

8-1

T-1

FED. RD. DIVISION	STATE	PROJECT	1
2	OHIO	I-80-4(20)164	42

CUYAHOGA COUNTY
CUY - 80 - 9.08

STATE OF OHIO DEPARTMENT OF HIGHWAYS CUY-80-9.08 CITY OF CLEVELAND CUYAHOGA COUNTY

I-80-4(20)164

PART 2
FOR PART 1 SEE CUY-71-17.83
CUY-176-12.76

LIMITED ACCESS

This improvement is especially designed for through traffic, and has been declared a limited access highway by action of the Director of Highways in accordance with the provisions of Section 5511.02, Revised Code of Ohio.

The standard specifications of the State of Ohio, Department of Highways, including changes and supplemental specifications listed in the proposal shall govern this improvement.

The right of way for this improvement will be provided by the State of Ohio

I hereby approve these plans and declare that the making of this improvement will not require the closing of the highway to traffic and that provisions for the maintenance and safety of traffic will be as set forth on the plans and estimates.

Approved Louis L. Drasler
Date 2-9-65 Director of Public Service, City of Cleveland

Approved Charles M. Lurich
Date 2-8-65 Division Deputy Director

Approved _____
Date _____ Engineer of Bridges

Approved R.N. Rikitta
Date 2-11-65 Engineer of Location & Design

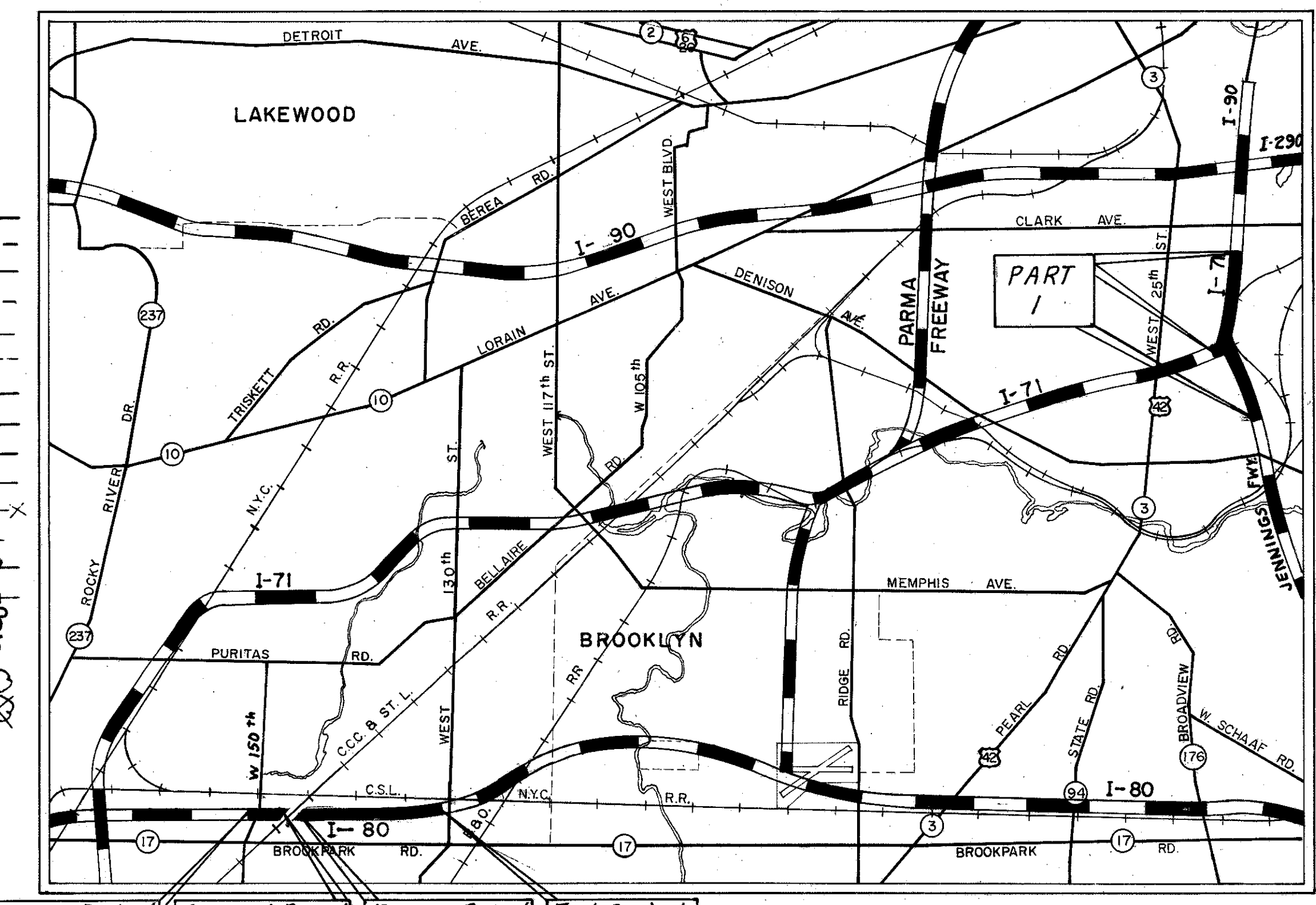
Approved R.E. Shultz
Date 2-11-65 Deputy Director of Design & Construction

Approved T.H. Board
Date 2-11-65 Deputy Director of Right of Way

Approved J.W. Wilson
Date 2-25-65 Deputy Director of Planning & Programming

Approved _____
Date _____ First Assistant Director

Approved P.B. Mahler
Date 2/26/65 Director of Highways



Begin Project Sta. 518+00 Suspend Project Sta. 530+10 Resume Project Sta. 534+00 End Project Sta. 579+98

Delivery Point _____ See Part 1 _____

CONVENTIONAL SIGNS

- State Line _____
- County Line _____
- Township Line _____
- Section Line _____
- Center Line _____
- Corporation Line _____
- Limited Access and Right-of-Way _____
- Limited Access Only _____
- Right-of-Way Only _____
- Existing Right-of-Way _____
- Fence Line _____
- Guard Rail (existing) _____
- Guard Rail (proposed) _____
- Steam Railroad _____
- Power Poles _____
- Telephone Poles _____
- Trees or Stumps (existing) _____
- Trees or Stumps (to be removed) _____

INDEX OF SHEETS

Title Sheet	1
Location Plan	2,3
General Notes and Quantities	2
Plan and Profile	4-11
Cross Sections	12-42

LINE DATA CUY - 80 - 9.08

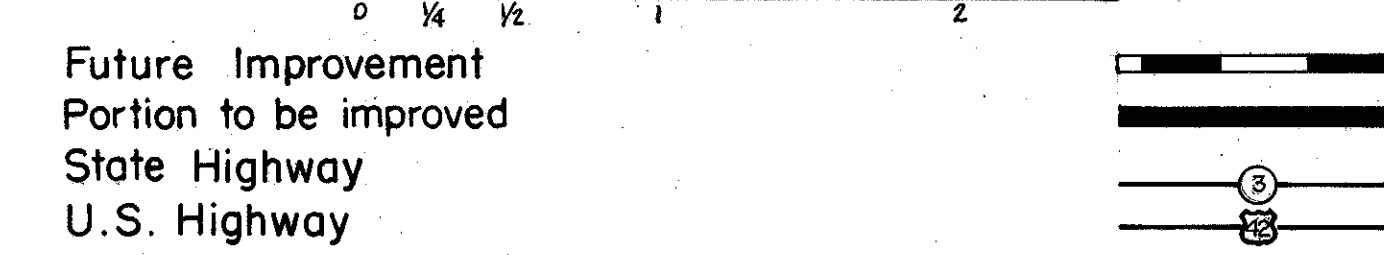
Begin Project Sta. 518+00
Suspend Project Sta. 530+10 = 1210 L.F.
Resume Project Sta. 534+00
End Project Sta. 579+98 = 4598 L.F.
Net Length of Project = 5,808 L.F. or 1.100 Miles

Begin Work Sta. 518+00
Suspend Work Sta. 530+10 = 1210 L.F.
Resume Work Sta. 534+00
End Work Sta. 579+98 = 4598 L.F.
Net Length of Work = 5,808 L.F. or 1.100 Miles

PREPARED AND RECOMMENDED BY
ALDEN E. STILSON & ASSOCIATES LTD.
CONSULTING ENGINEERS

COLUMBUS CLEVELAND WHEELING
Alten E. Stilson #1235 P.E.

LOCATION MAP SCALE OF MILES



SCALES

Plan _____ 1" = 50'

Profile: Horizontal _____ 1" = 50'

Profile: Vertical _____ 1" = 5'

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

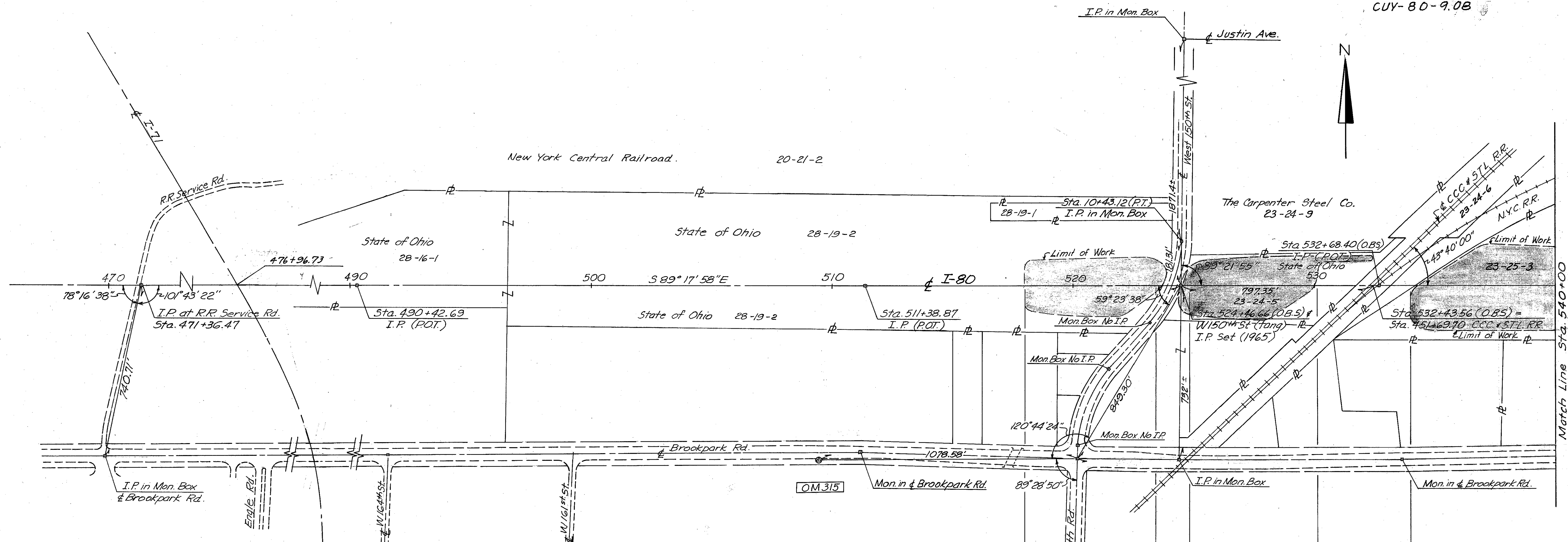
APPROVED: _____

DIVISION ENGINEER _____ DATE _____

Supplemental Prints of Standard Construction Drawings			

Supplemental Specifications	

File No.	CUYAHOGA COUNTY
Date of Letting	_____ 19__
Contract No.	_____



TYPE CODE 0010
EMBANKMENT

Sheet Number	E-1			L-9
	Roadway Excavation Cu. Yds.	Roadway Embankment Cu. Yds.	Roadway Emb. +13% Cu. Yds.	Seeding & Protecting Sq. Yds.
4	130	12,617	14,888	1842
5	529	116,497	137,466	11,482
6	1766	169,494	200,003	13,618
7	2525	102,681	121,164	12,568
8	3534	38,057	44,907	7369
9	2263	28,168	33,238	6933
10	3463	60,694	71,619	11,939
Total	14,210	528,203	623,285	65,751

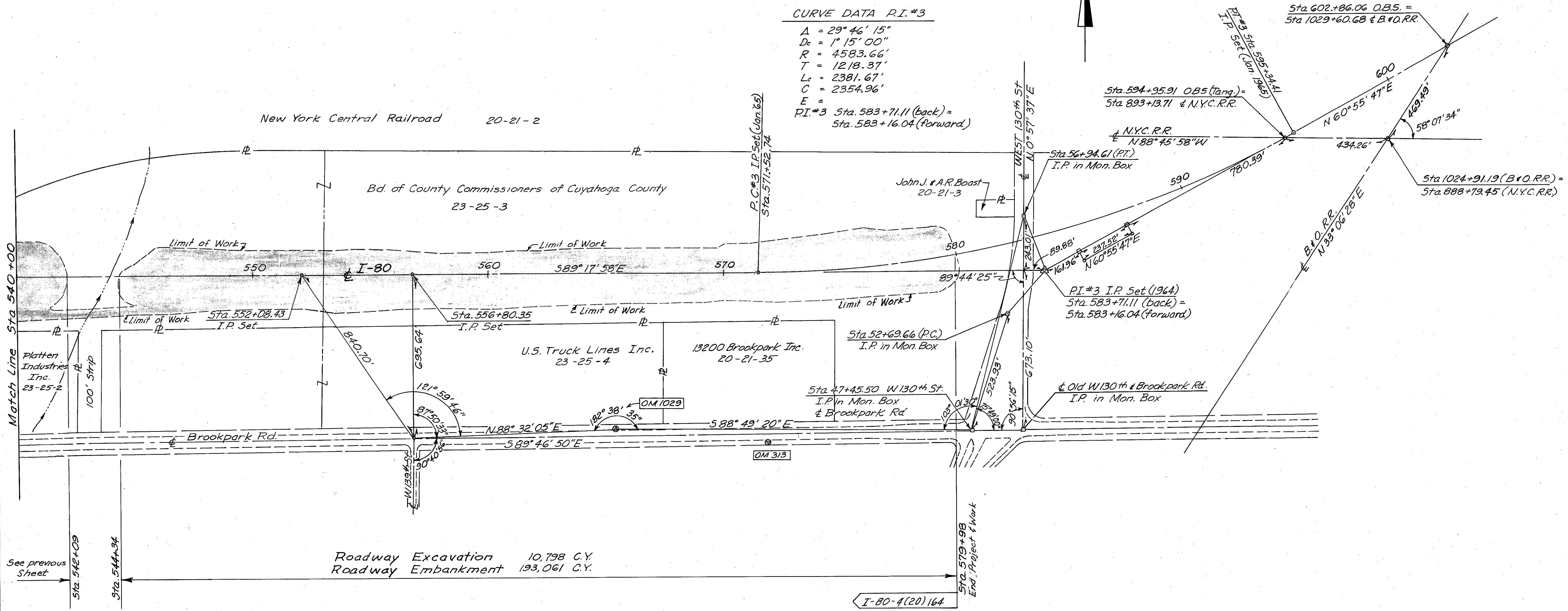
COMMERCIAL FERTILIZER (12-12-12)
65,751 x 9 x 0.02 = 2000 = 5.92 TONS
AGRICULTURAL LIMING MATERIAL
65,751 x 9 x 0.10 = 2000 = 29.59 TONS
ITEM E-9: 62 Each Trees And Stumps Removed
ITEM L-9: SEEDING AND PROTECTING TO BE PROVIDED 3 FEET BEYOND POINT OF SHOULDER ROUNDING AT INSIDE TOP OF SLOPE AND 2 FEET BEYOND LIMIT OF WORK.
ITEM I-8 STANDARD 1-2-B C.B. (Modified)
See Plan Profile Sta. 570+00 to Sta. 580+00
ITEM I-1 15' of 12" Pipe, Class E-1
ITEM E-11 2600 M Gal. Water

Begin Project Work Sta. 518+00
Roadway Exc. = 586 C.Y.
Roadway Emb. = 45,003 C.Y.
West 150th St.
Roadway Exc. = 110 C.Y.
Roadway Emb. = 84,133 C.Y.
West 150th St.
Sta. 530+10 Suspend Project Work
Resume Project Work Sta. 534+00
Roadway Exc. = 2716 C.Y.
Roadway Emb. = 206,006 C.Y.

FEDERAL AID CONSTRUCTION IDENTIFICATION SIGNS:
The Contractor shall furnish, erect, maintain and subsequently remove Federal Aid construction identification signs at each of the following locations:
West 130th Street
West 150th Street
Sign details shall be as specified on Standard Drawing FACI-1 "Code N-55(1)-132(3)". The signs shall be erected in accordance with Standard Drawing FACI-2. Additional requirements shall be in accordance with notes in the Proposal.

CURVE DATA P.I. #3

$\Delta = 29^\circ 46' 15''$
 $D_c = 1^\circ 15' 00''$
 $R = 4583.66'$
 $T = 1218.37'$
 $L_c = 2381.67'$
 $C = 2354.96'$
 $E =$
 P.I. #3 Sta. 583+71.11 (back) =
 Sta. 583+16.04 (forward)

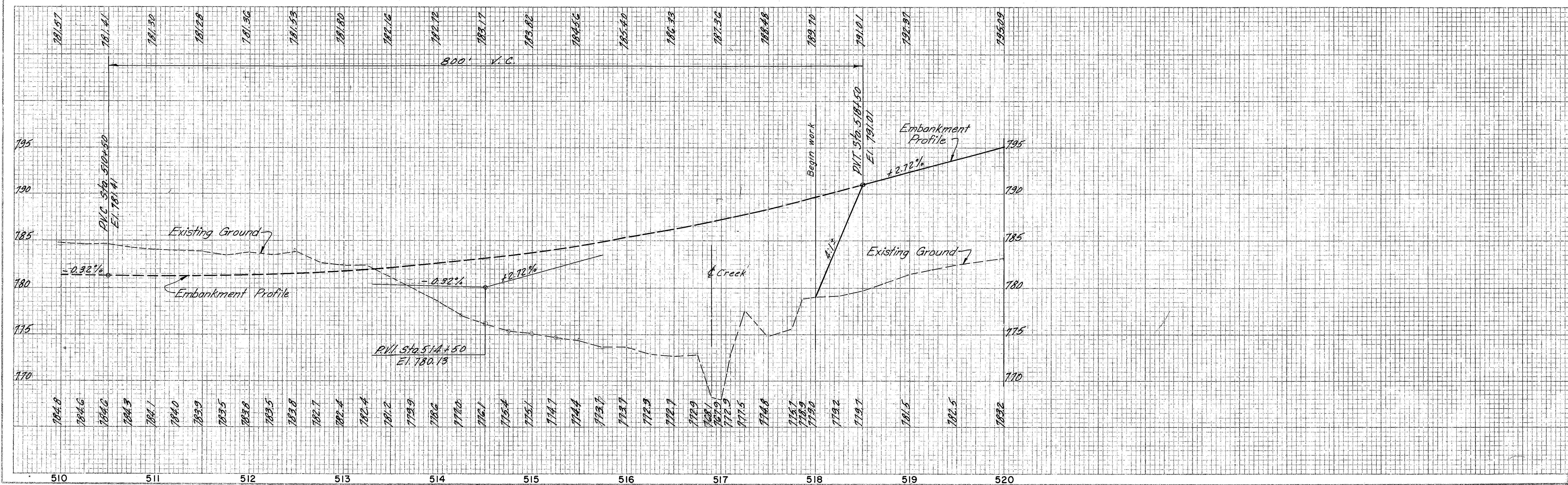
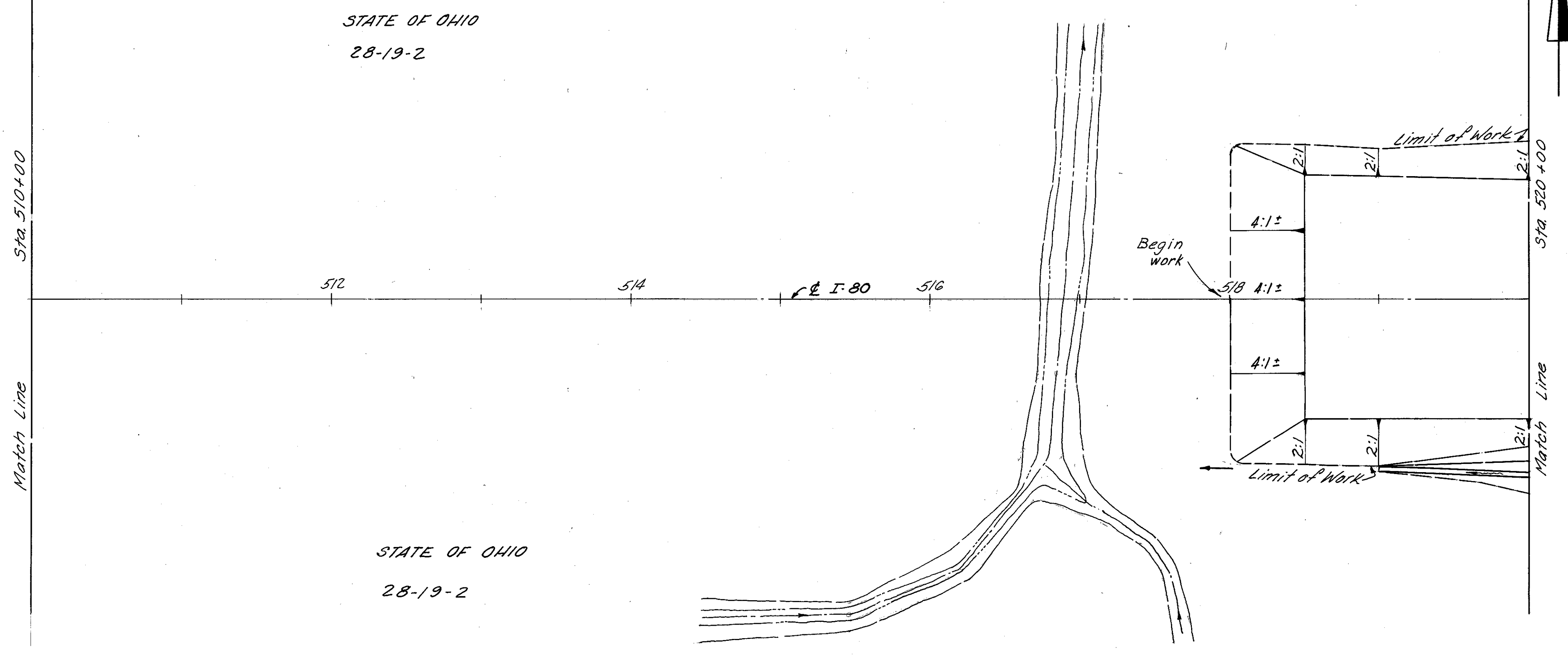


