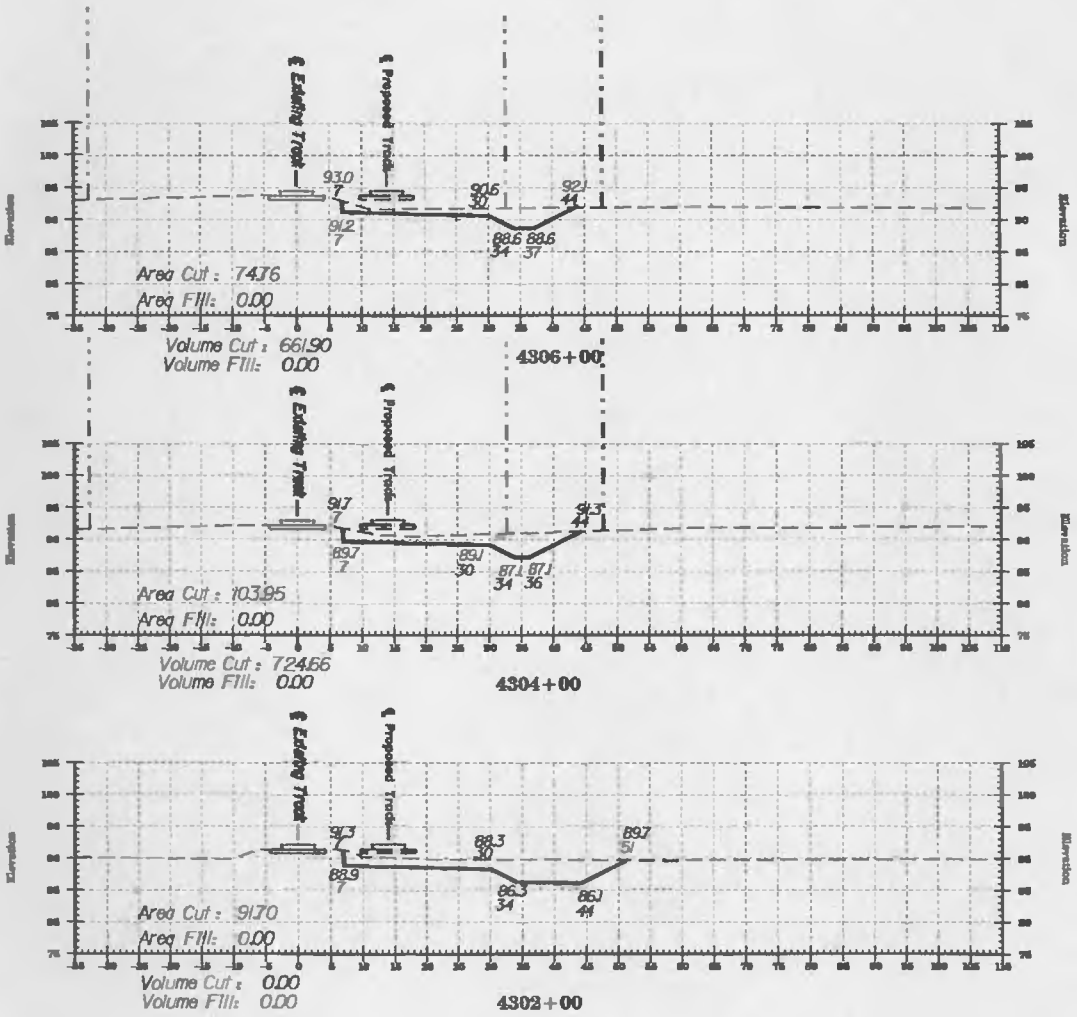
SANDUSKY DISTRICT DOUBLE TRACKING

MILEPOST S-77.8 TO S-88.4

CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	UNIT NO. 107 I 6216	DATE 03/21/2000
DR. RCZ	UNIT: 94	DWG. NO. TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

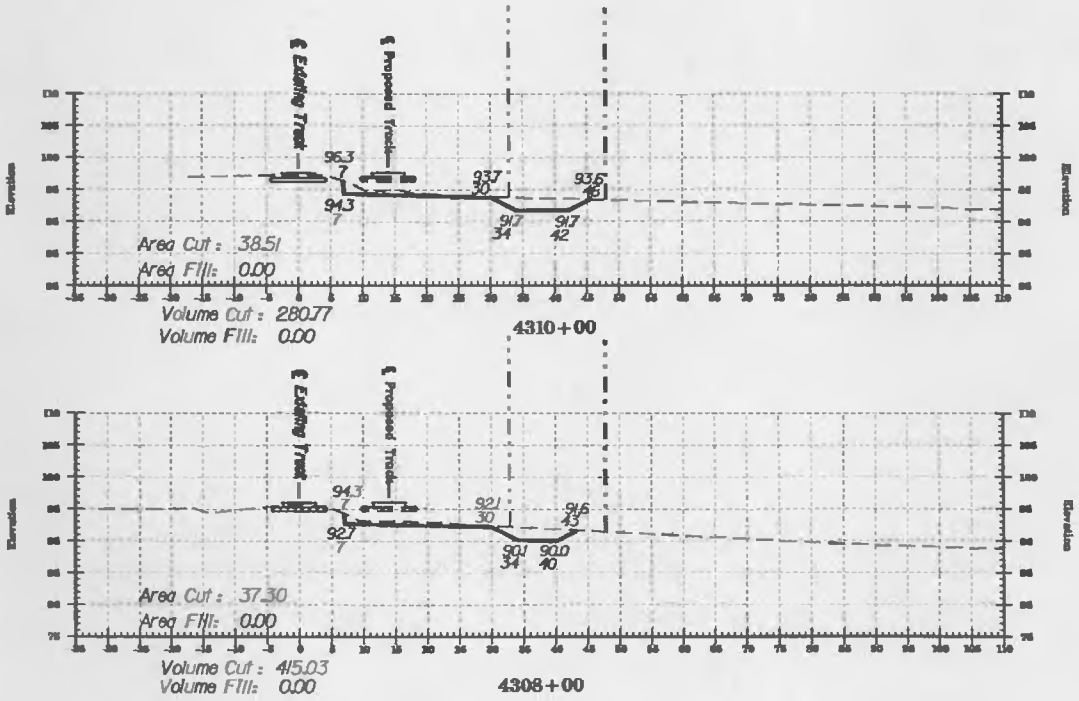
SCALES –
HORIZ. 1" = 20'
VERT. 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SPEC. 95	JOB NO. TB-1999-86



LEGEND

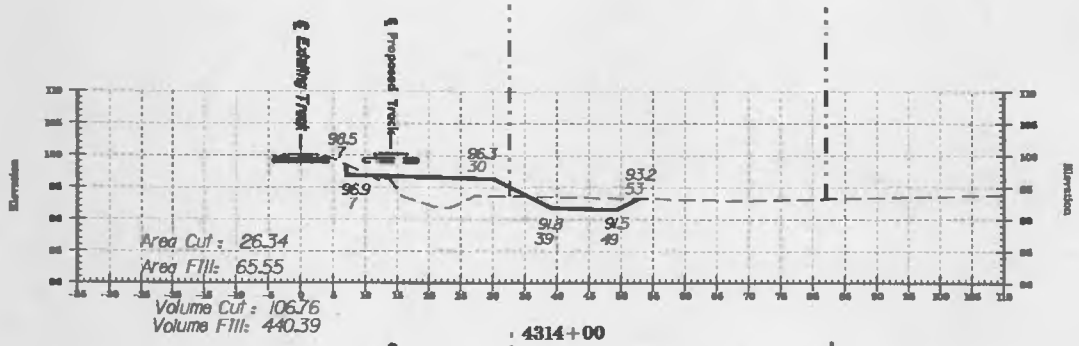
- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

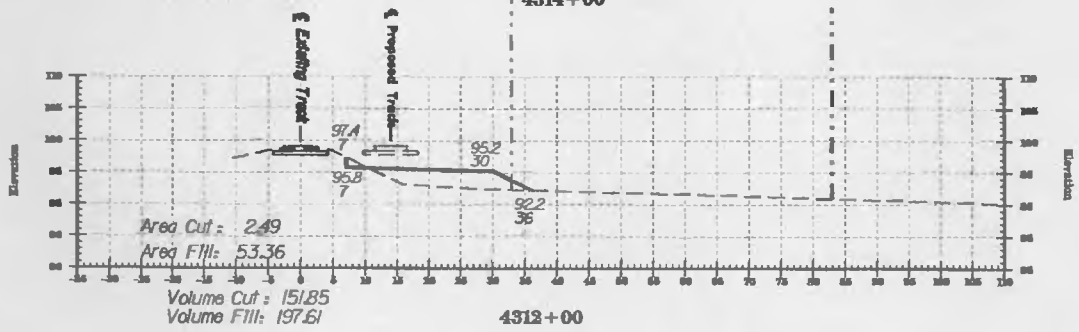
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107 I 6216	DATE 03/21/2000
DR. RCZ	SHEET 96 of	DWG. No. TB-1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

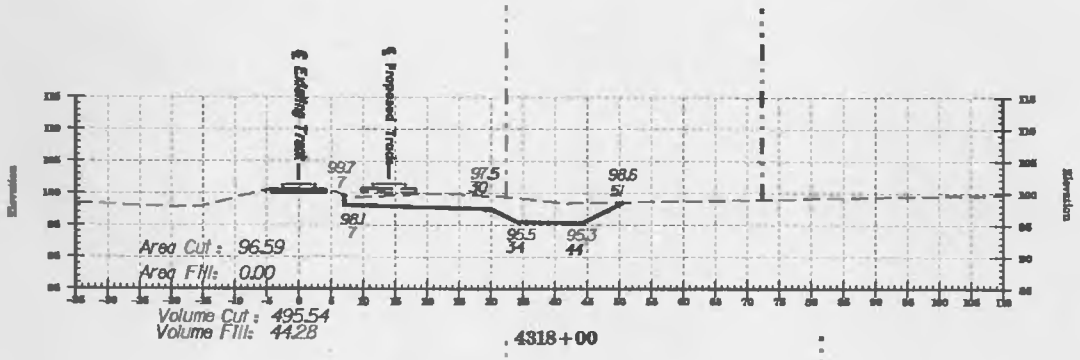
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

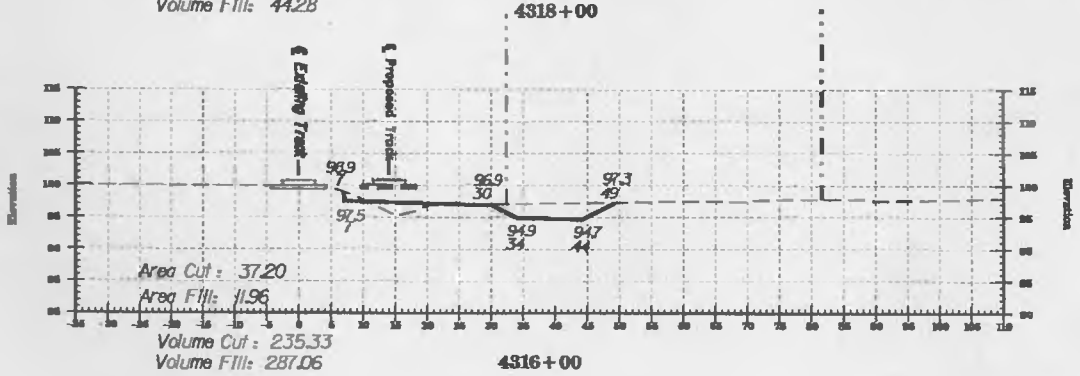
REV	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DWN RCZ	FILE No. 10P1:6216	DATE 03/21/2000
DSN RCZ	SHEET 97 OF	JOB No. YB-1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

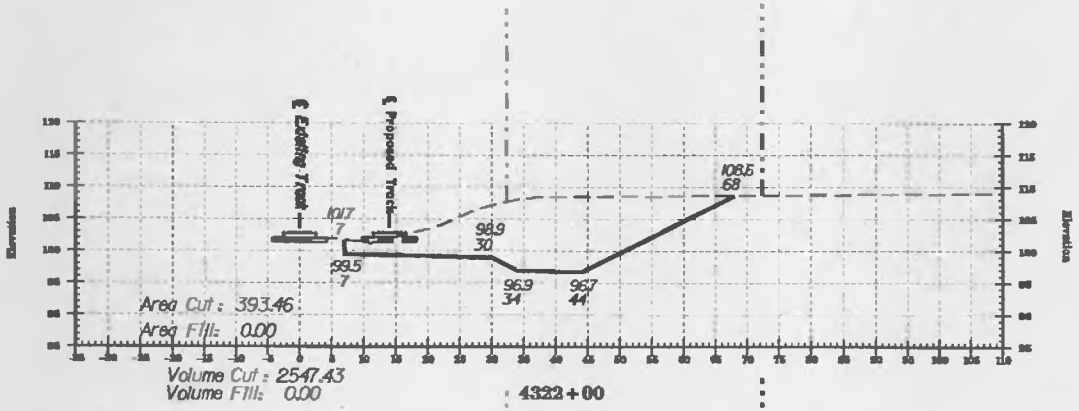
SCALES —
HORIZ: 1" = 20'
VERT. 1" = 20'

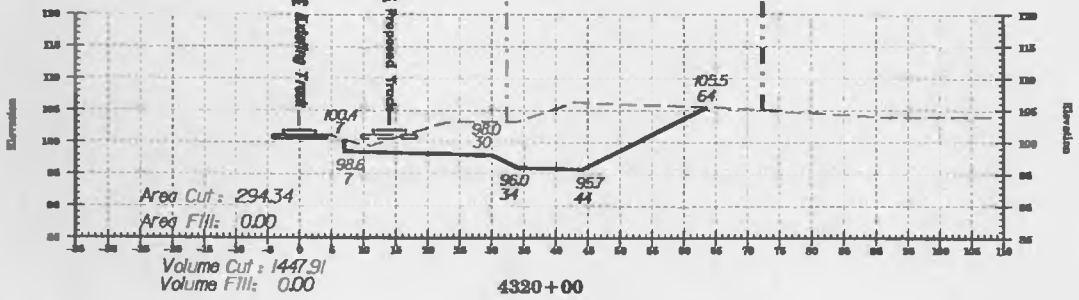
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-98.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107 1-6216	DATE 03/21/2000
DR. RCZ	SHT. 98 OF	DWG. No. TB-1999-86





LEGEND

Existing Surface	— — — —
Proposed Surface	———
Existing Property Line	— · — · —
Proposed Property Line	— · · — · · —

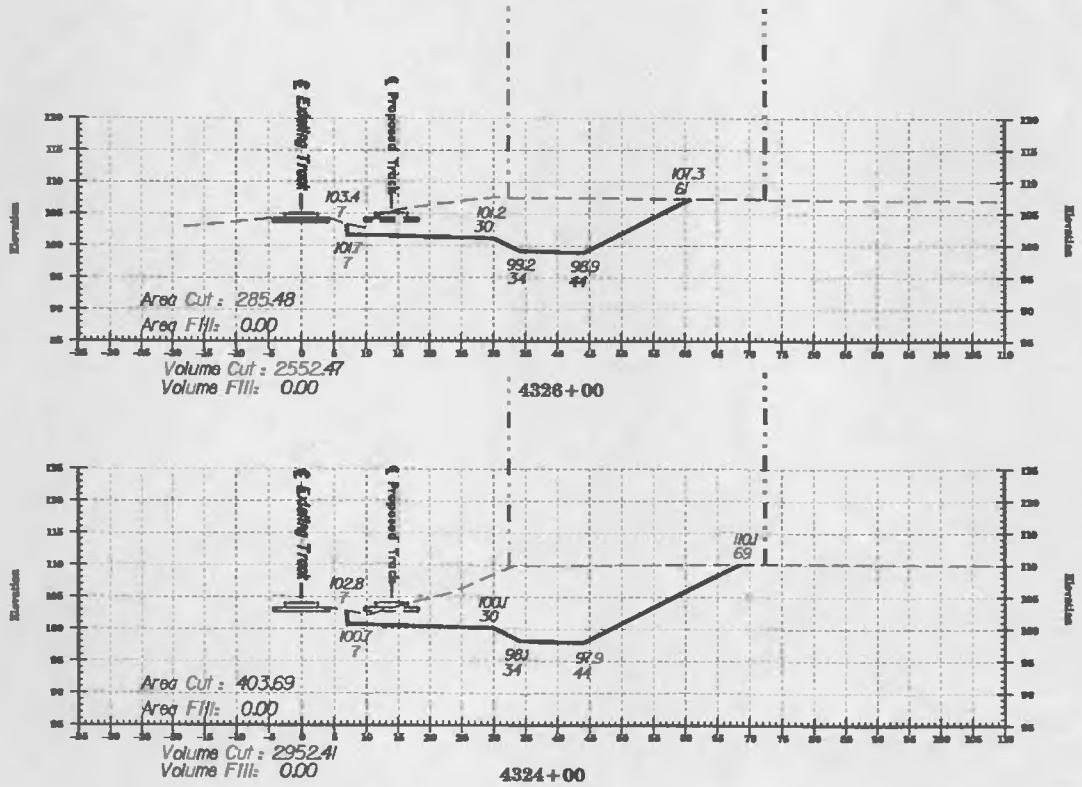
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

NO.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 99	DWG. NO. TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

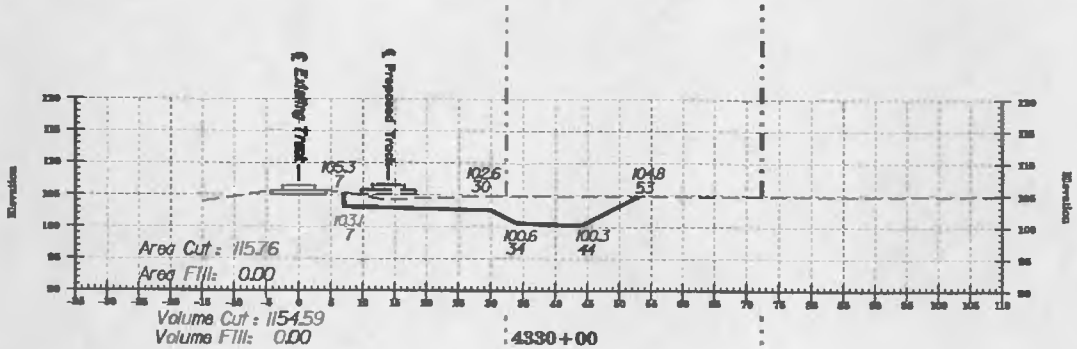
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

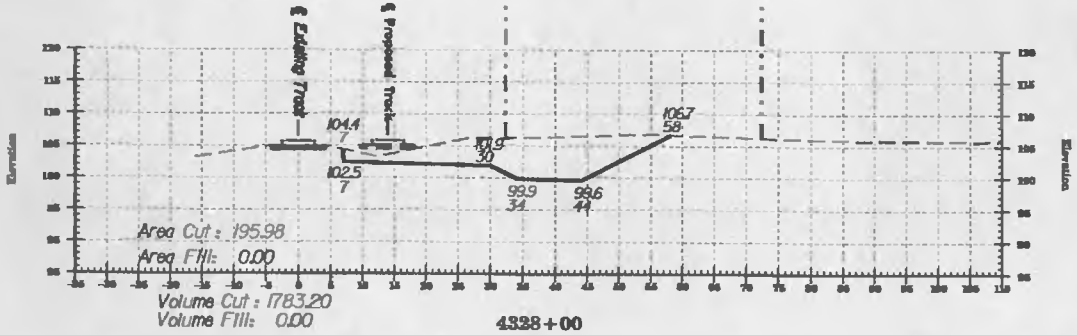
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 100 OF	DWG No. TB-1993 85





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

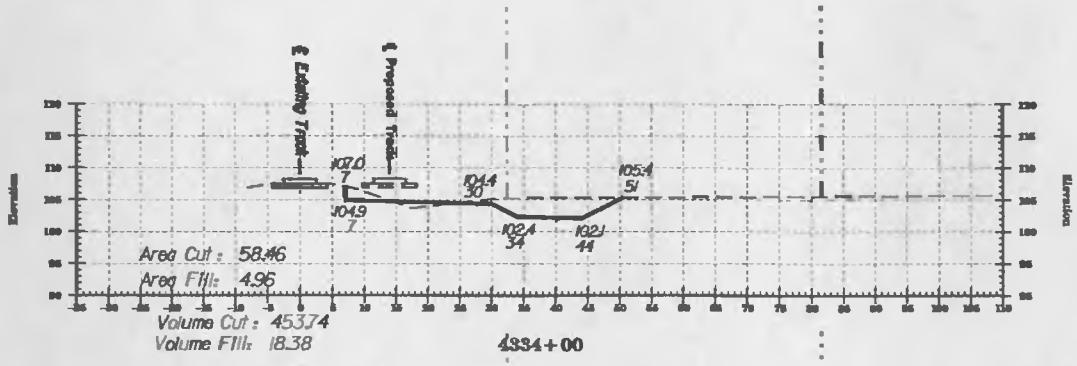
SCALES:
HORIZ. 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

M.S. RCZ	FILE No. 107-1-6216	DATE 03/21/2000
T.H. RCZ	SHEET 101 OF	DWG. NO. TB-1999-85



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

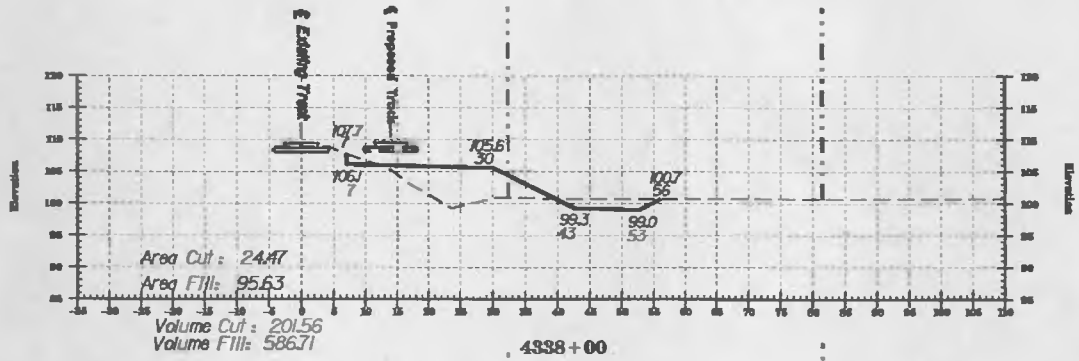
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

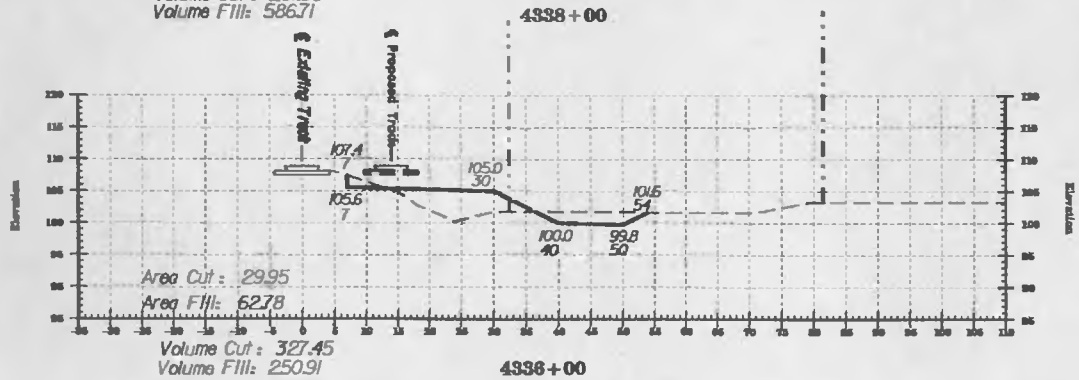
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

MORRISON KNUDSEN CORPORATION — OFFICE OF CHIEF ENGINEER

W.S. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 102 OF	DWG NO. TB-1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

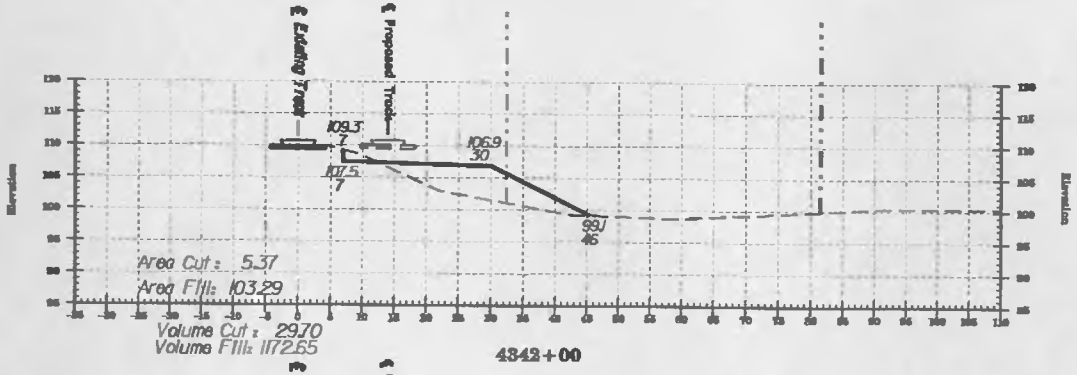
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

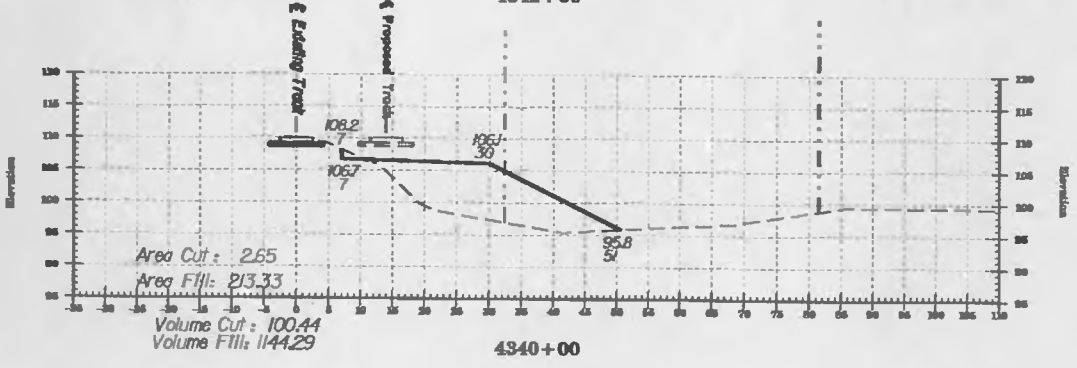
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE	03/21/2000
DR. RCZ	SHEET 103 OF	SW. NO. TB-1999-86	



4342+00



4340+00

LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

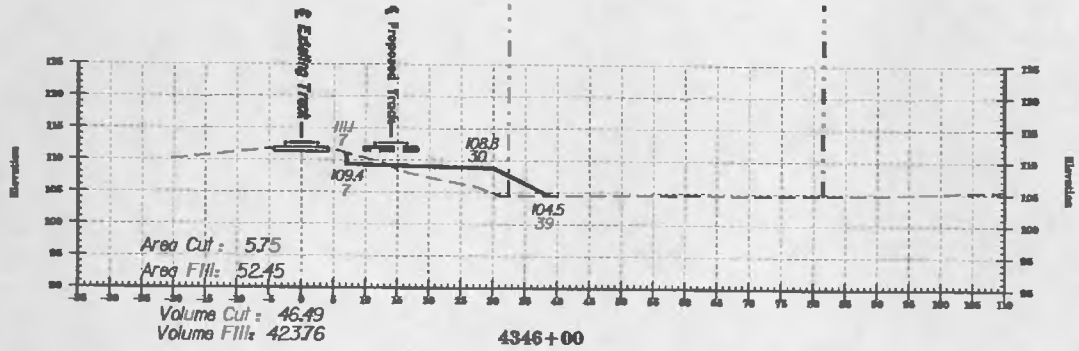
SCALES –
HORIZ. 1" = 20'
VERT. 1" = 20'

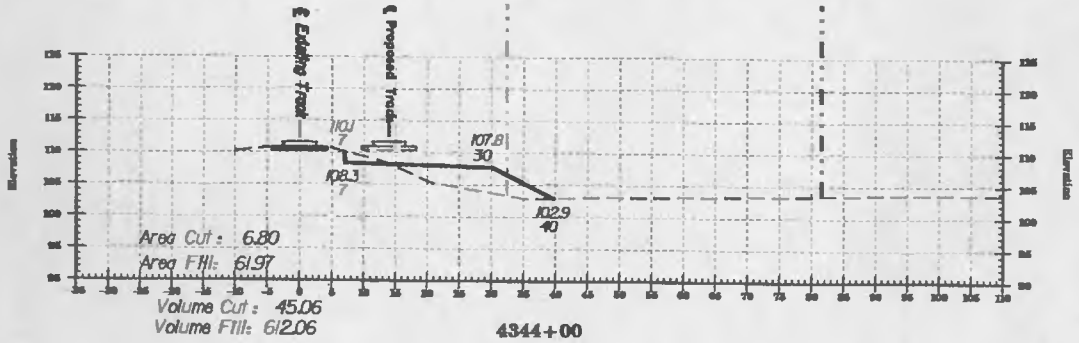
REV.	DATE	BY	NOTES ON DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE	03/21/2000
DR. RCZ	SHEET 104	DWG. NO.	TB-1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

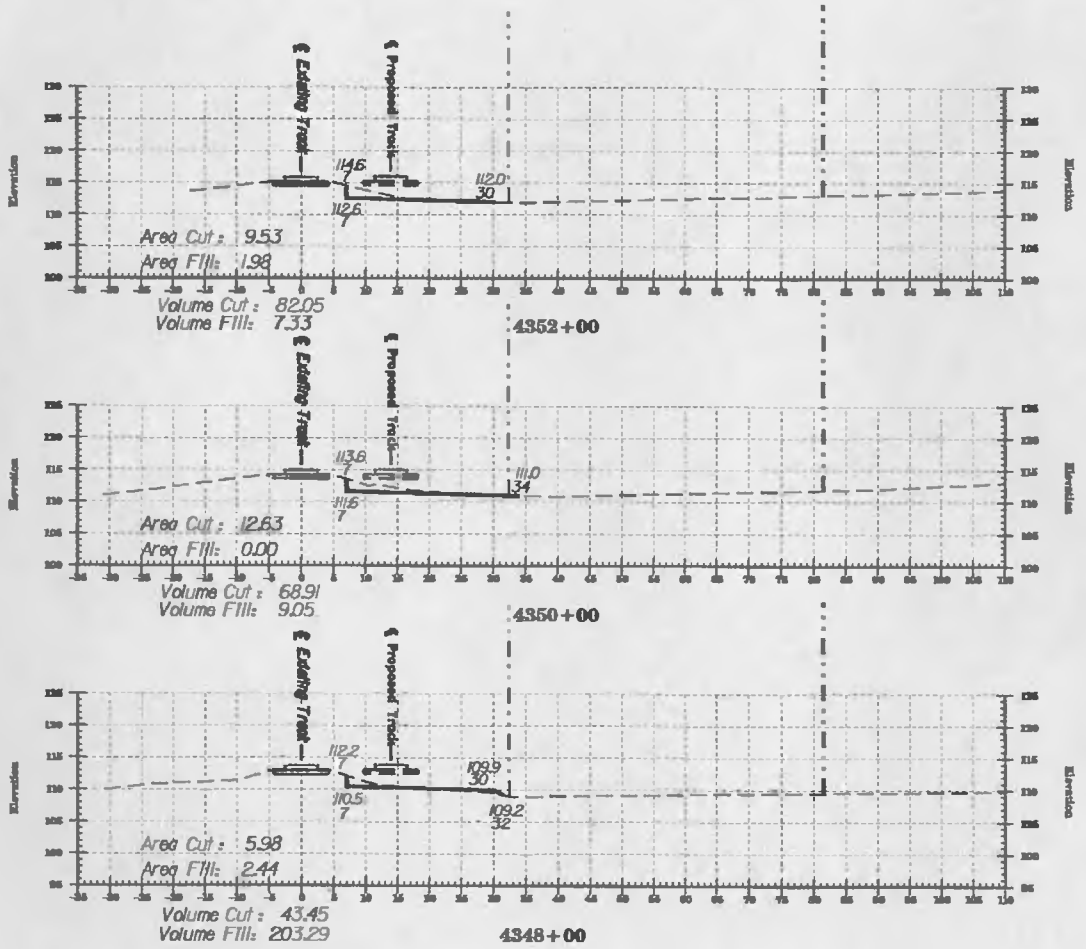
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

NO.	DATE	BY	REVISION DESCRIPTION

ATTICA OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107 1-6216	DATE 03/21/2000
DR. RCZ	SHEET 105 OF	DWG. No. TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

SCALES –
HORIZ. 1" = 20'
VERT. 1" = 20'

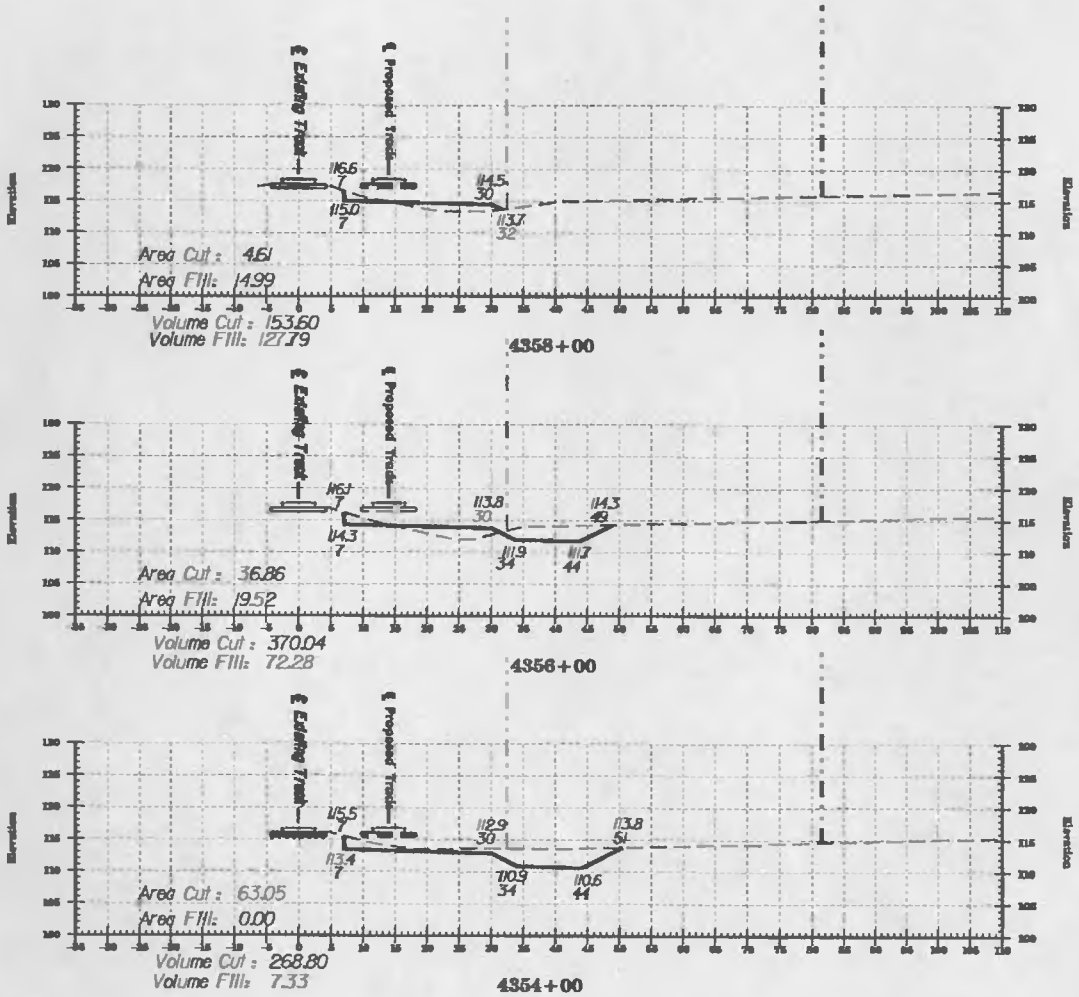
20 10 0 10 20

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 106 OF	DWG No. TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

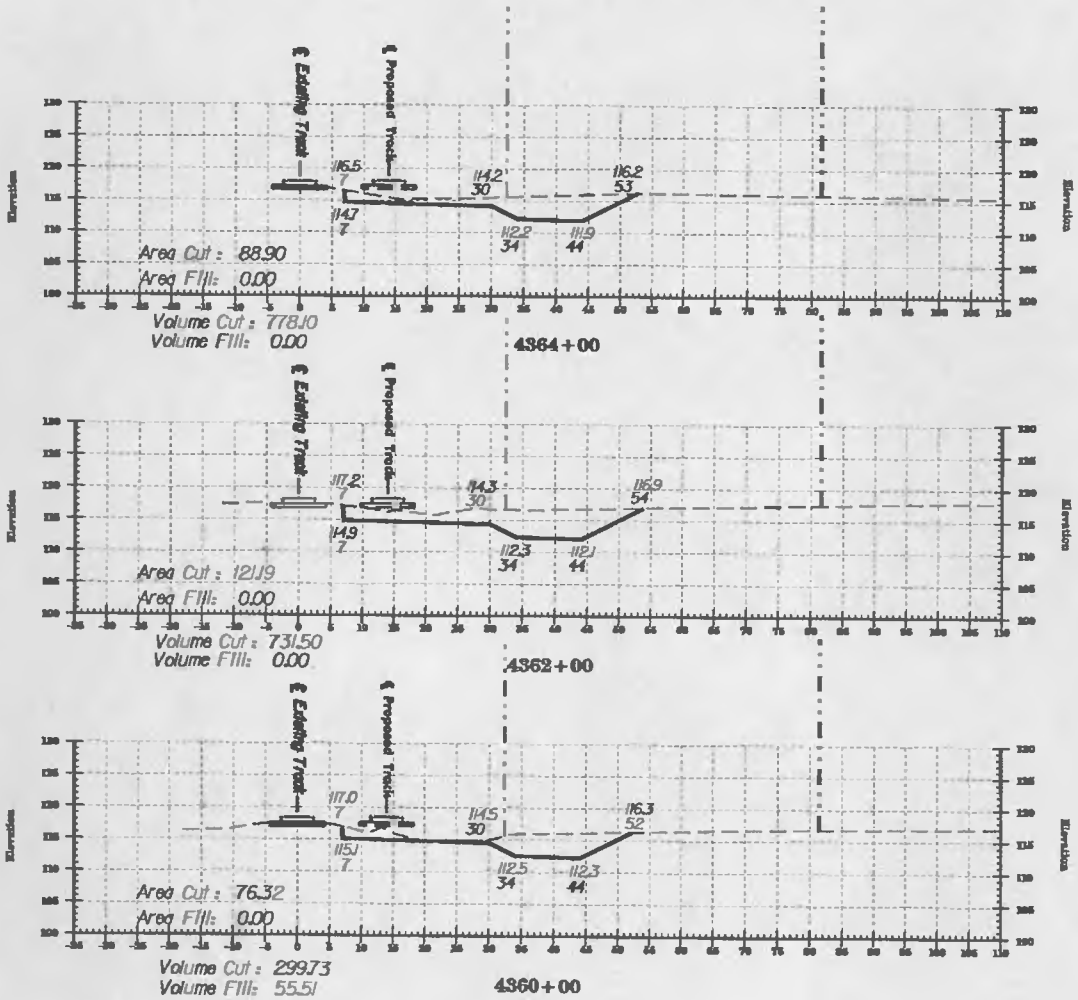
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-86.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	TITLE No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 107 OF	DWG No. TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

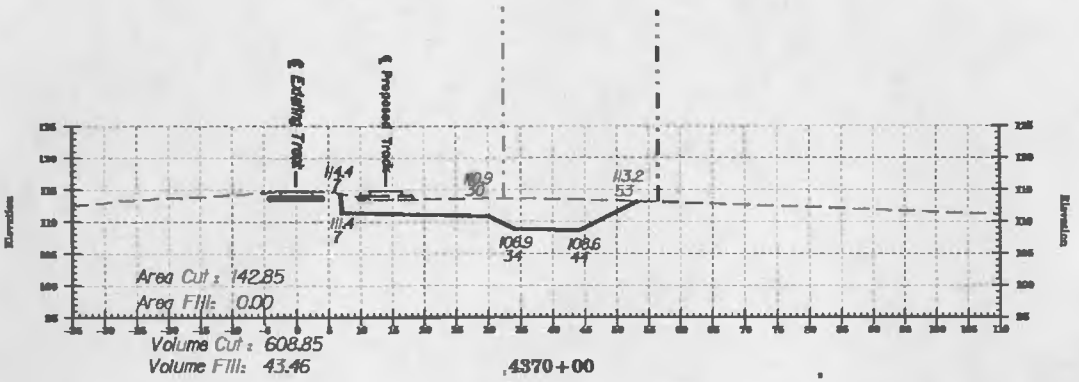
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

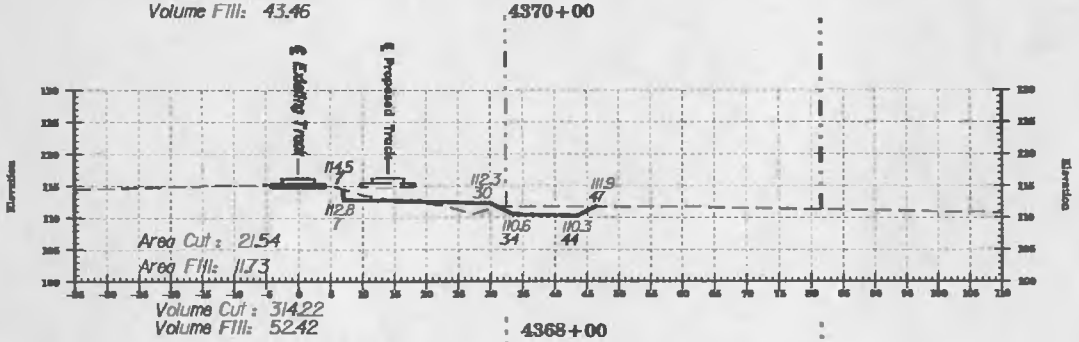
REV.	DATE	BY	REVISION DESCRIPTION

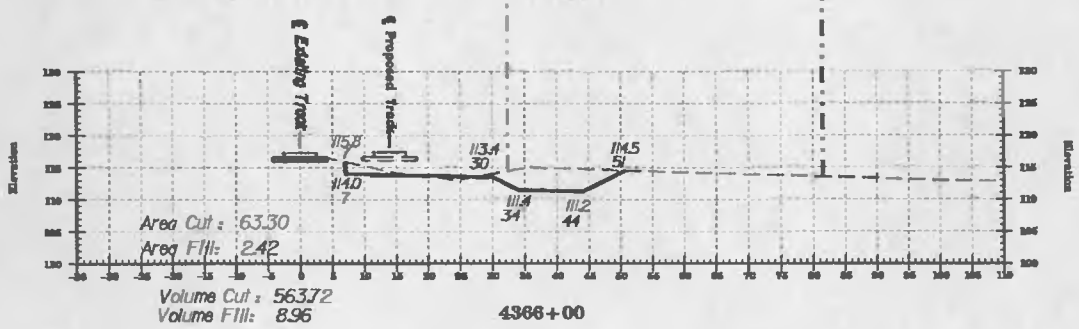
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	PROJECT No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 108 OF	DWG No. TB-1999-86







LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

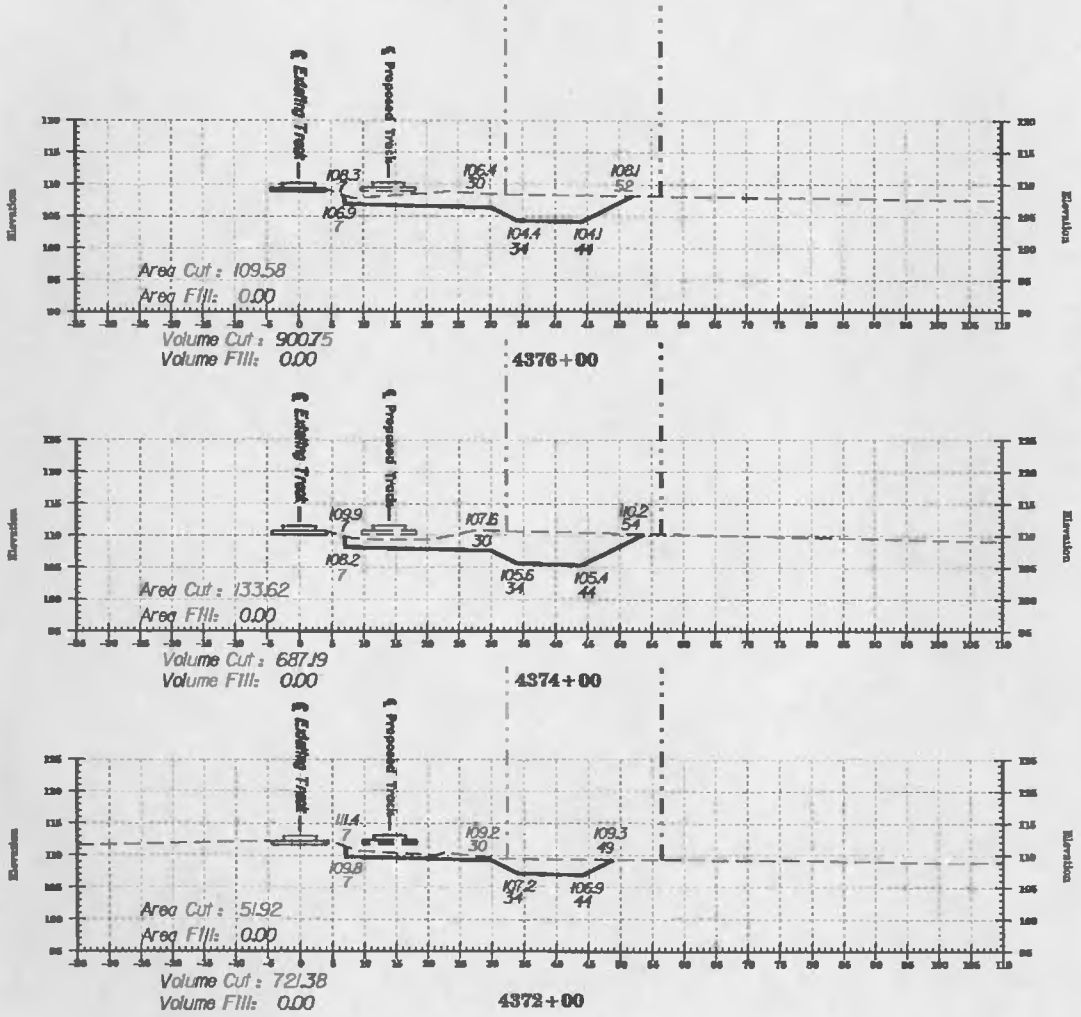
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION (USCS DATUM)

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE	03/21/2000
DR. RCZ	SHEET 109 OF	DWG NO. TB-1999-86	



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

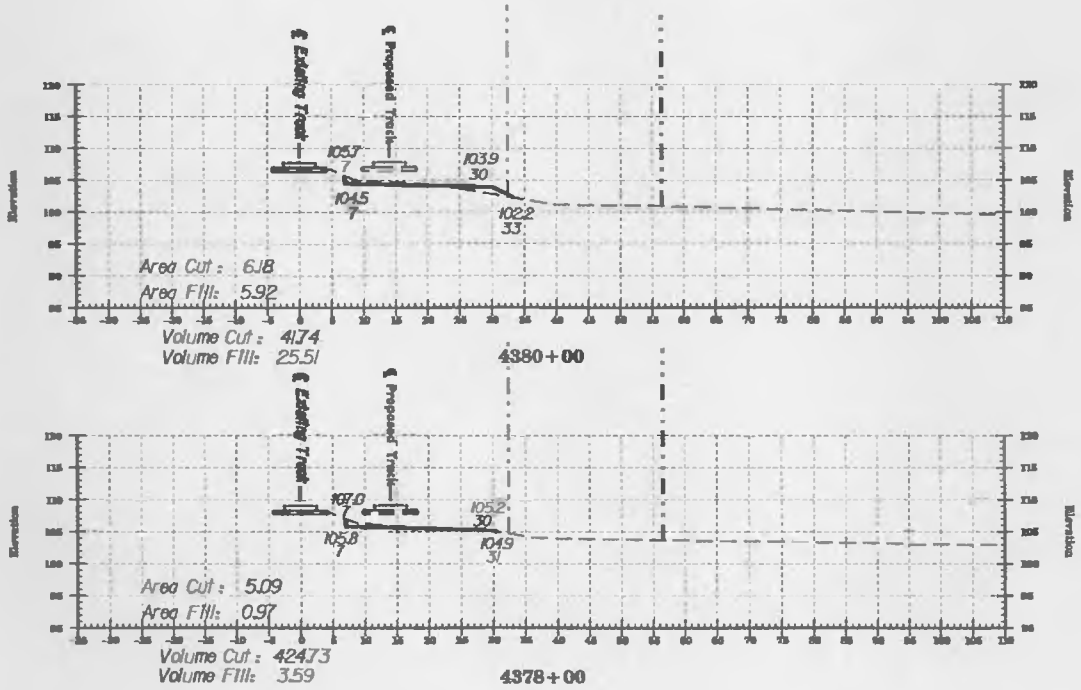
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

MORPOL SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	PROJ. NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 110 OF	DWG No. TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

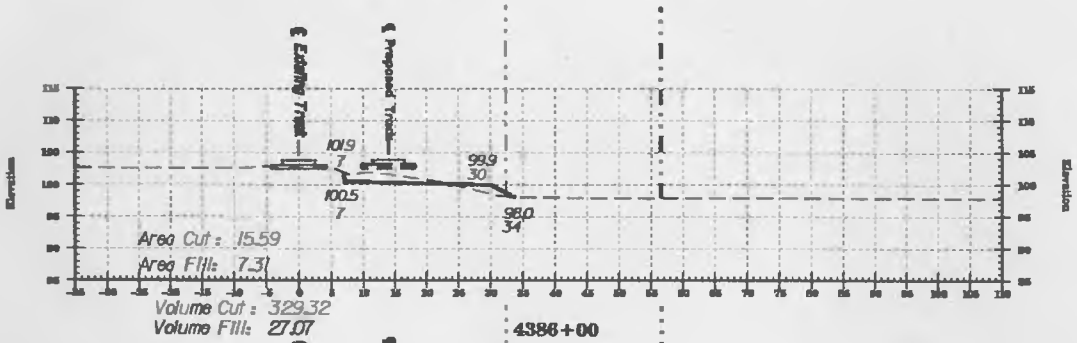
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

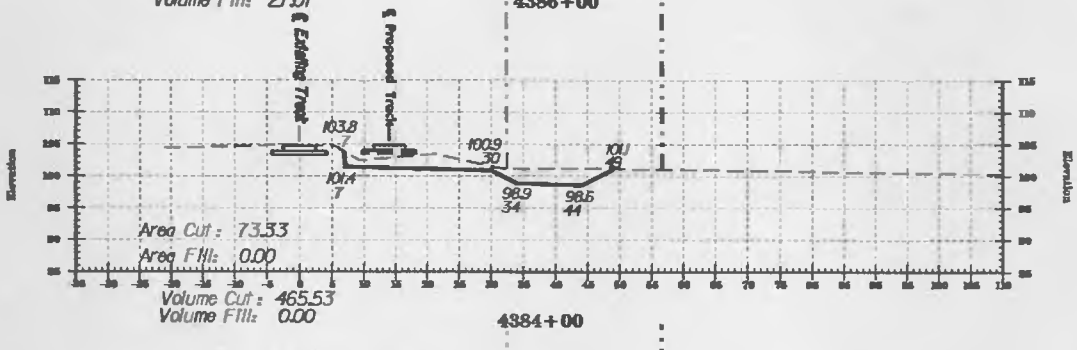
REV.	DATE	BY	REVISION DESCRIPTION

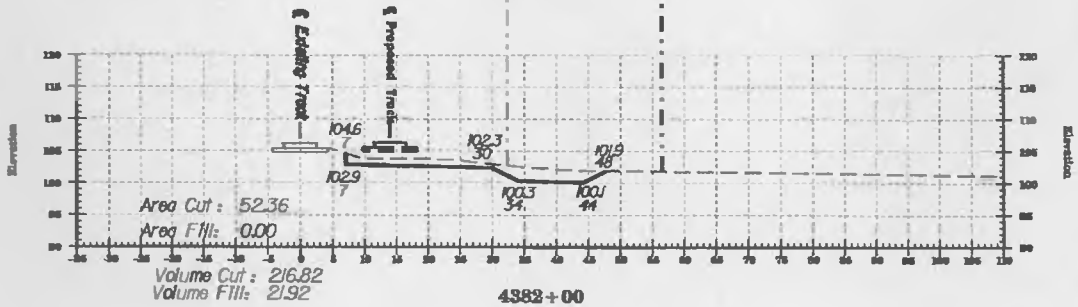
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107 I 6216	DATE 03/21/2000
DR. RCZ	SHEET 111 OF	DWG No. TB-1999 86







LEGEND

Existing Surface	— — — —
Proposed Surface	———
Existing Property Line	— · — · —
Proposed Property Line	——— · ———

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

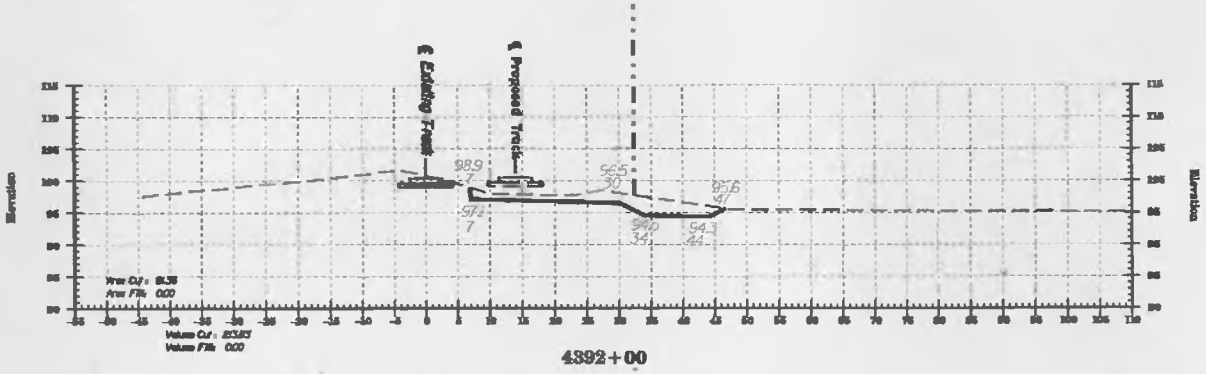
20 10 0 10 20

REV.	DATE	BY	REVISION DESCRIPTION

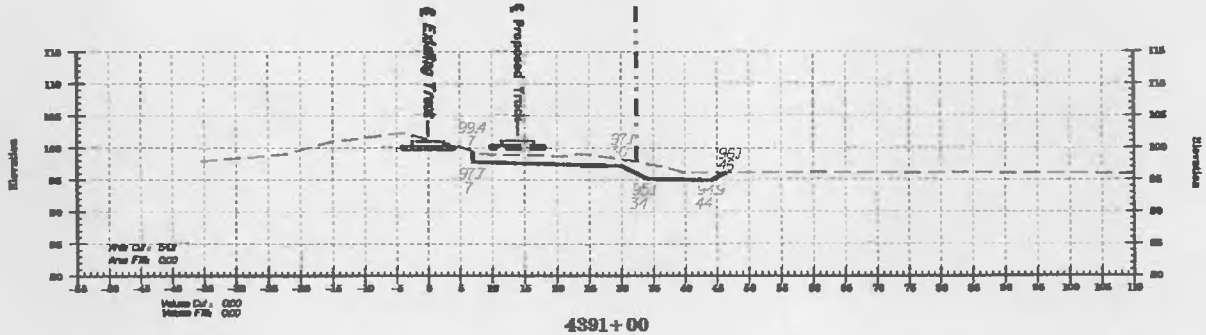
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107 1-6216	DATE	03/21/2000
DW. RCZ	SHEET 112 OF	DWG. NO.	TB-1999-86



4392+00



4391+00

LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

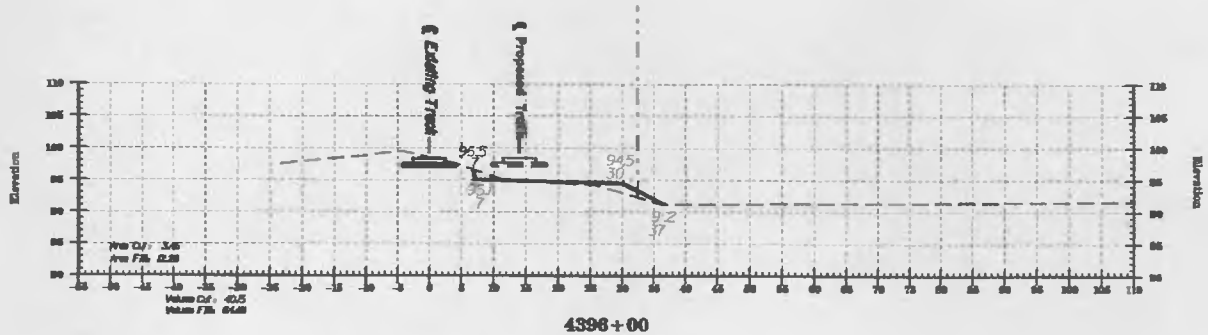
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

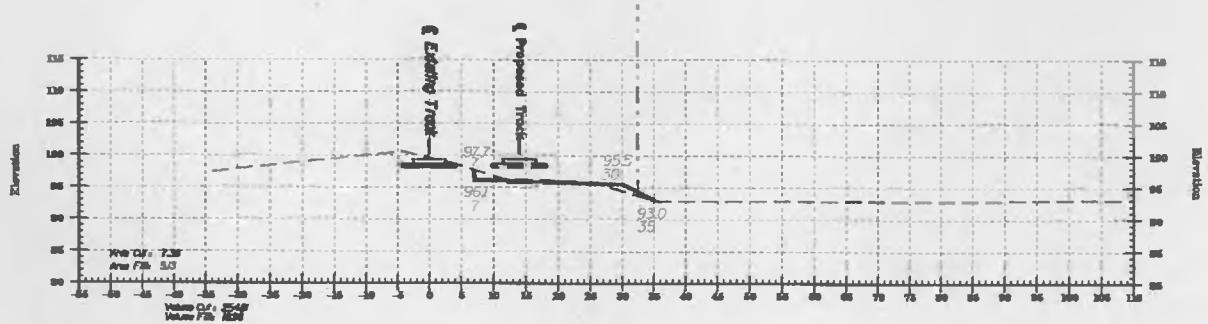
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000	
DR. RCZ	SHEET 113 OF	DWG NO. TB 1999-86	



4396+00



4394+00

LEGEND

Existing Surface	
Proposed Surface	
Existing Property Line	
Proposed Property Line	

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

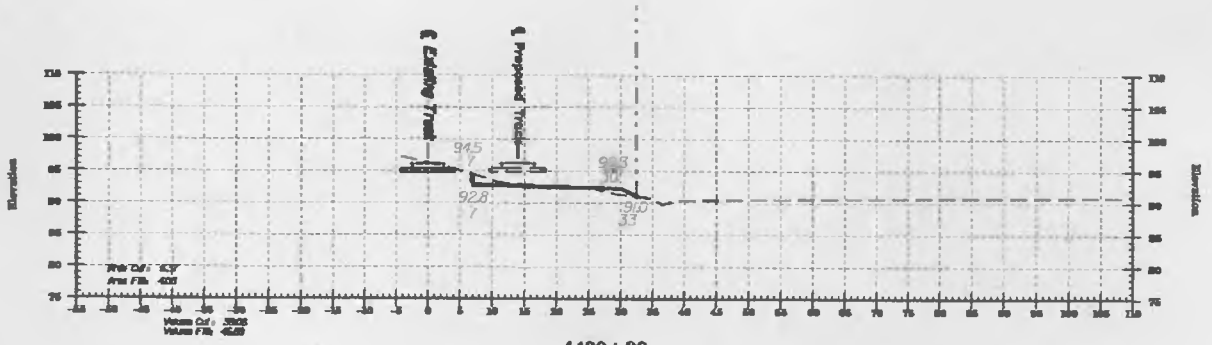
20 10 0
10 5 10 20

REV.	DATE	BY	REVISION DESCRIPTION

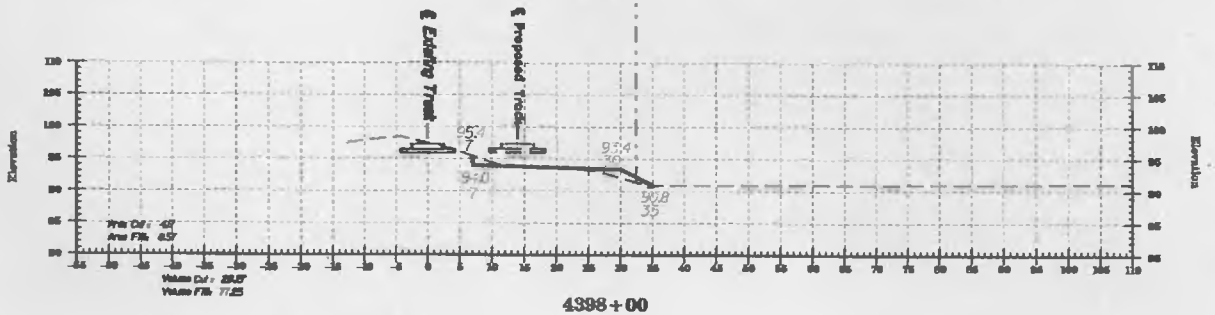
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DWG. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000	
CK. RCZ	SHEET 114 OF	DWG. NO. TB-1999-86	



4400+00



4398+00

LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

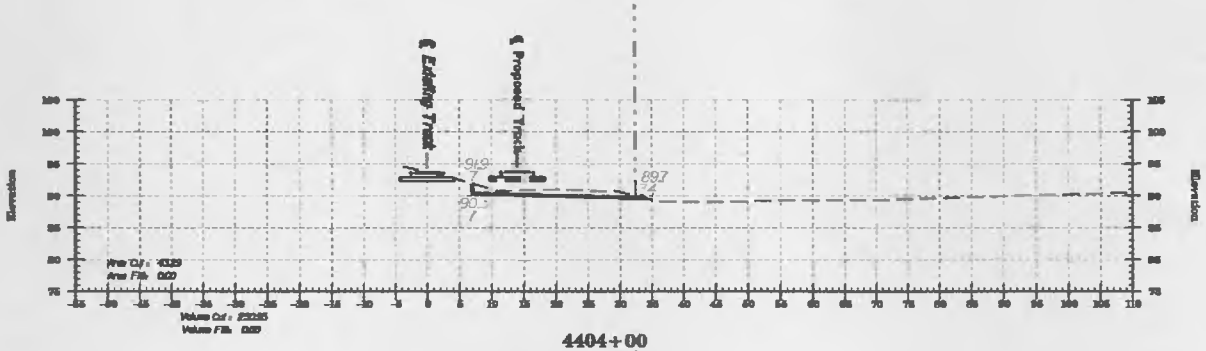
20 10 0 10 20

REV.	DATE	BY	REVISION DESCRIPTION

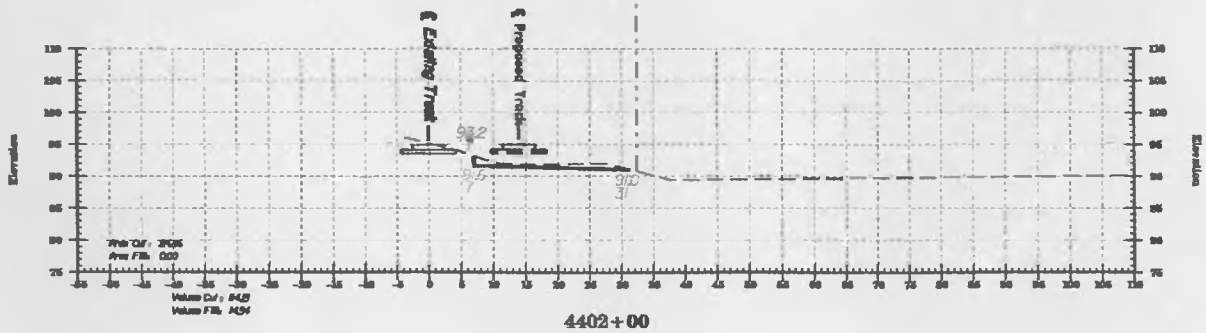
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 115 OF	DWG No. TB-1999-86



4404+00



4402+00

LEGEND

Existing Surface	
Proposed Surface	
Existing Property Line	
Proposed Property Line	

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

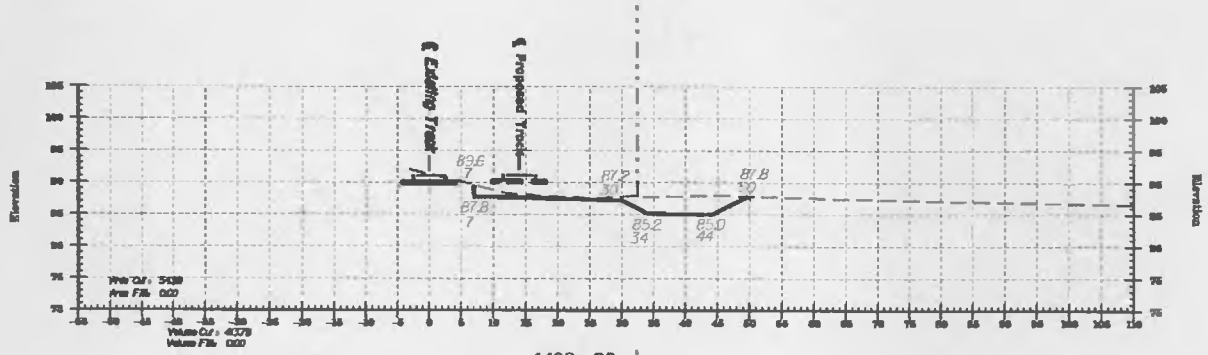
20 10 0 -10 0 10 20

REV.	DATE	BY	REVISION DESCRIPTION

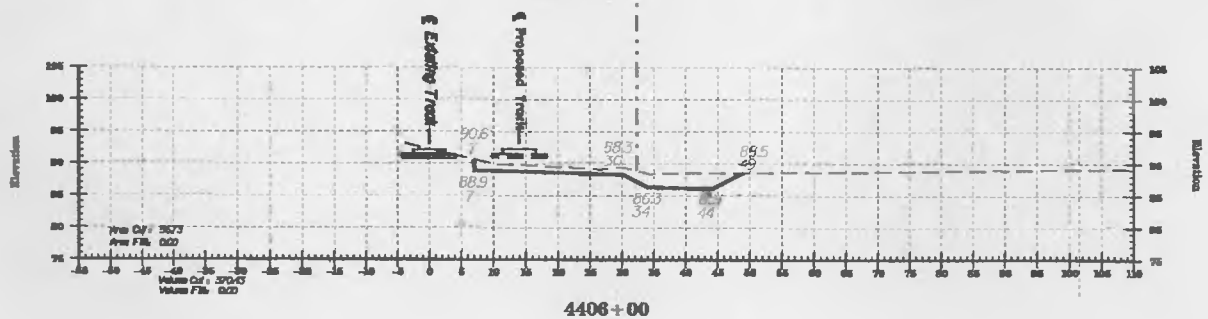
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-86.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000	
DR. RCZ	SHEET 116 OF	DWG NO. TB-1999-86	