B.M. #77 Elev. 787.873
 Most Westerly Nut on top ring of
 Fire Hydrant N.Y.C. R.R. Yard
 Approx. 2000' W. of W. 150th St.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

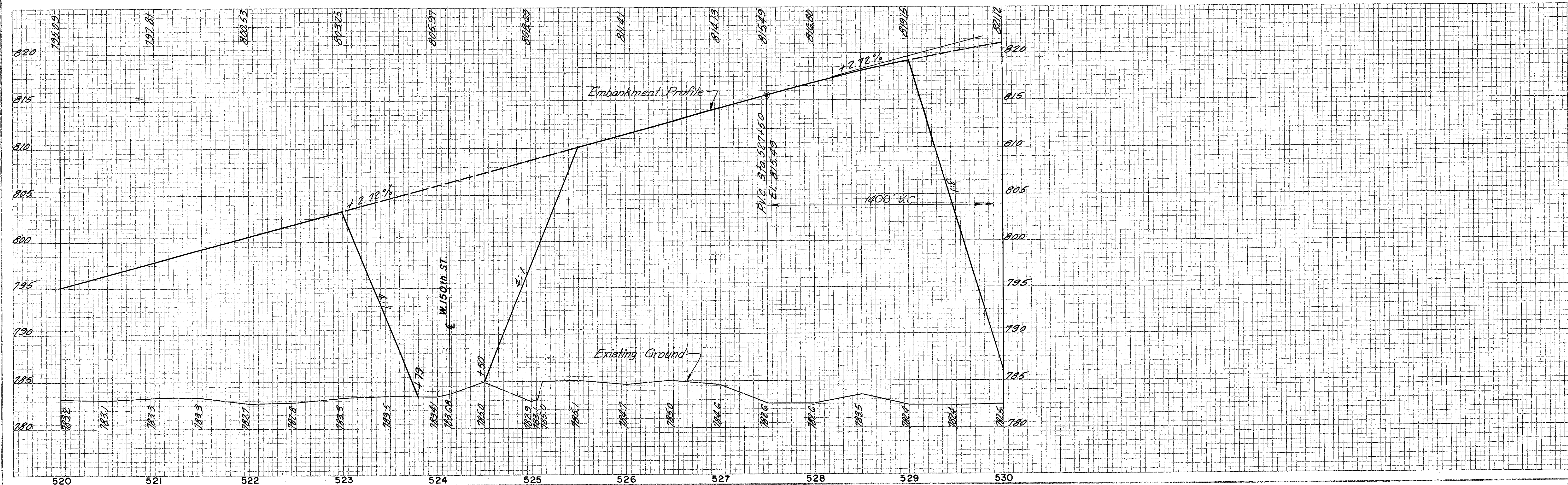
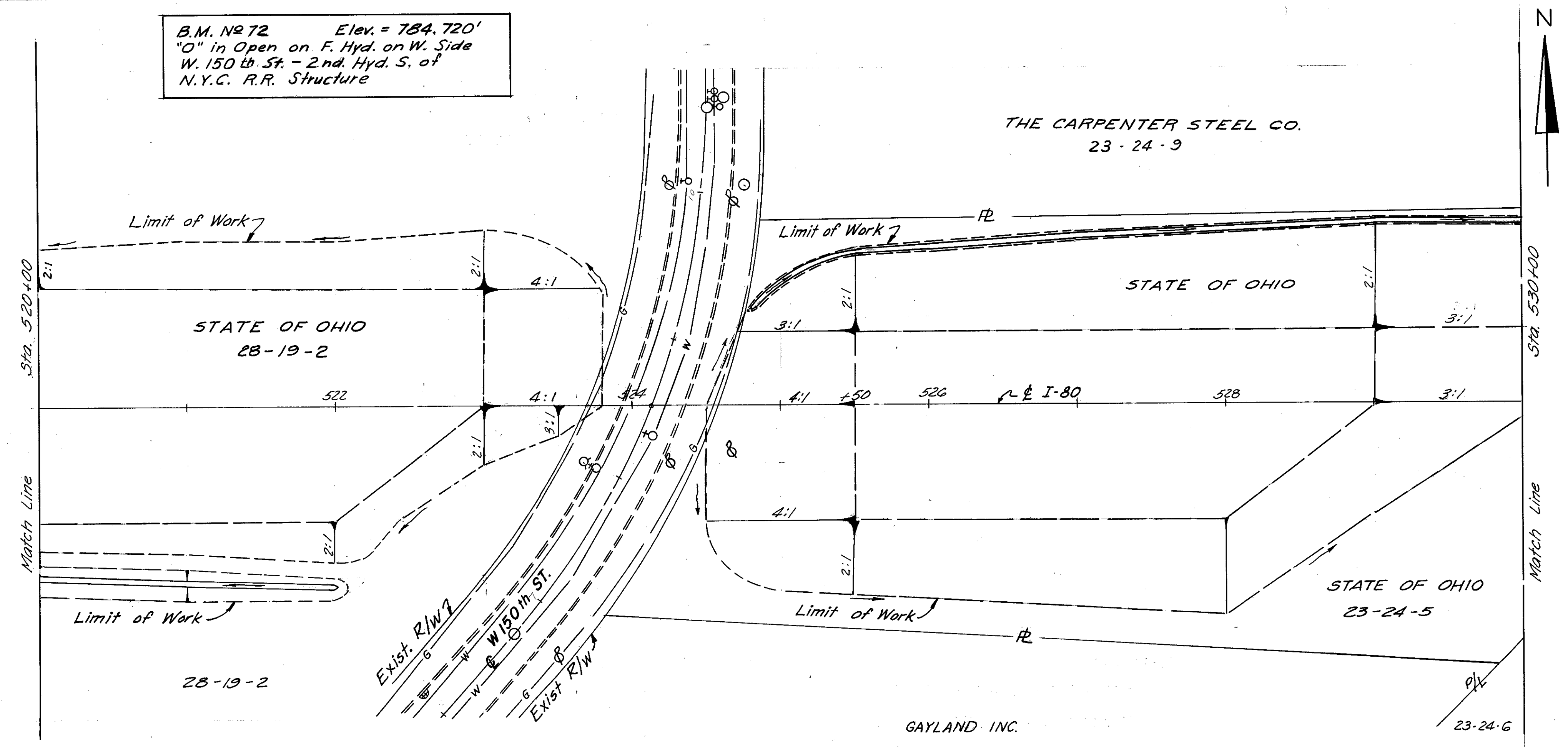
4
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CUY-80-908



CUY-80-9.08

B.M. No 72 Elev. = 784.720'
"O" in Open on F. Hyd. on W. Side
W. 150th St. - 2nd. Hyd. S. of
N.Y.C. R.R. Structure



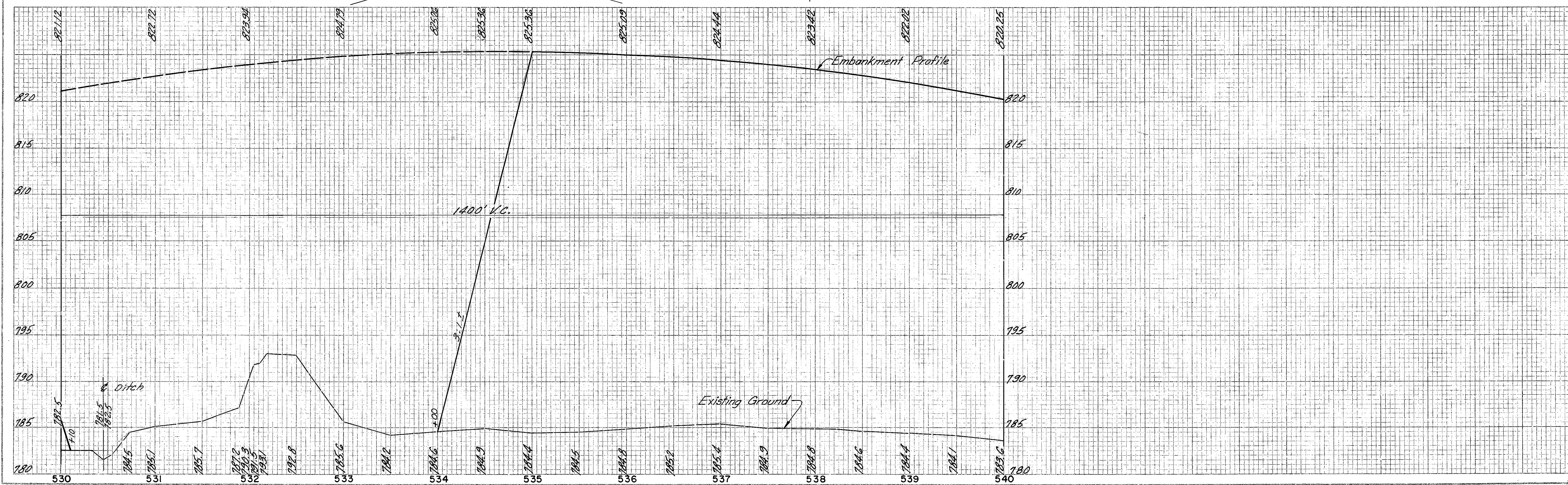
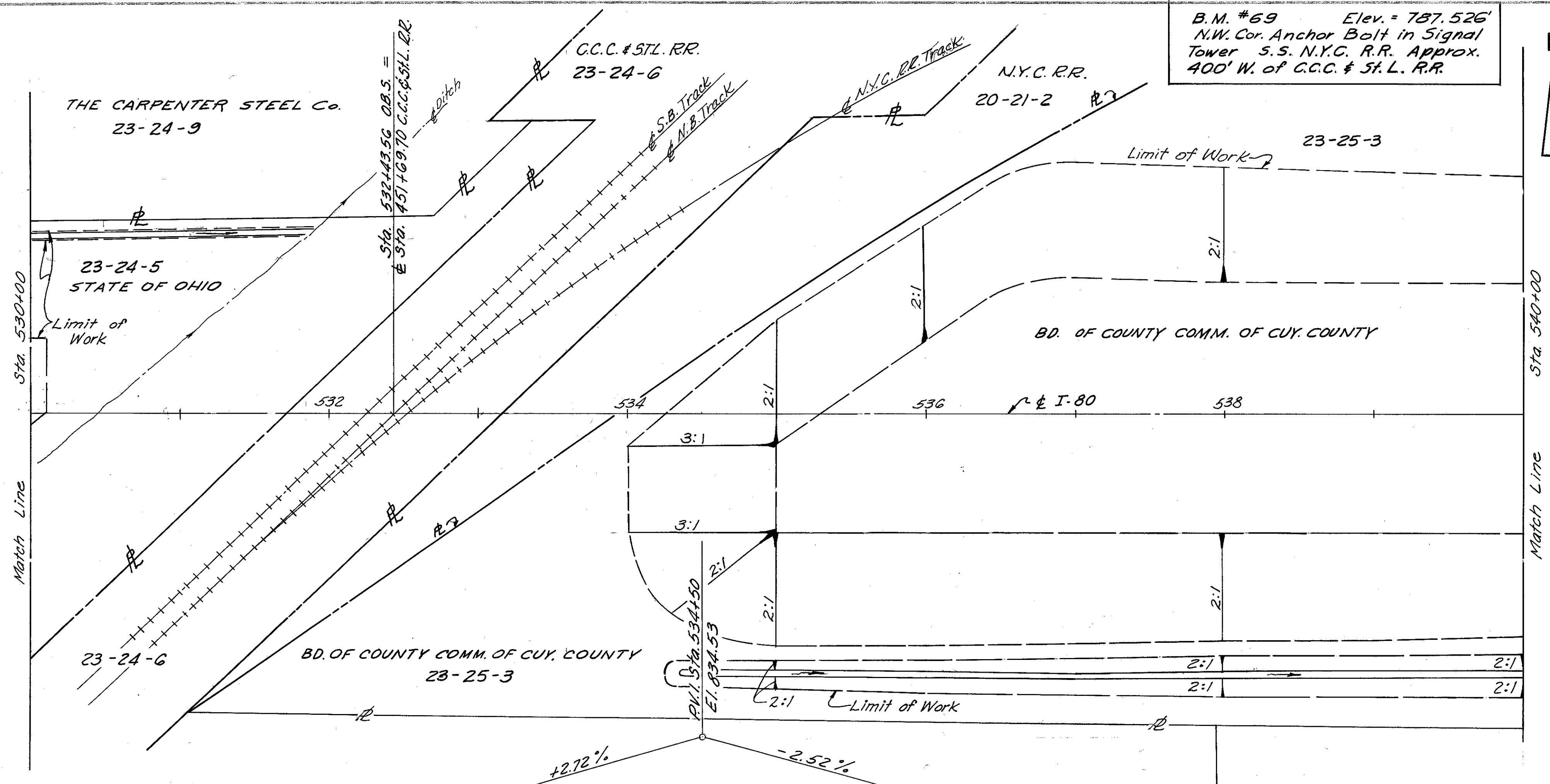
I-80 PLAN & PROFILE STA. 520+00 TO STA. 530+00

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

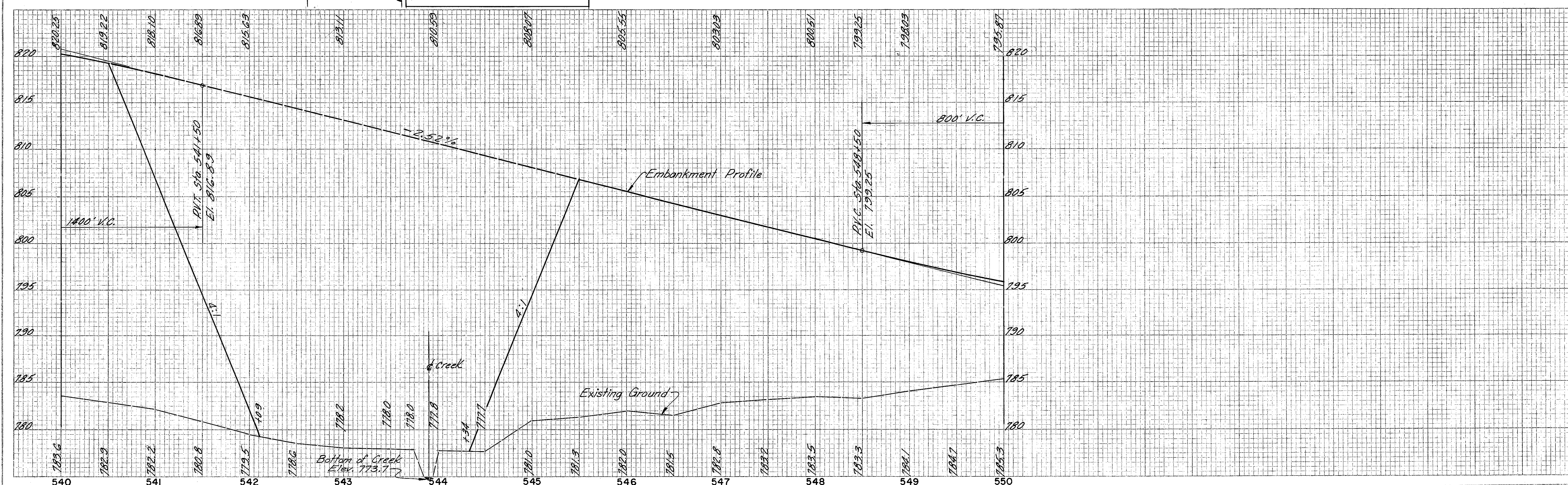
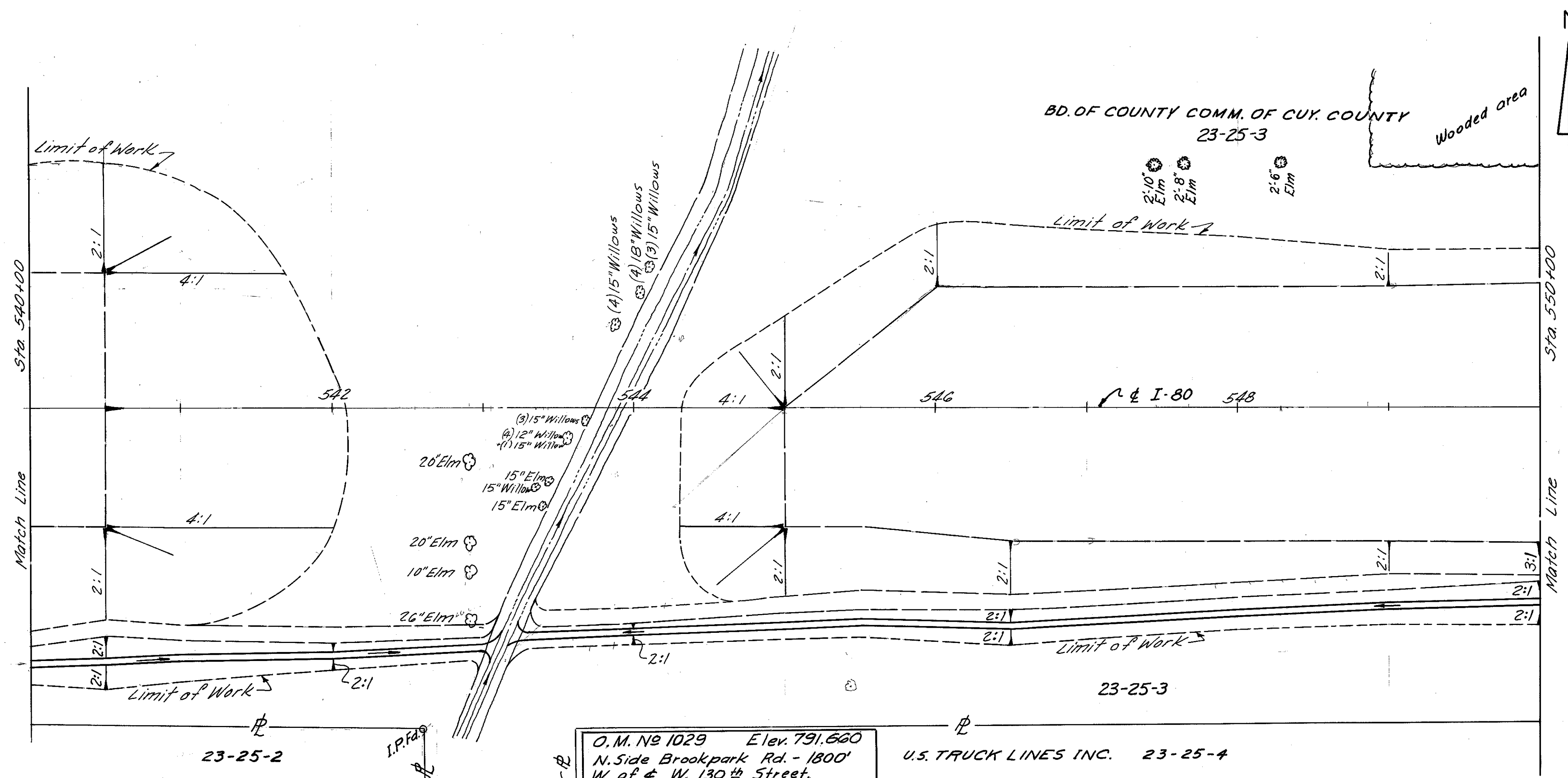
6
42

CUY-80-9.08

B.M. #69 Elev. = 787.526'
N.W. Cor. Anchor Bolt in Signal
Tower S.S. N.Y.C. R.R. Approx.
400' W. of C.C.C. & St. L. R.R.