4408+00



4406+00

LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

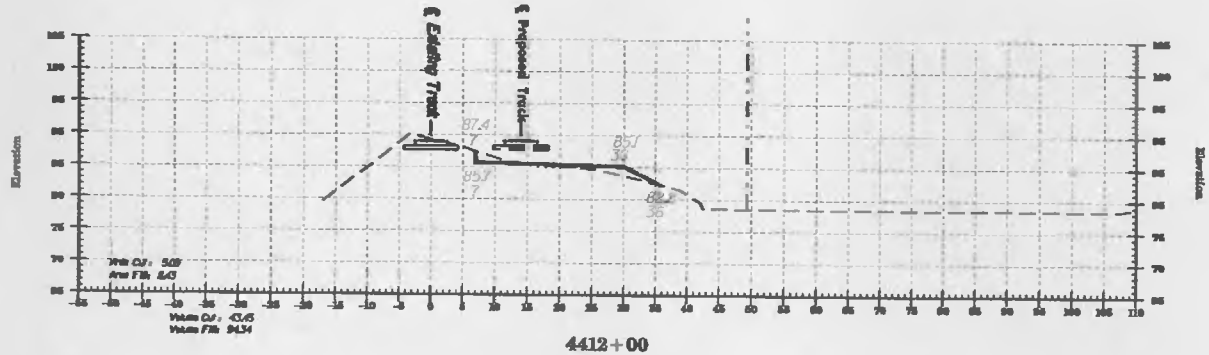
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV'S	DATE	BY	REV'S & DESCRIPTION

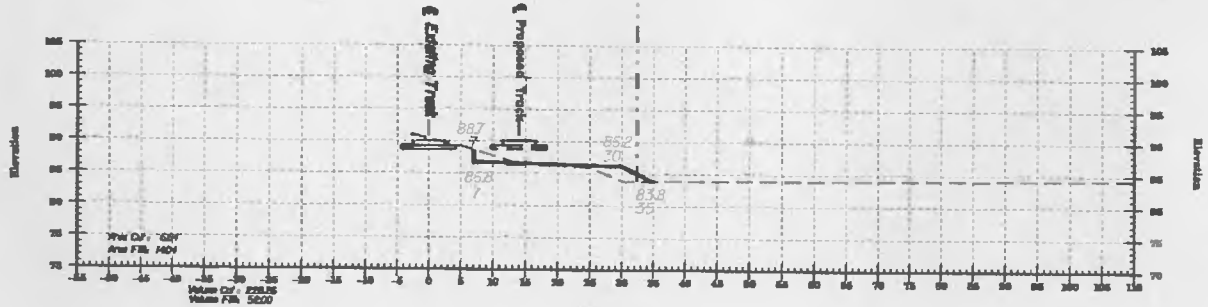
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	F.E.P. No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 117 OF	DWG. NO. TB-1999-86



4412+00



4410+00

LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

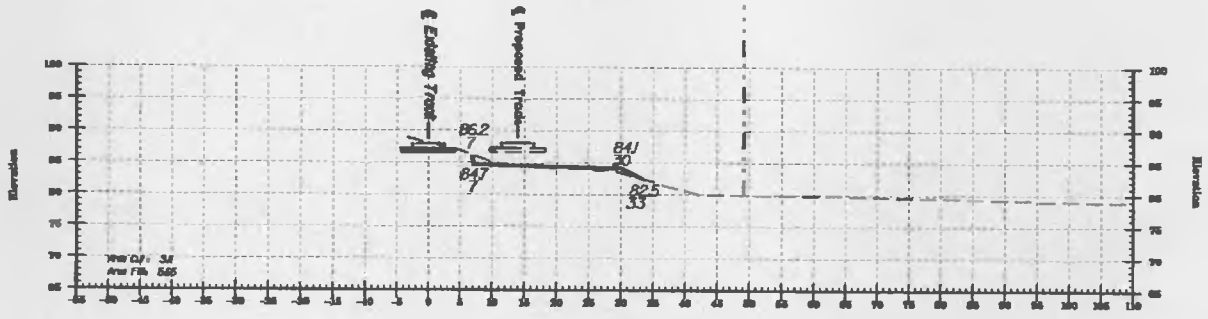
SCALES –
HORIZ. 1" = 20'
VERT. 1" = 20'

REV.	BY	DATE	REVISION DESCRIPTION

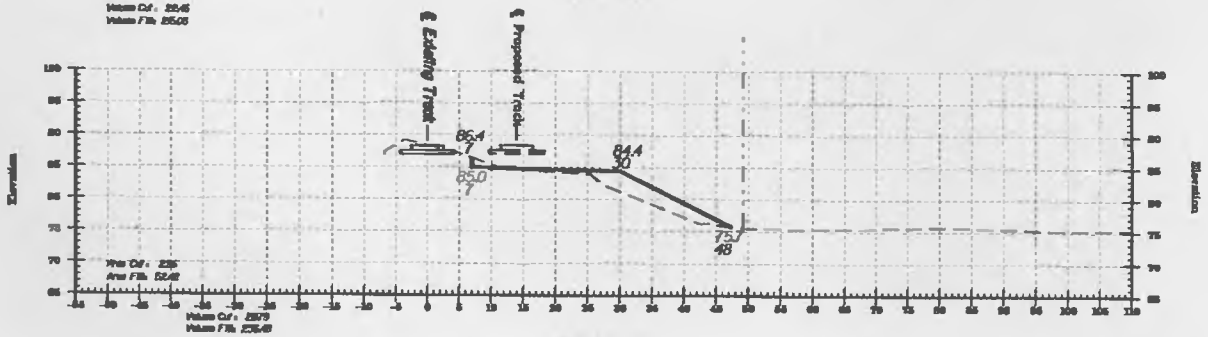
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN Corporation — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 110	DWG. NO. TB-1999-86



4416+00



4414+00

LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

SCALES —
HORIZ: 1" = 20'
VERT: 1" = 20'

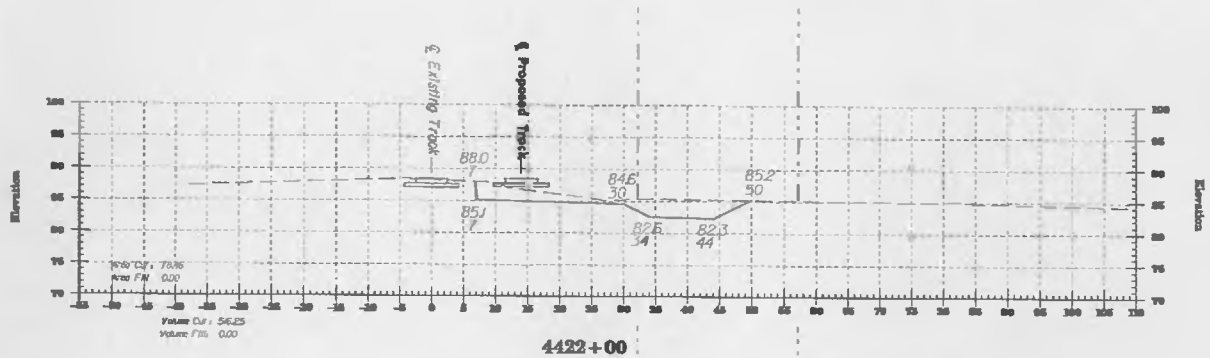
20
10
0
-10 0 10 20

REV.	DATE	BY	REVISION DESCRIPTION

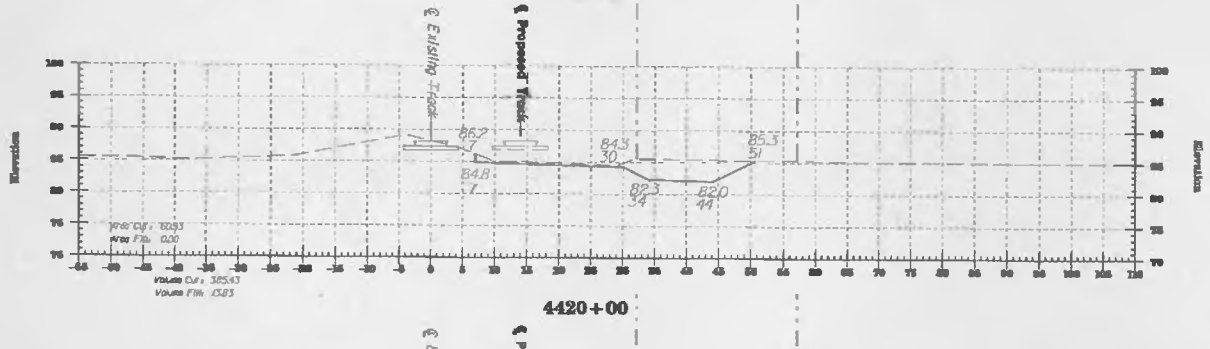
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

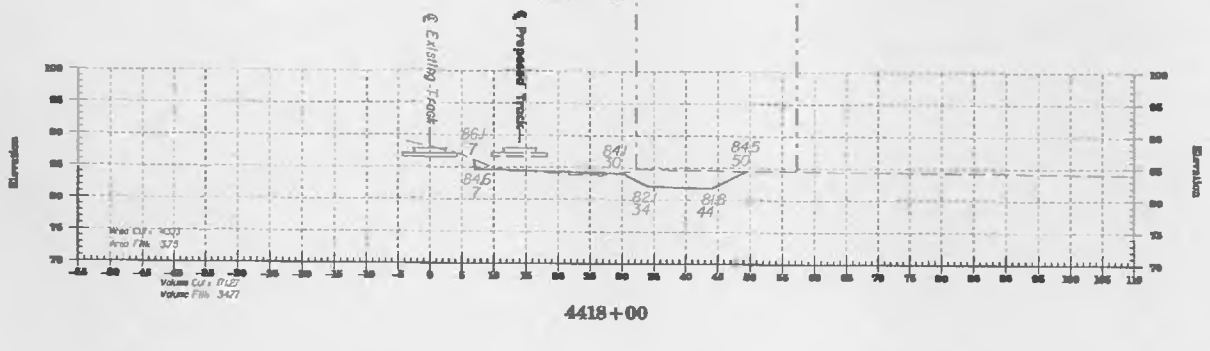
DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 119	DWG. No. TB-1999-86



4422+00



4420+00



4418+00

LEGEND

Existing Surface	– – – –
Proposed Surface	———
Existing Property Line	– · – · –
Proposed Property Line	– – – –

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

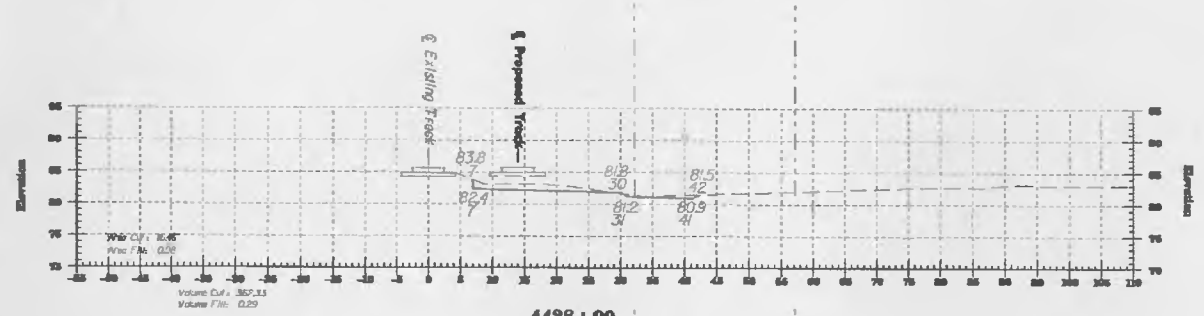
20
10
0
-10 0 10 20

REV.	DATE	BY	REVISION DESCRIPTION

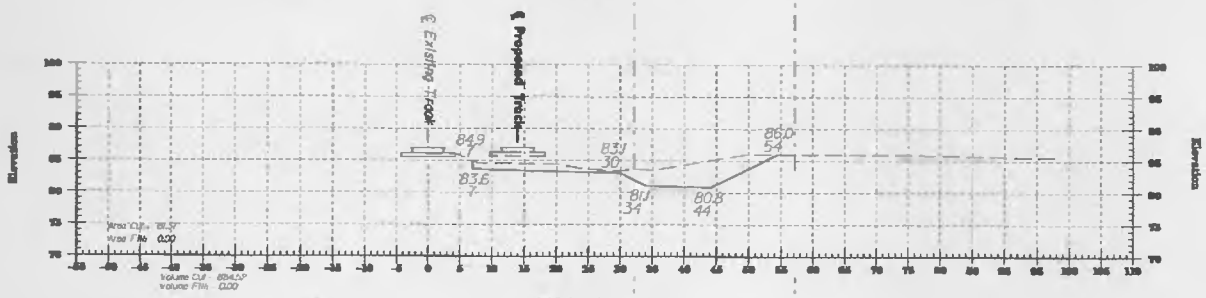
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

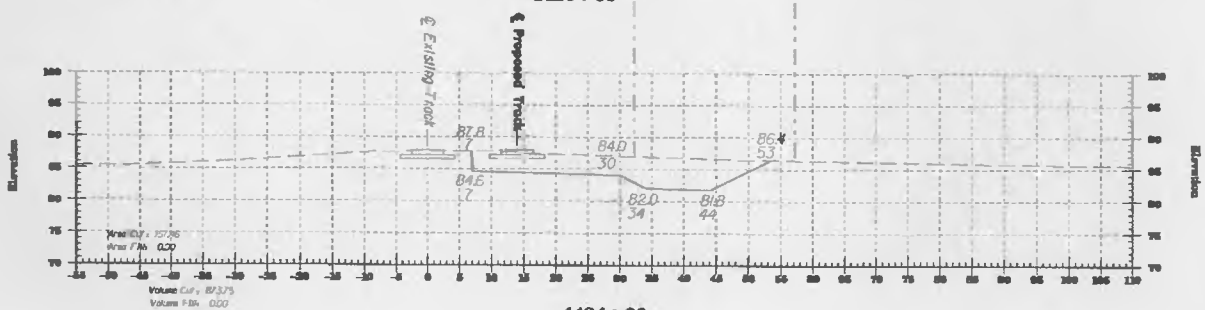
DES. RCZ	FILE No. 1GT-1-6216	DATE	03/21/2000
DR. RCZ	SHEET 120 OF	DWG No. TB-1999-86	



4428+00



4426+00



4424+00

LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

20 10 0

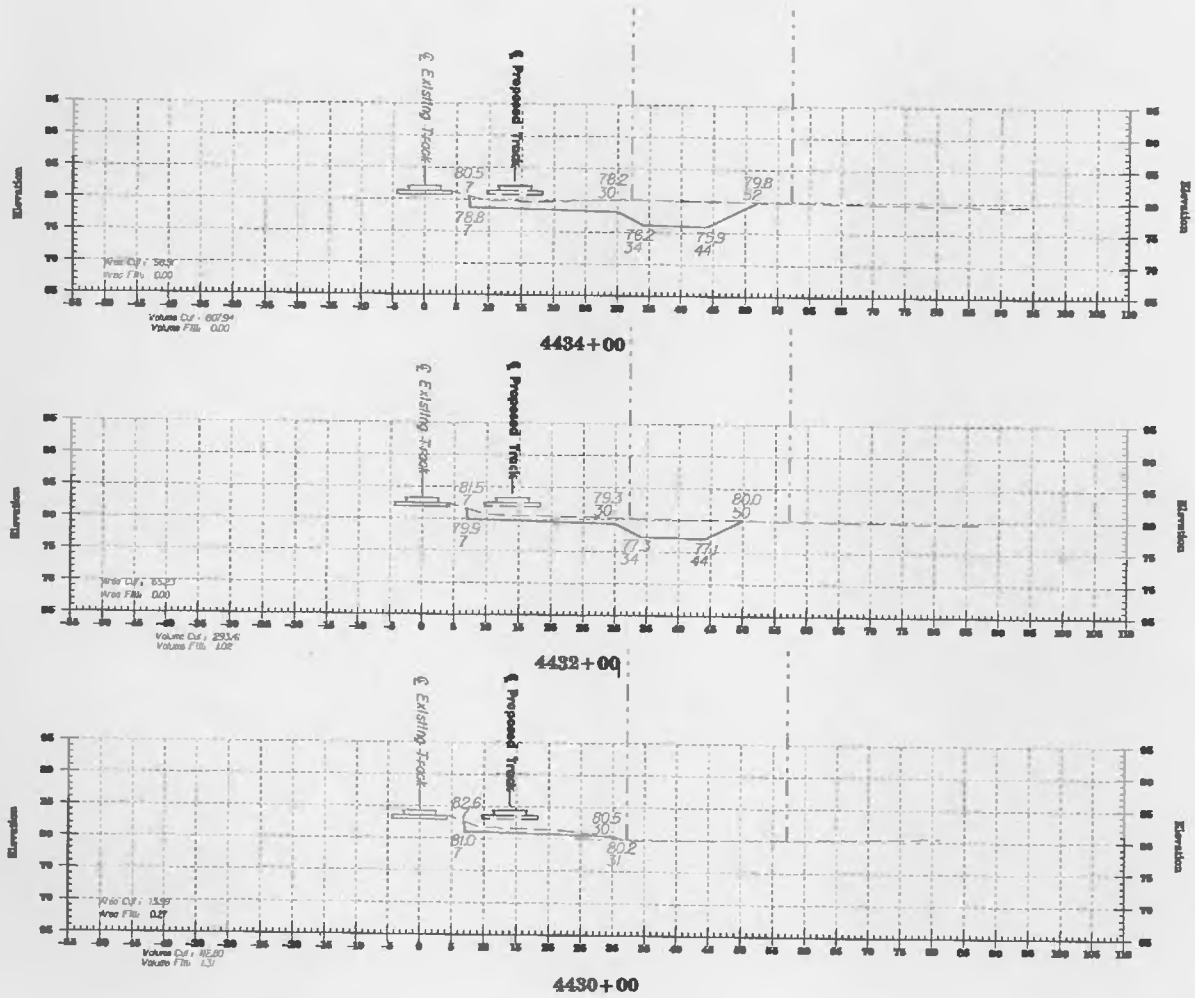
-10 0 10 20

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000	
DR. RCZ	SHEET 121 OF	DWG No. TB-1999-86	



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

SCALES –

HORIZ: 1" = 20'

VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO

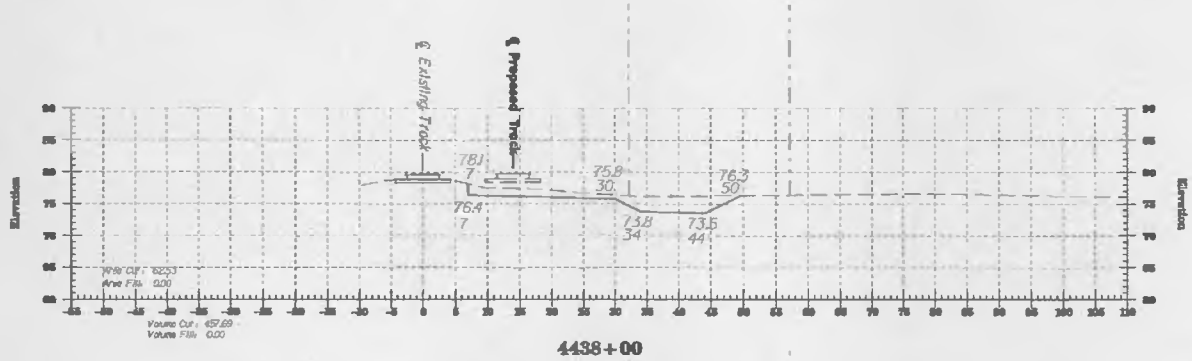
SANDUSKY DISTRICT DOUBLE TRACKING

MILEPOST S-77.9 TO S-88.4

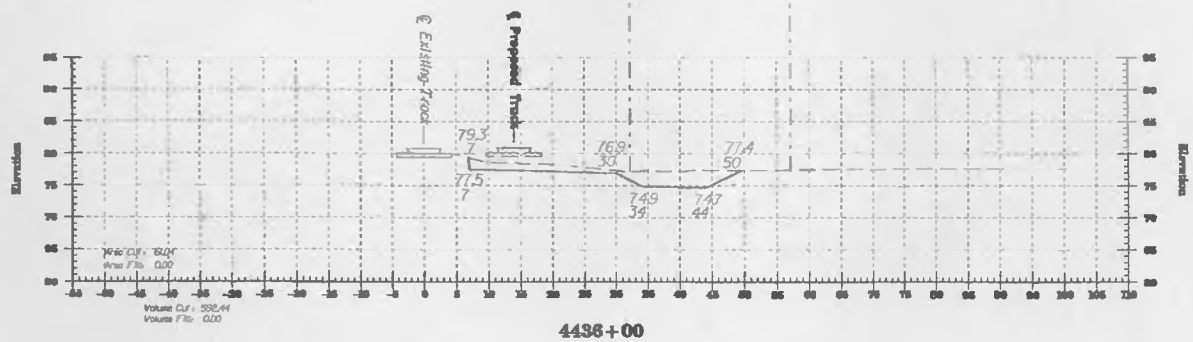
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE	03/21/2000
DR. RCZ	SHEET 122 OF	DWG No.	TB-1999-86



4438+00



4436+00

LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

SCALES –

HORIZ: 1" = 20'

VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO

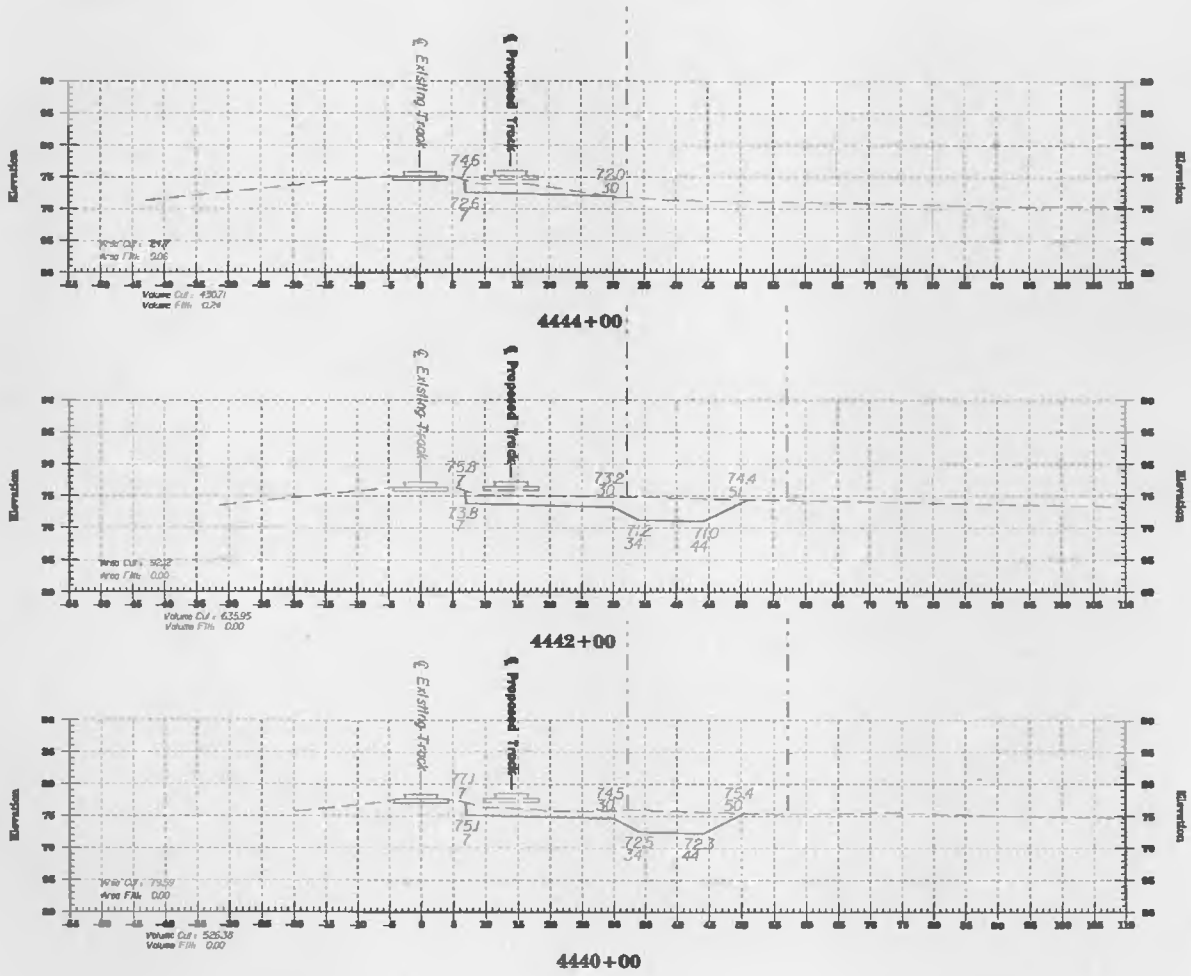
SANDUSKY DISTRICT DOUBLE TRACKING

MILEPOST S-77.8 TO S-88.4

CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

D. S. RCZ	FILE No. 107-4-6216	DATE 03/21/2000	
DR. RCZ	SHEET 123 OF	DWG No. TB-1999-86	



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

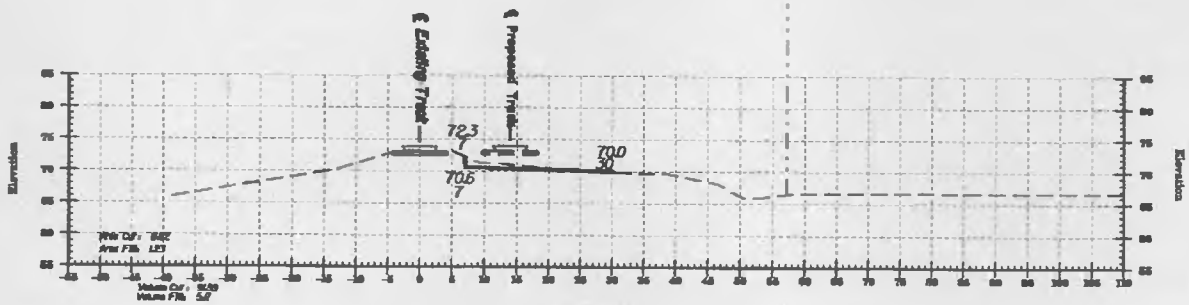
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

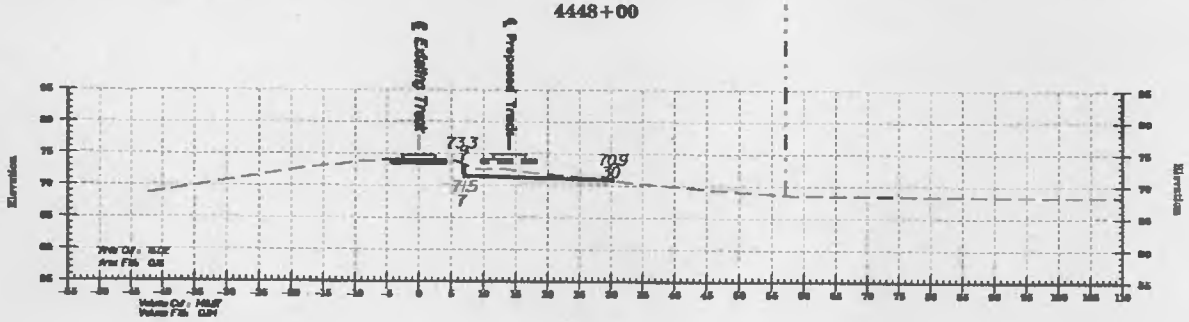
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 124 OF	DWG No. TB-1999-86



4448+00



4446+00

LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

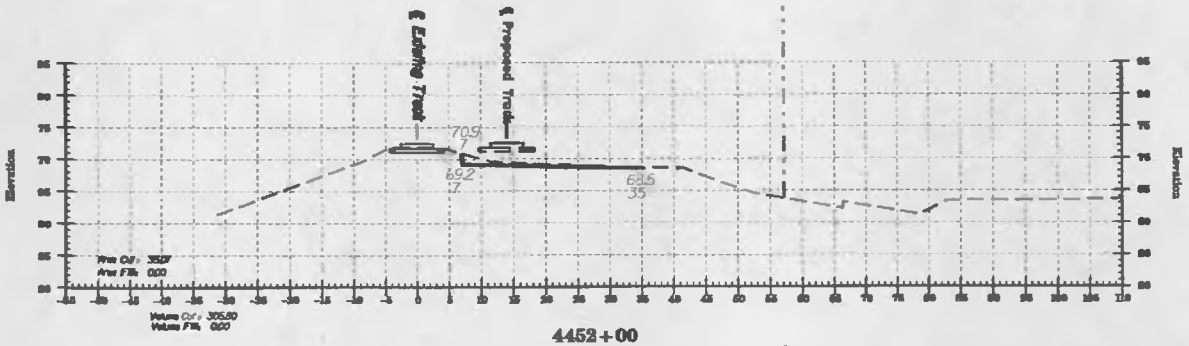
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

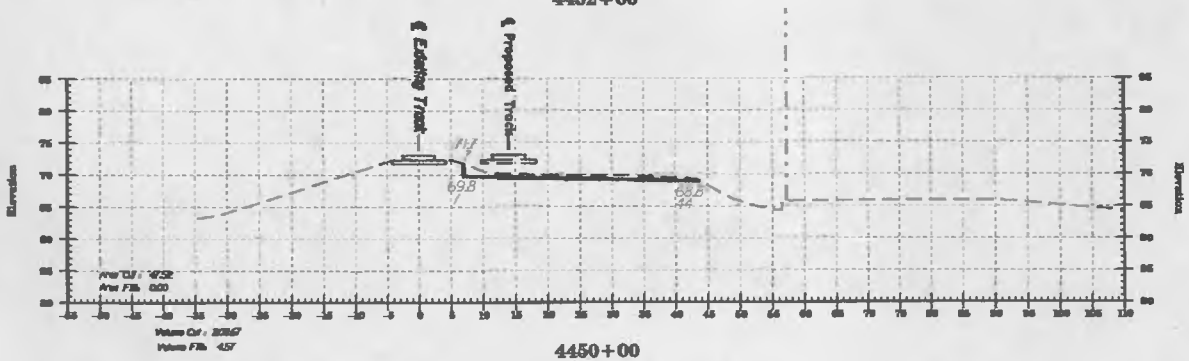
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-82.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107 I 6216	DATE 03/21/2000	
DR. RCZ	SHEET 125 OF	DWG No. TB-1999-86	



4452+00



4450+00

LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

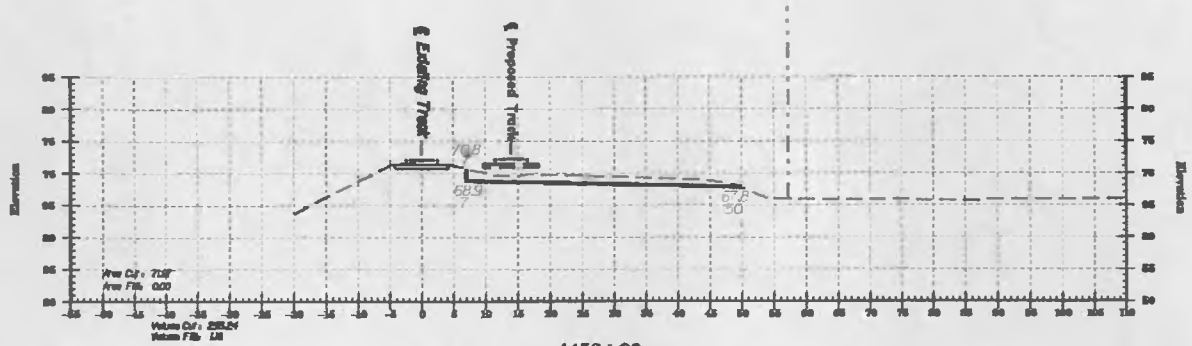
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

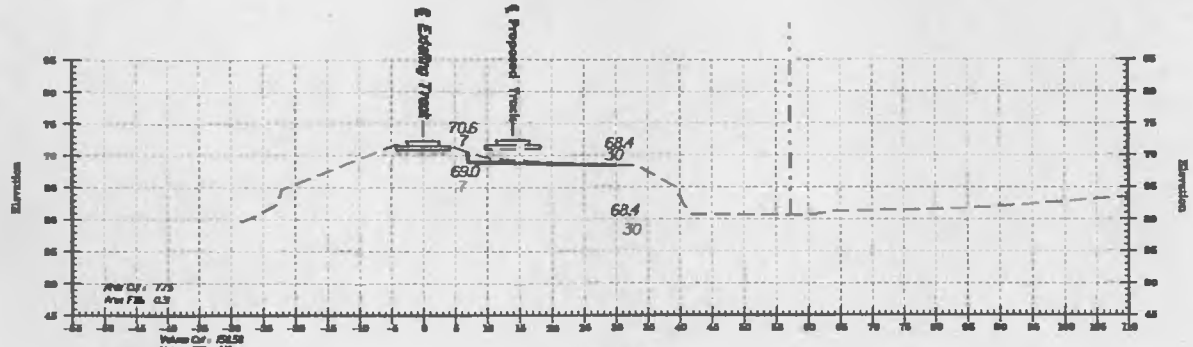
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 126 OF	DWG. No. TB-1999-86



4456+00



4454+00

LEGEND

Existing Surface	— — — —
Proposed Surface	———
Existing Property Line	— · · — · ·
Proposed Property Line	— · · — · ·

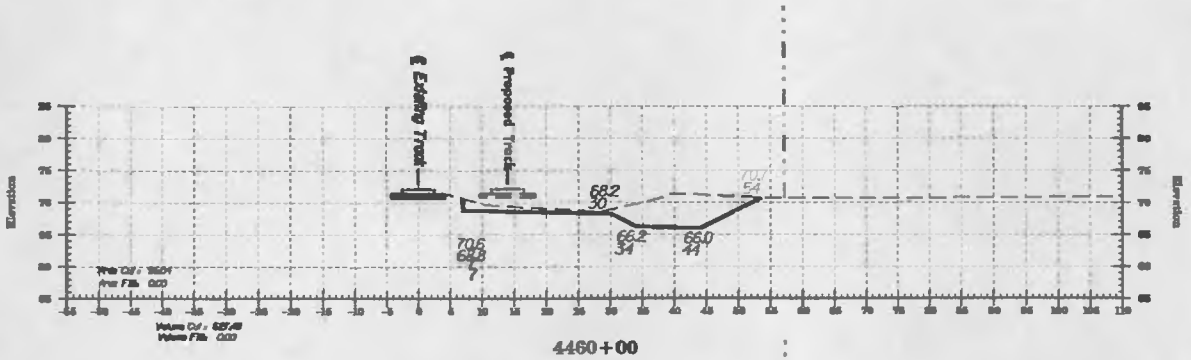
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV	DATE	BY	REVISION DESCRIPTION