I-80 PLAN & PROFILE STA.530+00 TO STA.540+00

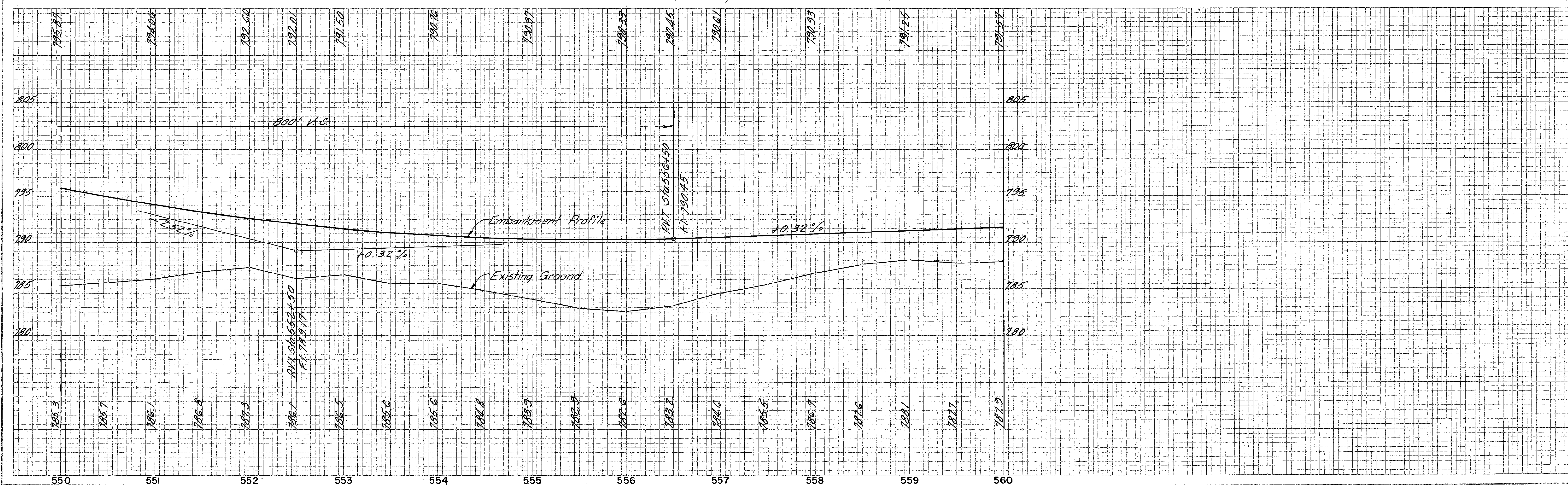
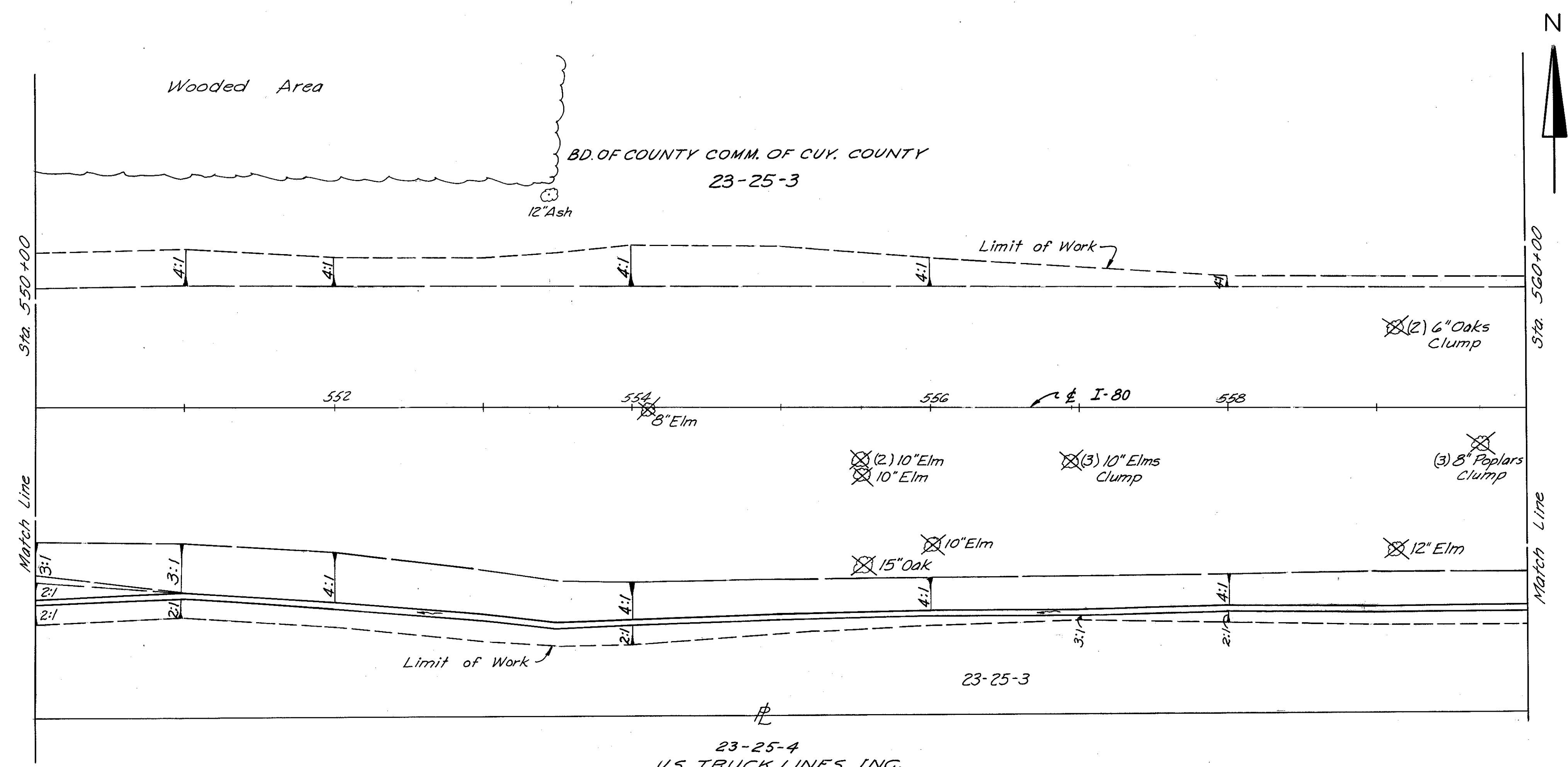


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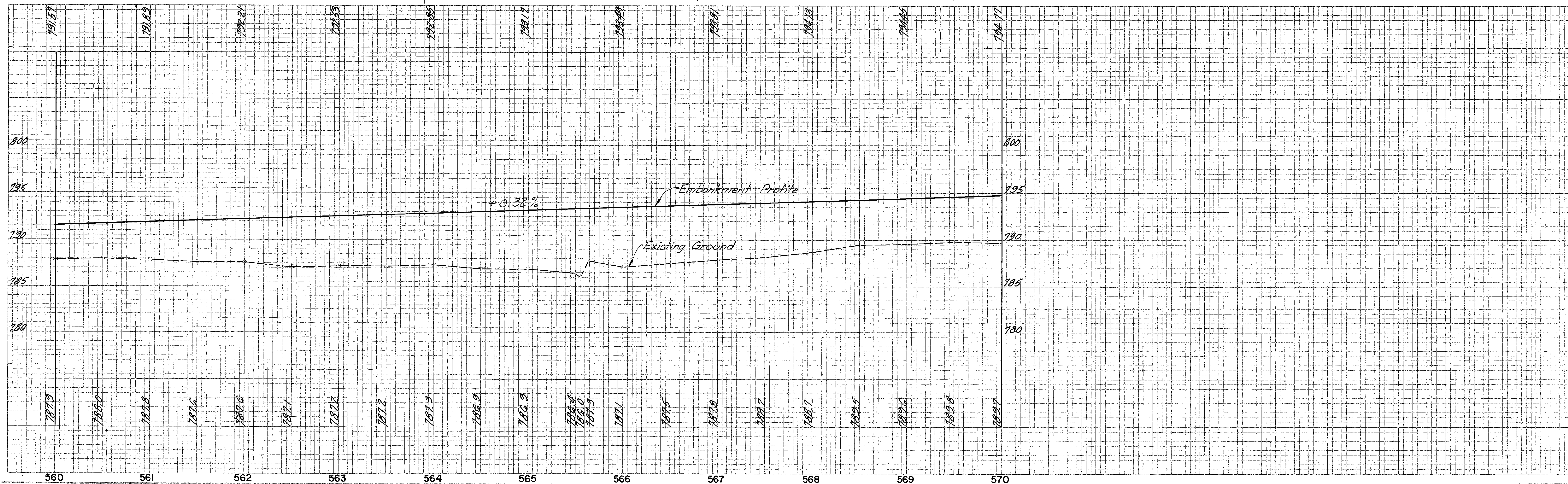
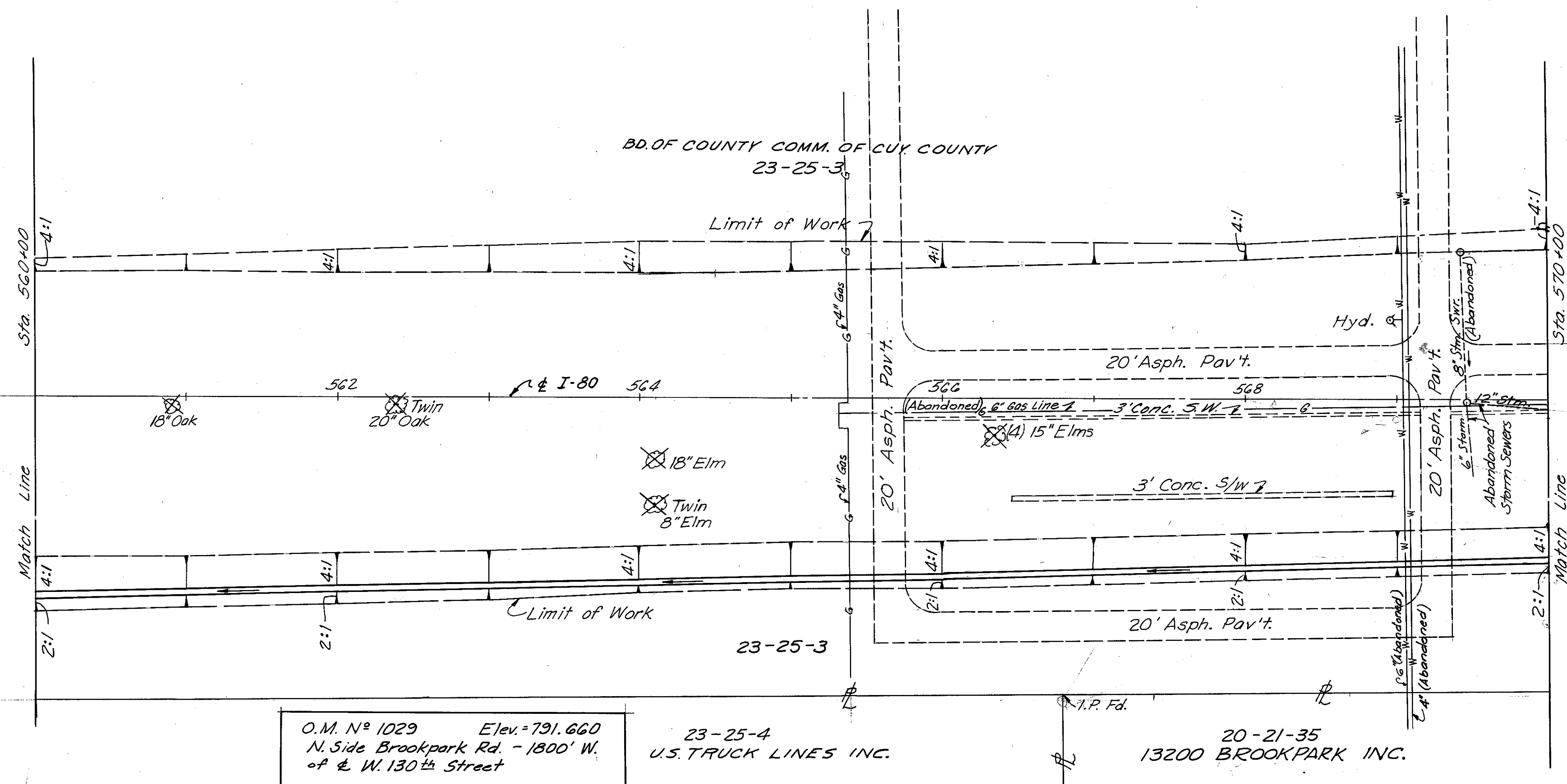
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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I-80 PLAN & PROFILE STA.550+00 TO STA.560+00



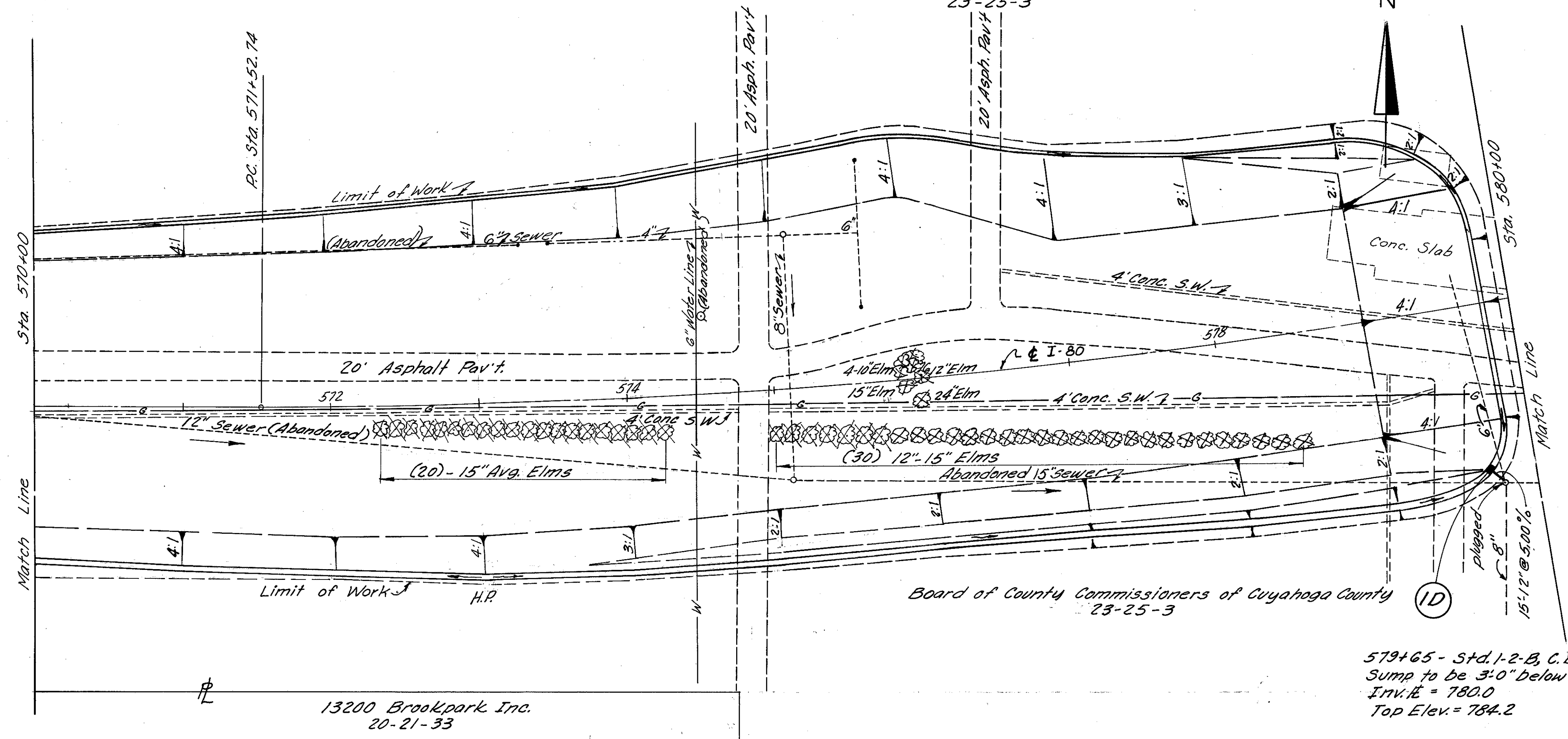
I-80 PLAN & PROFILE STA. 560+00 TO STA. 570+00

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Board of County Commissioners of Cuyahoga County
23-25-3



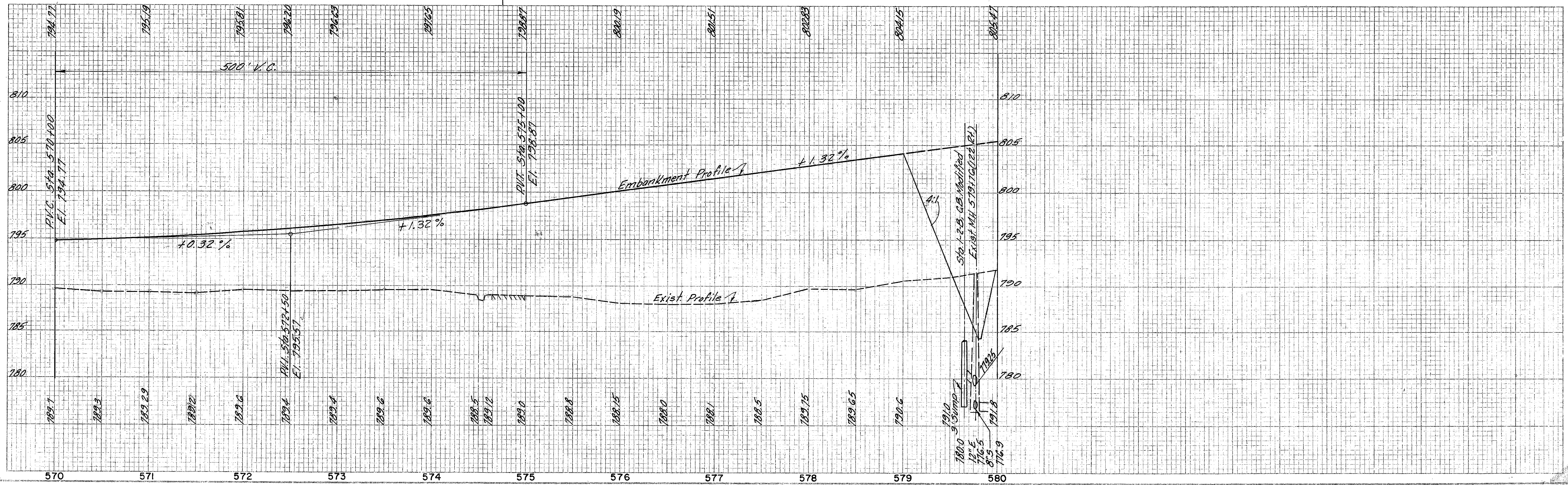
B.M.# 63 Elev. = 793.207
S.E. Cor. Anchor Bolt in name plate
"Built by King Bridge Co."
N.E. Cor. N.Y.C. RR Structure @
W. 130th St.



Board of County Commissioners of Cuyahoga County
23-25-3

579+65 - Std. 1-2-B, C.B. (Modified,
Sump to be 3'-0" below E.)
Inv. E = 780.0
Top Elev. = 784.2

13200 Brookpark Inc.
20-21-33

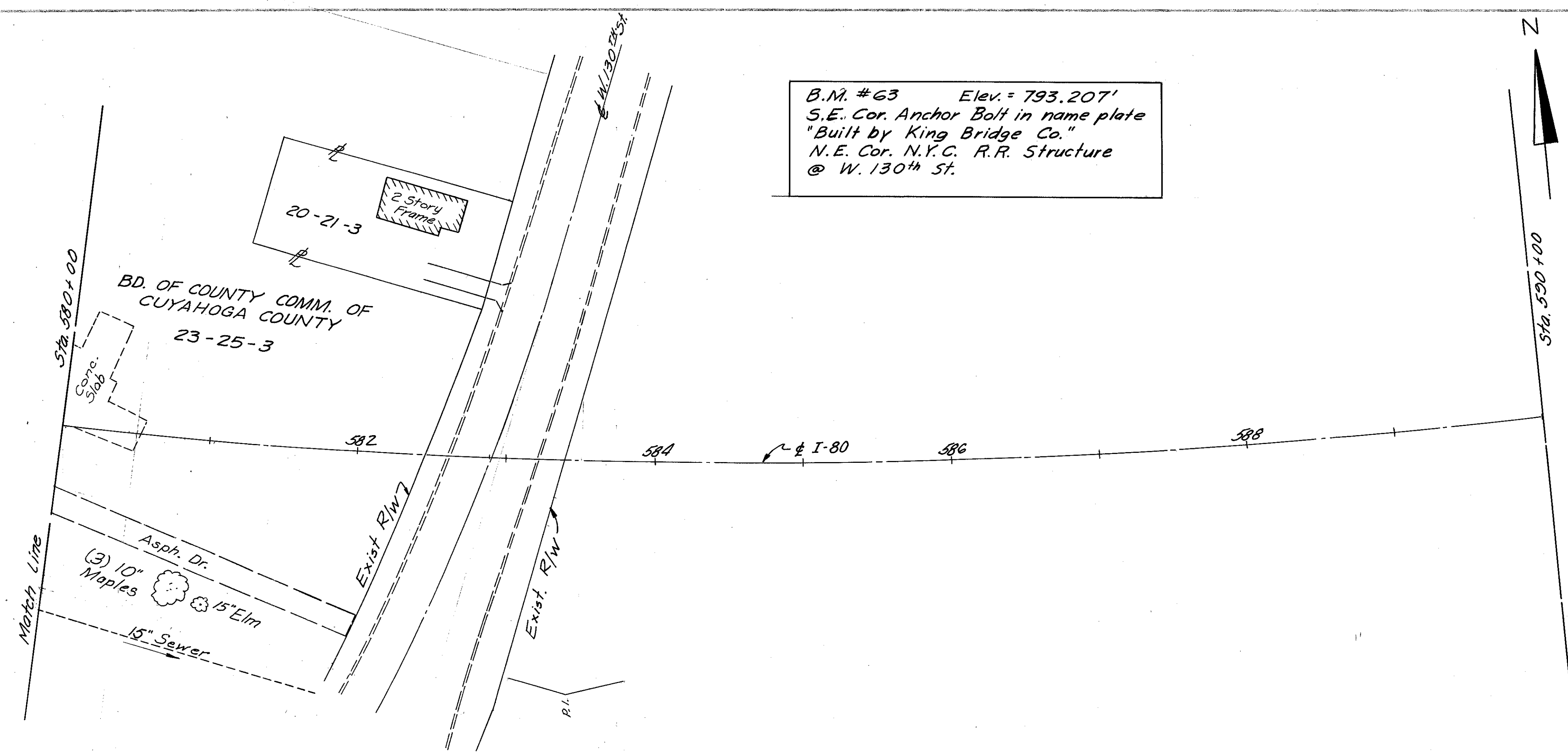


I-80 PLAN & PROFILE STA. 570+00 TO STA. 580+00

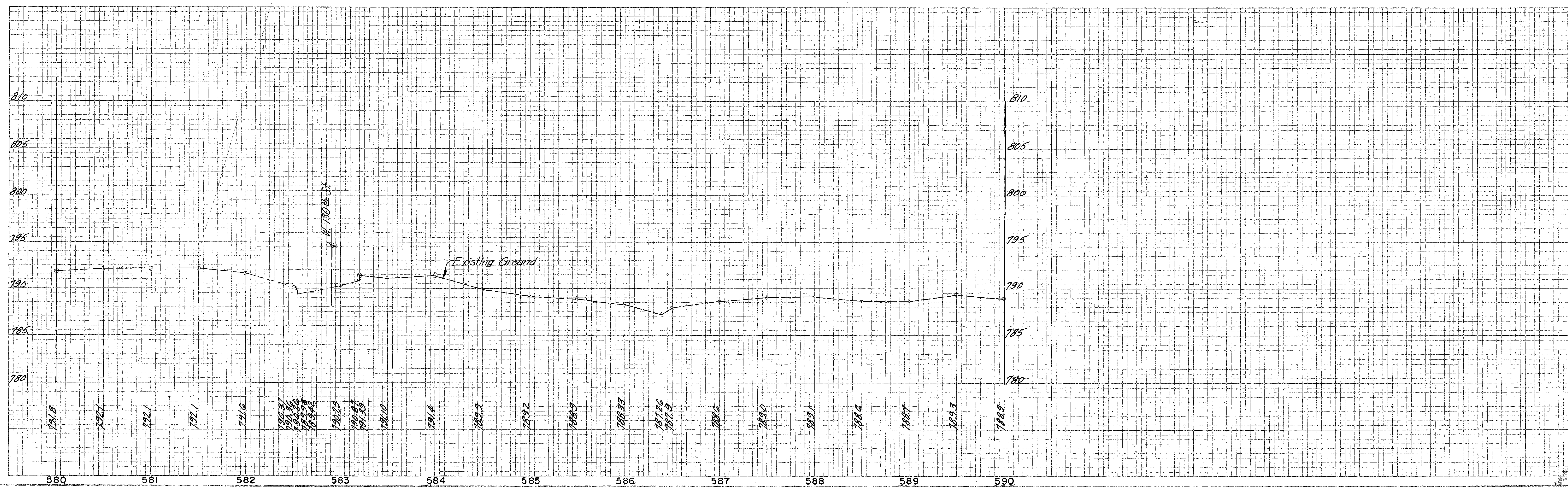
FED. RD. DIVISION	STATE	PROJECT
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B.M. #63 Elev. = 793.207'
 S.E. Cor. Anchor Bolt in name plate
 "Built by King Bridge Co."
 N.E. Cor. N.Y.C. R.R. Structure
 @ W. 130th St.