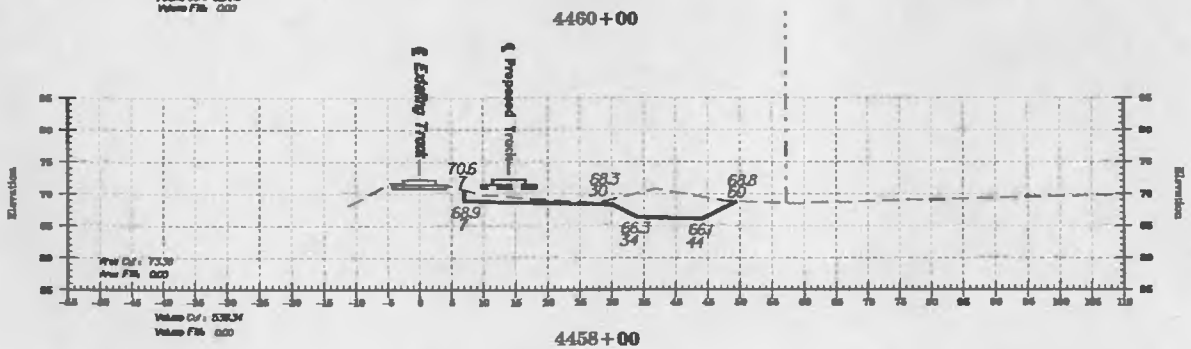
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES: RCZ	PROJ. NO. 107 1 6216	DATE 03/21/2000	
DW: RCZ	SHEET 127 OF	DWG NO. TB-1999-86	



4460+00



4458+00

LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

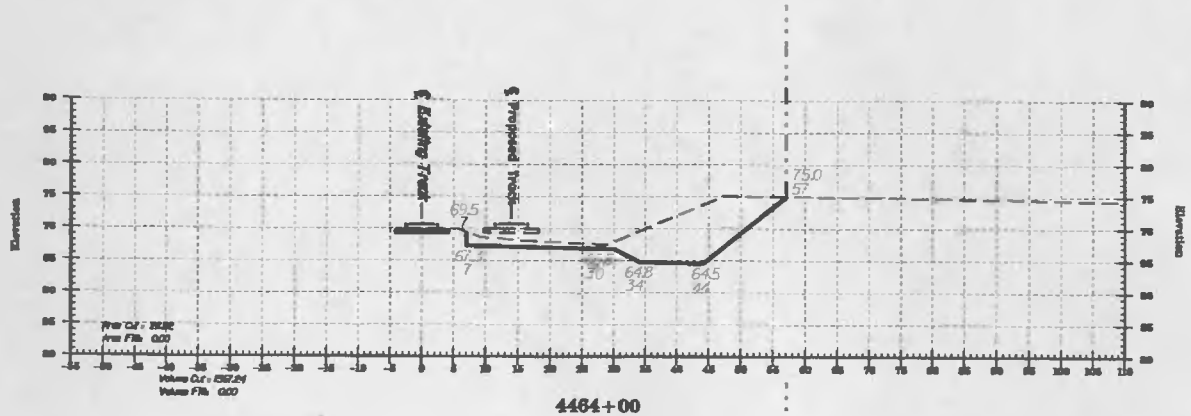
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV	DATE	BY	REVISION DESCRIPTION

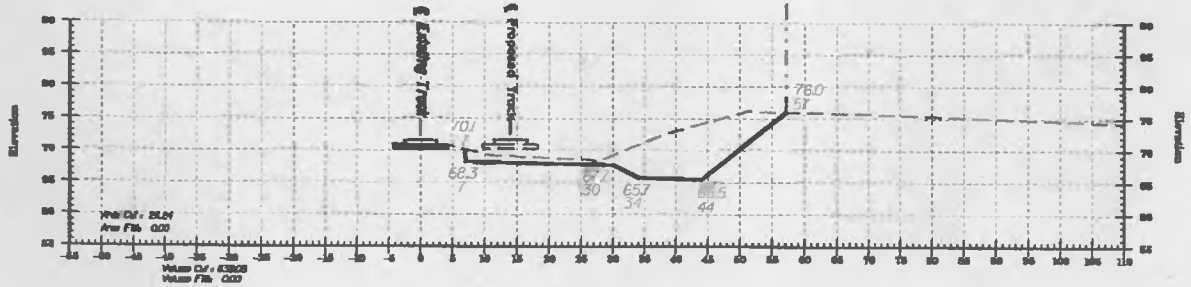
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107 I 6216	DATE	03/21/2000
DR. RCZ	SHEET 128 OF	DWG. NO.	TB-1999-86



4464+00



4462+00

LEGEND

Existing Surface	— — — —
Proposed Surface	———
Existing Property Line	— · · — · ·
Proposed Property Line	— · · — · ·

SCALES –

HORIZ: 1" = 20'

VERT: 1" = 20'

20 10 0

-10 0 10 20

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO

SANDUSKY DISTRICT DOUBLE TRACKING

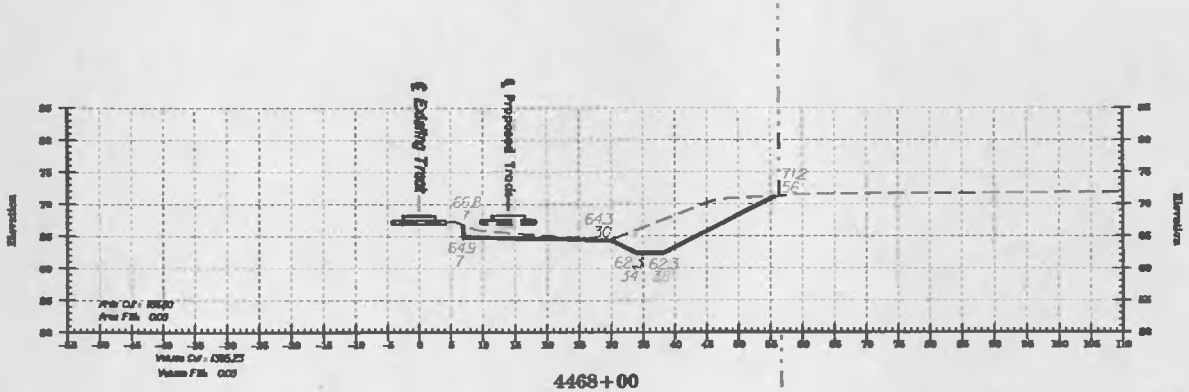
MILEPOST S-77.8 TO S-88.4

CROSS SECTIONS

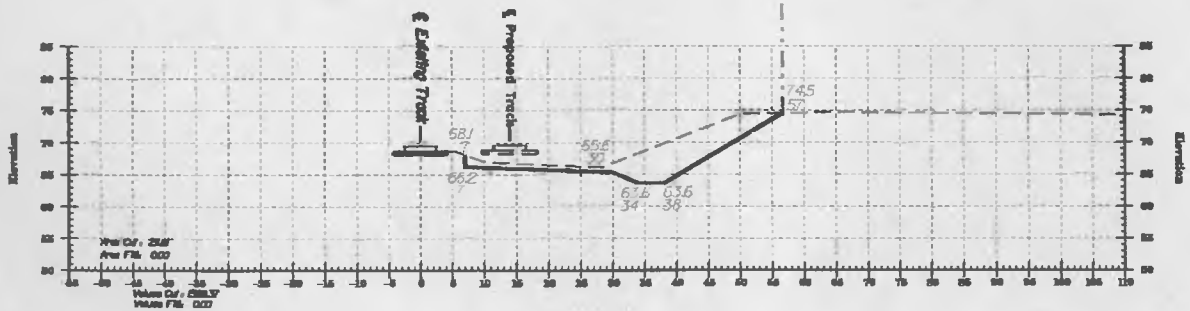
NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ | FILE No. 107 1 6216 | DATE 03/21/2000

DR. RCZ | SHEET 129 OF | DWG No. TB-1999 86



4468+00



4466+00

LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

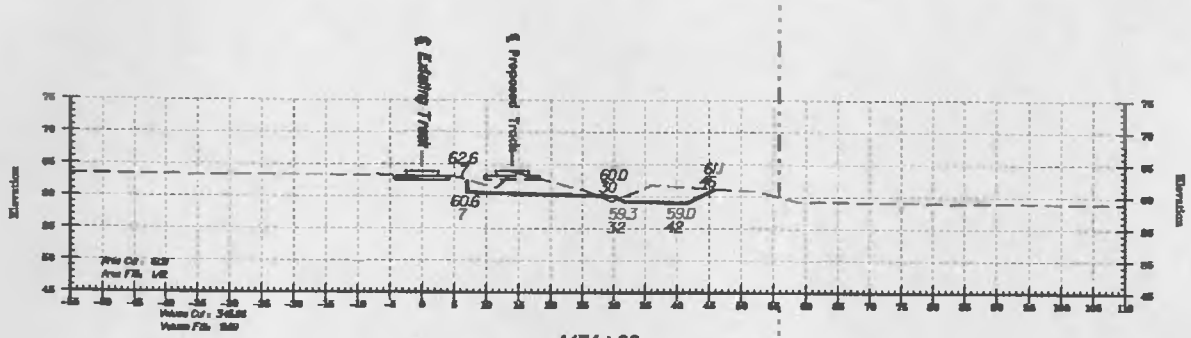
SCALES –
HORIZ. 1" = 20'
VERT. 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

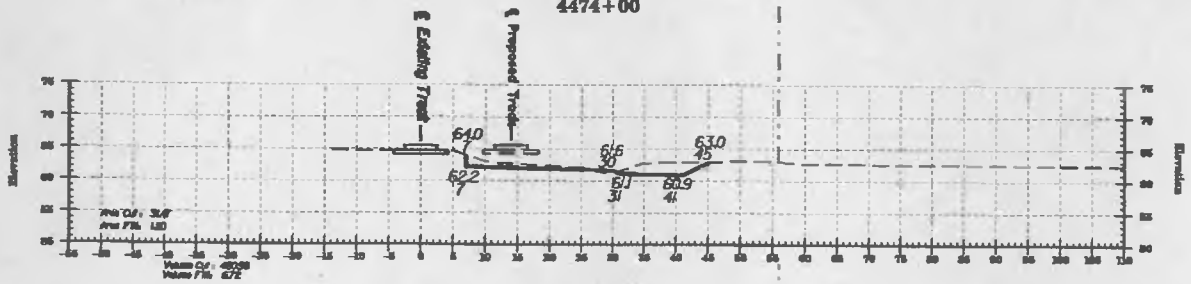
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-98.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

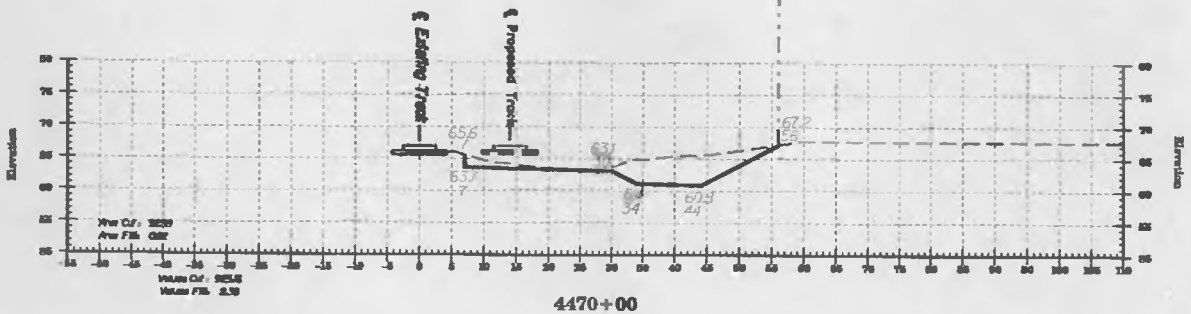
U.S. RCZ	W.O. No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 130 OF	DWG. NO. TB-1999-86



4474+00



4472+00



4470+00

LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

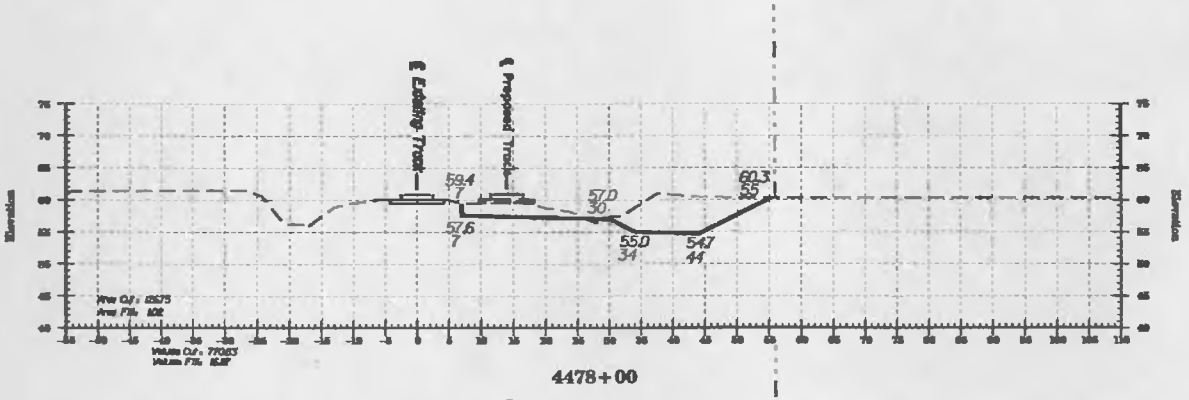
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

NO.	DATE	BY	REVISION DESCRIPTION

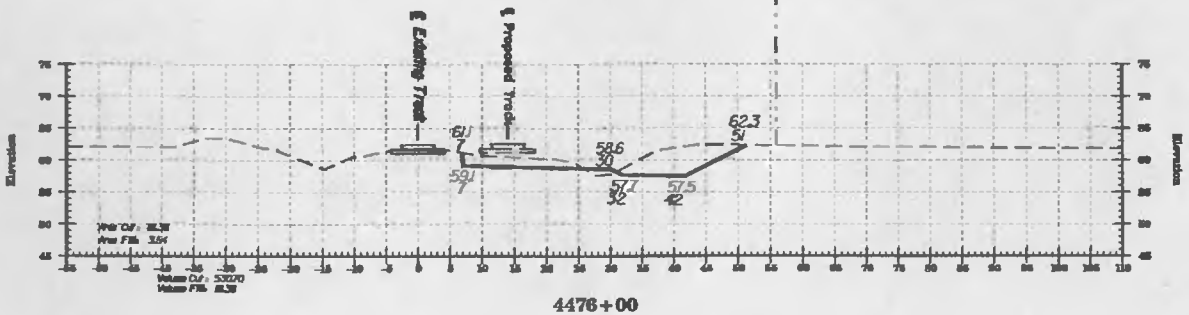
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-81.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000	
DR. RCZ	SHEET 131 OF	DWG. NO. TB-1999-86	



4478+00



4476+00

LEGEND

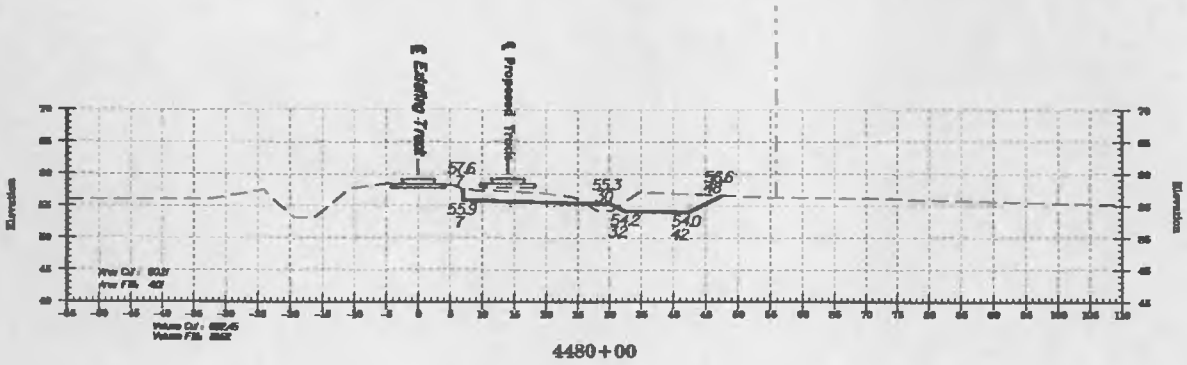
- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

SCALES –
HORIZ. 1" = 20'
VERT. 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-80.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION		OFFICE OF CHIEF ENGINEER
DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 132 OF	DW. NO. TB-1999-86



4480+00

LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

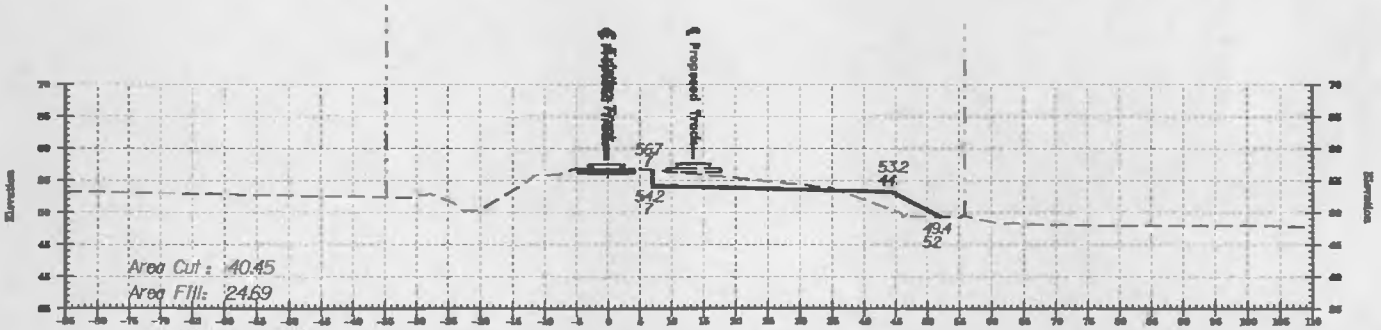
20 10 0 -10 0 10 20

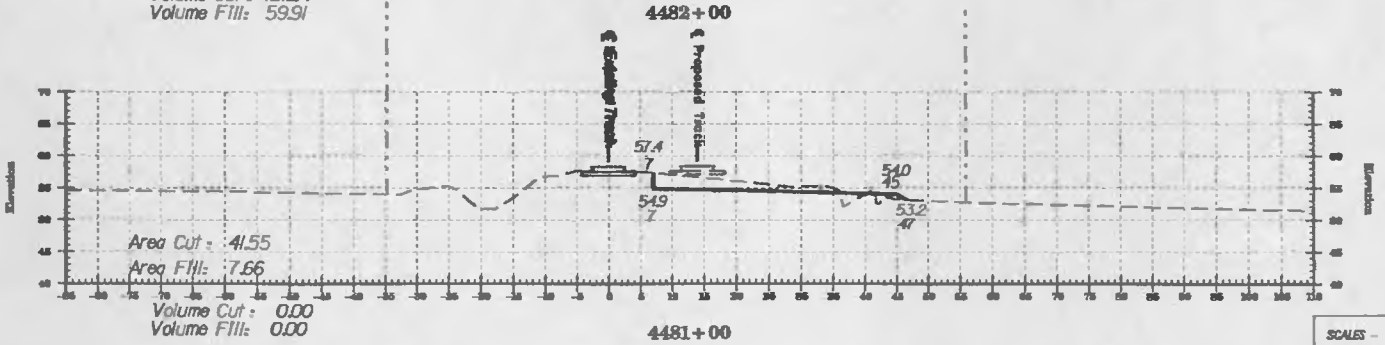
REV	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE	03/21/2000
DR. RCZ	SHEET 133 OF	W.O. NO.	TB-1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

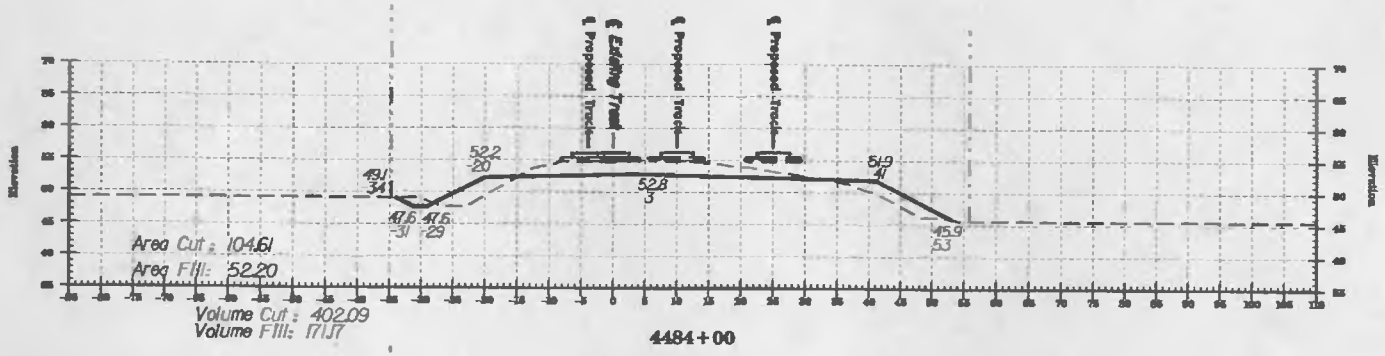
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

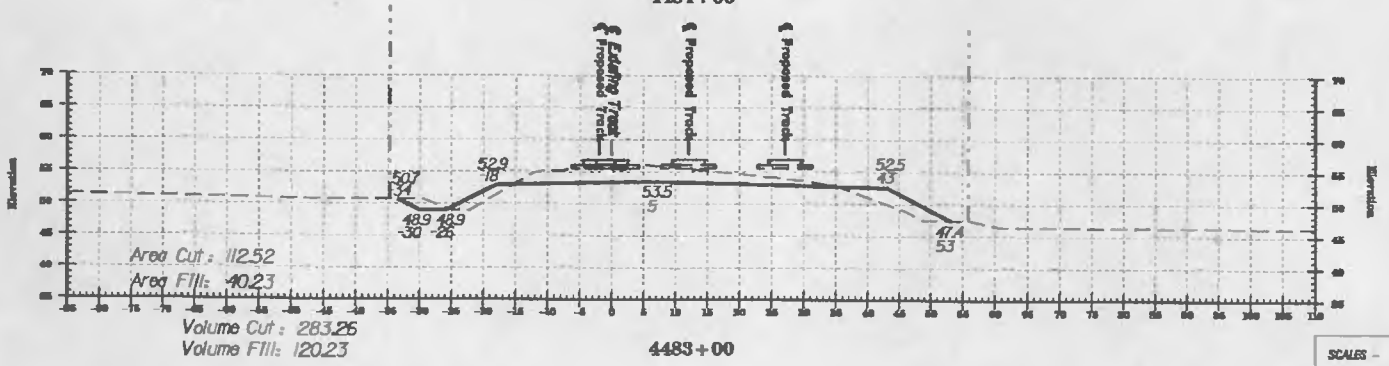
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-98.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 34 OF	DWG. NO. TB-1999-86



4484+00



4483+00

LEGEND

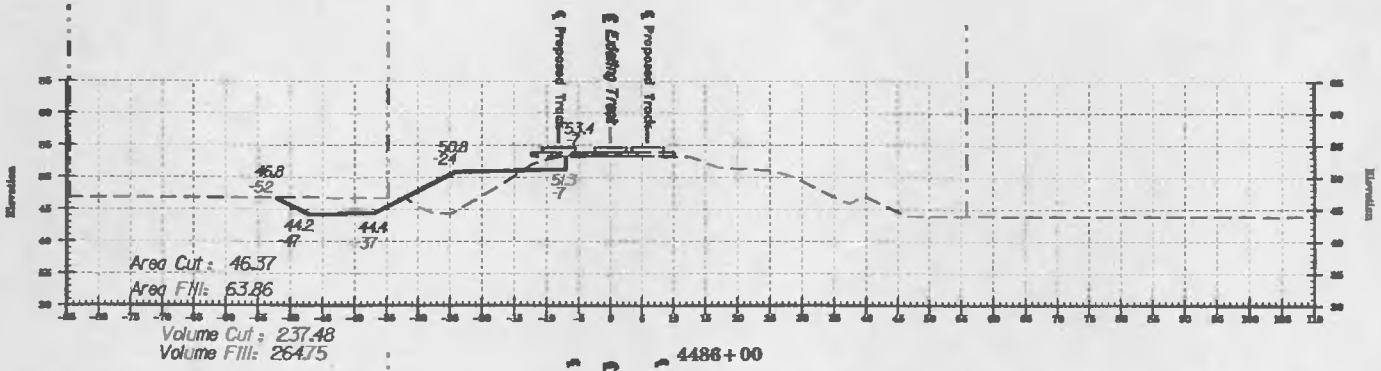
- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

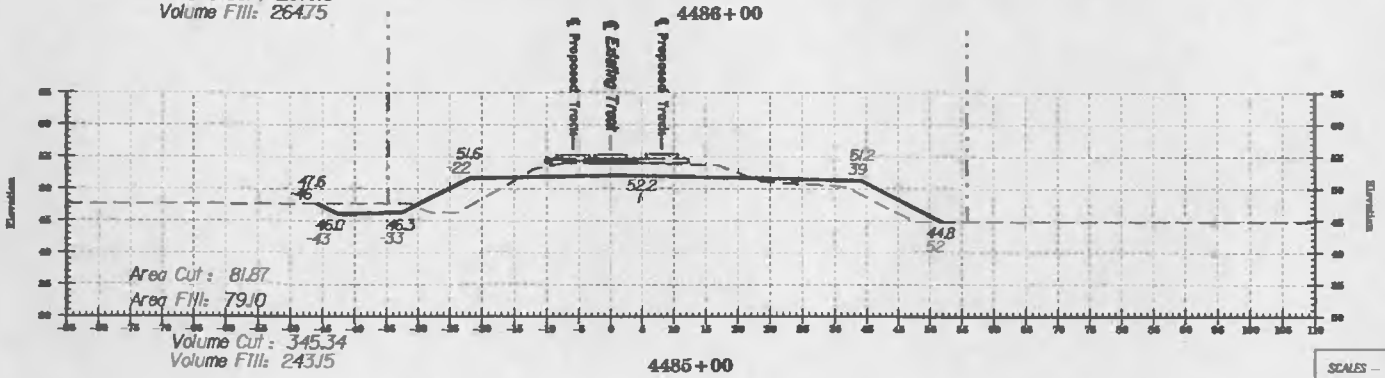
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION

REV	DATE	BY	REVISION DESCRIPTION
DES. RCZ	FILE NO. 101-1-6216	DATE 03/21/2000	
DR. RCZ	SHEET 135 OF	DWG No. TB-1999-86	





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

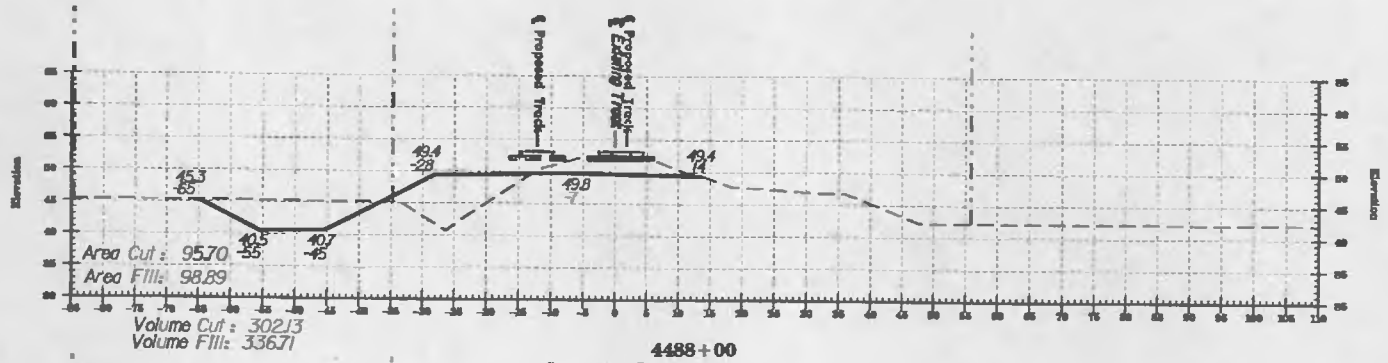
SCALES —
HORIZ: 1" = 20'
VERT: 1" = 20

NO.	DATE	BY	REVISION DESCRIPTION

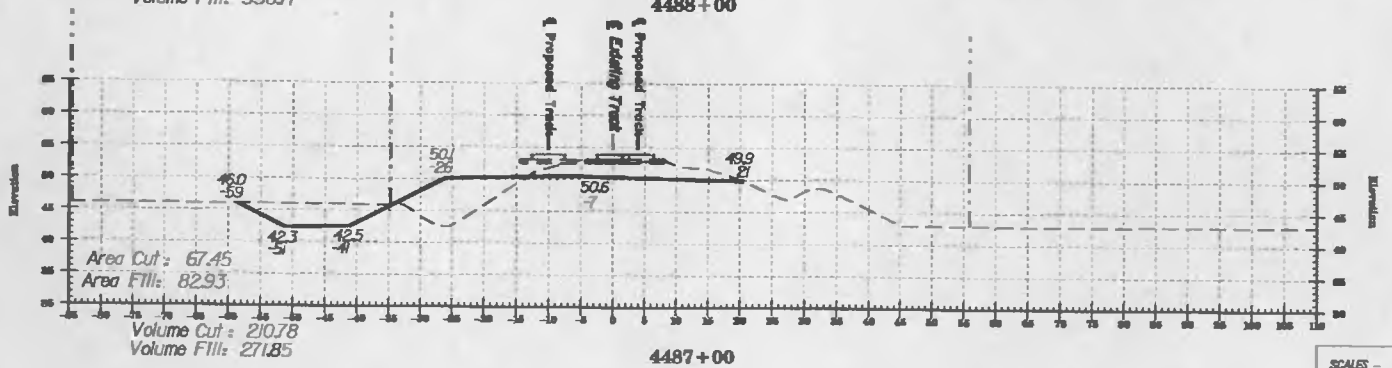
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	PROJECT NO. 107-1-6216	DATE	03/21/2000
DR. RCZ	CK. 136		TB 1999 86



4488+00



4487+00

LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

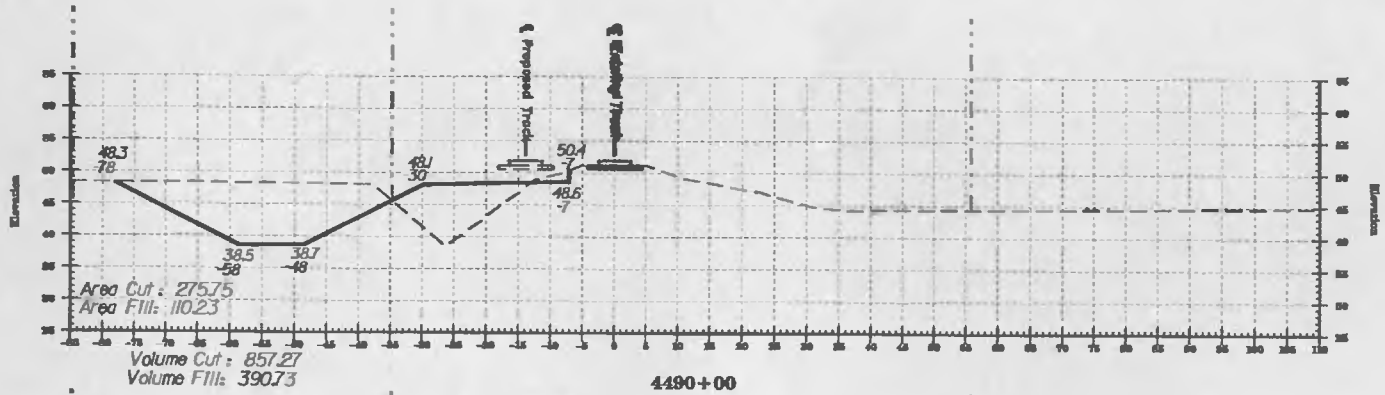
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

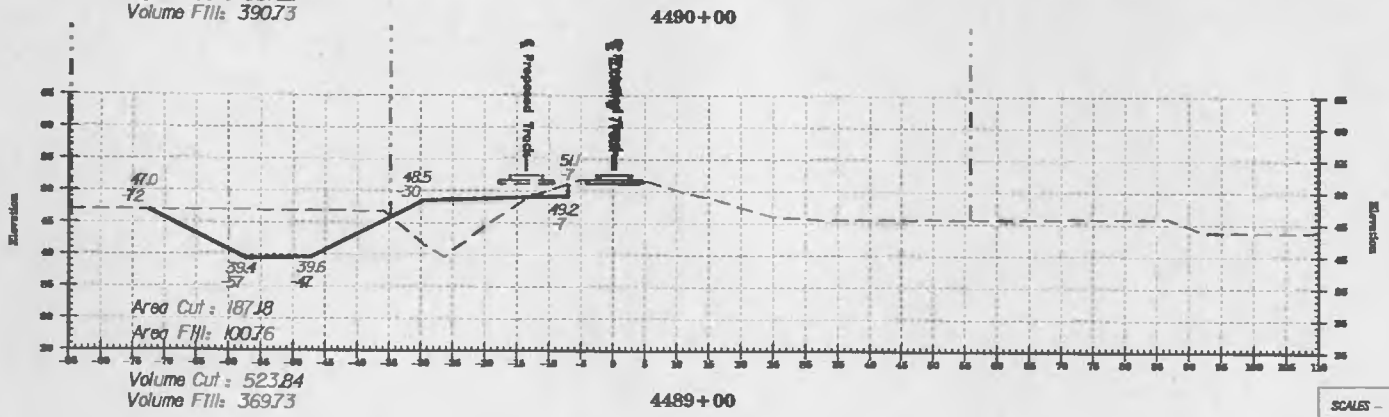
NO.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET NO. 137 OF	DWG. NO. TB-1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