I-80 PLAN & PROFILE STA.580+00 TO STA.590+00

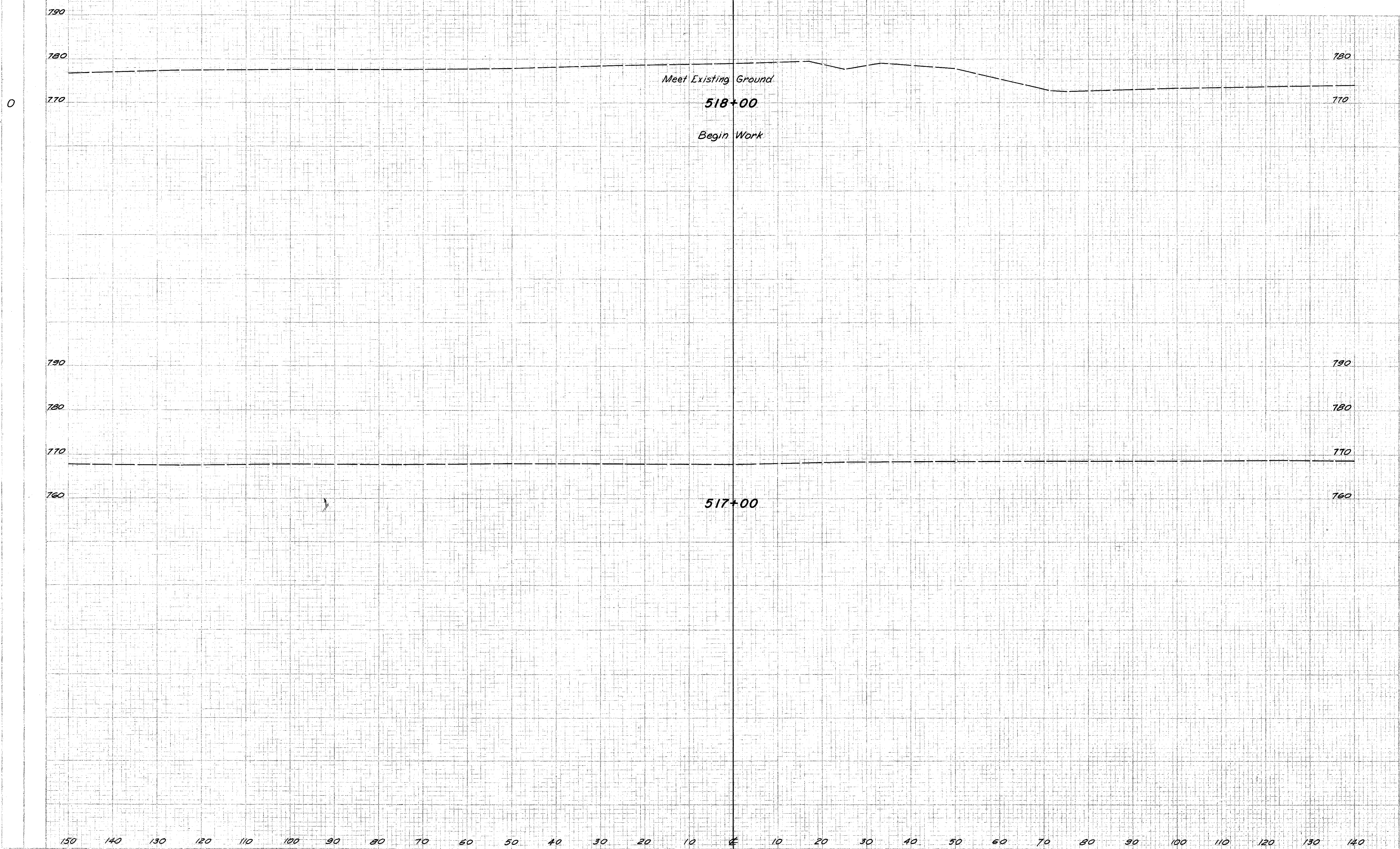
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SEEKING
END
INDEX

FED. RD DISTRICT	STATE	PROJECT	
2	OHIO		

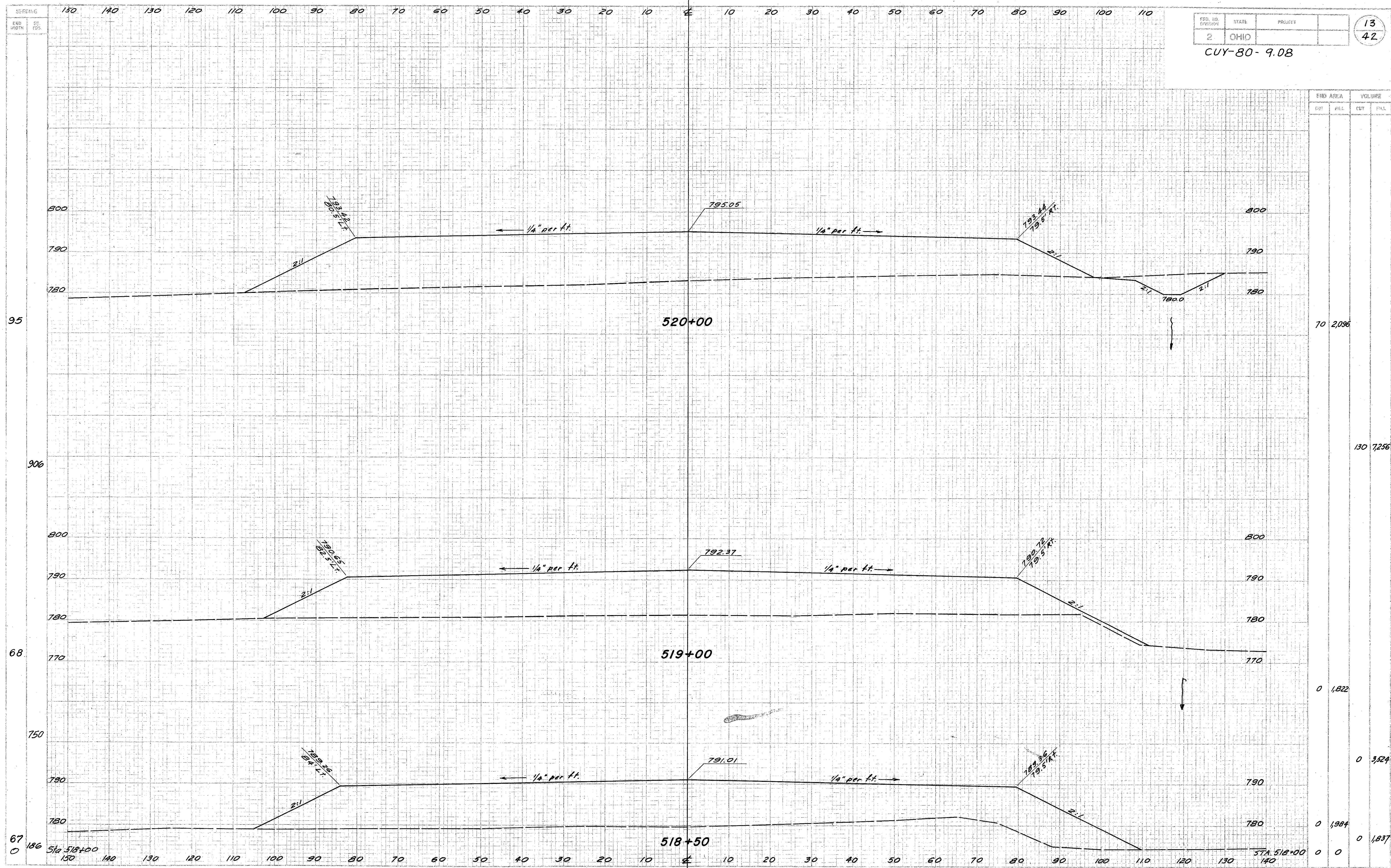
CUY-80-908

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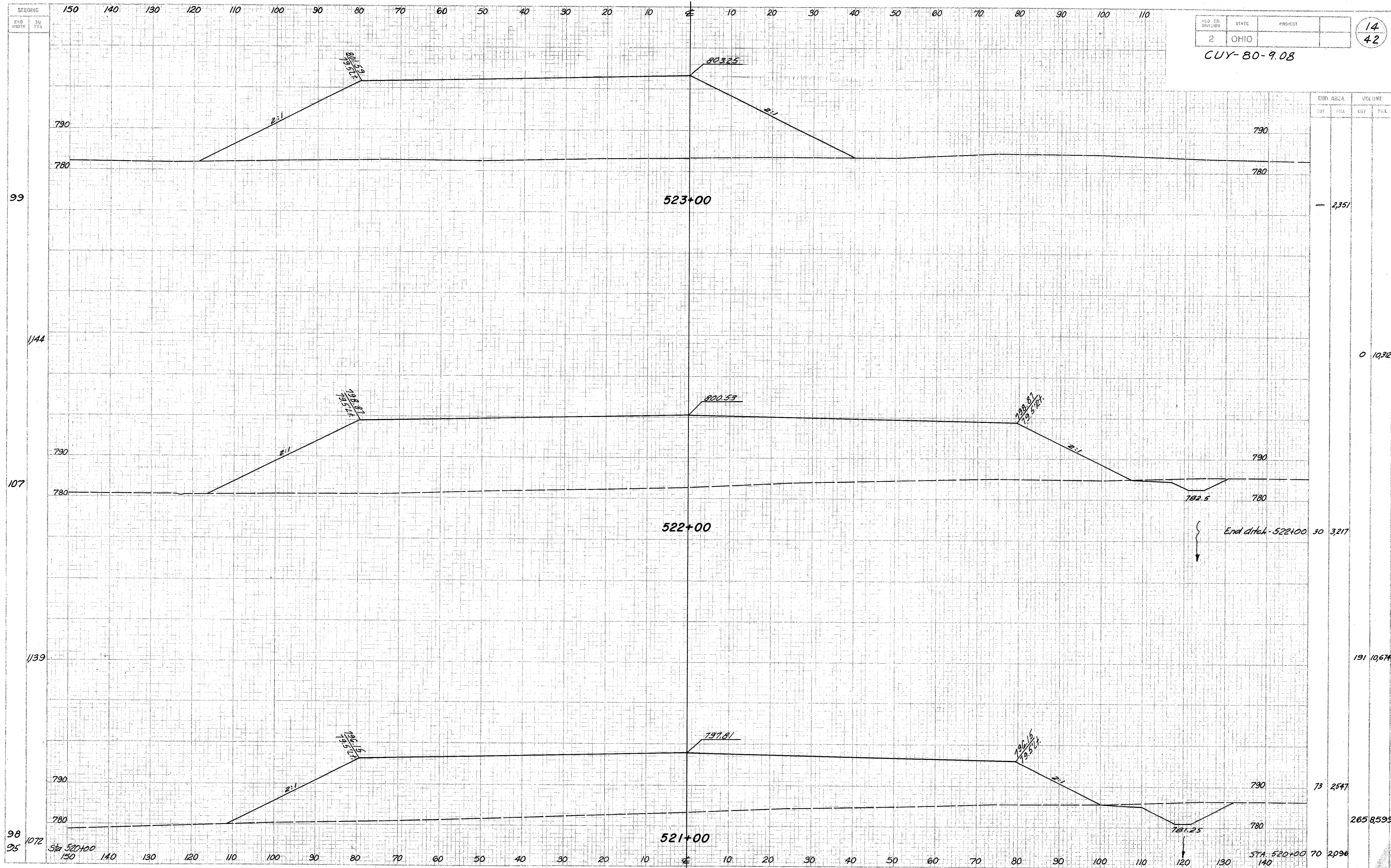


CROSS AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0		

I-80 CROSS-SECTIONS STA. 517+00 TO STA. 518+00



I-80 CROSS-SECTIONS STA. 518+50 TO STA. 520+00



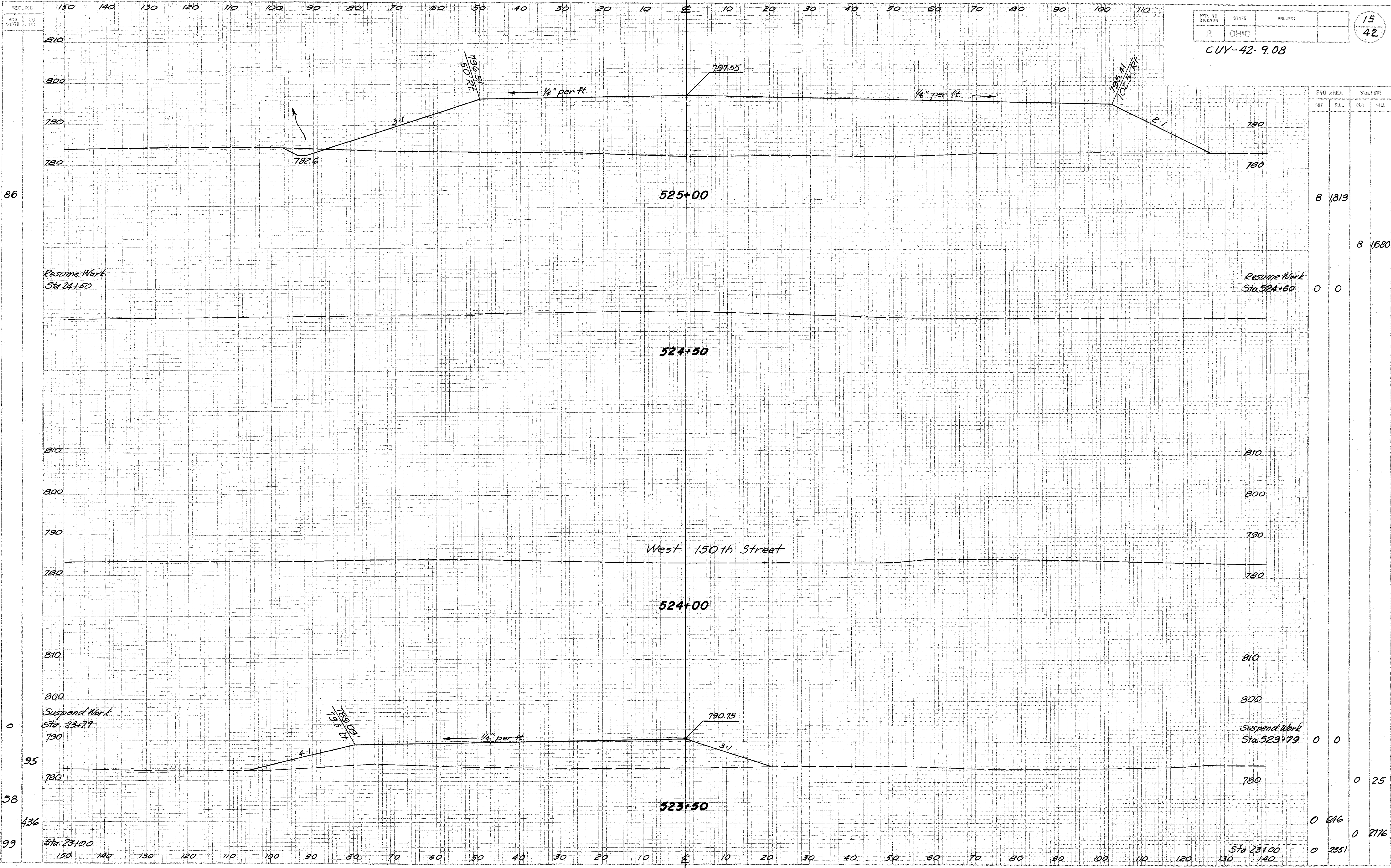
NO. OF DIVISION	STATE	PROJECT	
2	OHIO		

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STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
523+00			2,351	
522+00			10,312	
521+00			3,217	
TOTAL			191,067	
			265,859	

I-80 CROSS-SECTIONS STA. 521+00 TO STA. 523+00

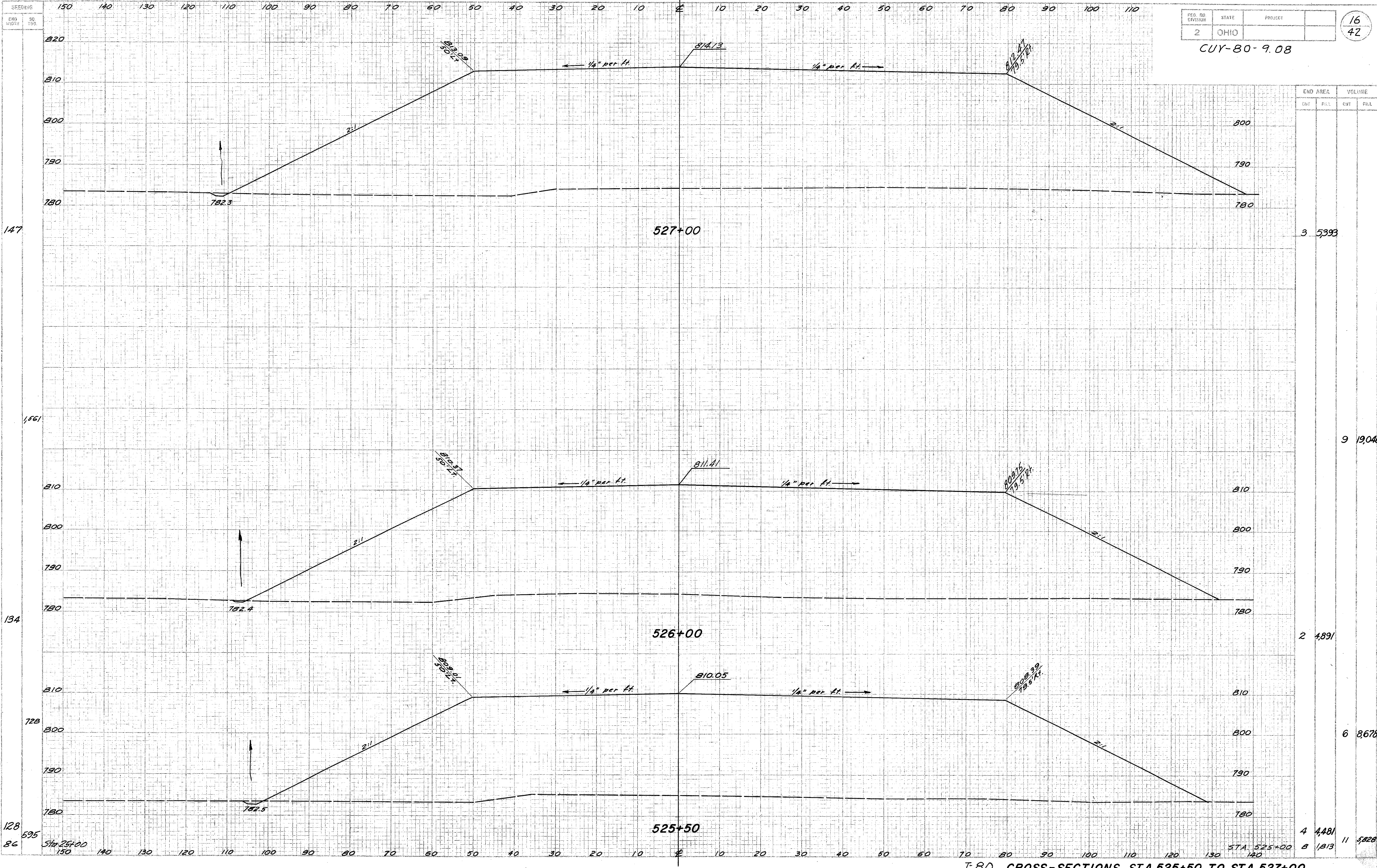


FED. RD. DIVISION	STATE	PROJECT	15
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STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
525+00	8	1813		
524+50	0	0	8	1680
524+60	0	0		
523+79	0	0	0	25
523+100	0	646	0	2776
523+140	0	2351		

I-80 CROSS-SECTIONS STA. 523+50 TO STA. 525+00

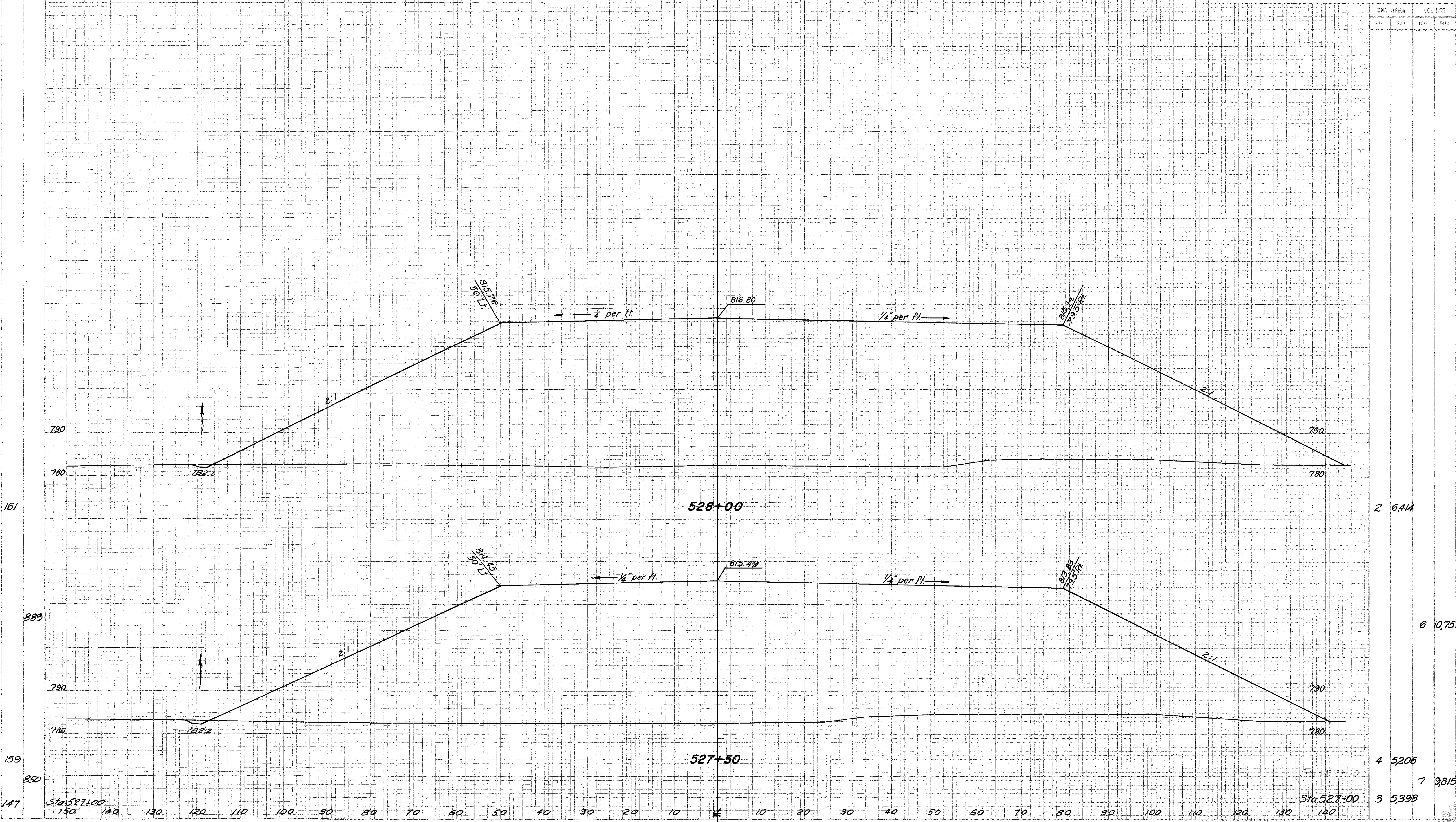


STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
525+00	4	4,481	8	1,813
526+00	2	4,891	9	19,046
527+00	3	5,393	6	8,678

I-80 CROSS-SECTIONS STA. 525+50 TO STA. 527+00

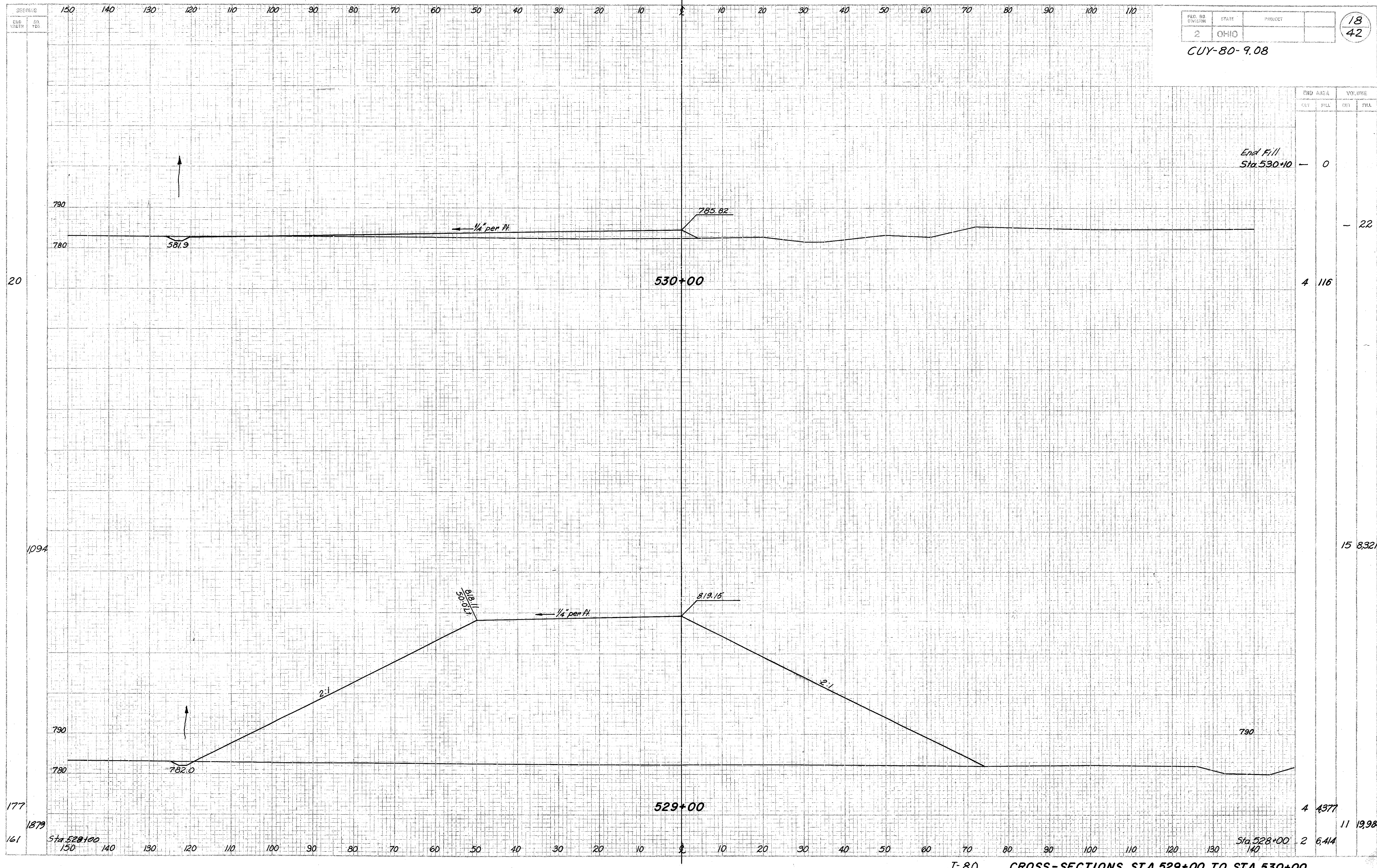
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CUY-80-9.08



END AREA	VOLUME	
	CUT	FILL
2	6,414	
4	5,206	
7	9,815	
3	5,393	

I-80 CROSS-SECTIONS STA. 527+50 TO STA. 528+00



END AREA	VOLUME	
	CUT	FILL
0		
22		
116		
8321		
4377		
6414		

I-80 CROSS-SECTIONS STA. 529+00 TO STA. 530+00

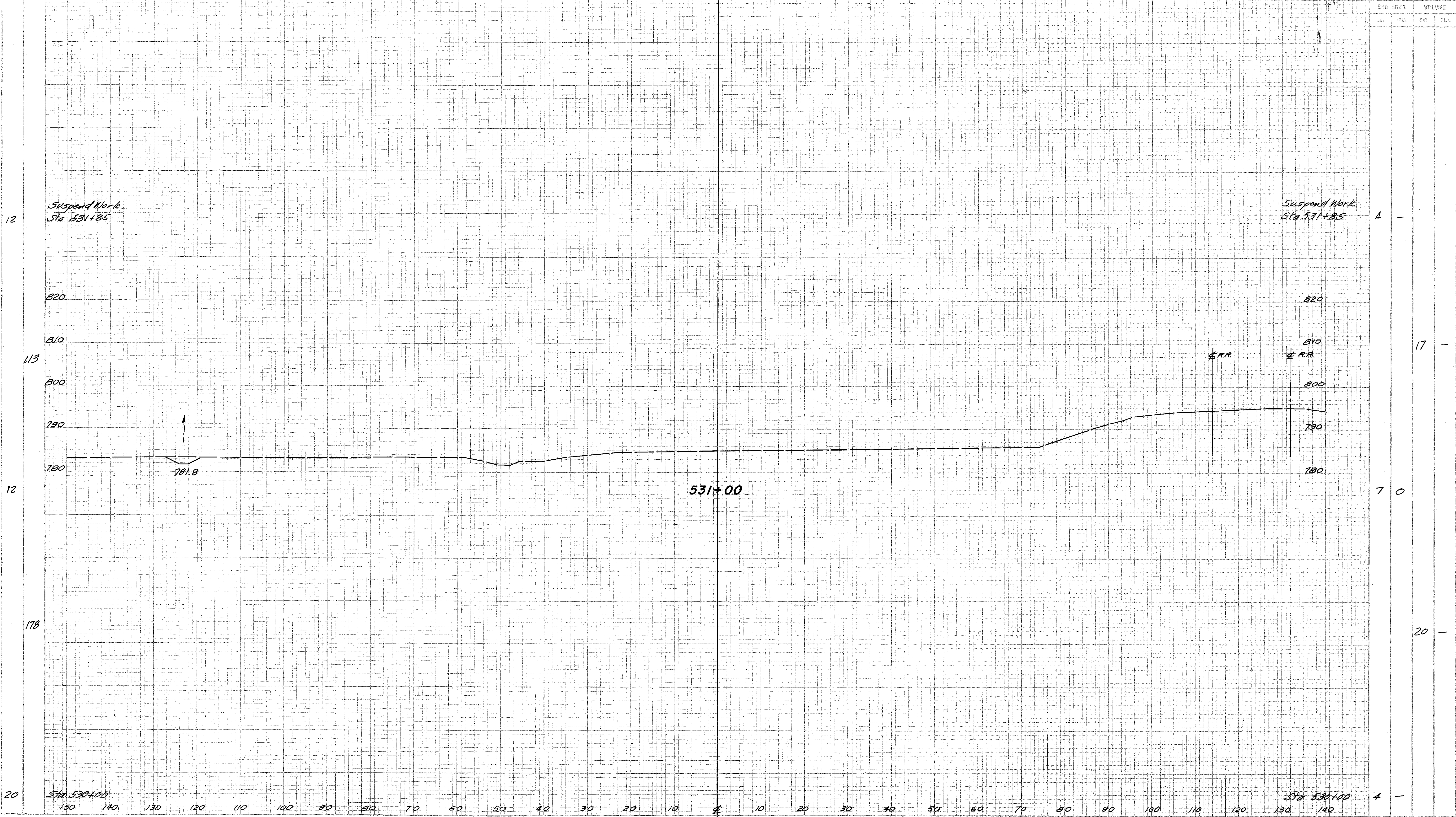
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END WIDTH 30 YDS.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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END AREA	VOLUME	
	CUT	FILL
4	-	-
17	-	-
70	-	-
20	-	-
4	-	-

I 80 CROSS-SECTIONS STA. 530+50 TO STA. 531+00

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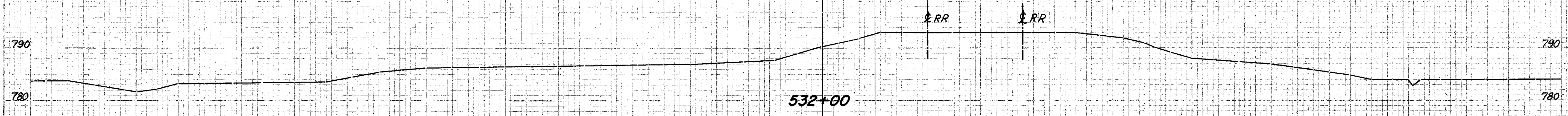
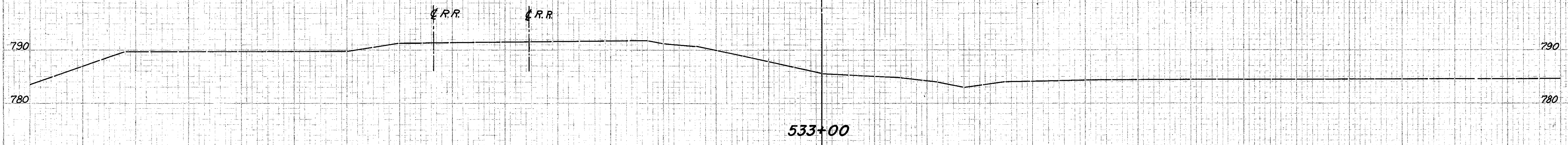
SEEDING
END WIDTH
36
1/2
YDS.

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END AREA		VOLUME	
CUT	FILL	CUT	FILL



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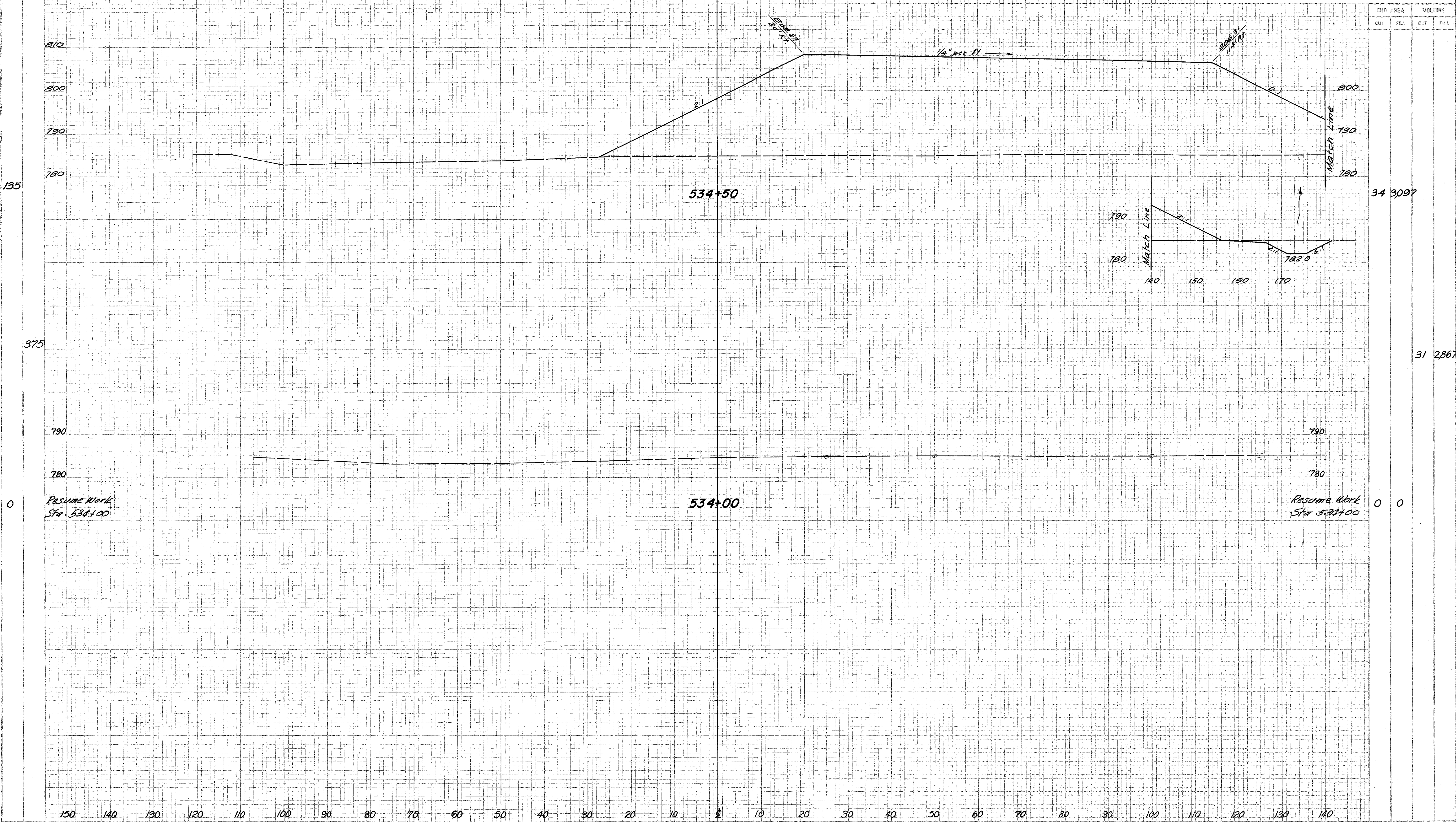
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135

375

0

810

800

790

780

790

780

Resume Work
Sta 534+00

534+50

534+00

800

790

780

790

780

782.0

790

780

Resume Work
Sta 534+00

34 3097

31 2867

0 0

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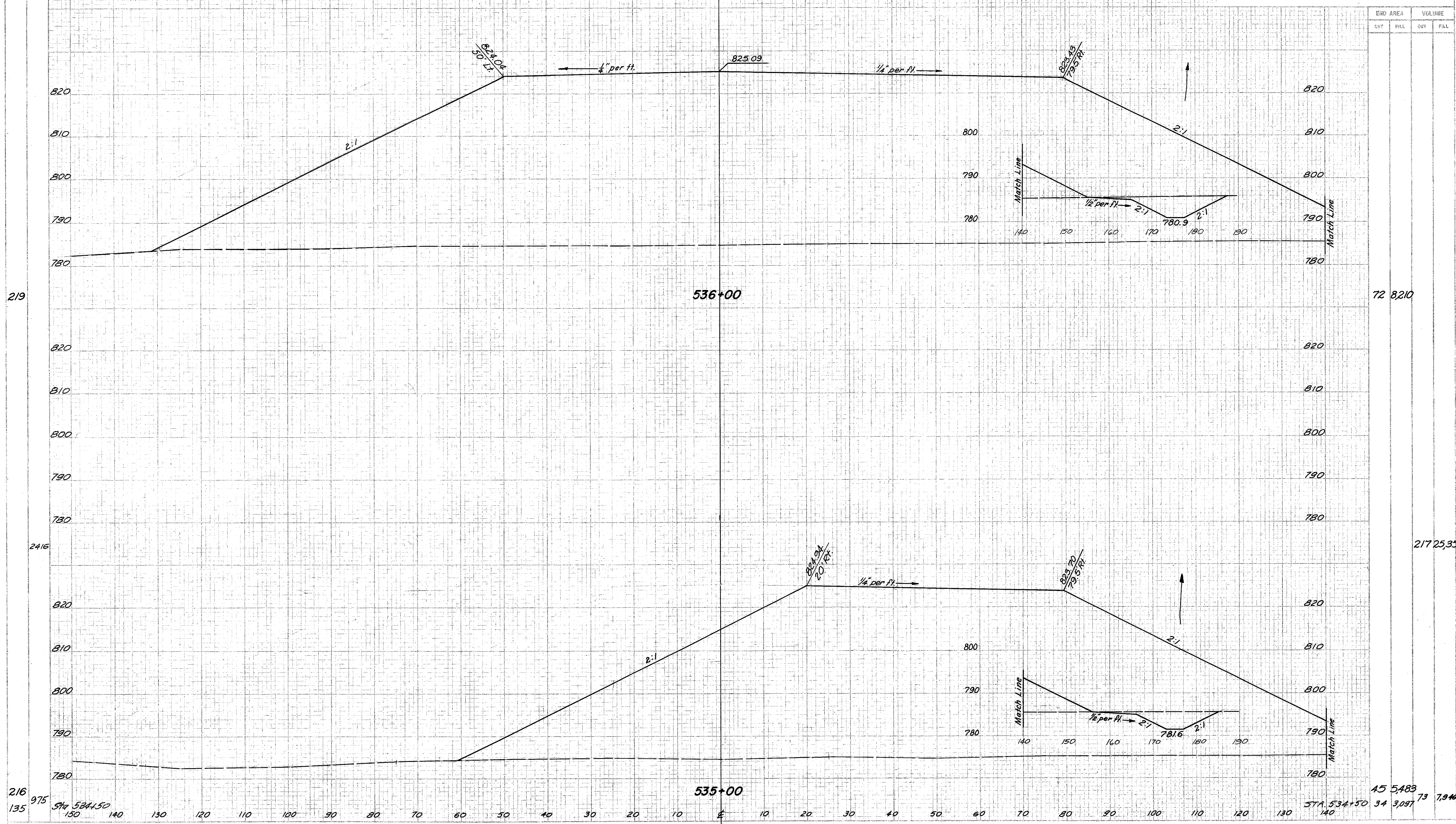
I-80 CROSS-SECTIONS STA. 534+00 TO STA. 534+50