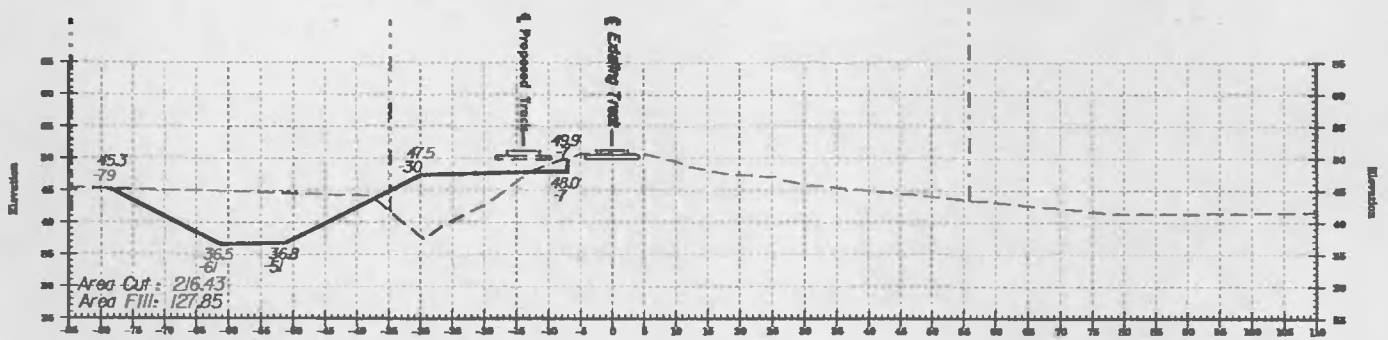
SCALES –
HORIZ. 1" = 20'
VERT. 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 138 OF	DR. NO. TB-1999-86



4491+00

Volume Cut : 911.44
Volume Fill: 440.90

LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

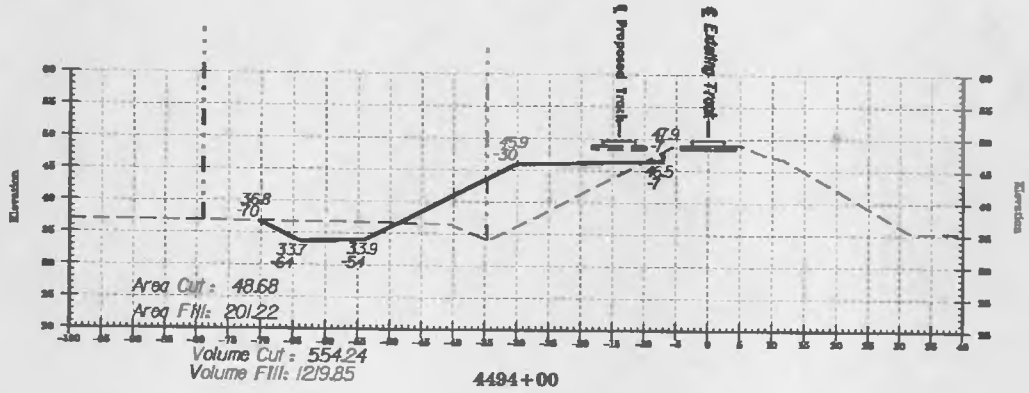
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

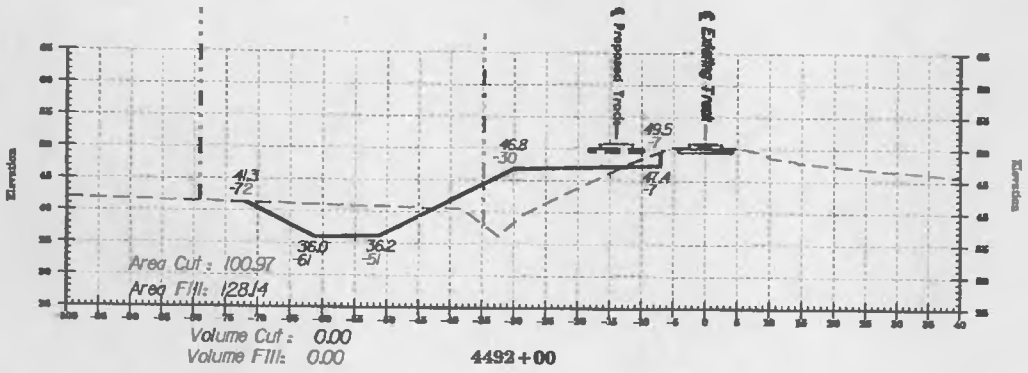
NO.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	CAD FILE NO. 107-1-6216	DATE	03/21/2000
DR. RCZ	SHEET 139 OF	DWG NO.	TB-1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

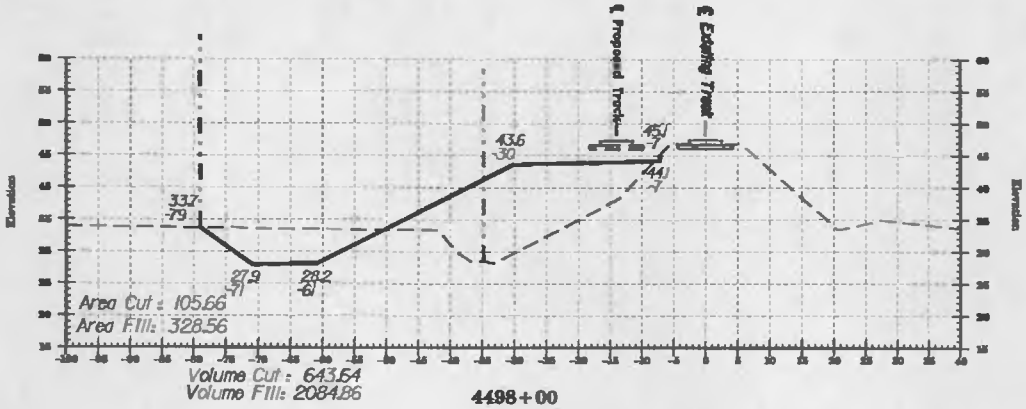
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

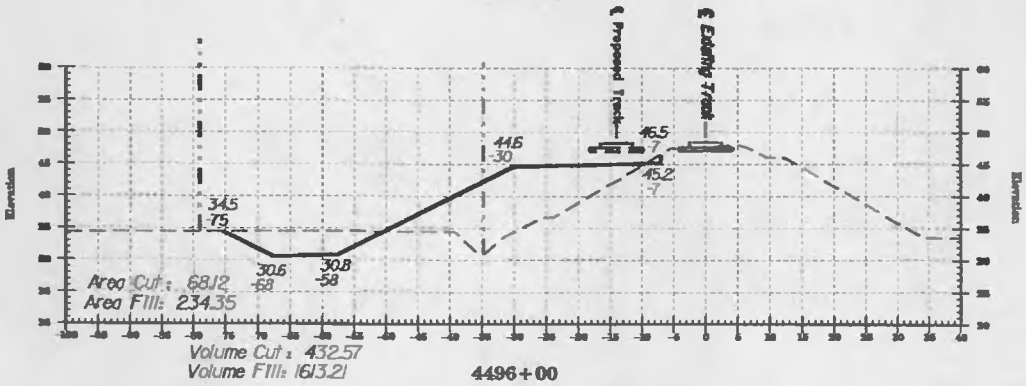
REV	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	File No. 107-1-6216	DATE 03/21/2000	
DR. RCZ	SHT. 140	ENG. No. TB-1999-86	





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

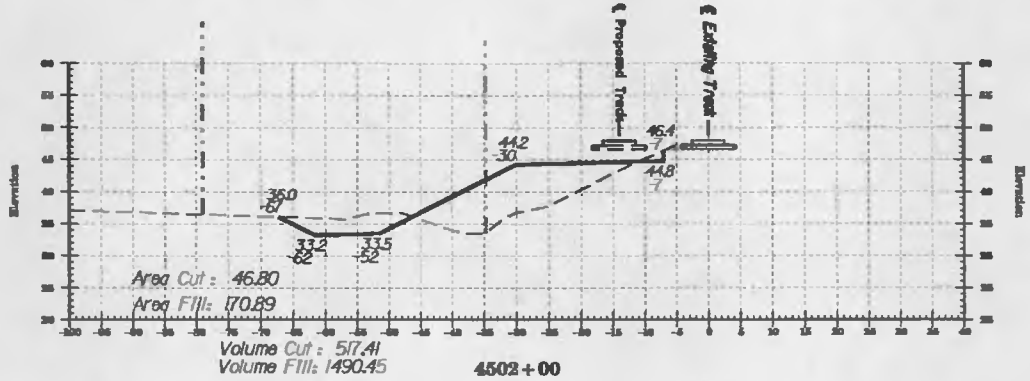
SCALES
HORIZ: 1" = 20'
VERT: 1" = 20'

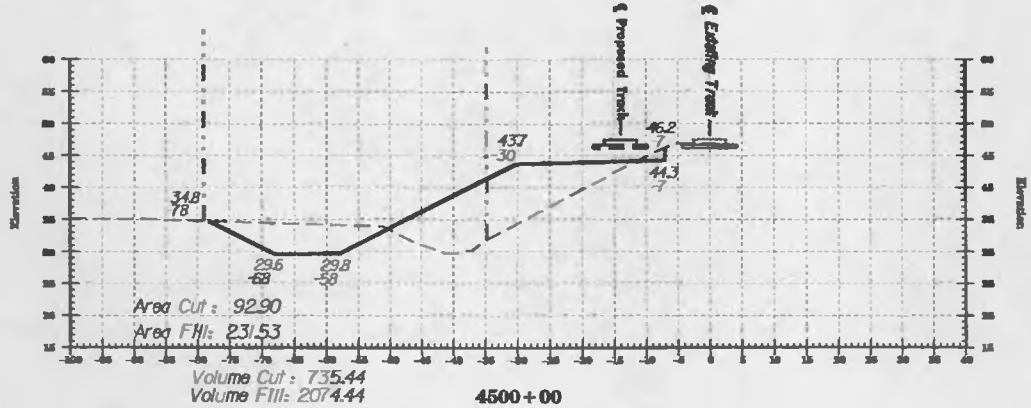
REV	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	UTY No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHT. 141 OF	DWG. NO. TB-1999-86





LEGEND

Existing Surface	— — — —
Proposed Surface	———
Existing Property Line	— · — · —
Proposed Property Line	— · · — · ·

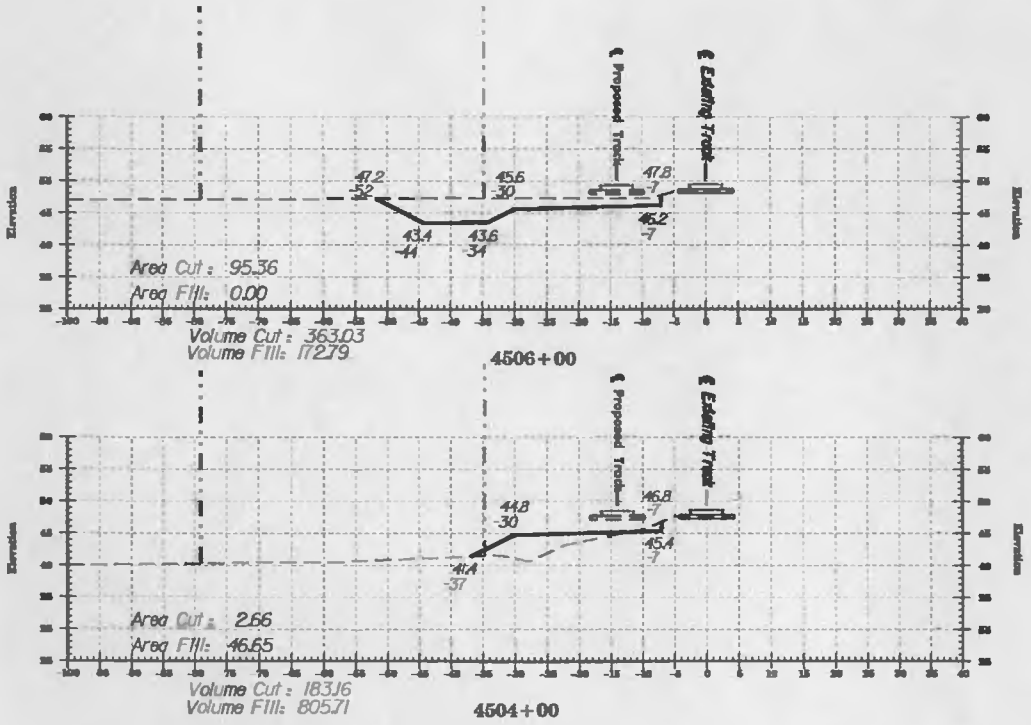
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

NO.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DRN. RCZ	TRACE NO. 107-1-6216	DATE 03/21/2000
CHK. RCZ	SHEET 142 OF	DWG. NO. TB-1999-86



LEGEND

Existing Surface	— — — —
Proposed Surface	———
Existing Property Line	— · · — · ·
Proposed Property Line	— · · — · ·

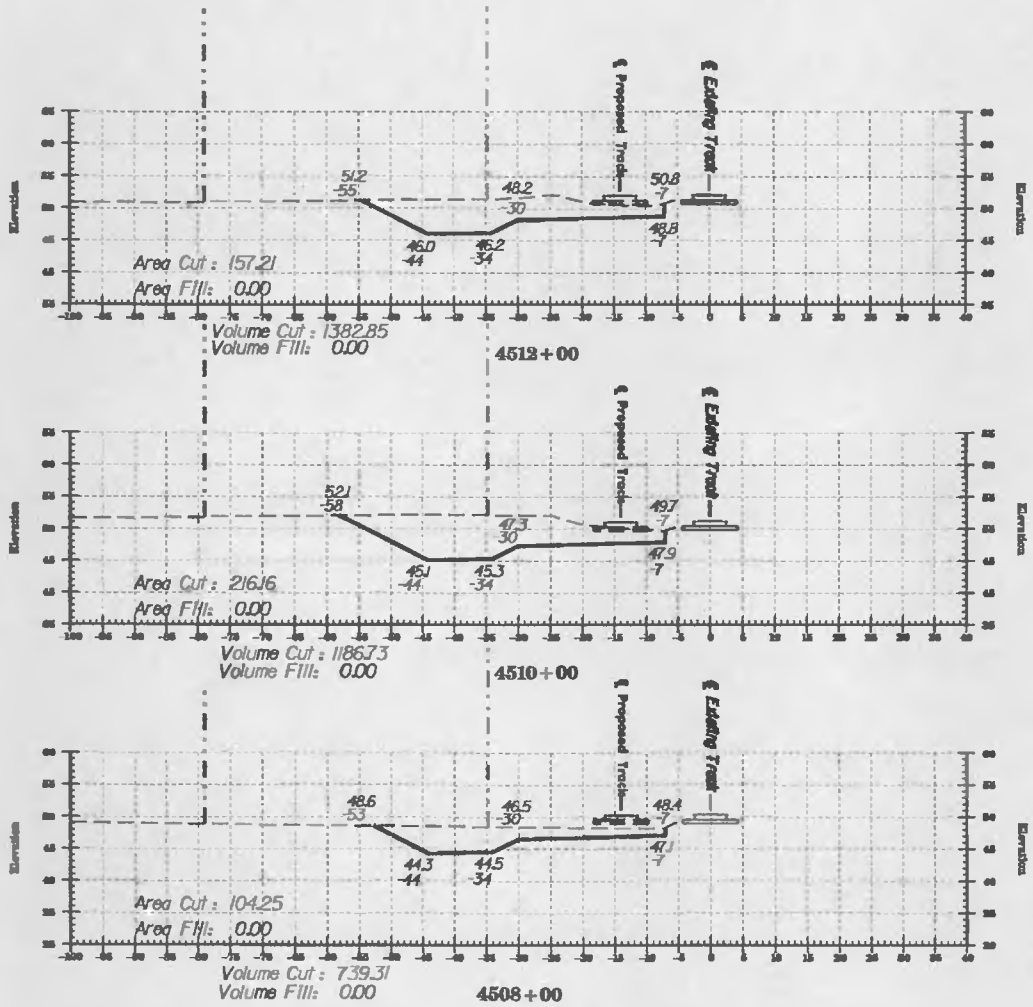
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 143 OF	DWG No. TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

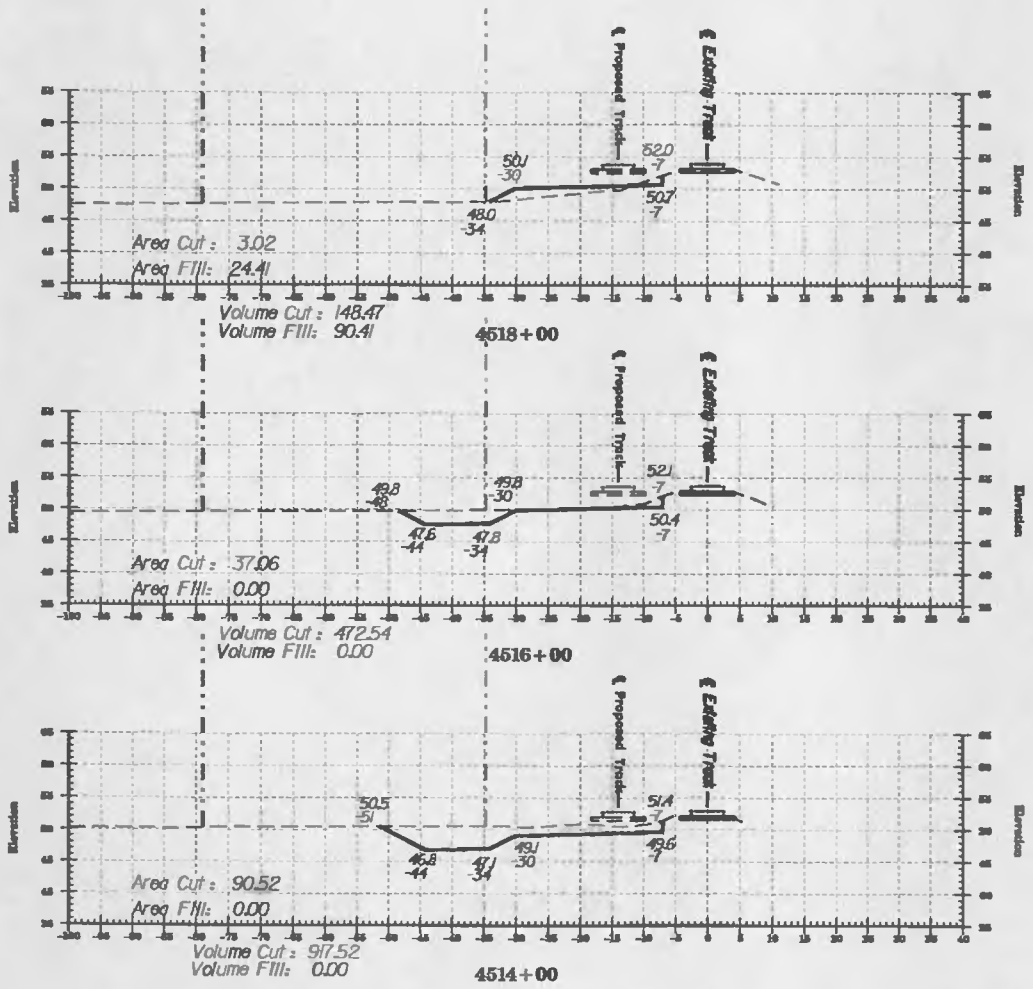
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107 I 6216	DATE 03/21/2000
DR. RCZ	SHEET 144 OF	DWG No. TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

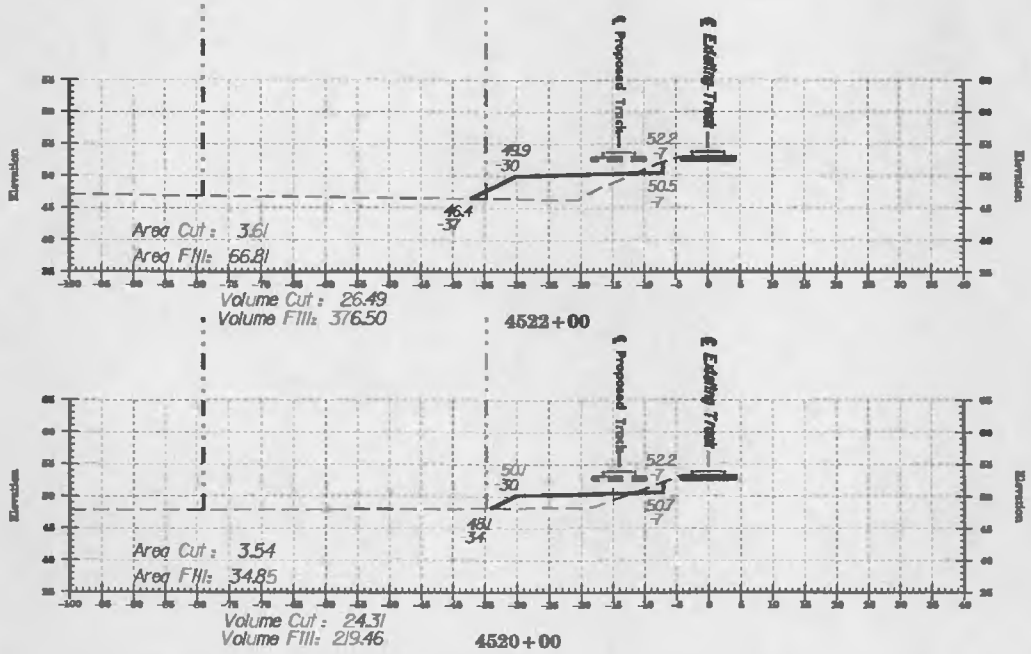
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

BY	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	PROJ. No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 145 OF	DWG. No. TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

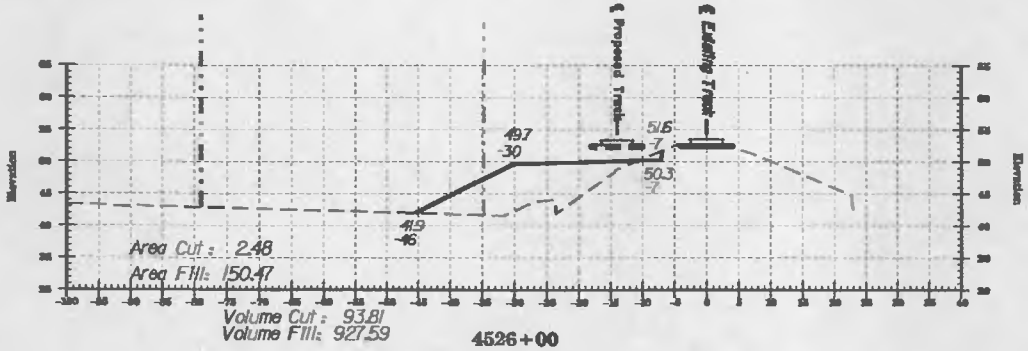
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

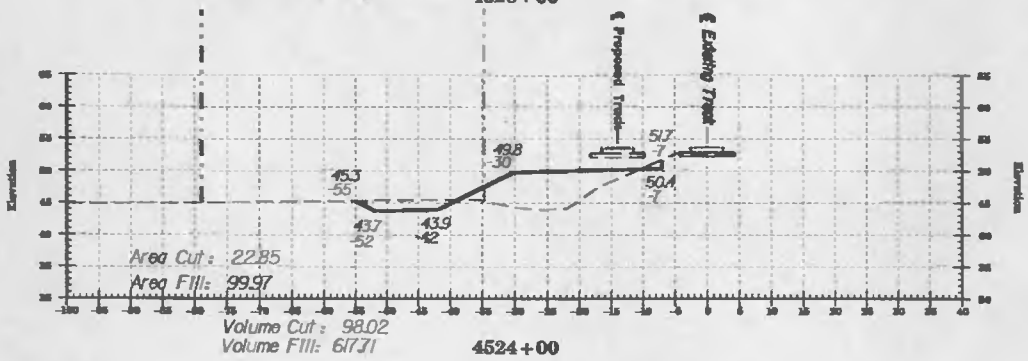
REV	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DR. RCZ	FILE No. 107-1-6216	DATE	03/21/2000
DR. RCZ	SHEET 146 OF	DWG No.	TB-1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

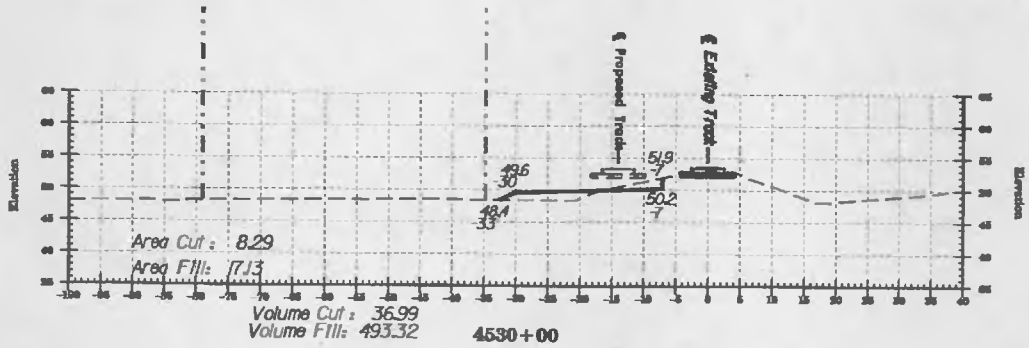
SCALES –
HORIZ. 1" = 20'
VERT. 1" = 20'

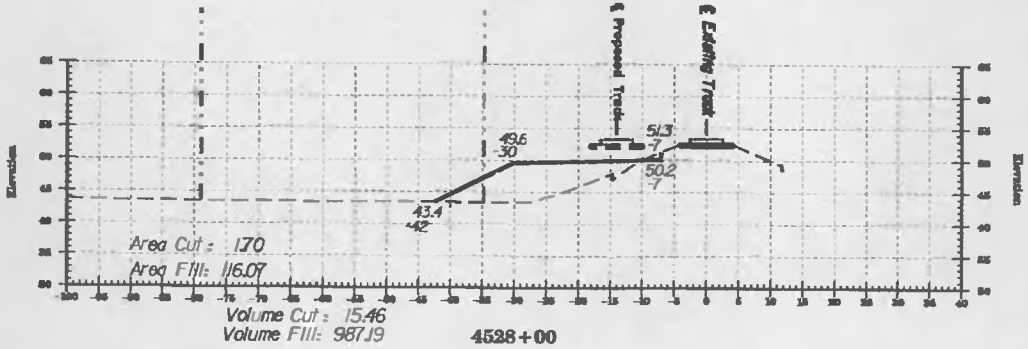
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-98.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 147 OF	DWG. No. TB-1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

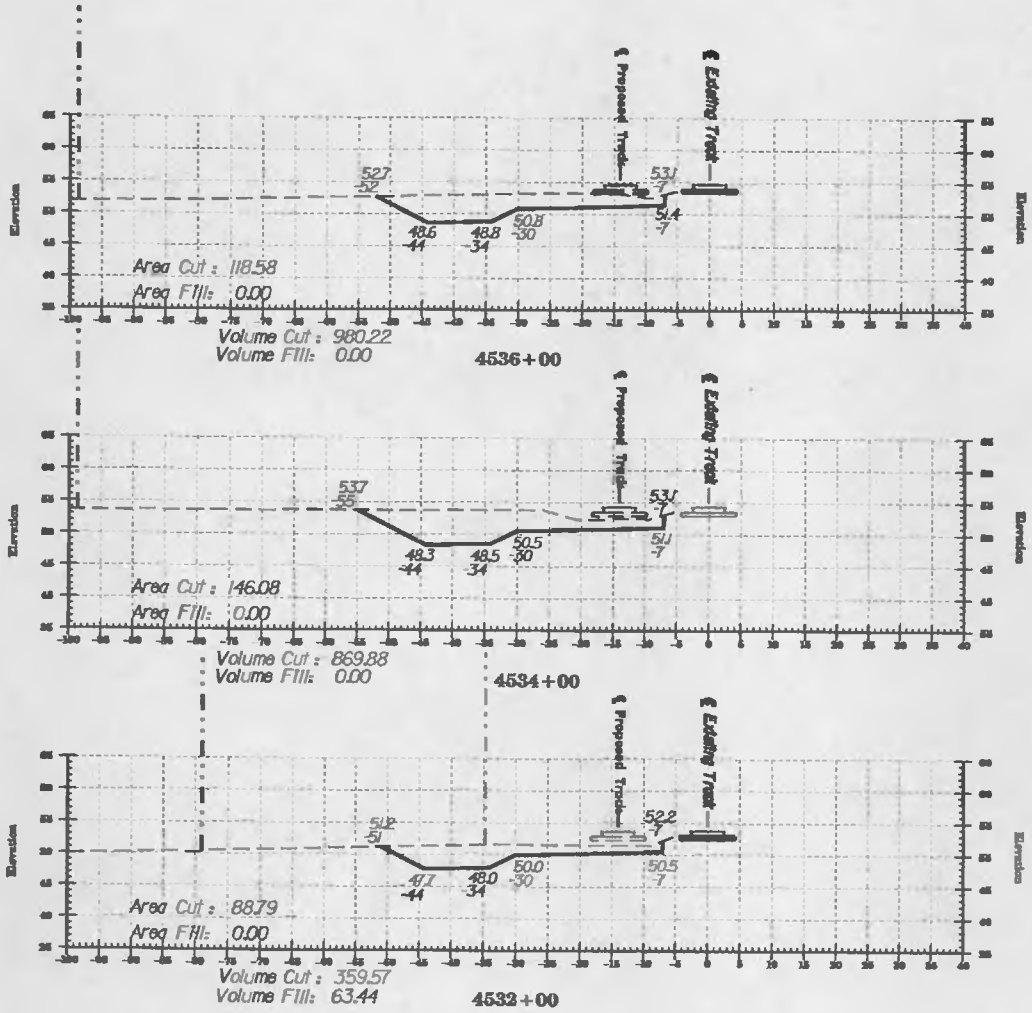
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

NO.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE	03/21/2000
DR. RCZ	SHEET NO. 148 OF	DWG NO.	TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

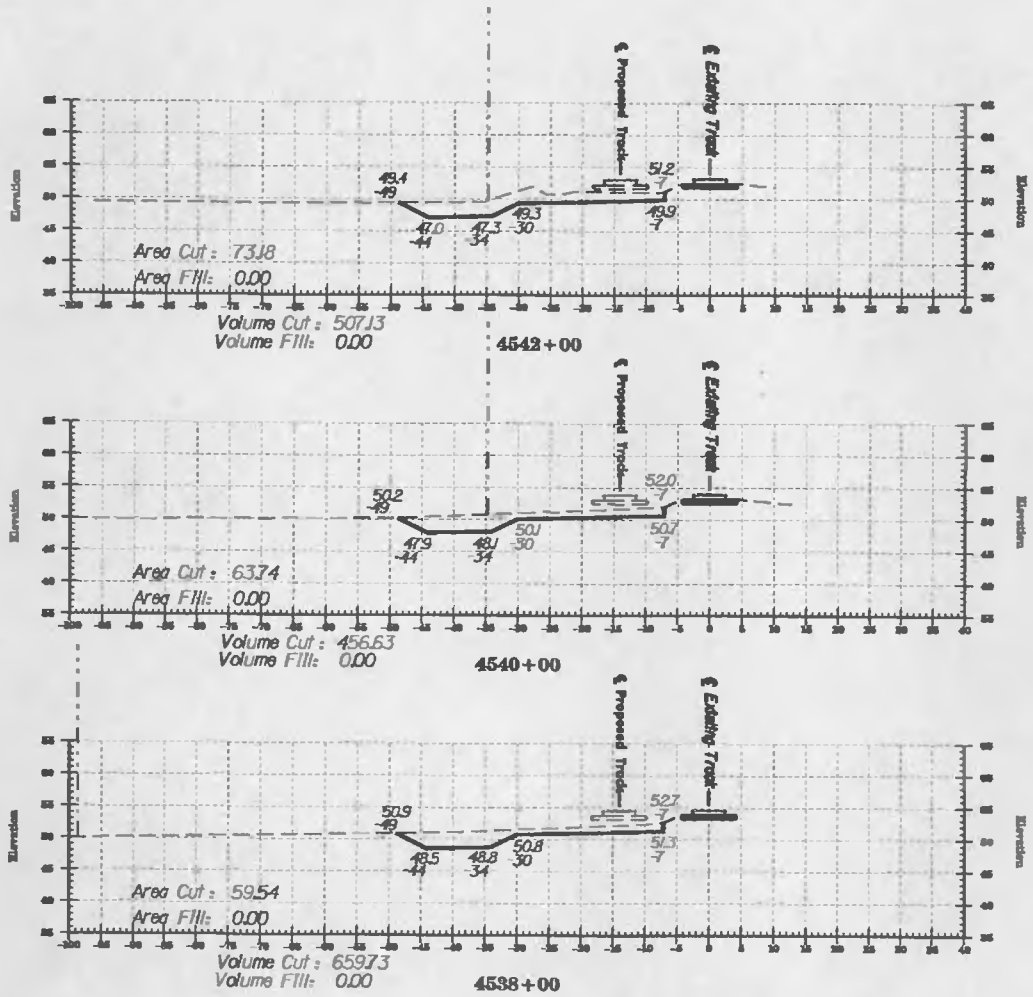
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

NO.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-98.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — COPYRIGHT BY NORFOLK SOUTHERN CORPORATION

DES. RCZ	J.O. NO. 107 I 6216	DATE 03/21/2000
DR. RCZ	SHEET NO. 149 OF	CAD FILE NO. TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

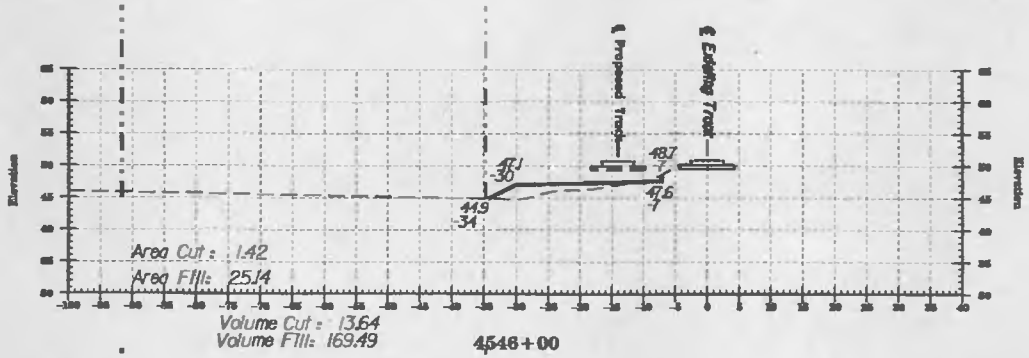
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