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

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END AREA		VOLUME	
CUT	FILL	CUT	FILL

219

72 8,210

2416

217 25,359

216
135

45 5,483
34 3,097
73 7,946

Sta 534+50
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

STA 534+50

I-80 CROSS-SECTIONS STA. 535+00 TO STA. 536+00

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

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END AREA		VOLUME	
CUT	FILL	CUT	FILL

820 820

810

800

790

780

820 820

810 810

800 800

790 790

780 780

217

537+00

83 9,515

820

810

242

800

287 32,824

790

780

Sta. 536+00 72 8210

219

Sta. 536+00

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

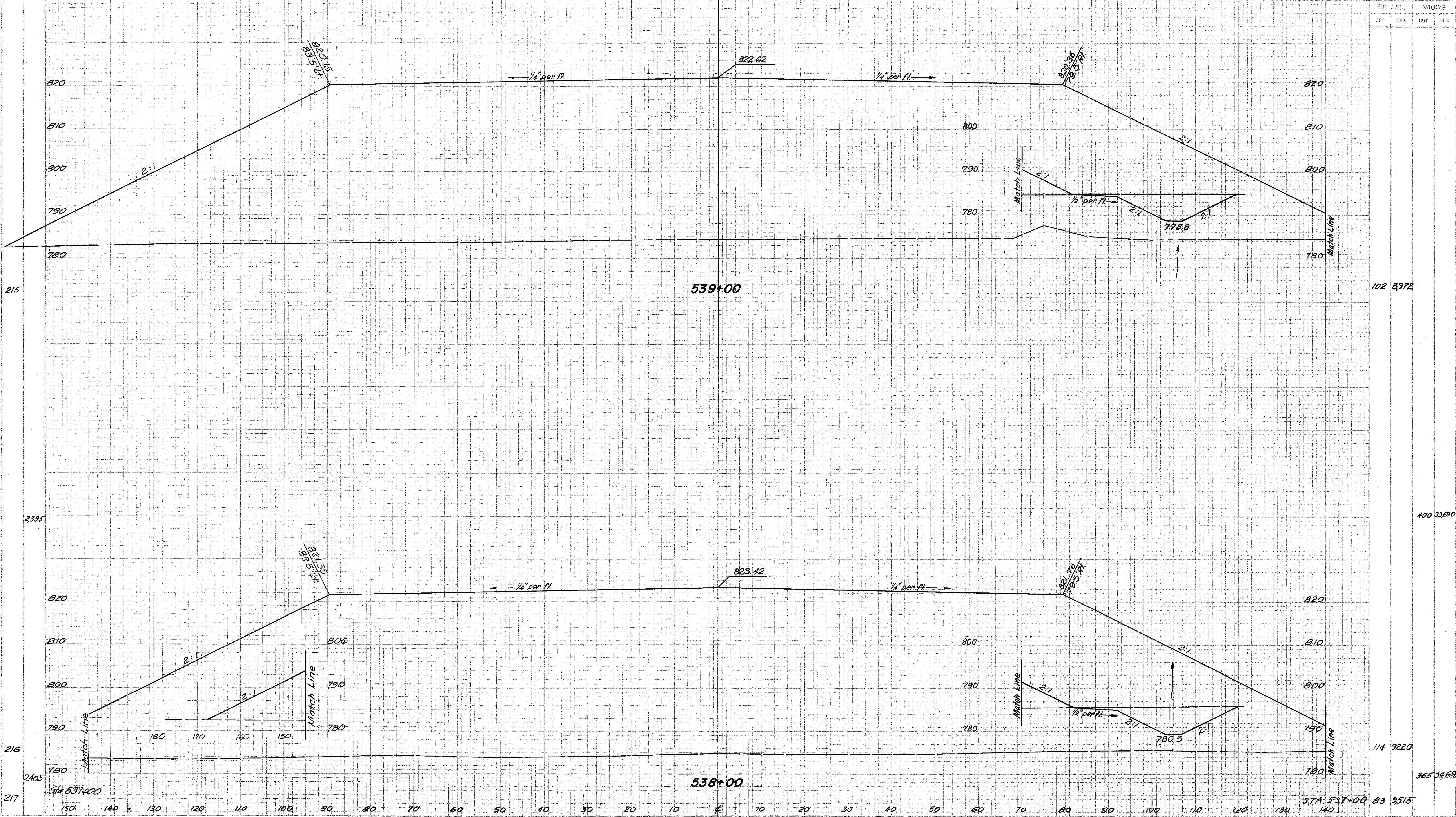
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SEEKING
END
VDY
50
YDS

FED. RD. DIVISION	STATE	PROJECT
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END AREA		VOLUME	
CUT	FILL	CUT	FILL

102 8372

400 33690

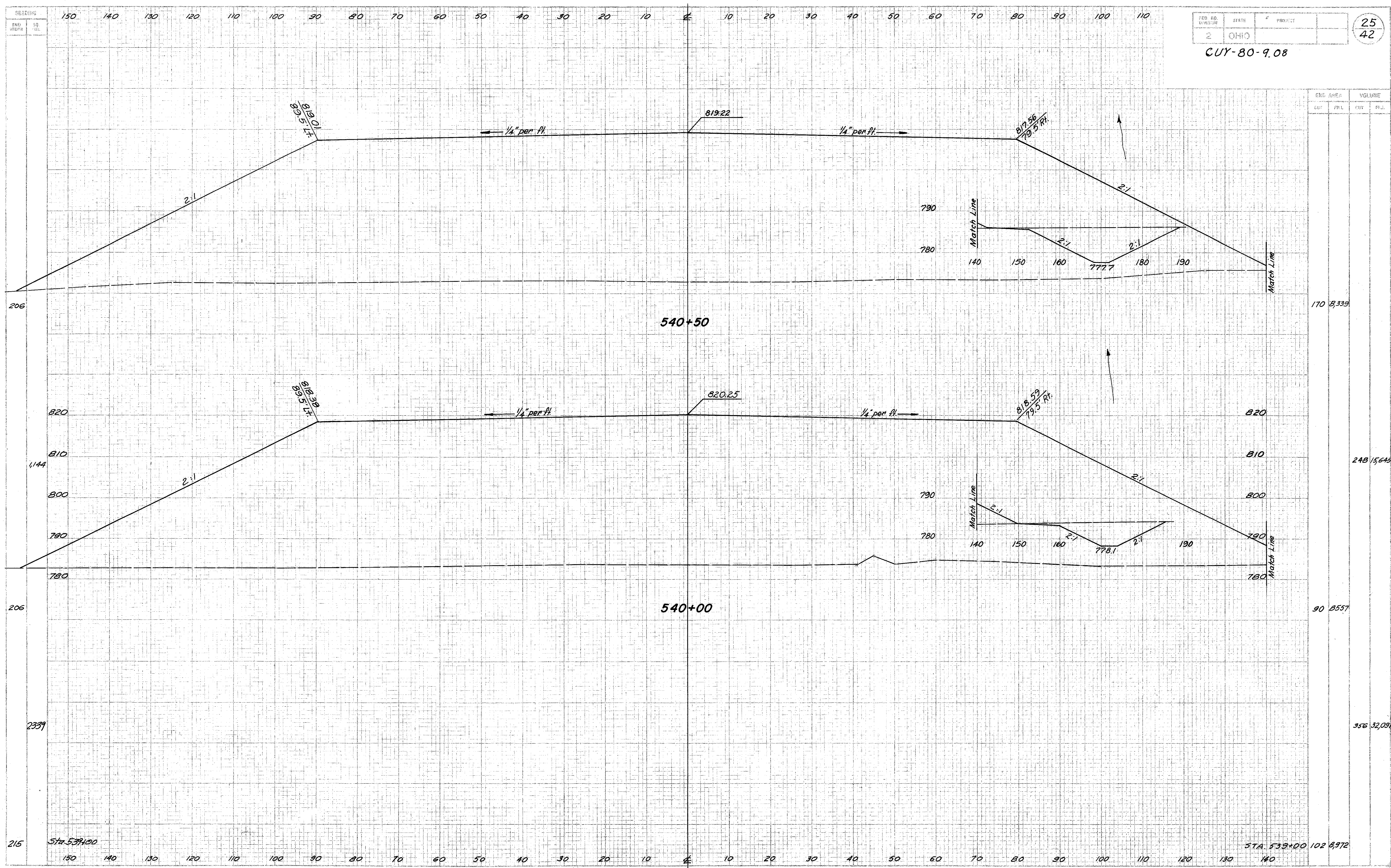
114 9220

365 34635

STA 537+00 83 9515

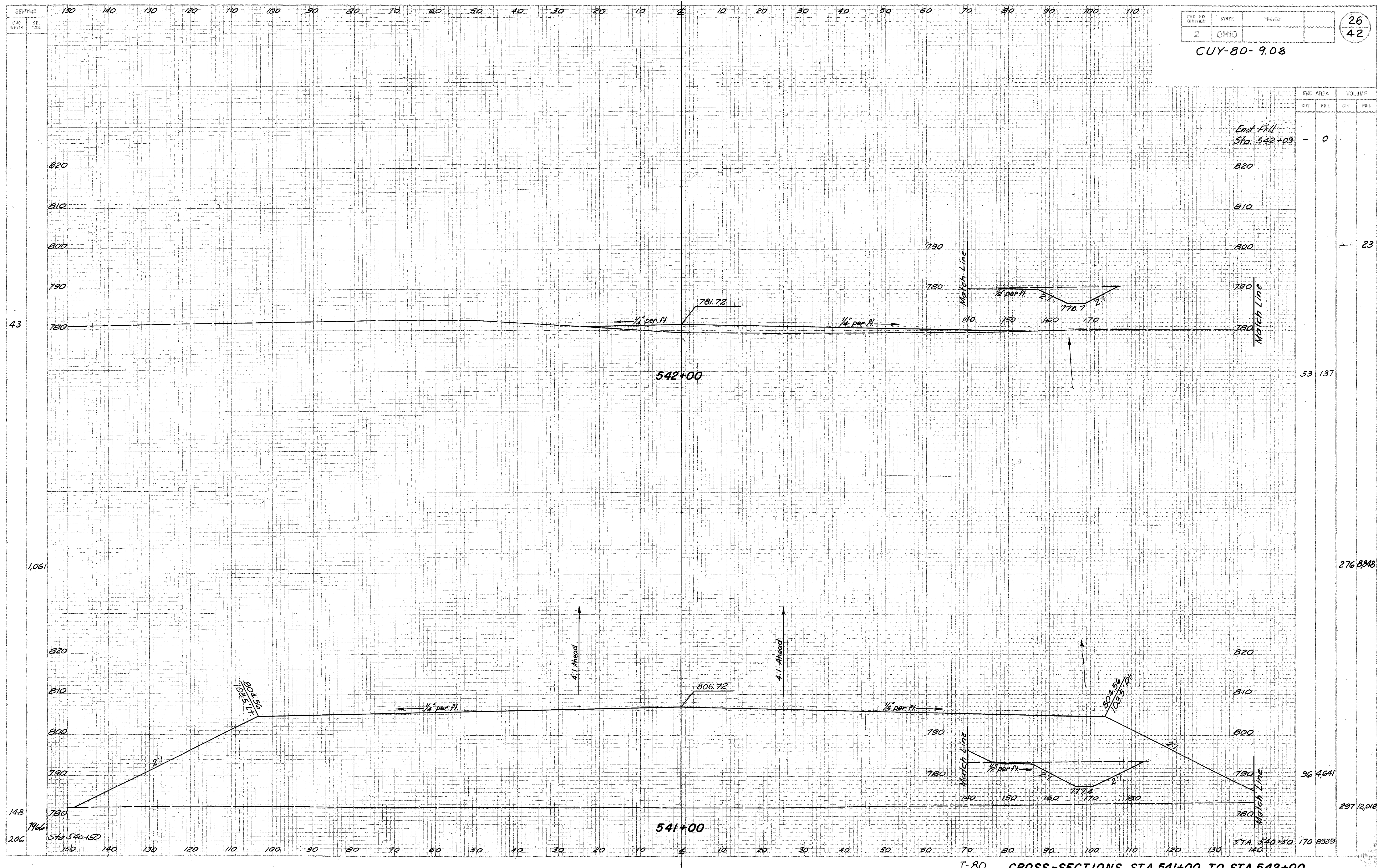
I-80 CROSS-SECTIONS STA. 538+00 TO STA. 539+00

CUY-80-9.08



I-80 CROSS-SECTIONS STA. 540+00 TO STA. 540+50

CUY-80-9.08



END AREA	VOLUME	
	CUT	FILL
End Fill Sta. 542+00	-	0
53	137	23
1,061		276,898
148		96,461
206		297,12,018
170	8339	

I-80 CROSS-SECTIONS STA. 541+00 TO STA. 542+00

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

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END AREA		VOLUME	
CUT	FILL	CUT	FILL

0
Suspend Work
Sta 543+05

0
Suspend Work
Sta 543+05

820

820

810

810

3
800

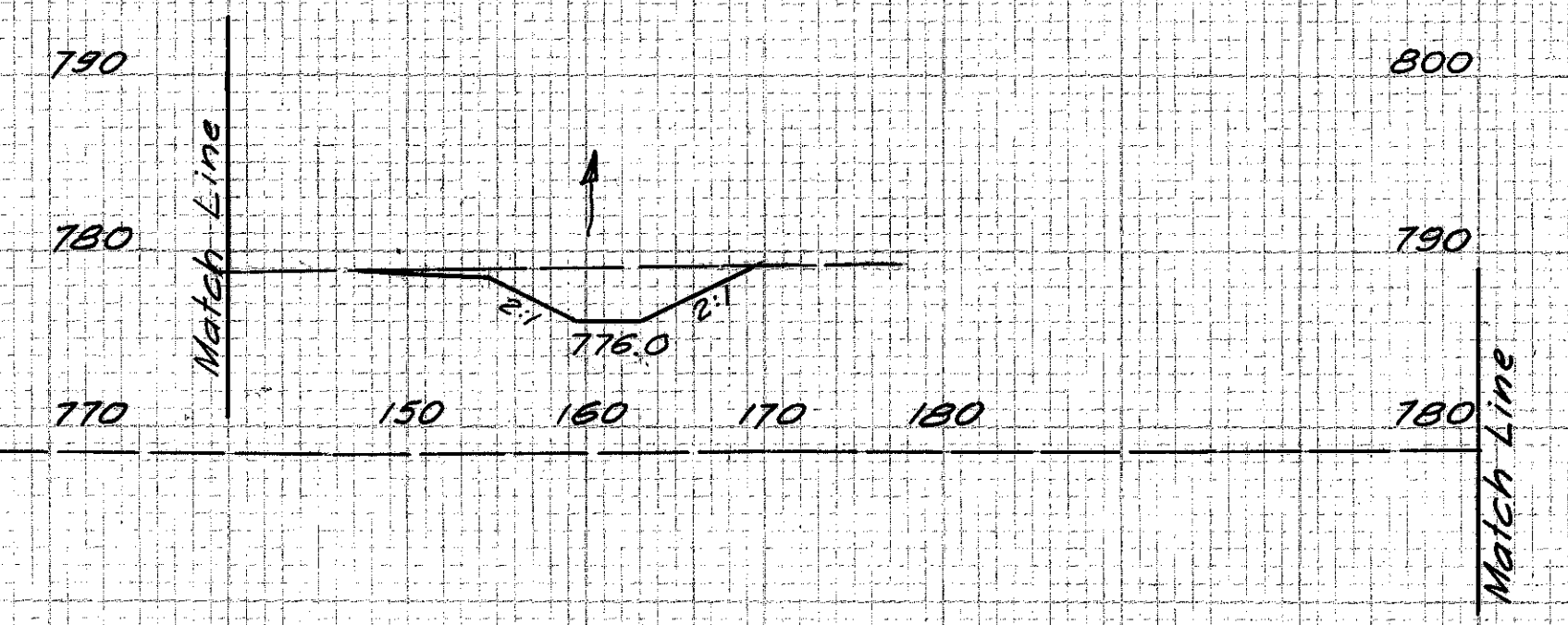
800

790

790

780

780



28

543+00

34 0

394

161 -

43
Sta 542+00

Sta 542+00 53 -

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

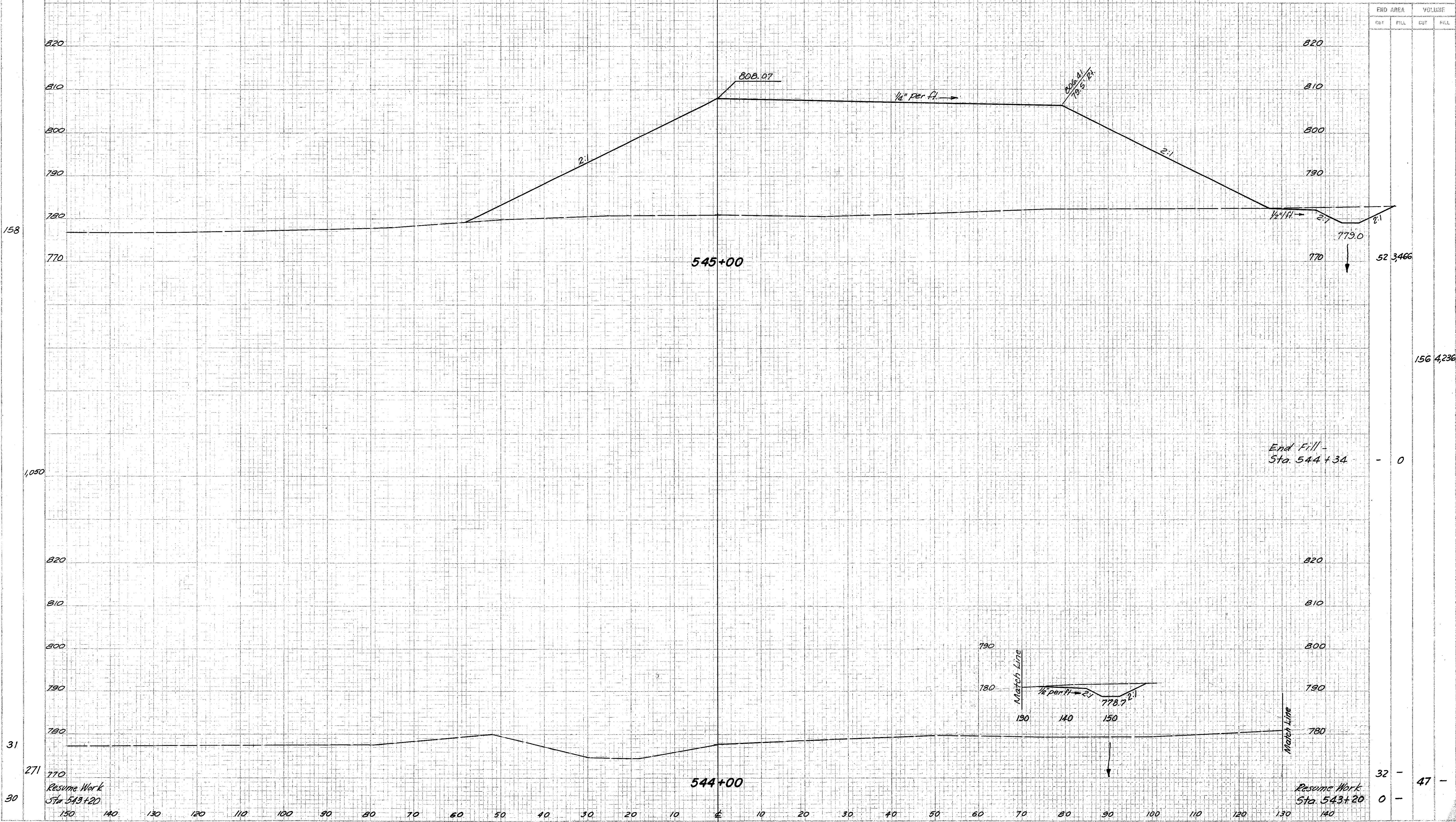
I-80 CROSS-SECTIONS STA. 542+00 TO STA. 543+00

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

END POINTS 50 VPS

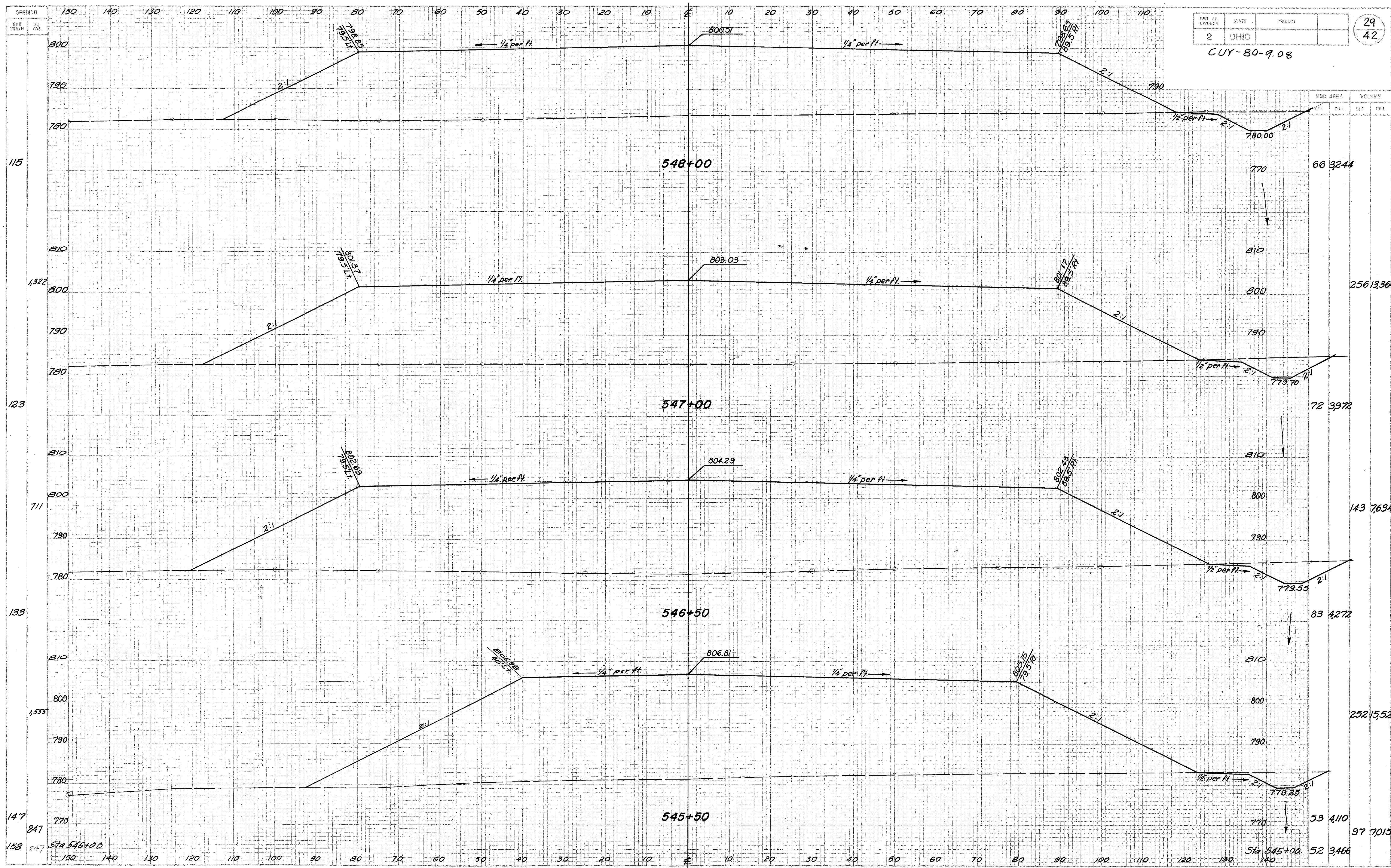
FED. RD. DISTRICT	STATE	PROJECT	28 42
2	OHIO		

CUY-80-9.08

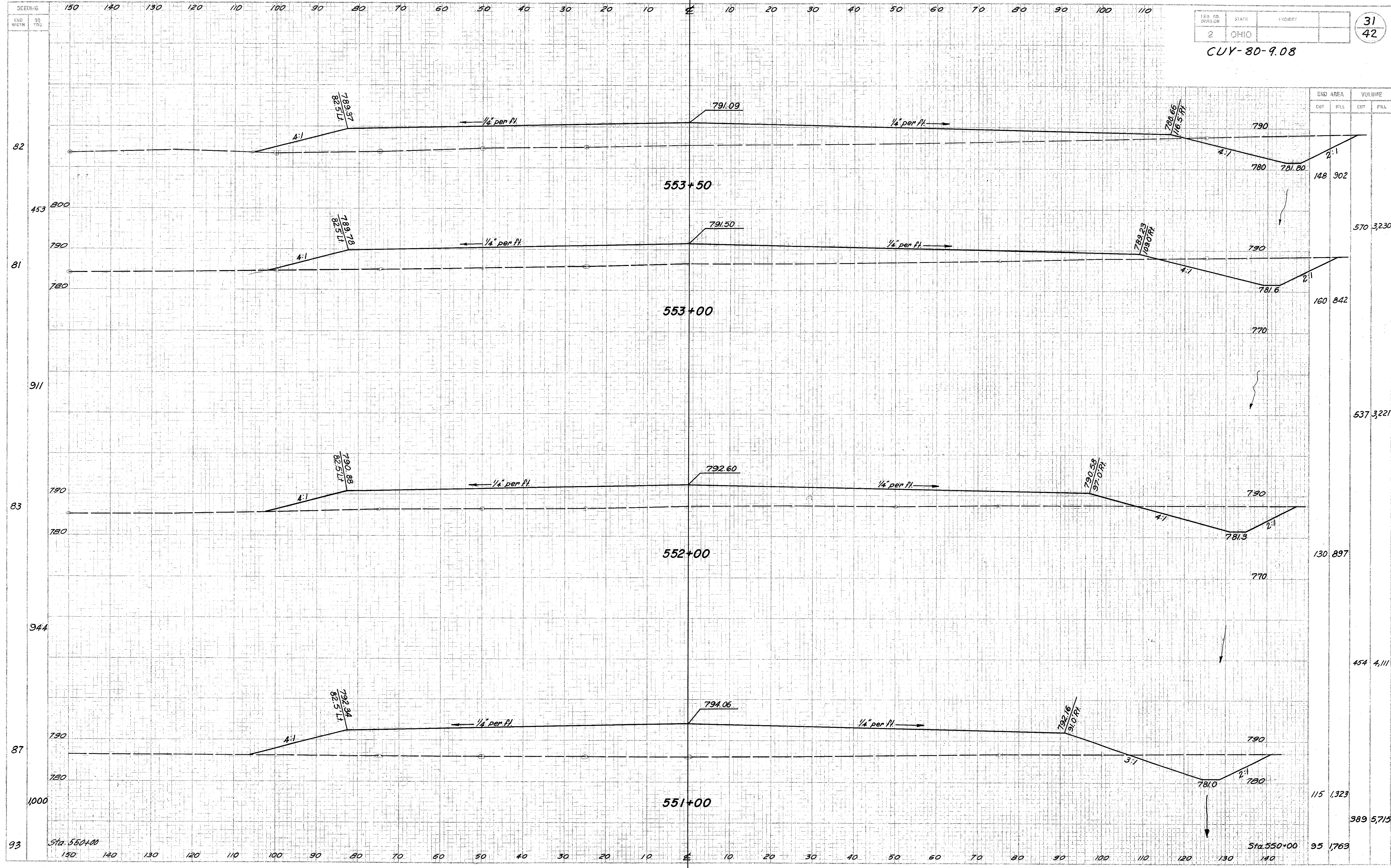


END AREA		VOLUME	
CUT	FILL	CUT	FILL
		52,346	
		156,423	
		0	
		32	47
		0	

I-80 CROSS-SECTIONS STA. 544+00 TO STA. 545+00



I-80 CROSS-SECTIONS STA. 545+50 TO STA. 548+00



I-80 CROSS-SECTIONS STA. 551+00 TO STA. 553+50

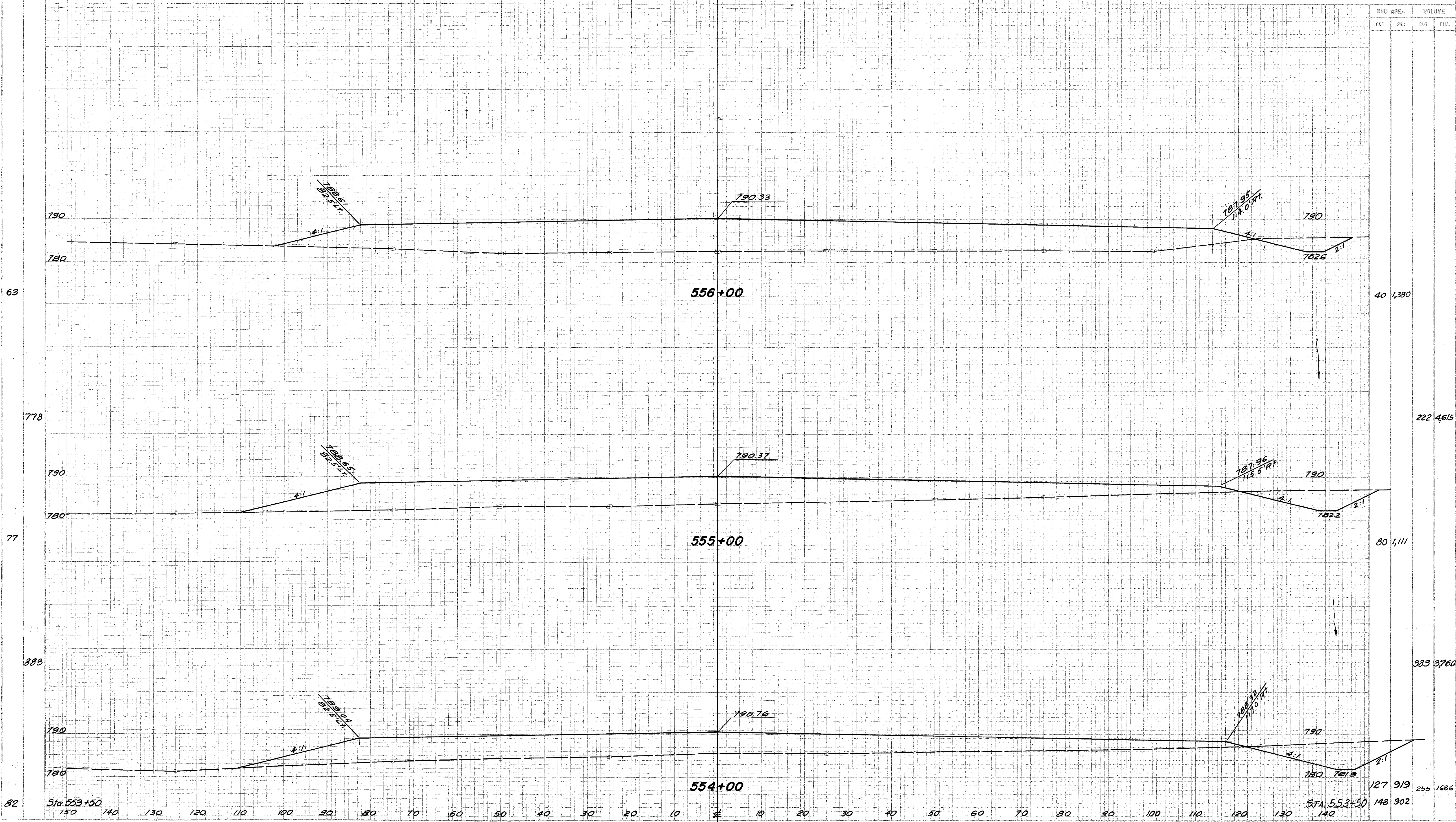
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110

SEEDING
FUR
WIDTH

35
TOS

PRO. NO. DIVISION	STATE	PROJECT	32 42
2	OHIO		

CUY-80-9.08



63

778

77

883

82

556+00

555+00

554+00

790

780

790

780

790

780

790.33

790.37

790.76

787.95

787.96

788.21

790

782.6

790

782.2

790

780 781.9

Sta. 553+50

Sta. 553+50

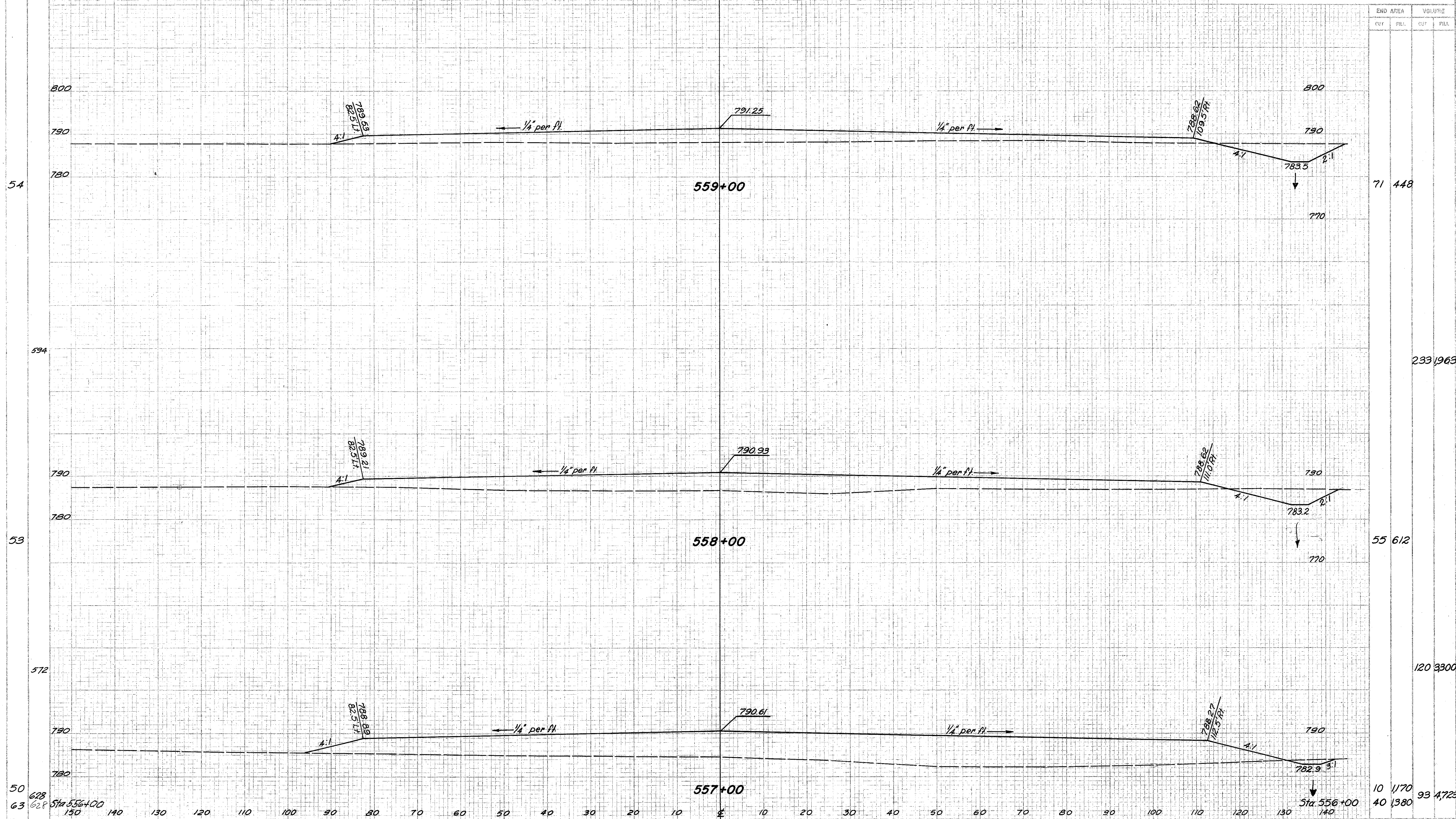
I-80 CROSS-SECTIONS STA. 554+00 TO STA. 556+00

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

FED. RD. DISTRICT	STATE	PROJECT	
2	OHIO		

CUY-80-9.08

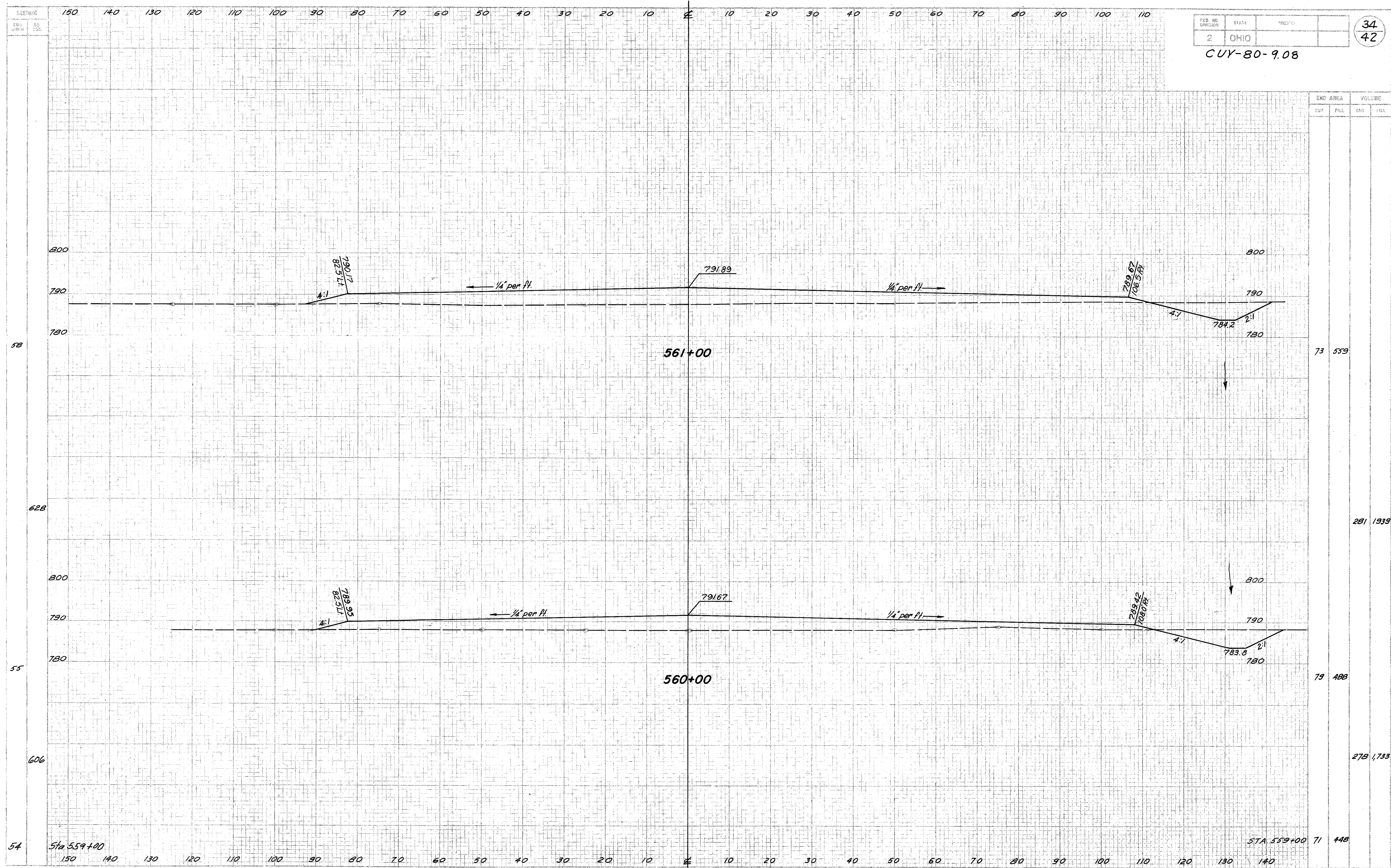
33
42



END AREA	VOLUME	
	CUT	FILL
71 448		
233 1963		
55 612		
120 3300		
10 1170	93 4723	
40 1380		

I-80 CROSS-SECTIONS STA. 557+00 TO STA. 559+00

CUY-80-9.08



END AREA		VOLUME	
CUT	FILL	CUT	FILL
		73	539
		281	1939
		79	488
		278	1,733
		71	448

I-80 CROSS-SECTIONS STA. 560+00 TO STA. 561+00

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

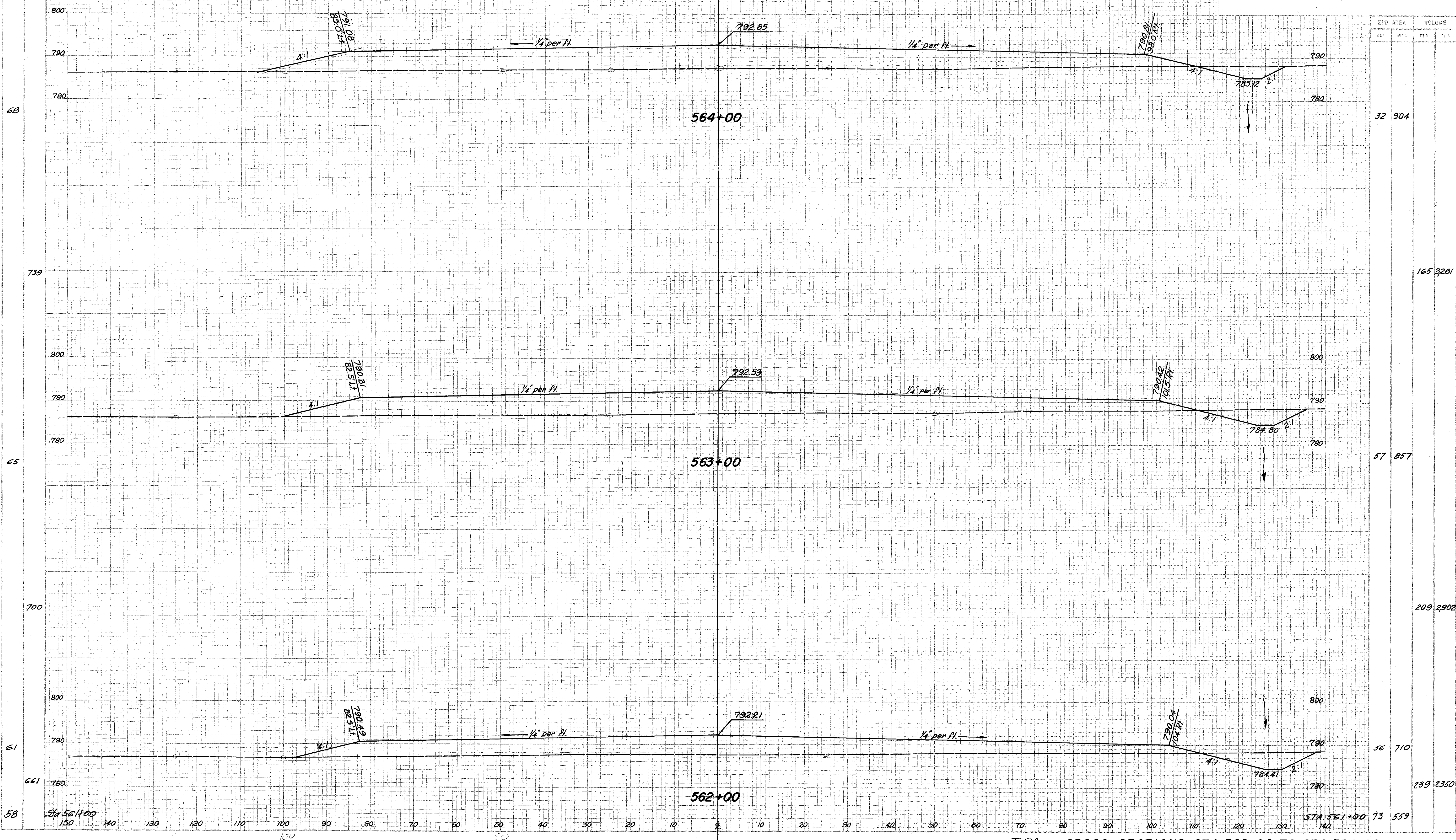
SECTION
END
WIDTH

SO.
YDS.