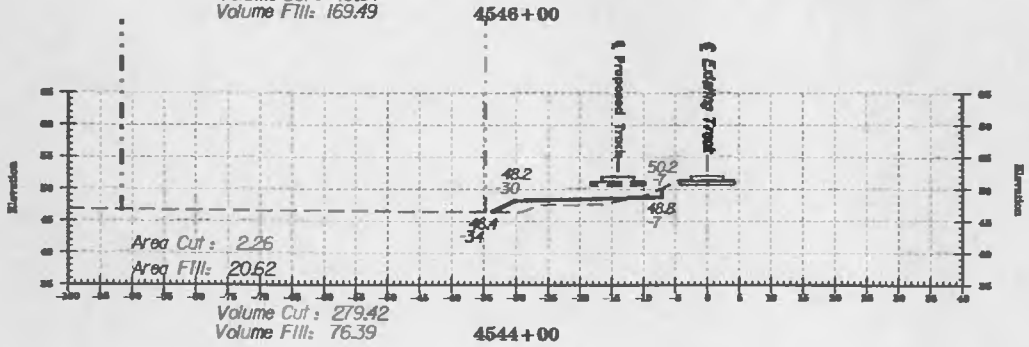
REV.	SCALE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-81.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107 I 6216	DATE 03/21/2000	
DR. RCZ	CHART 150 U	TB-1999-86	





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

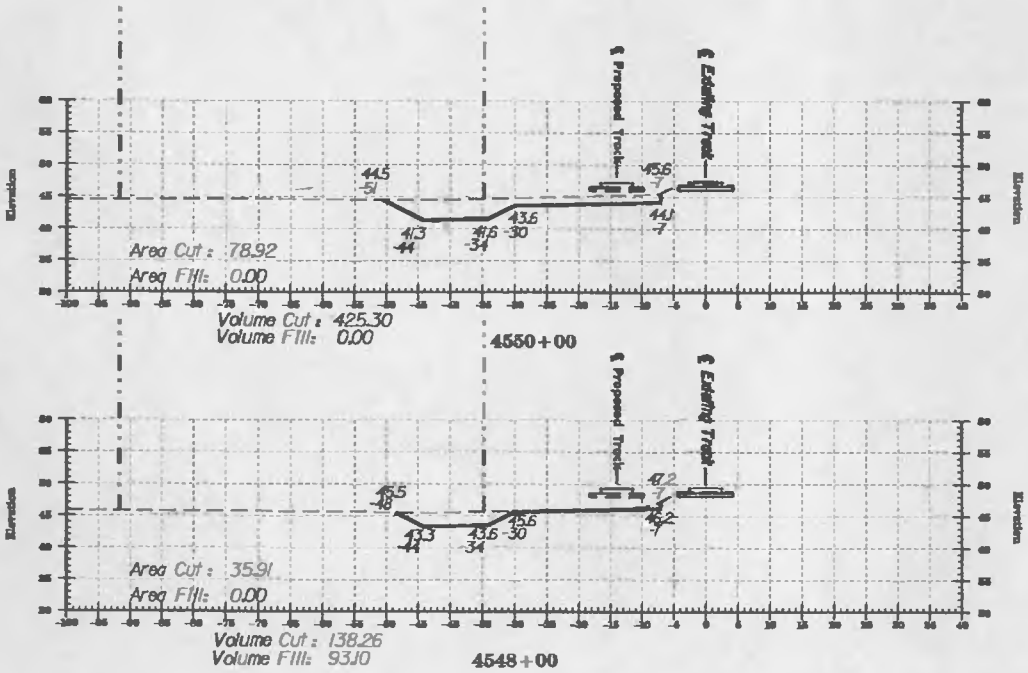
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 151 OF	DWG. NO. TB-1999-06



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

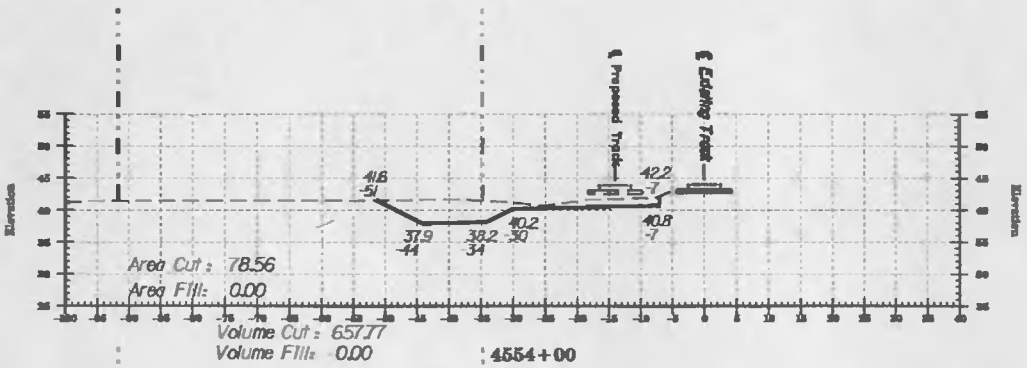
20 10 0 10 20

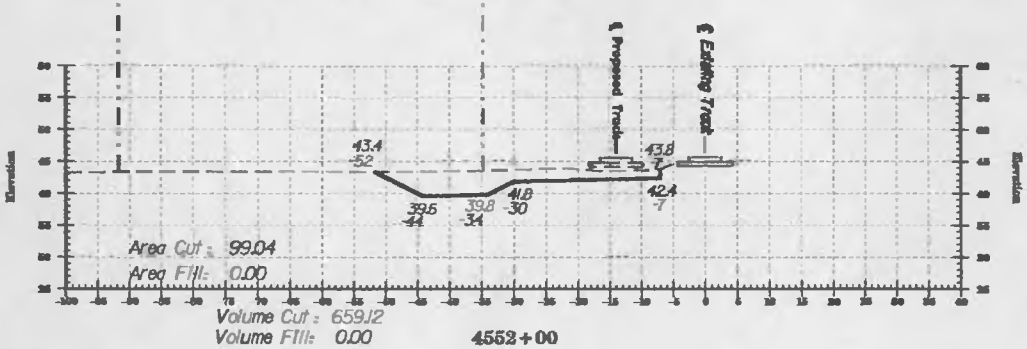
NO.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-82.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 152 OF	DWG. No. TB-1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

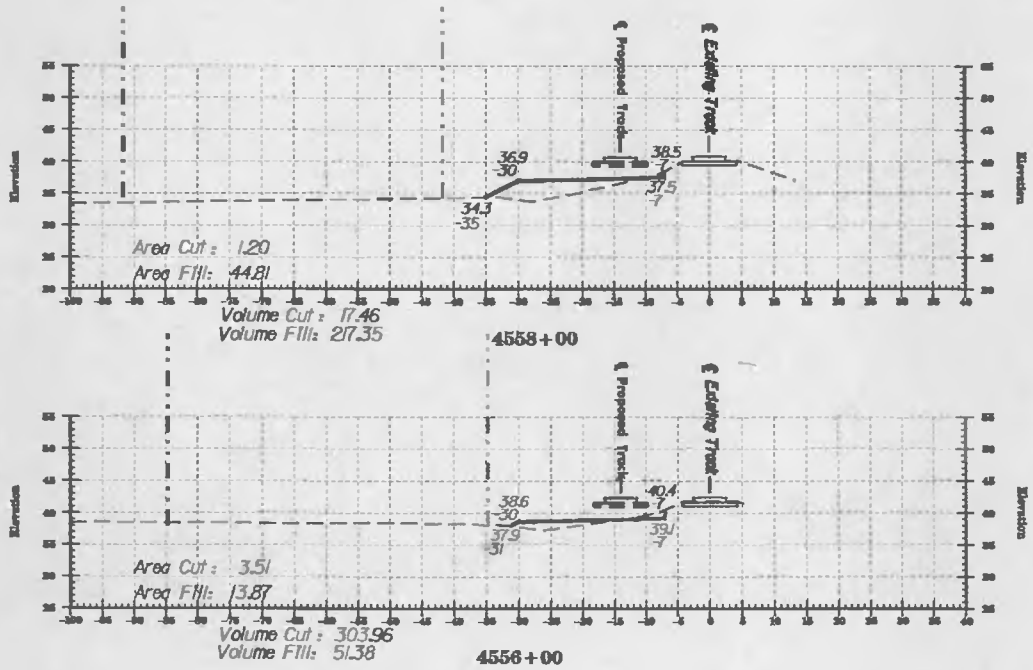
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 153 OF	TWO No. TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

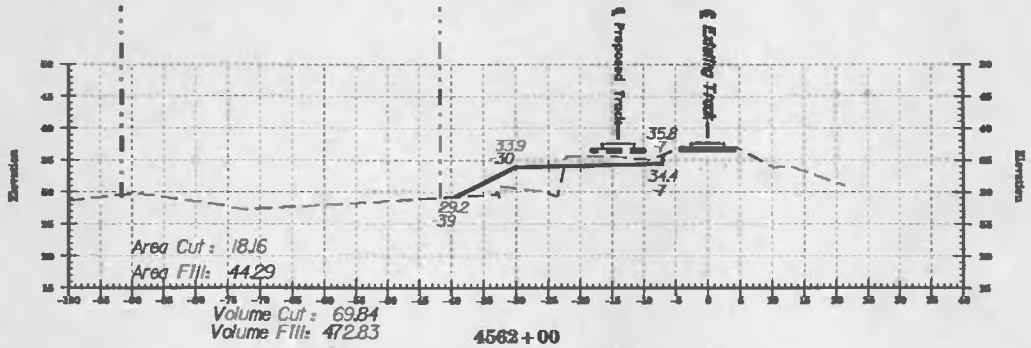
20 10 0 10 20

MK	DATE	BY	REVISION DESCRIPTION

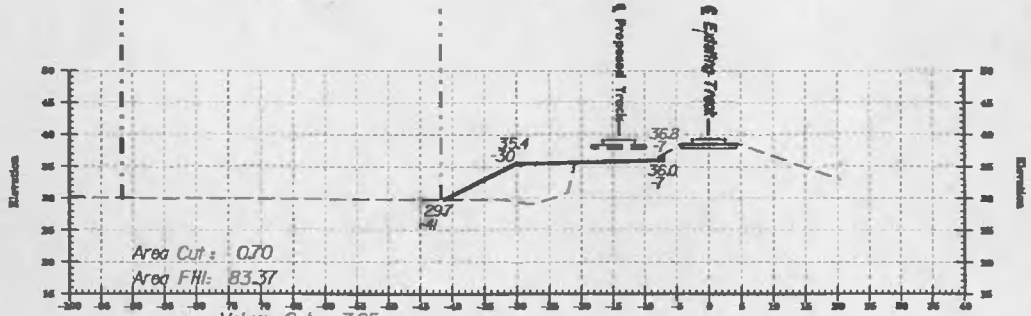
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-86.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 154 OF	DWG. NO. TB-1999-86



4562+00



4560+00

LEGEND

Existing Surface	
Proposed Surface	
Existing Property Line	
Proposed Property Line	

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

-10 0 10 20

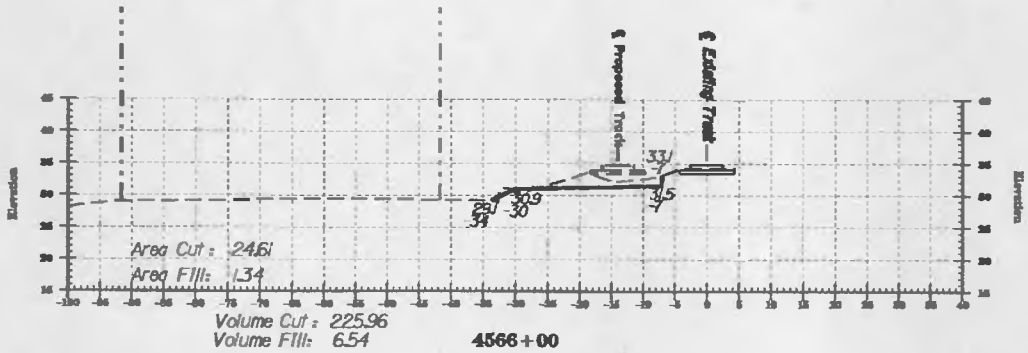
20
10
0

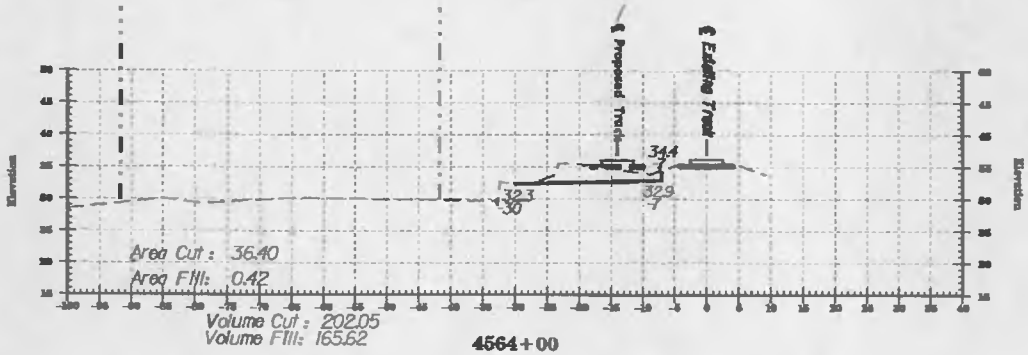
NO.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-86.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	SCALE No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 155 OF	DWG No. TB-1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

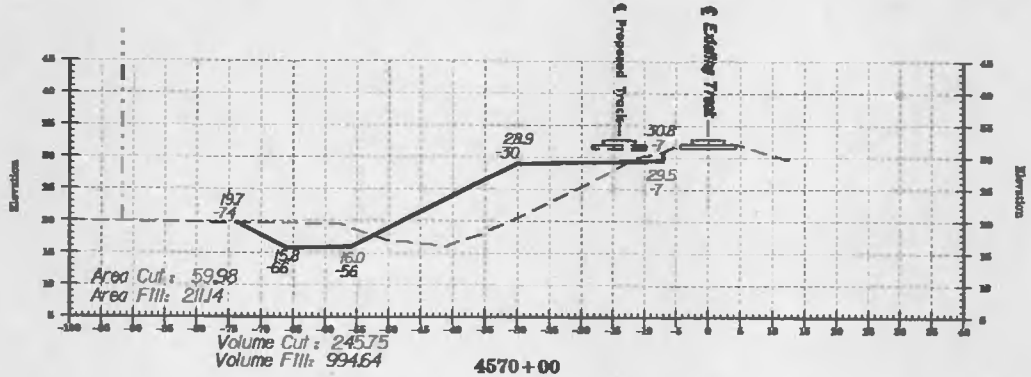
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES.	RCZ	UNIT NO. 107-1-6216	DATE 03/21/2000
DR.	RCZ	SHEET 156 of	DWG. NO. TB-1999-06



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

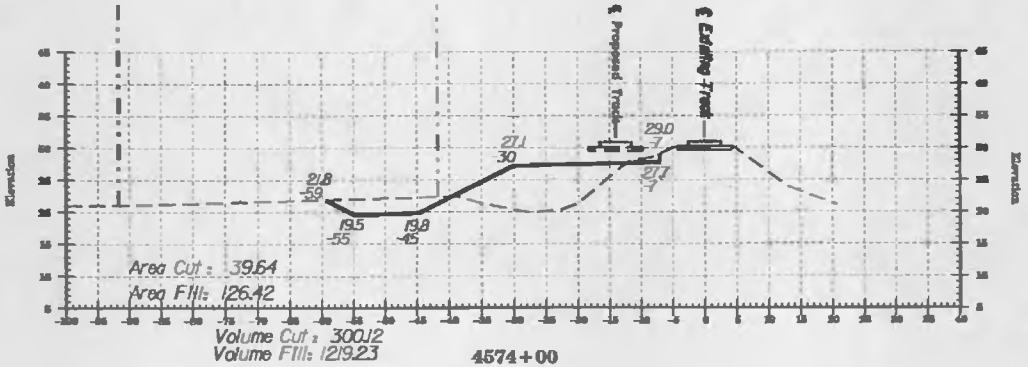
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV	DATE	BY	REVISION DESCRIPTION

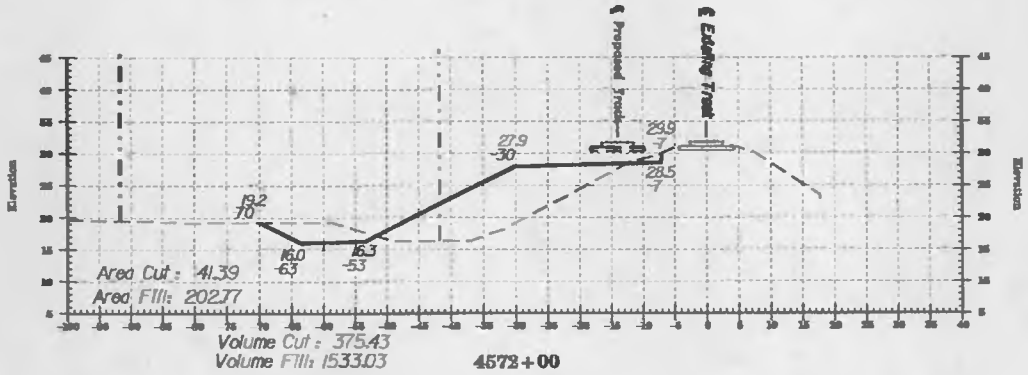
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-82.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107 I 6216	DATE: 03/21/2000
DWN. RCZ	SHEET 157 OF	PROJECT NO. TB-1999-86



4574+00



4572+00

LEGEND

Existing Surface	— — — —
Proposed Surface	———
Existing Property Line	— · · — · ·
Proposed Property Line	— · · — · ·

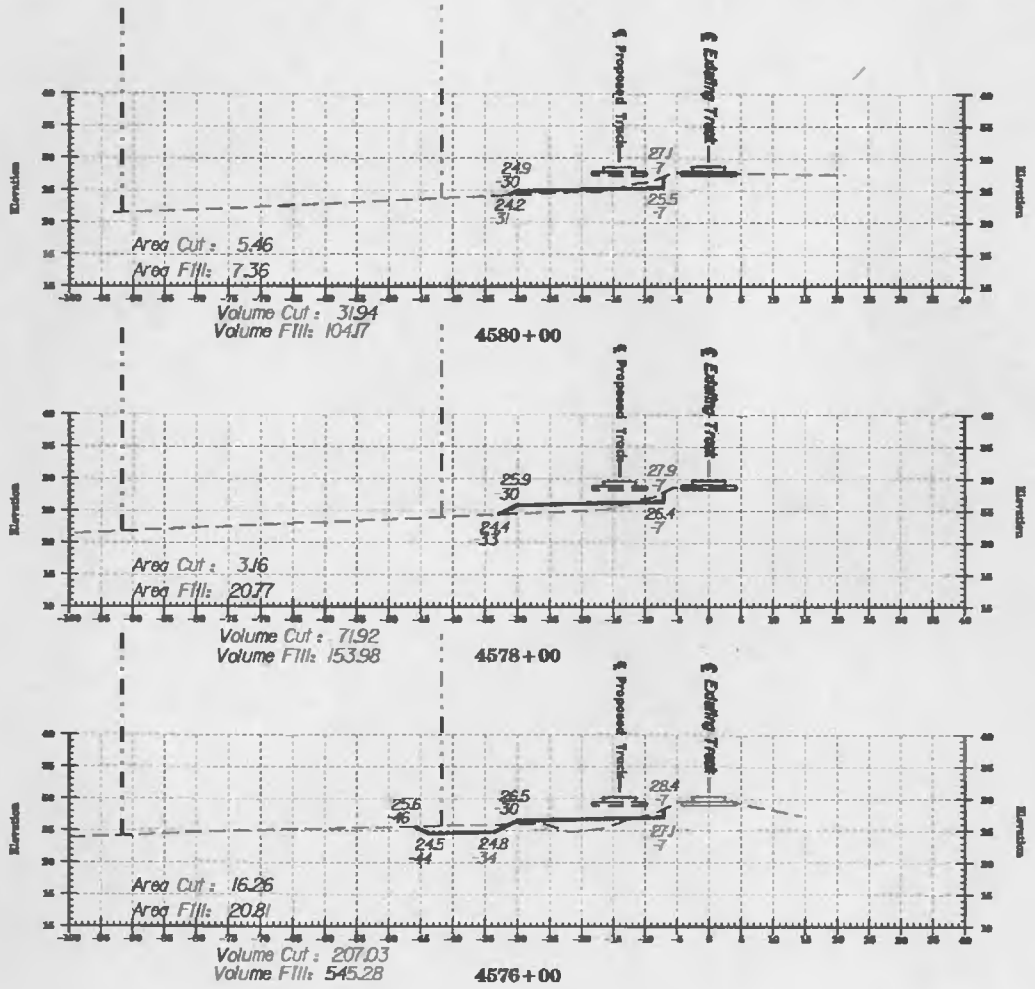
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000
CK. RCZ	SHEET 158 OF	DWG No. TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

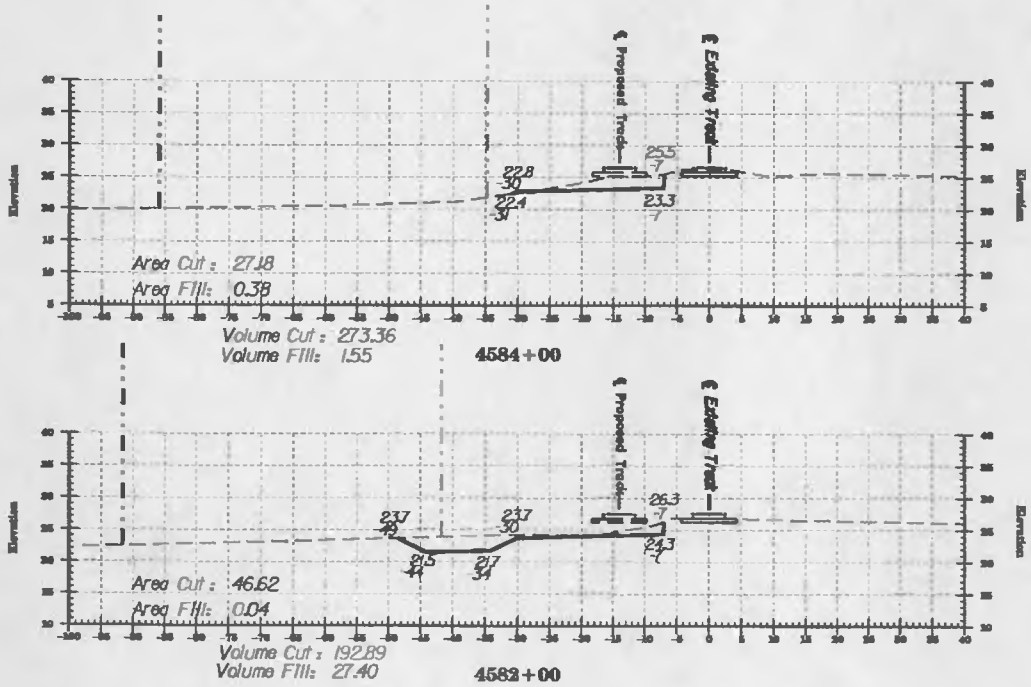
SCALES –
HORIZ. 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	F.A.E. No. 10T-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 159	DWG. No. TB-1999-86



LEGEND

Existing Surface	
Proposed Surface	
Existing Property Line	
Proposed Property Line	

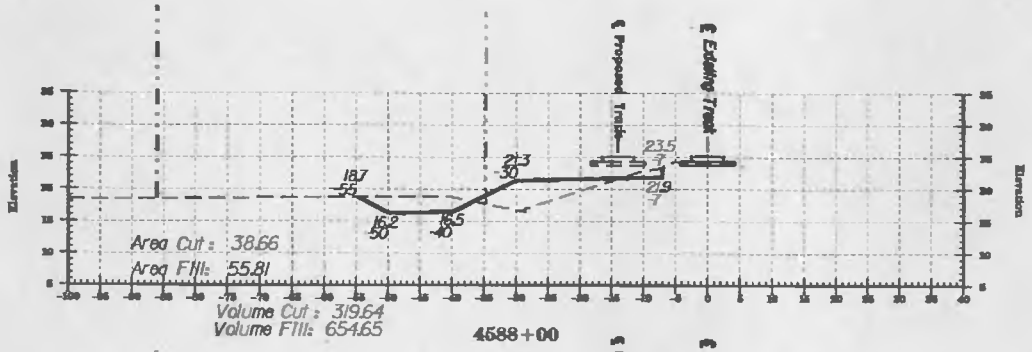
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

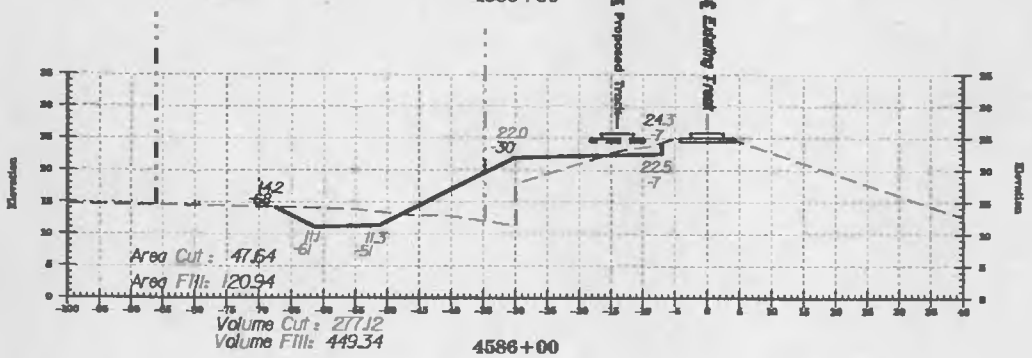
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE	03/21/2000
DR. RCZ	SHEET NO. 160 OF	DWG. NO. TB-1999-86	



4588+00



4586+00

LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

20 10 0

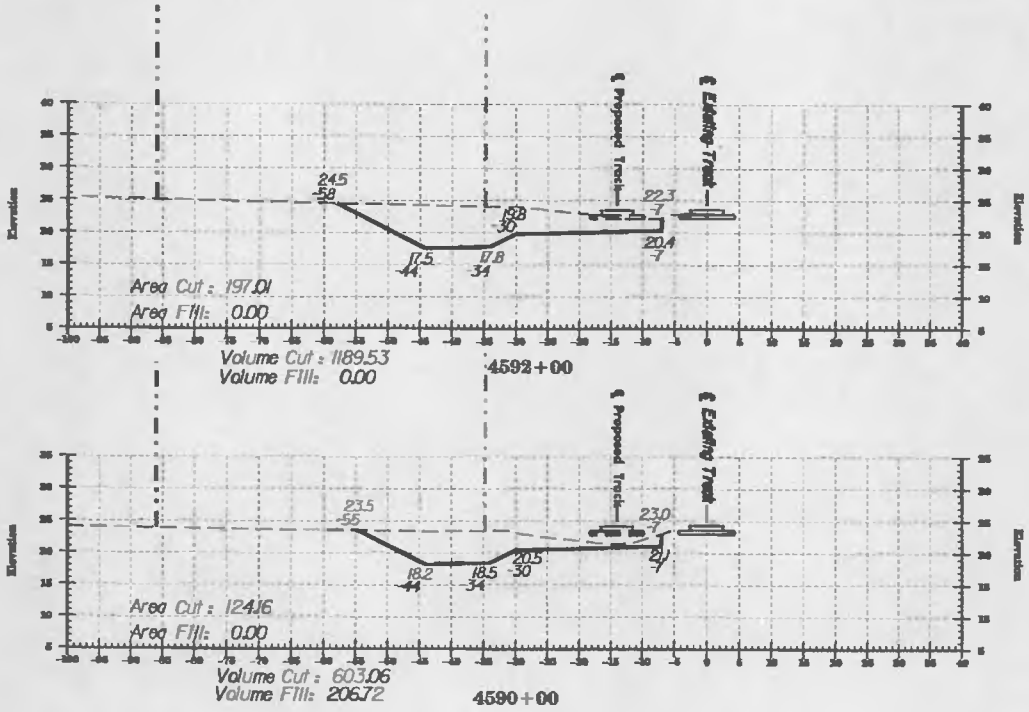
-10 0 10 20

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ | FILE NO. 107-1-6216 | DATE 03/21/2000
DR. RCZ | SHEET 161 | NO. TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

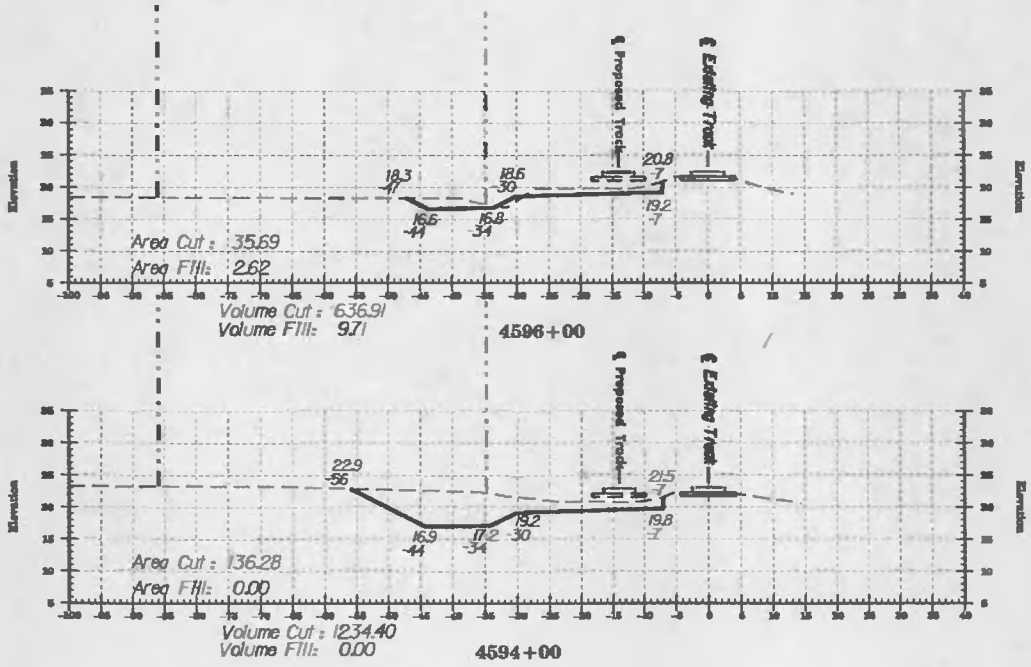
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES	RCZ	DRAWING No. 107 I 6216	DATE 03/21/2000
DR	RCZ	SHEET 162	DWG No. TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

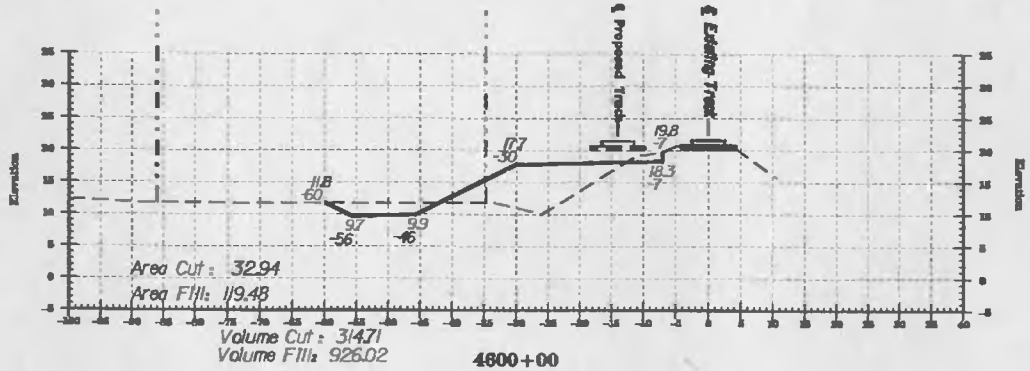
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

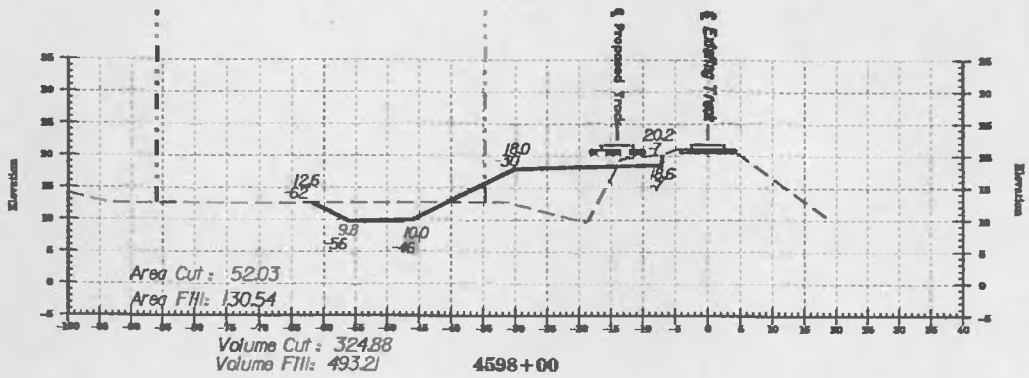
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 163 OF	DWG No. TB-1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

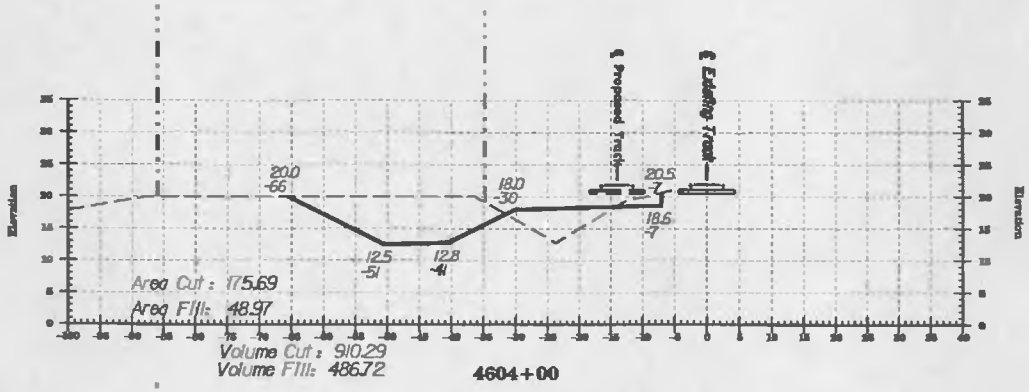
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DWN RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DES RCZ	SHEET 164 OF	DWG NO TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

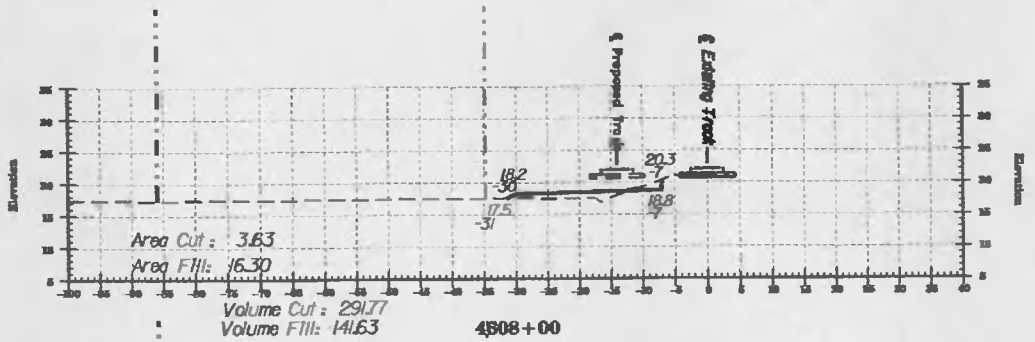
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

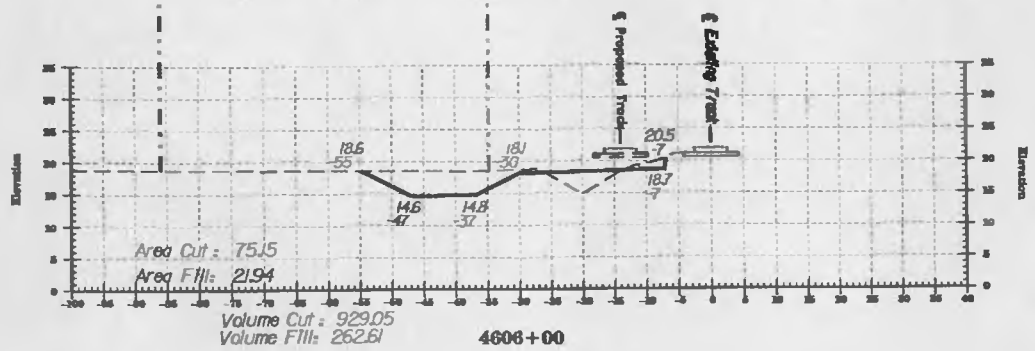
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107 1-6216	DATE 03/21/2000	
DR. RCZ	SHEET 165 OF	CHK. TB-1999-86	





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

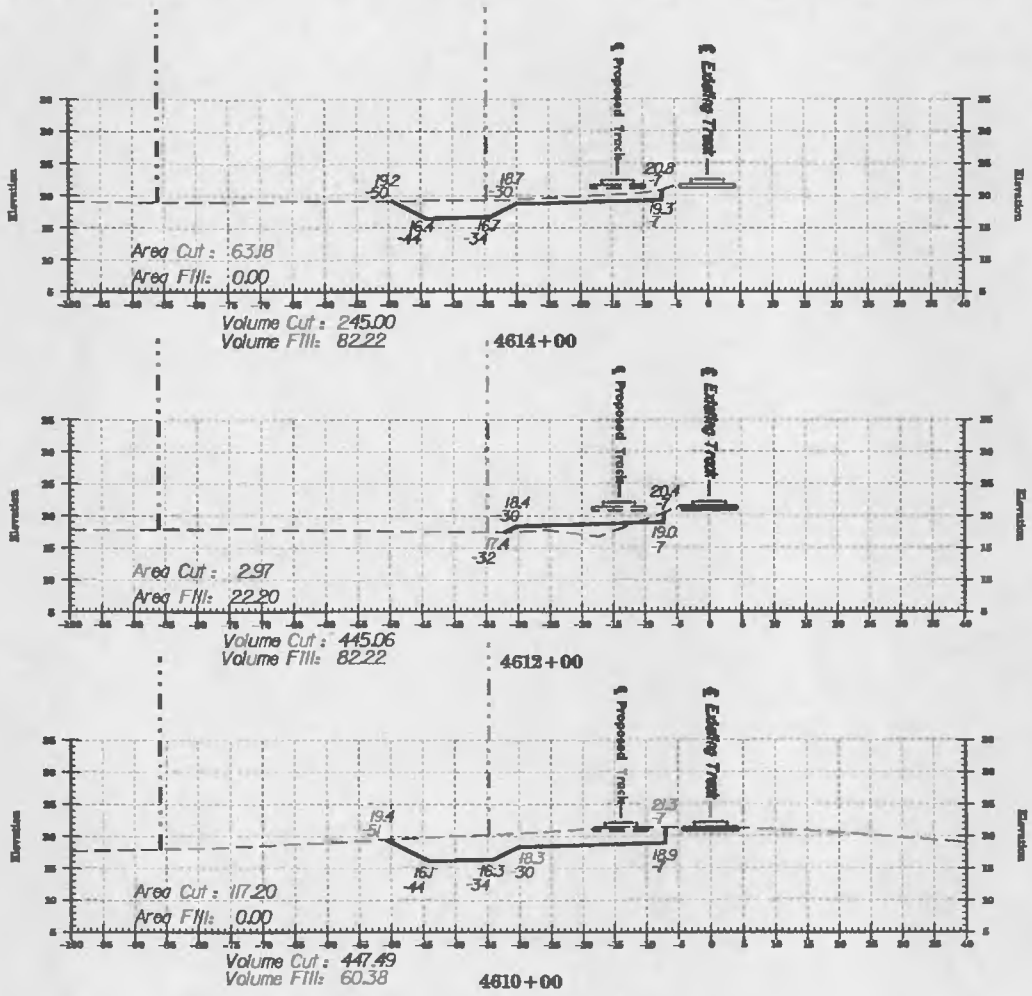
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107-1-6216	DATE	03/21/2000
DR. RCZ	SHEET 166 Of	DWG No.	TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

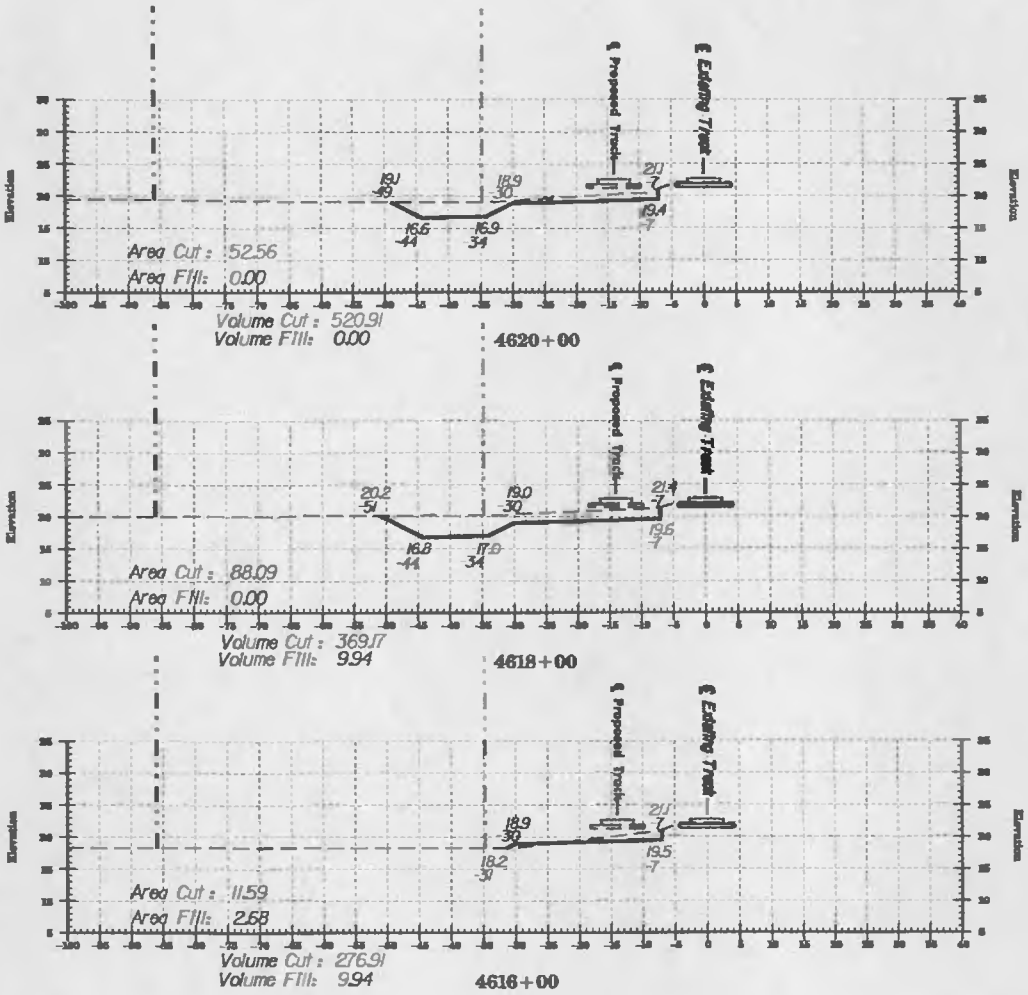
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-98.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

D-S. RCZ	FILE NO. 10T-1-6216	DATE 03/21/2000
T-S. RCZ	SHEET 167 OF	DWG. NO. TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

SCALES --
HORIZ: 1" = 20'
VERT: 1" = 20'

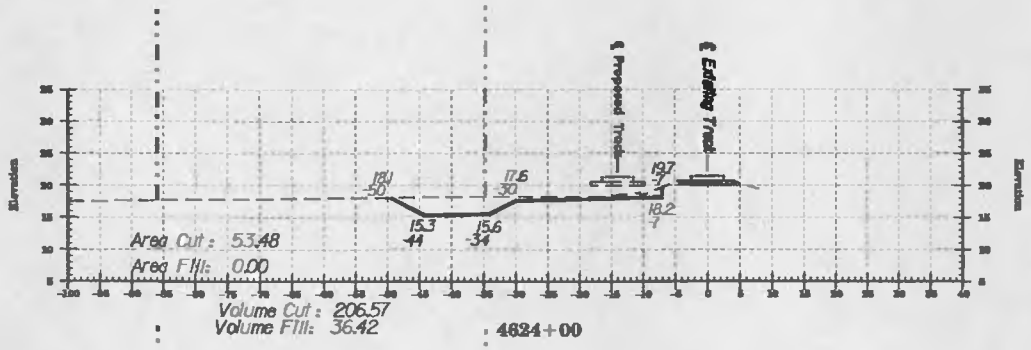
20 10 0 10 20

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-84.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE No. 107 1-6216	DATE 03/21/2000
DR. RCZ	SHEET 168 OF	DWG. No. TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

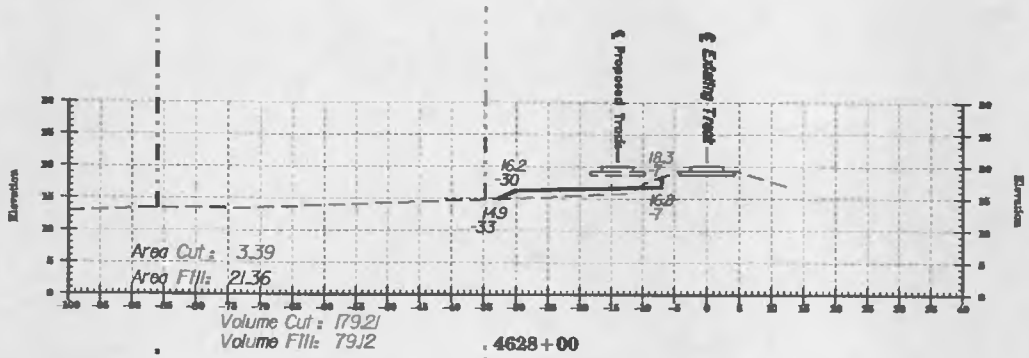
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

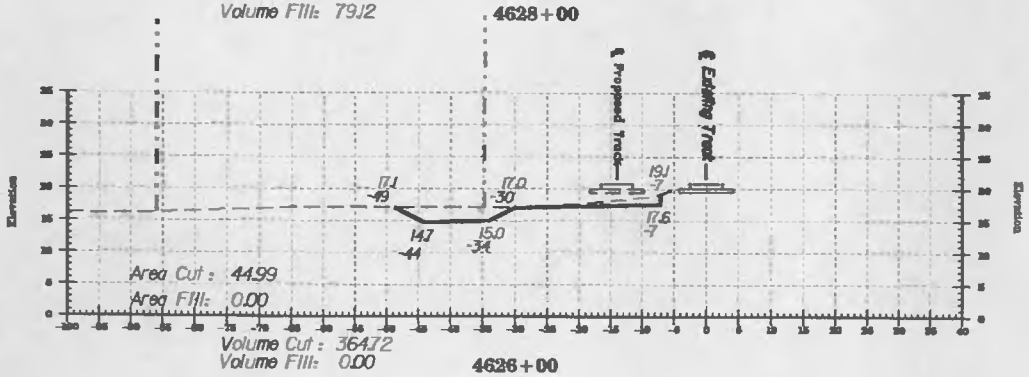
REV	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ | DWG. No. 107-1-6216 | DATE 03/21/2000
DR. RCZ | CHK. 169 | JOB No. TB-1999-06





LEGEND

Existing Surface	— — — —
Proposed Surface	———
Existing Property Line	— · — · —
Proposed Property Line	— · · — · ·

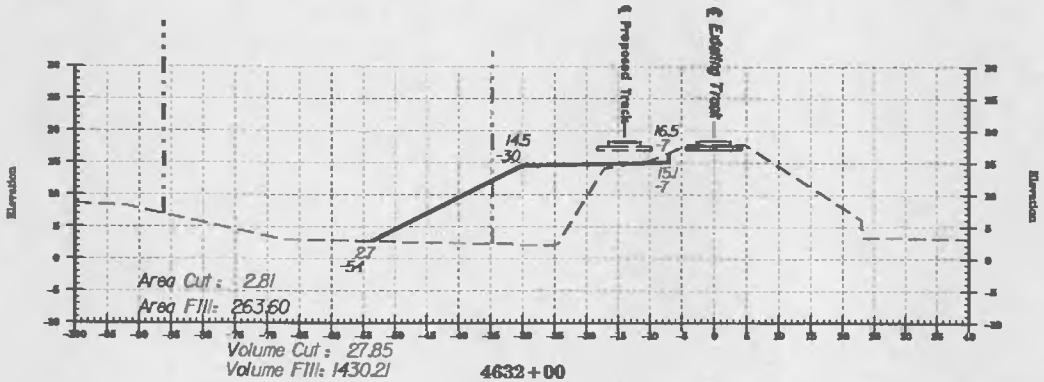
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

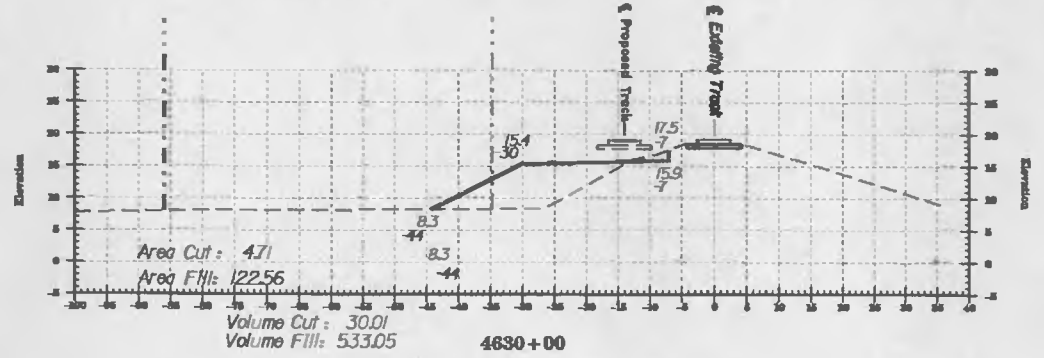
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	DWG. NO. 107 I 6216	DATE	03/21/2000
DR. RCZ	CHK. 170	CMO NO.	TB-1999-86

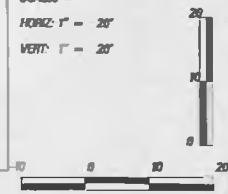




LEGEND

Existing Surface	— — — —
Proposed Surface	———
Existing Property Line	— · — · —
Proposed Property Line	— · · — · · —

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

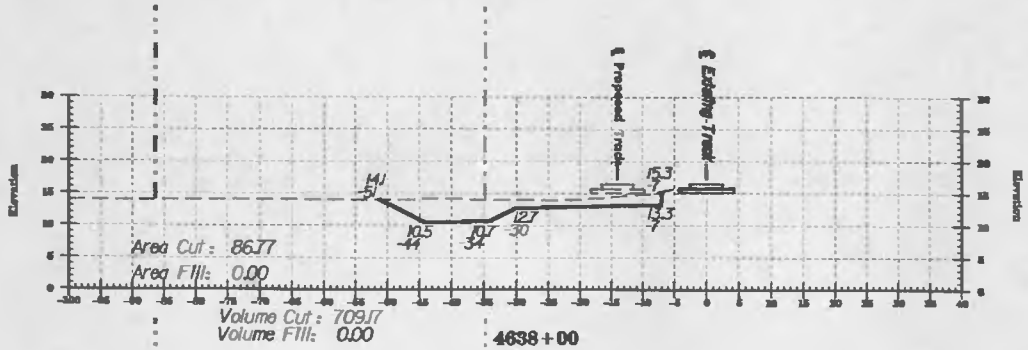


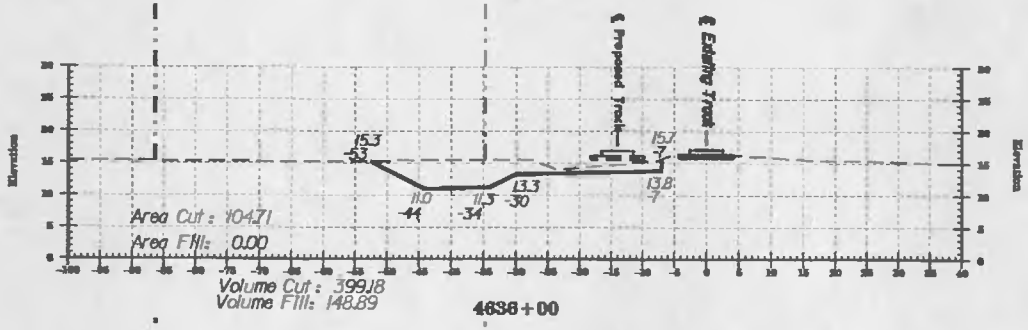
PE	DATE	BY	REVISION DESCRIPTION

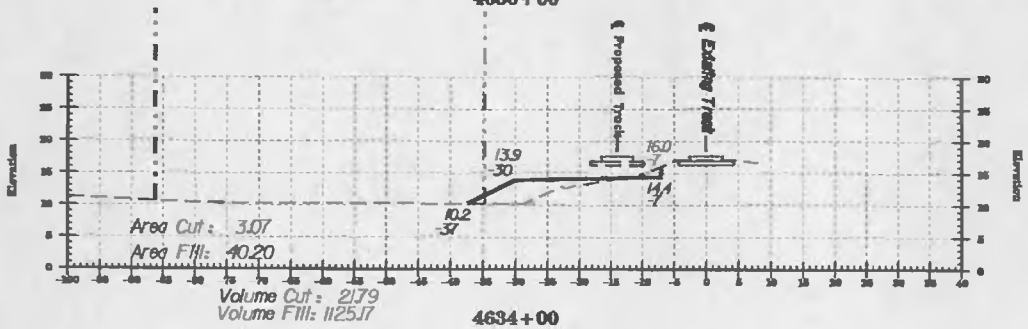
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.8 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	DRAWING NO. 107 I 6216	DATE	03/21/2000
DWN. RCZ	SHEET NO. 171 OF	JOB NO.	TB-1999-86







LEGEND

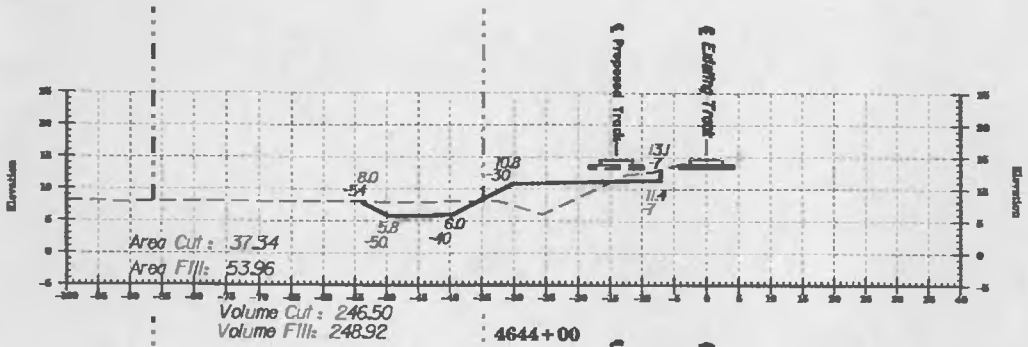
Existing Surface	— — — —
Proposed Surface	———
Existing Property Line	— · — · —
Proposed Property Line	— · · — · ·

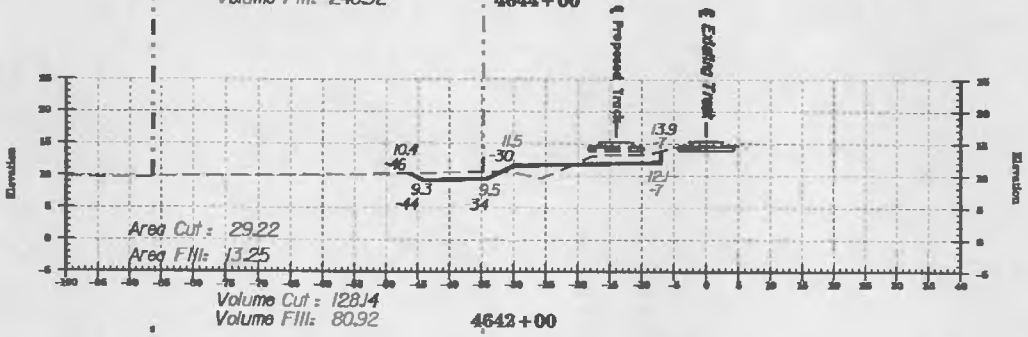
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

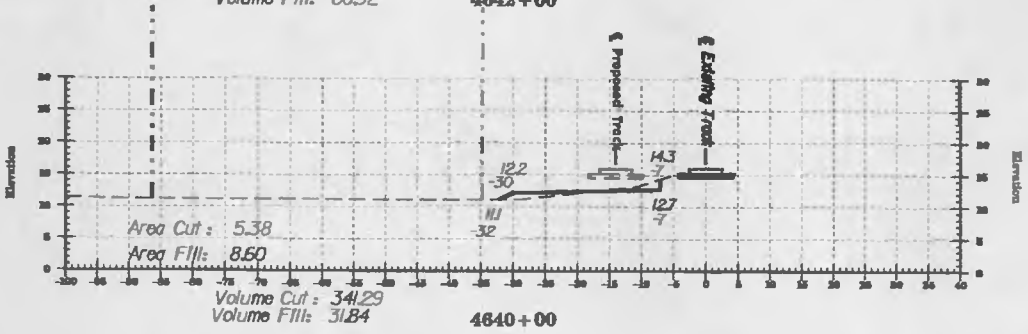
ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ | FILE NO. 107-1-6216 | DATE 03/21/2000
DR. RCZ | SHEET 172 OF | DWG NO. TB-1999-86







LEGEND

Existing Surface	— — — —
Proposed Surface	———
Existing Property Line	— - - — - -
Proposed Property Line	— · · — · ·

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

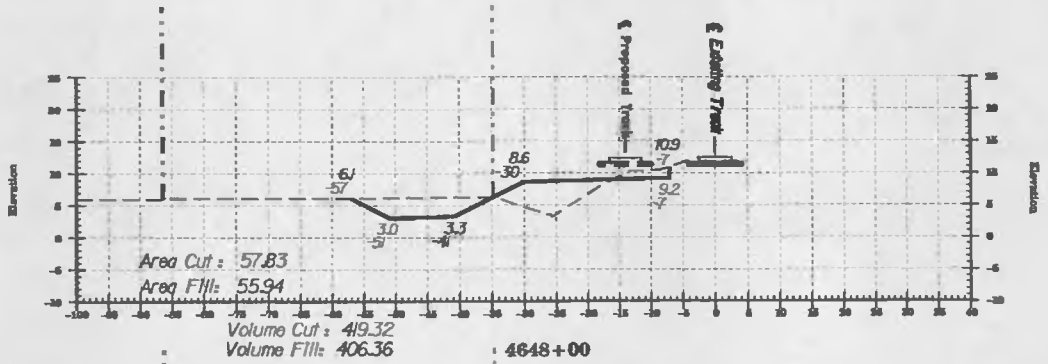
20
10
0
-10 0 10 20

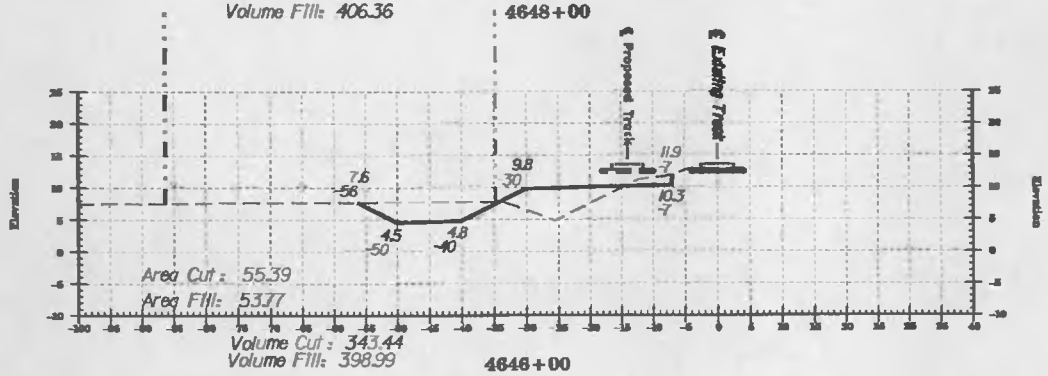
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ | U.S. No. 107-1-6216 | DATE 03/21/2000
DR. RCZ | SHT. 173 OF | DWG. NO. TB-1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

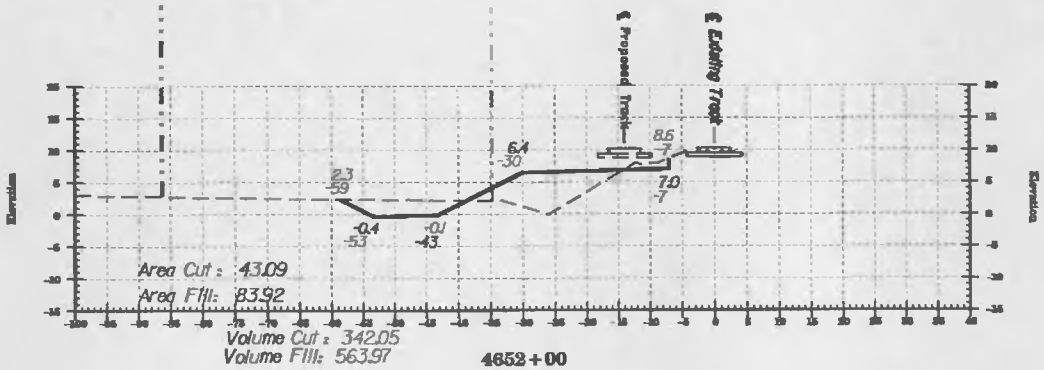
SCALES
HORIZ: 1" = 20'
VERT 1" = 20'

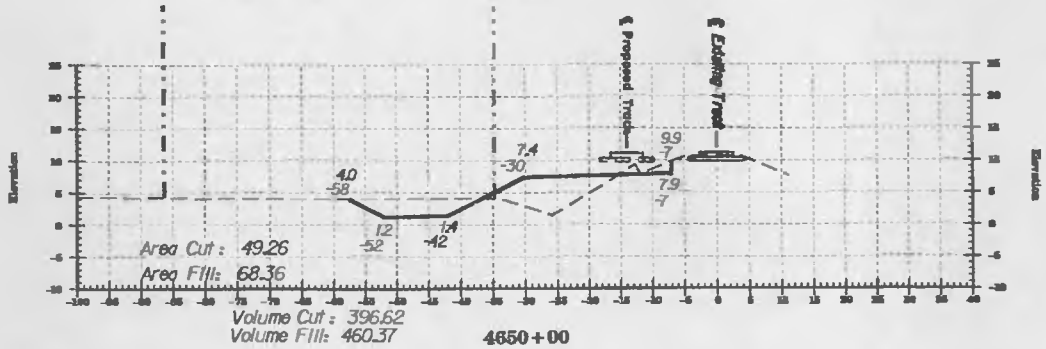
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107 1 6216	DATE 03/21/2000
DR. RCZ	SHEET 174	TWP. TB 1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

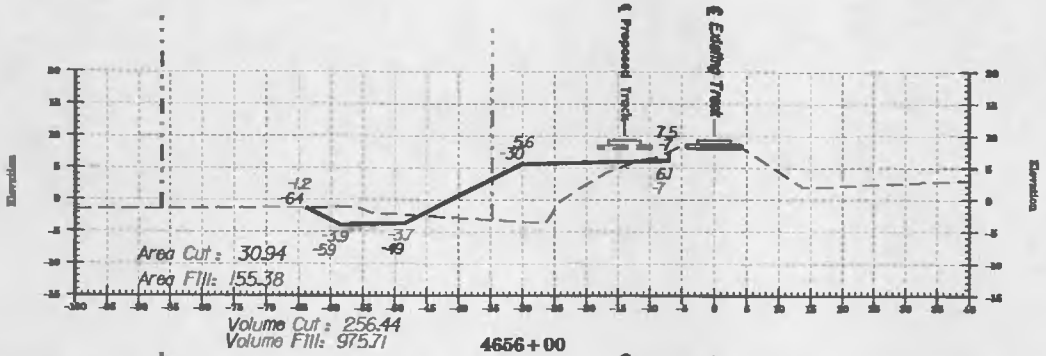
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

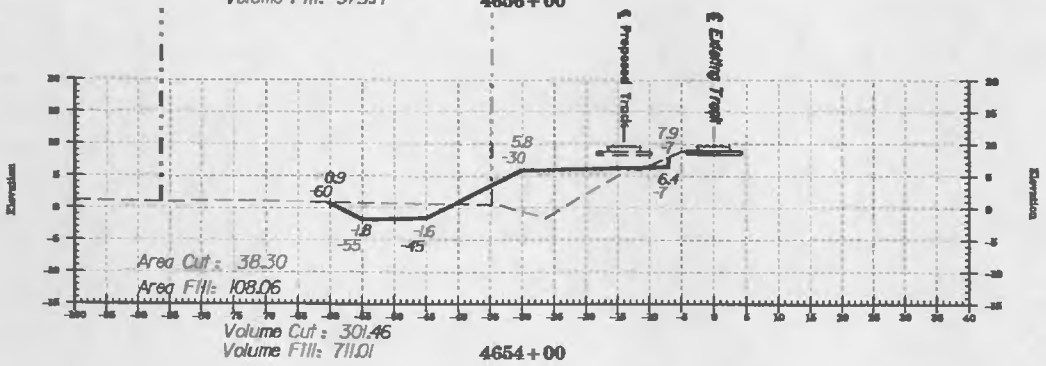
NO.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET 175 OF	WO NO. TB-1999-86





LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

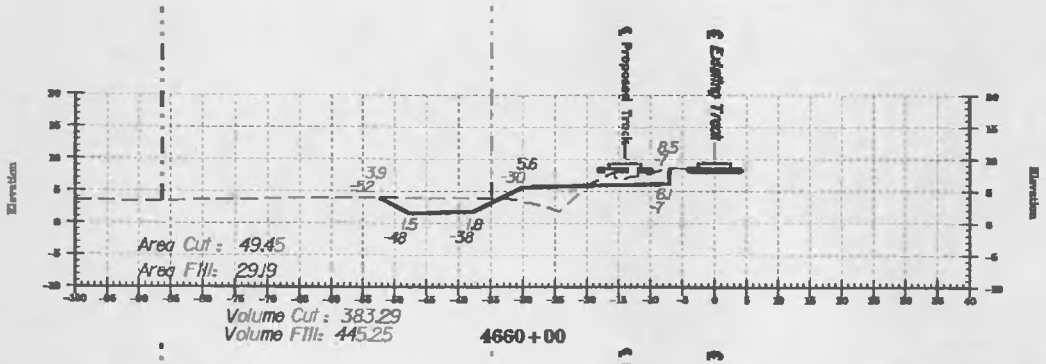
SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

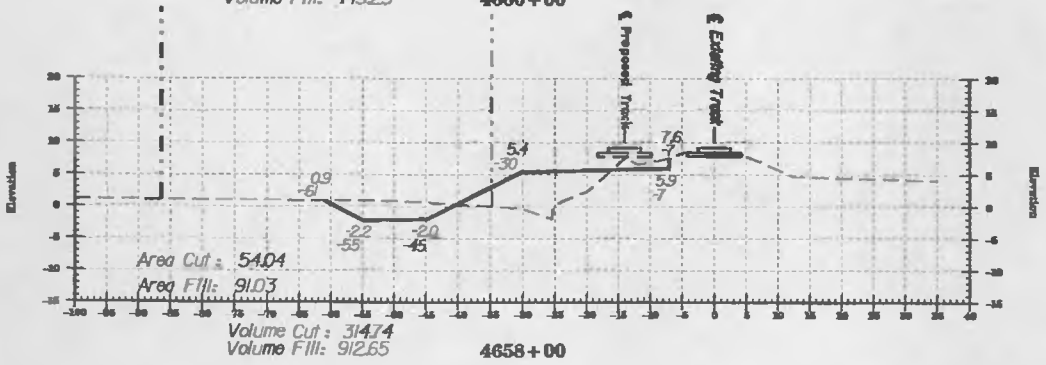
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ | I.C.E. NO. 107-1-6216 | DATE 03/21/2000
DR. RCZ | SHEET 176 OF | DWG No. TB-1999-86





LEGEND

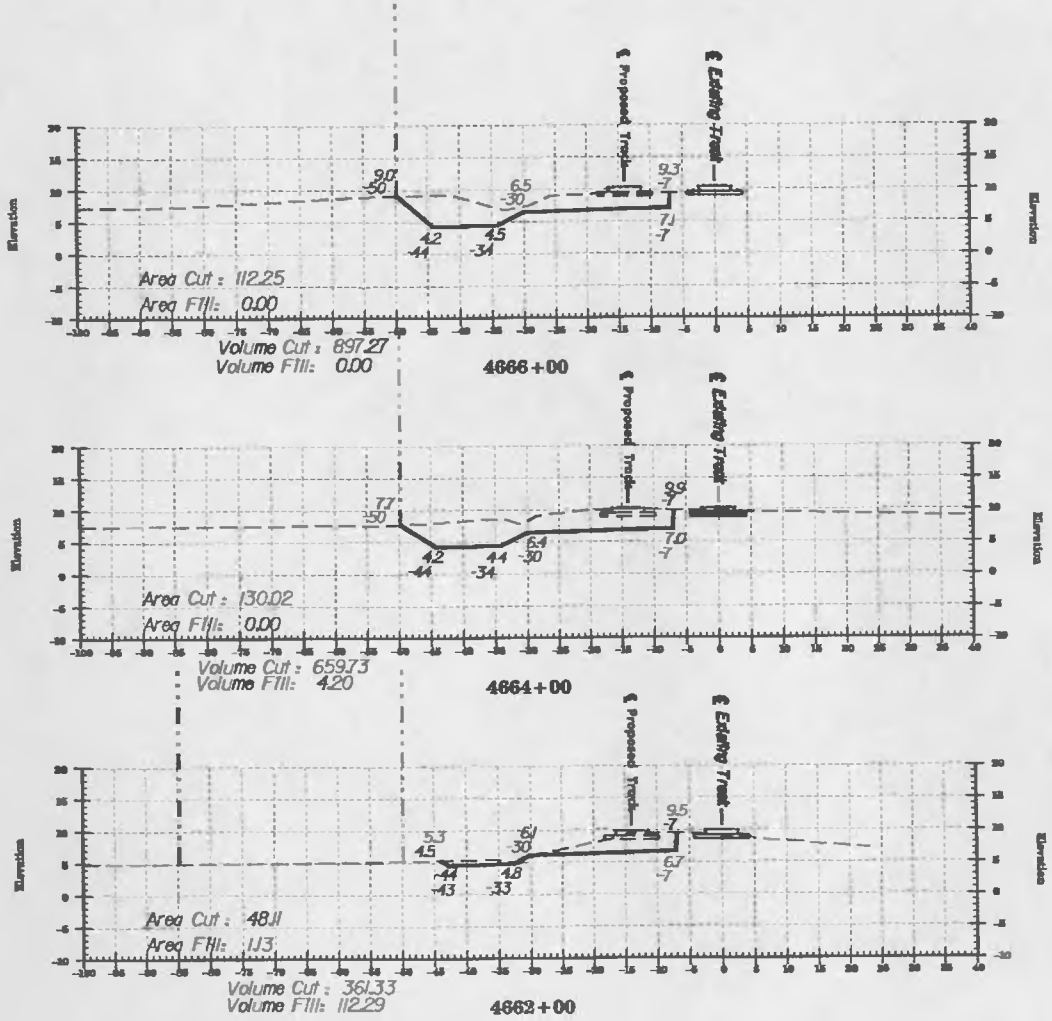
- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ | SCALE NO. 107-1-6216 | DATE 03/21/2000
DR. RCZ | SHEET 177 | DWG. NO. TB-1999-86



LEGEND

- Existing Surface
- Proposed Surface
- Existing Property Line
- Proposed Property Line

SCALES –
HORIZ: 1" = 20'
VERT: 1" = 20'

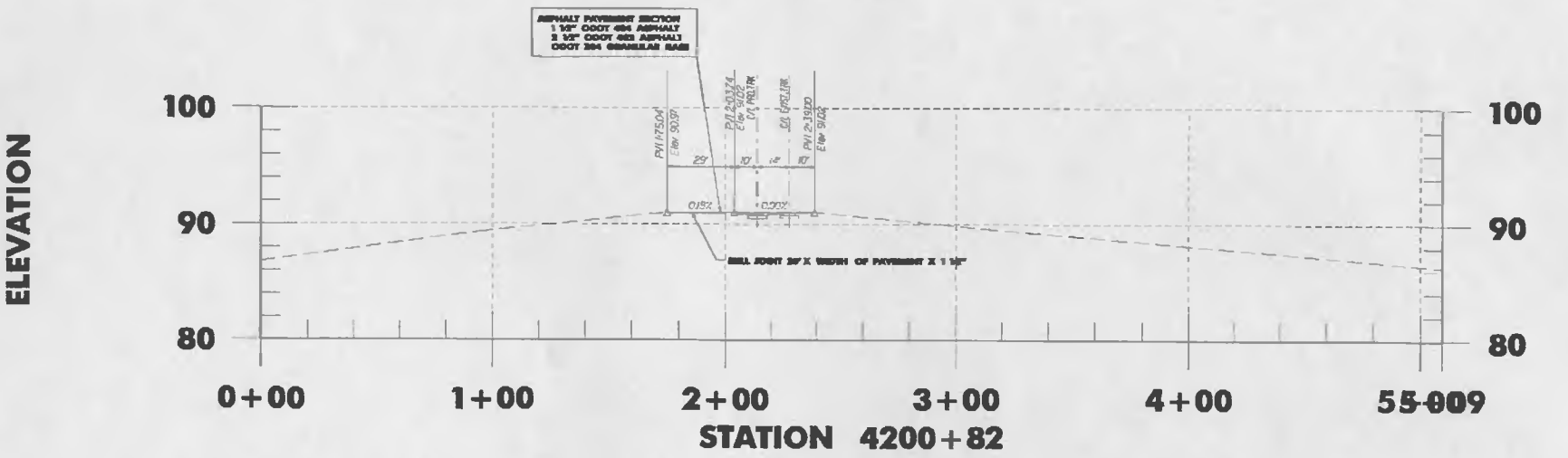
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OHIO
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO S-88.4
CROSS SECTIONS

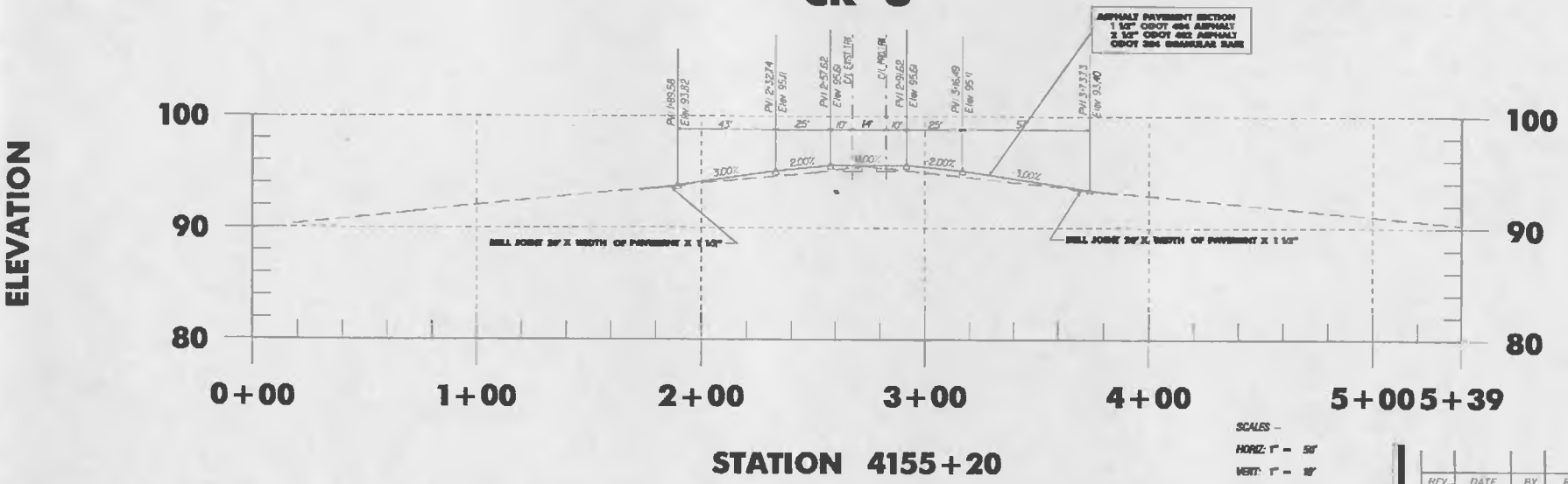
NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 03/21/2000
DR. RCZ	SHEET NO. 5	DWG No. TB-1999-86

TR 53



CR 8



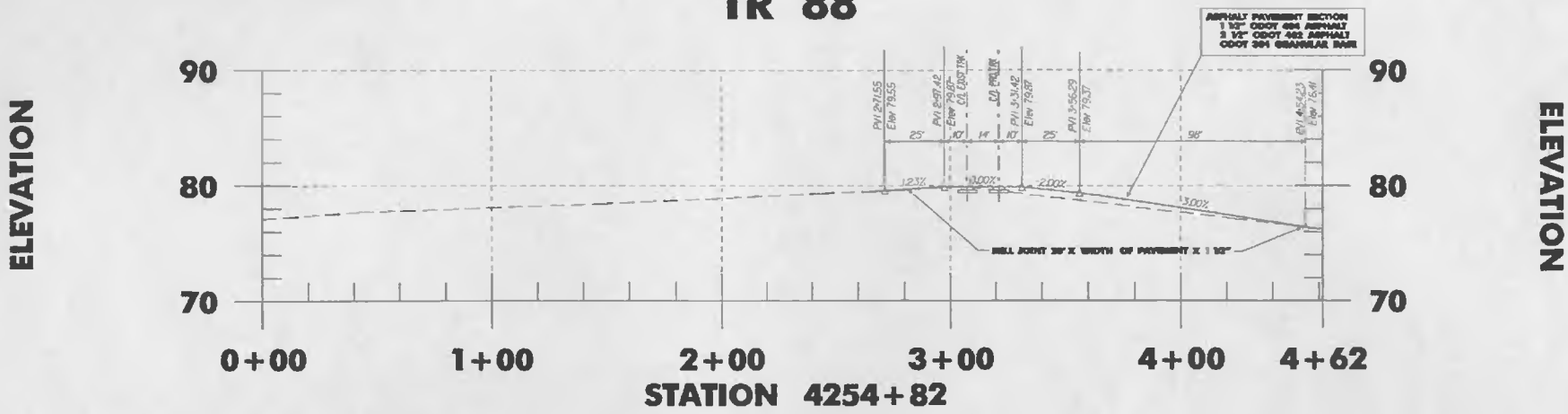
SCALES –
HORIZ: 1" = 50'
VERT: 1" = 10'

REV.	DATE	BY	REVISION DESCRIPTION

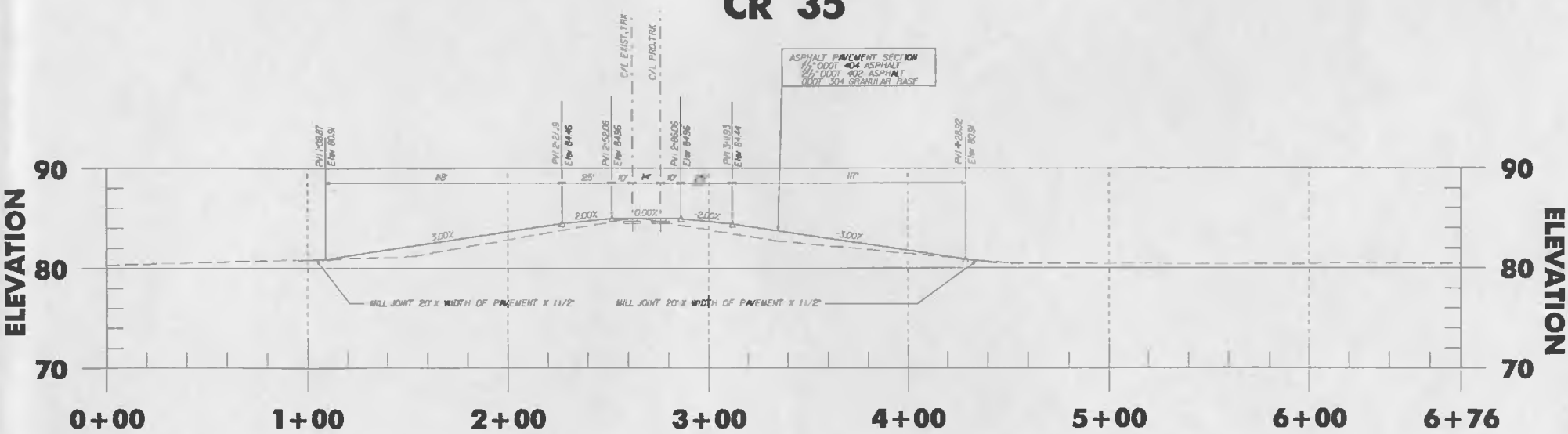
ATTICA, OH
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO 86.4
GRADE CROSSING SECTIONS

DES.: RCZ	FILE No.: 107-1-6216	DATE: 04/04/2000	
DR.: RCZ	SHEET 179 OF	DWG No.: TB-1999-86	

TR 88



CR 35



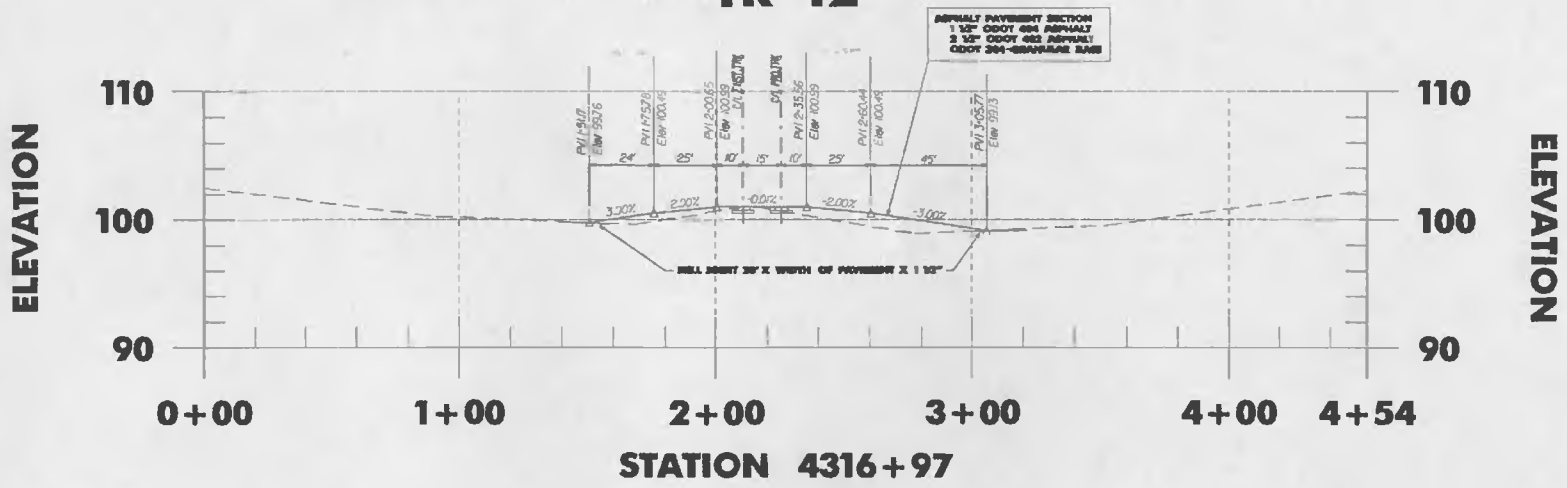
SCALES –
HORIZ: 1" = 50'
VERT: 1" = 10'

REV.	DATE	BY	REVISION DESCRIPTION

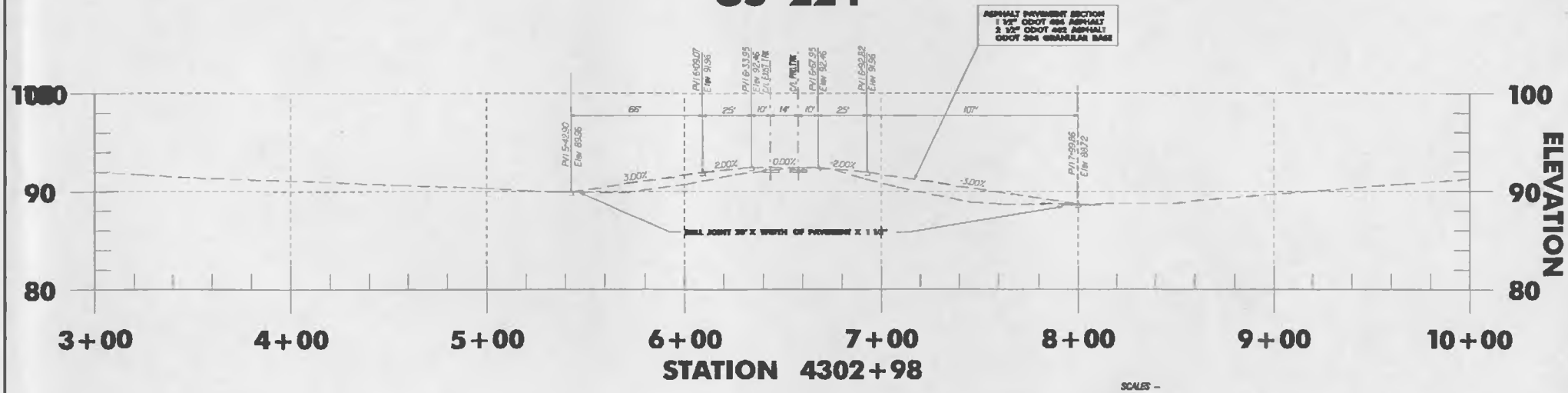
ATTICA, OH
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST 9-77.9 TO 88.4
GRADE CROSSING SECTIONS

DES. RCZ	FILE No. 107-1-6216	DATE 04/04/2000	
DR. RCZ	SHEET 180 OF	DWG No. TB-1999-86	

TR 12



US 224



SCALES –
HORIZ: 1" = 50'
VERT: 1" = 10'

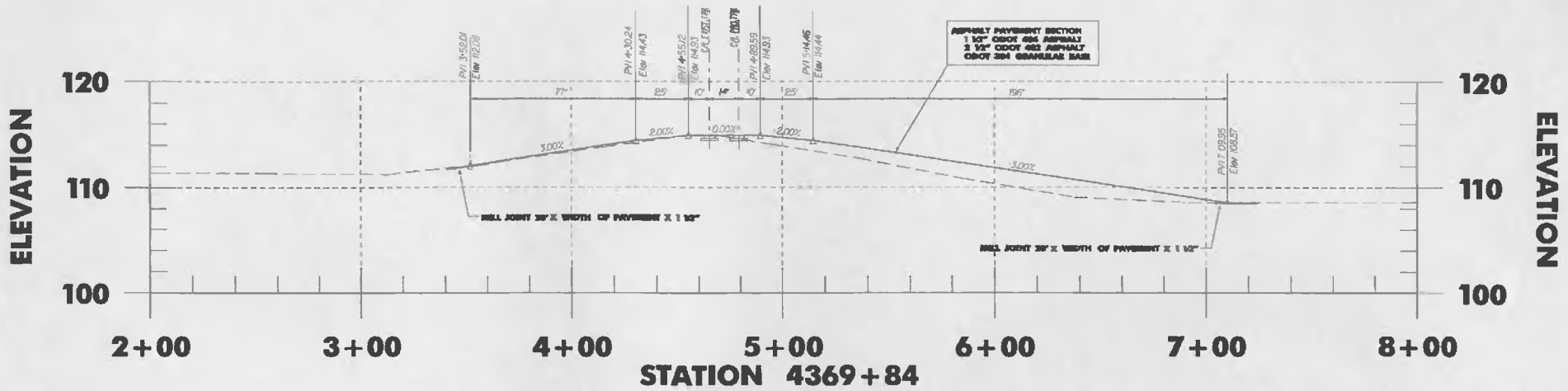
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OH
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO 88.4
GRADE CROSSING SECTIONS

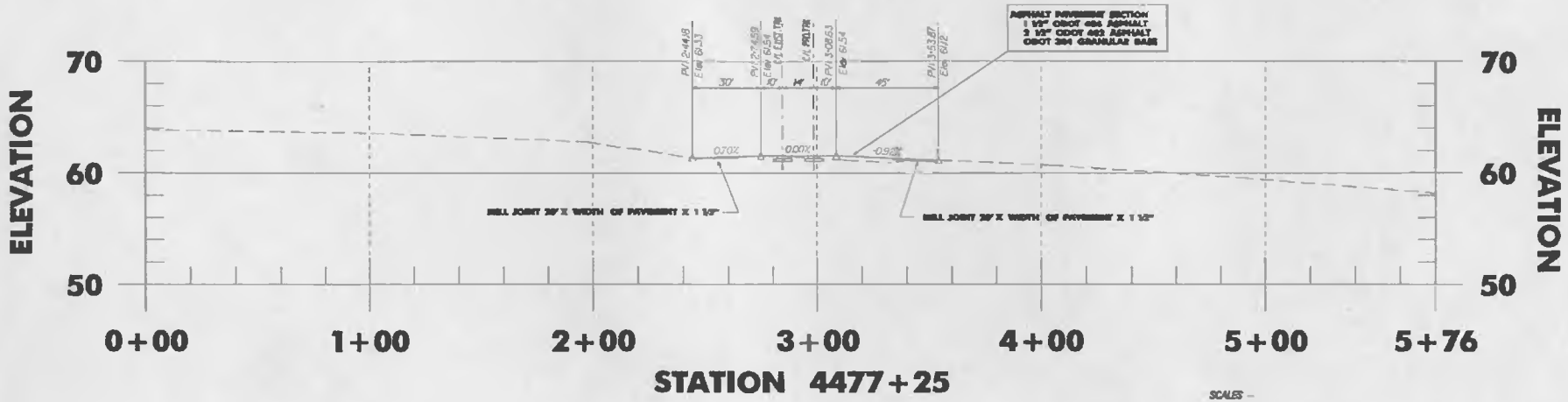
NORFOLK SOUTHERN CORPORATION — OFFICE OF CHIEF ENGINEER

DFS. RCZ	FILE No. 107-1-6216	DATE 04/04/2000	
DR. RCZ	SHEET (B) OF	DWG No. TB-1999-B6	

TR 104



TR 8



SCALES –
HORIZ: 1" = 50'
VERT: 1" = 10'

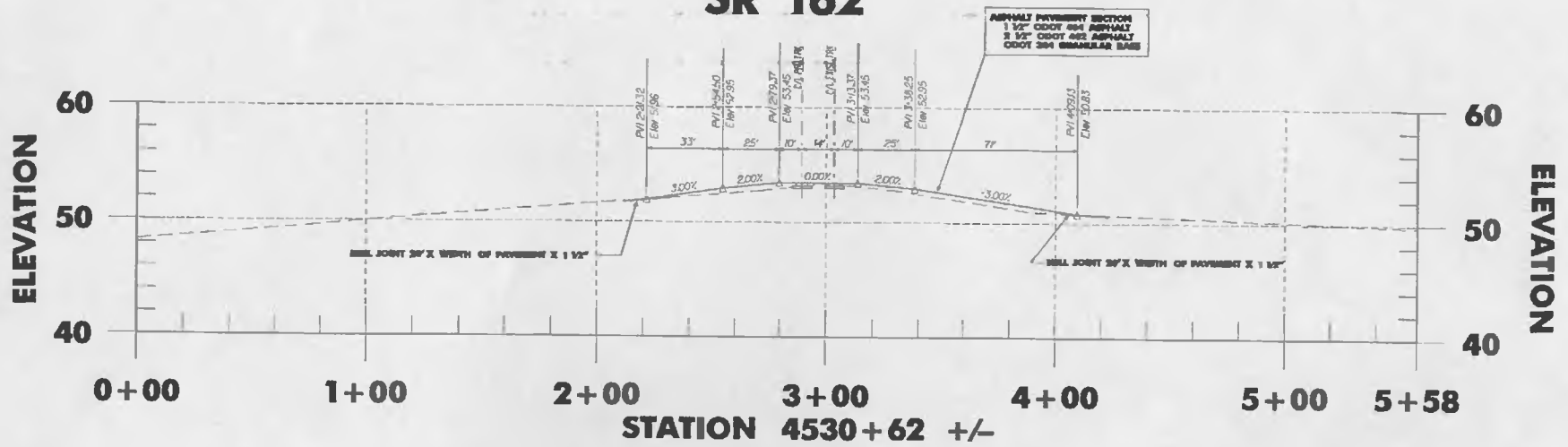
REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OH
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO 80.4
GRADE CROSSING SECTIONS

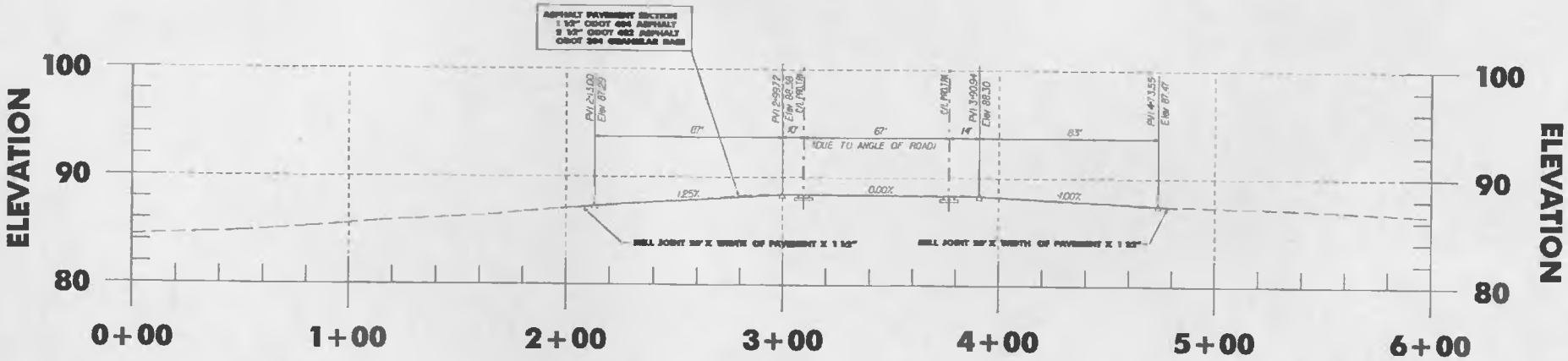
MORRISON KNUDSEN CORPORATION — OFFICE OF CHIEF ENGINEER

DES. RCZ	FILE NO. 107-1-6216	DATE 04/04/2000	
DR. RCZ	SHEET 182 OF	DWG No. TB-1999-86	

SR 162



SR 4



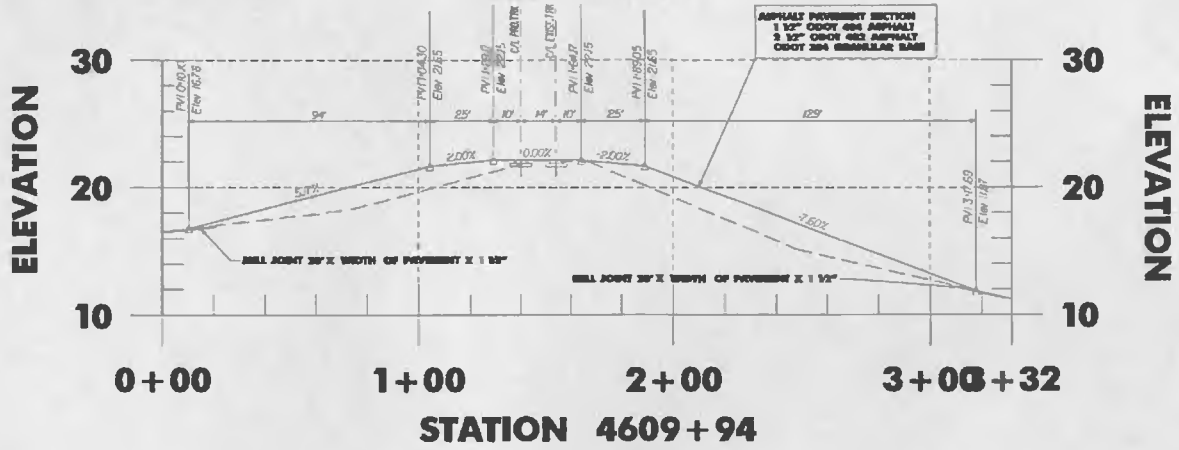
SCALES –
HORIZ: 1" = 50'
VERT: 1" = 10'

REV.	DATE	BY	REVISION DESCRIPTION

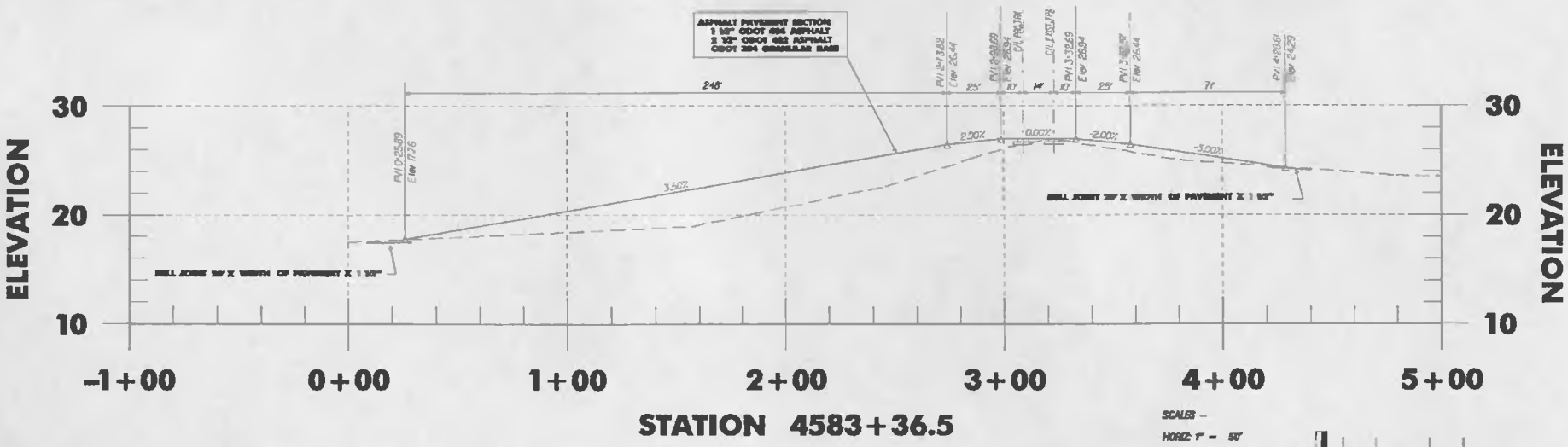
ATTICA, OH
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST 9-77.9 TO MI.4
GRADE CROSSING SECTIONS

DES. RCZ	FILE No. 107-1-6216	DATE	04/04/2000
DR. RCZ	SHEET 183 OF	DWG No. TB-1999-86	

TR 124



TRT 122



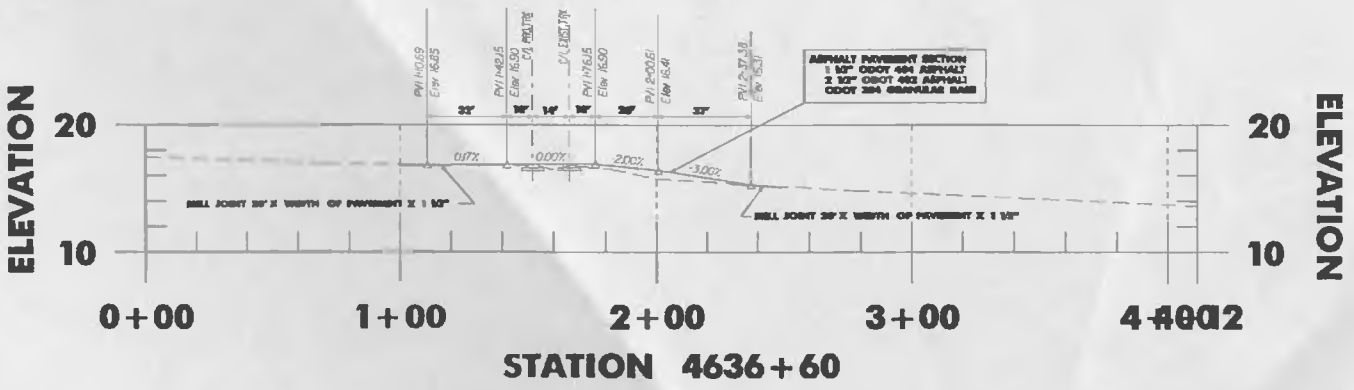
SCALES –
HORIZ: 1" = 50'
VERT: 1" = 10'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OH
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST 3-77.8 TO 88.4
GRADE CROSSING SECTIONS

DES. RCZ	FILE No. 107 I 6216	DATE 04/04/2000	
DR. RCZ	SHEET 184 OF	DWG No. TB-1999-86	

TR 126



SCALES –
HORIZ: 1" = 50'
VERT: 1" = 10'

REV.	DATE	BY	REVISION DESCRIPTION

ATTICA, OH
SANDUSKY DISTRICT DOUBLE TRACKING
MILEPOST S-77.9 TO 88.4
GRADE CROSSING SECTIONS

NORFOLK SOUTHERN CORPORATION

DES. RCZ	FILE No. 10T 1-6216	DATE	04/04/[illegible]
DR. RCZ	SHEET 185 OF	DWG No. TR 1999 [illegible]	