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

35
42

CUY-80-9.08



END AREA		VOLUME	
CUT	FILL	CUT	FILL

32 904

165 3261

57 857

209 2902

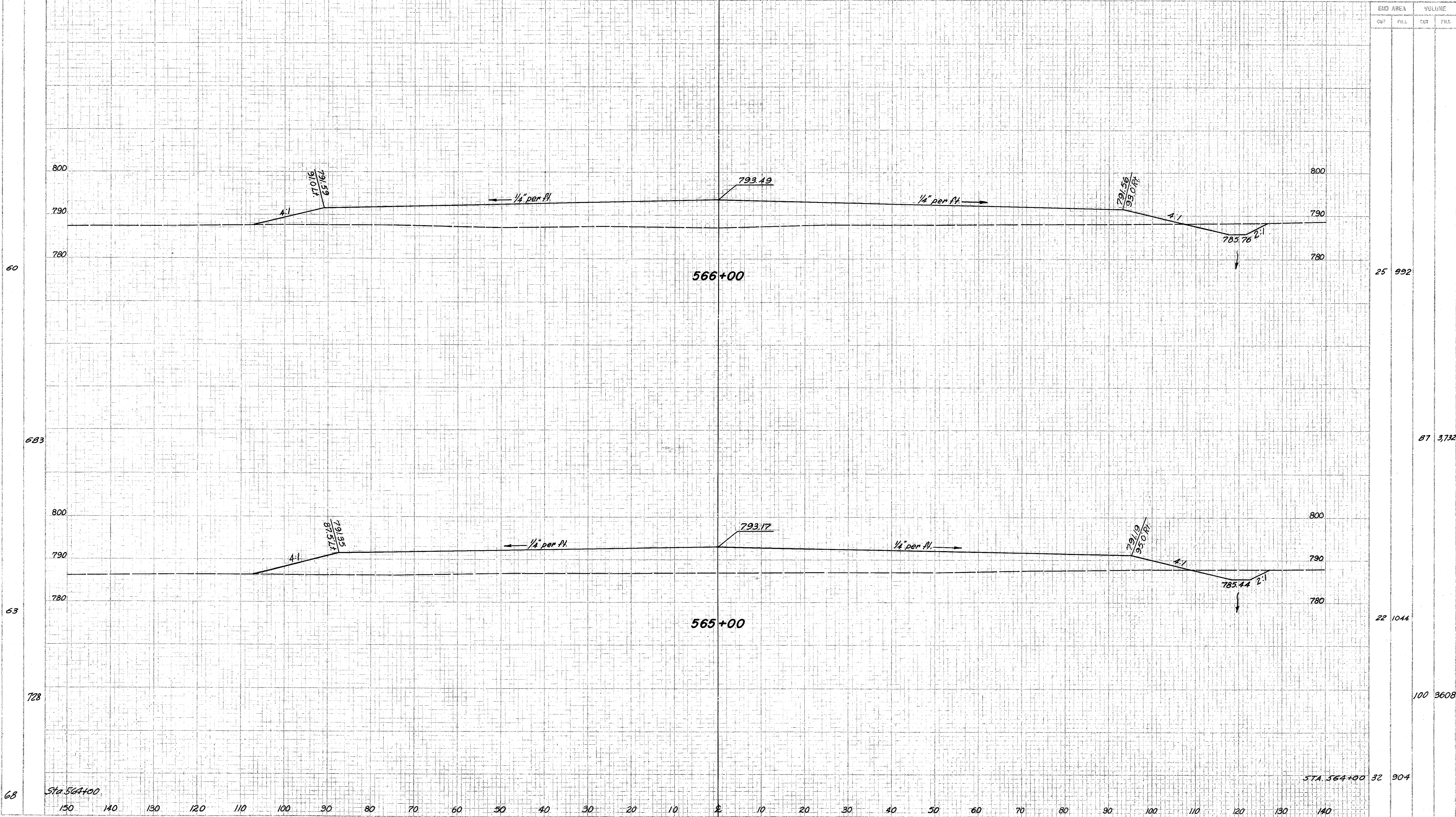
56 710

239 2350

58 Sta 564+00

STA 561+00 73 559

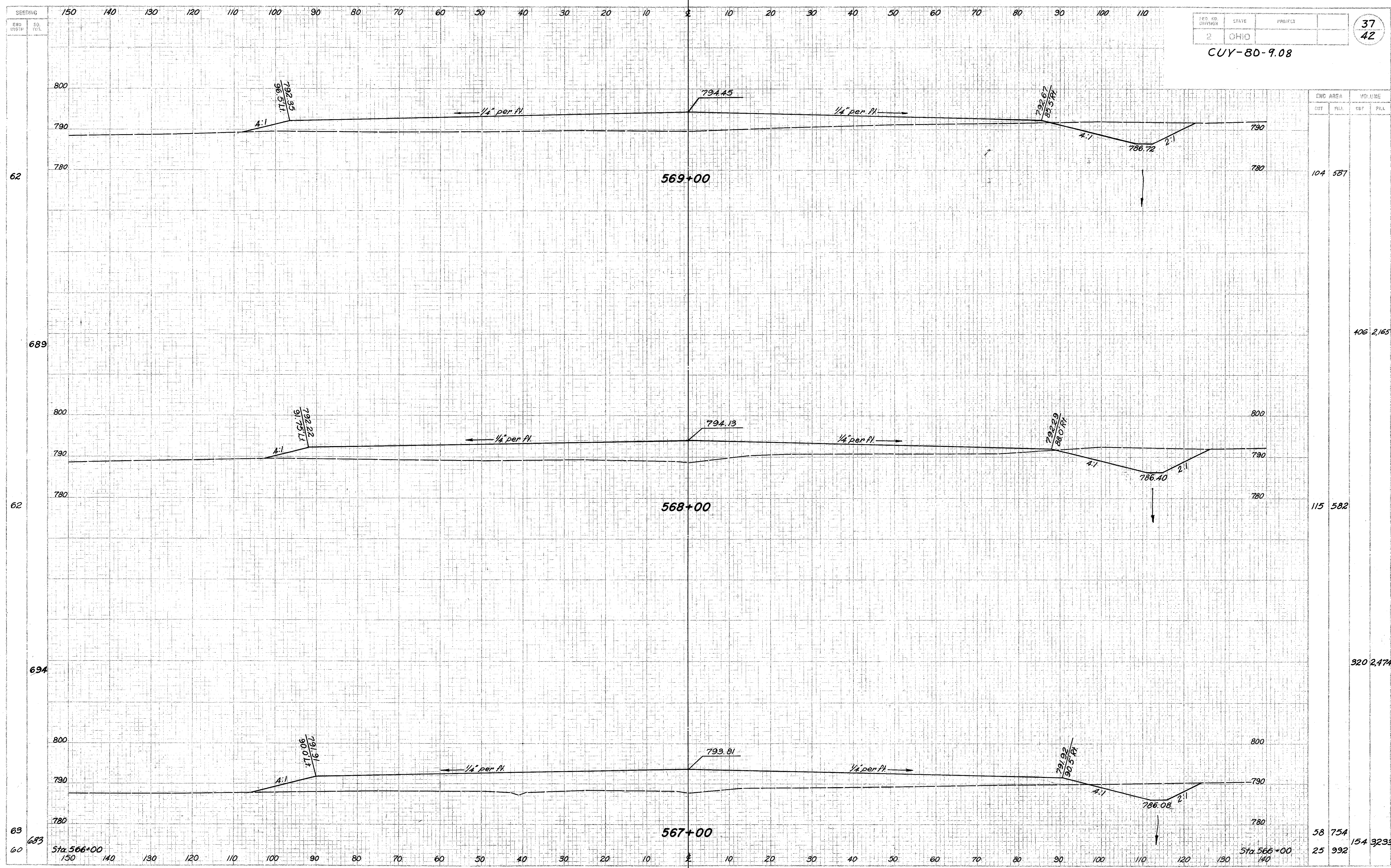
NEEDING 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110



END AREA	VOLUME	
	CUT	FILL
25	992	
87	3,732	
22	1,044	
100	3,608	
32	904	

I-80 CROSS-SECTIONS STA. 565+00 TO STA. 566+00

CUY-80-9.08



END AREA	VOL. LINE	
	CUT	FILL
104	587	
		406 2,165
115	582	
		320 2,474
58	754	
25	992	154 3233

I-80 CROSS-SECTIONS STA. 567+00 TO STA. 569+00

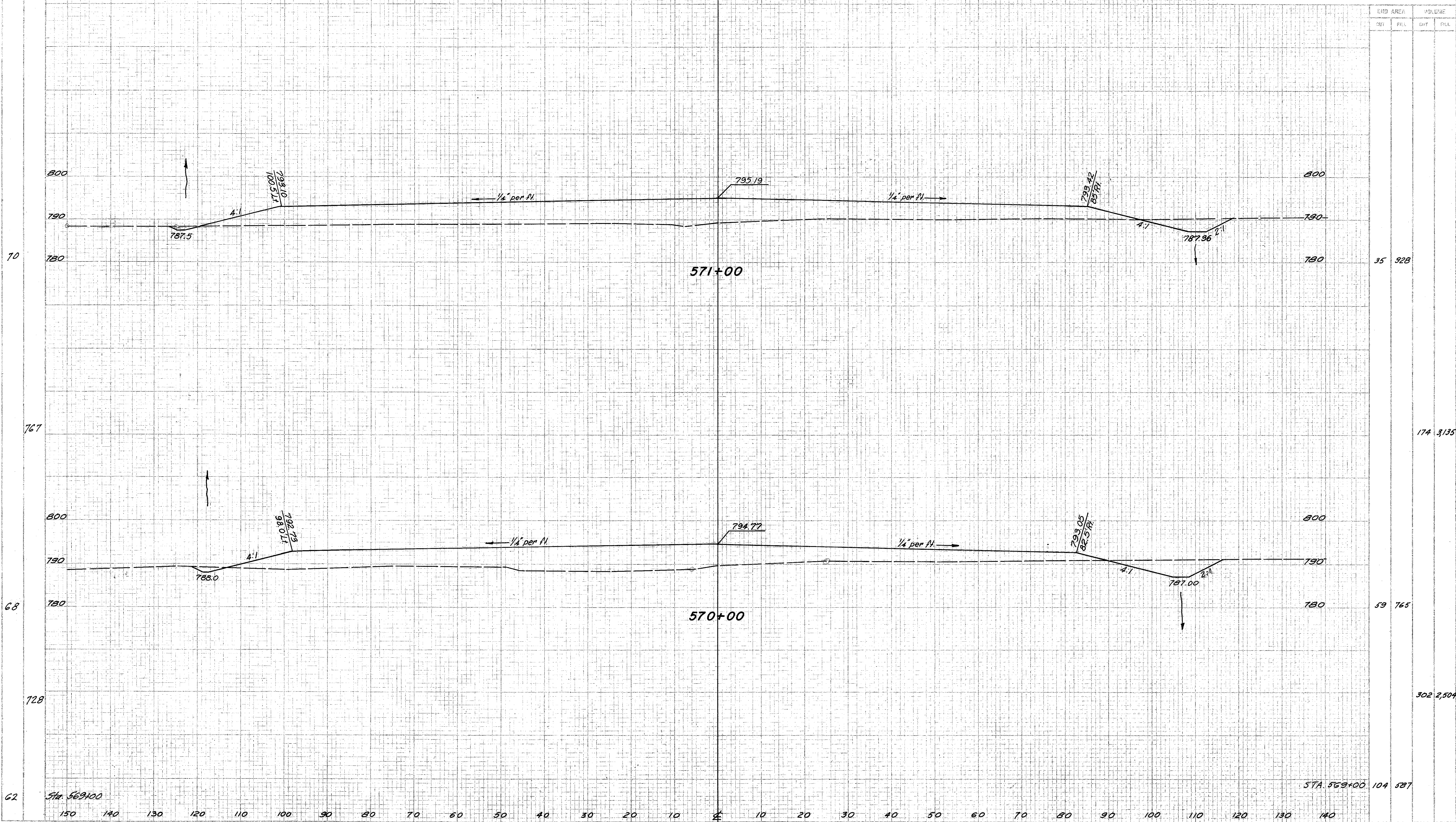
SEEDING 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110

END NO. 50. TEL.

PG. NO. DIVISION	STATE	PROJECT	
2	OHIO		

38
42

CUY-80-9.08

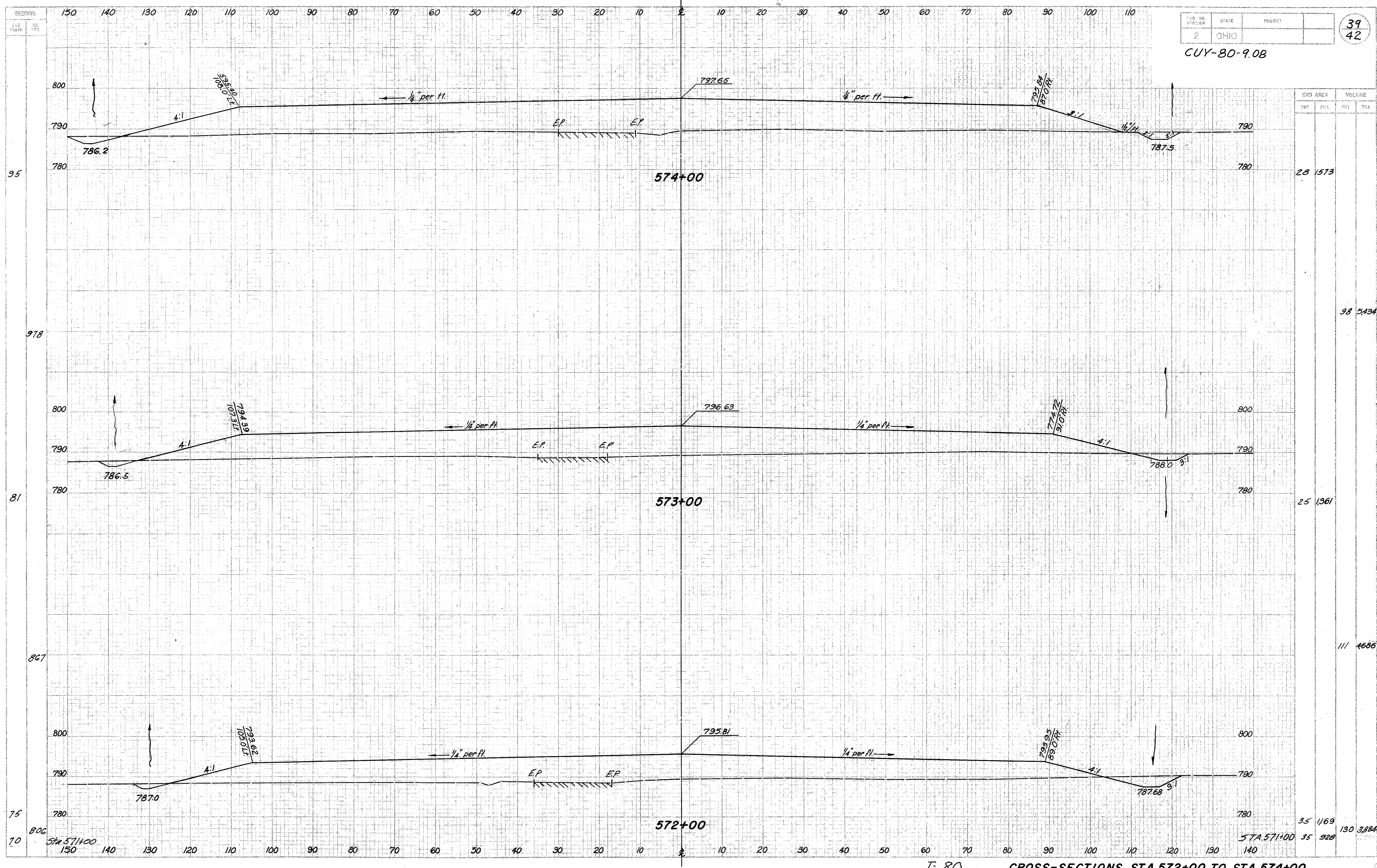


END AREA		VOLUME	
CUT	FILL	CUT	FILL
		35	928
		174	3,135
		59	765
		302	2,504
		104	527

Sta. 569+00

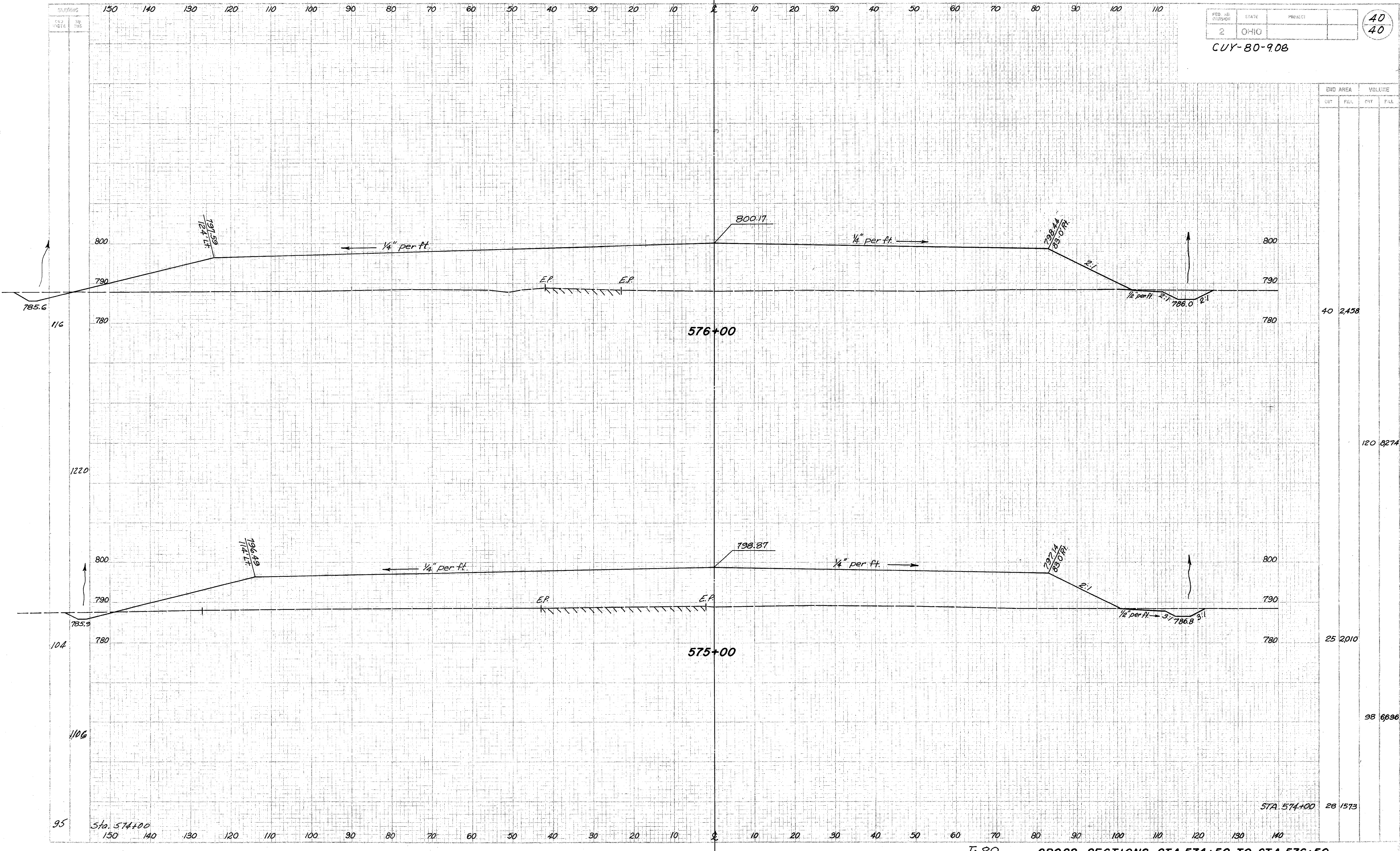
Sta. 569+00

I-80 CROSS-SECTIONS STA. 569+50 TO STA. 571+50



STATION	CROSS AREA		VOLUME	
	CUT	FILL	CUT	FILL
574+00			28	1573
573+00			25	1361
572+00			35	1169
STA. 571+00	35	928	130	3884

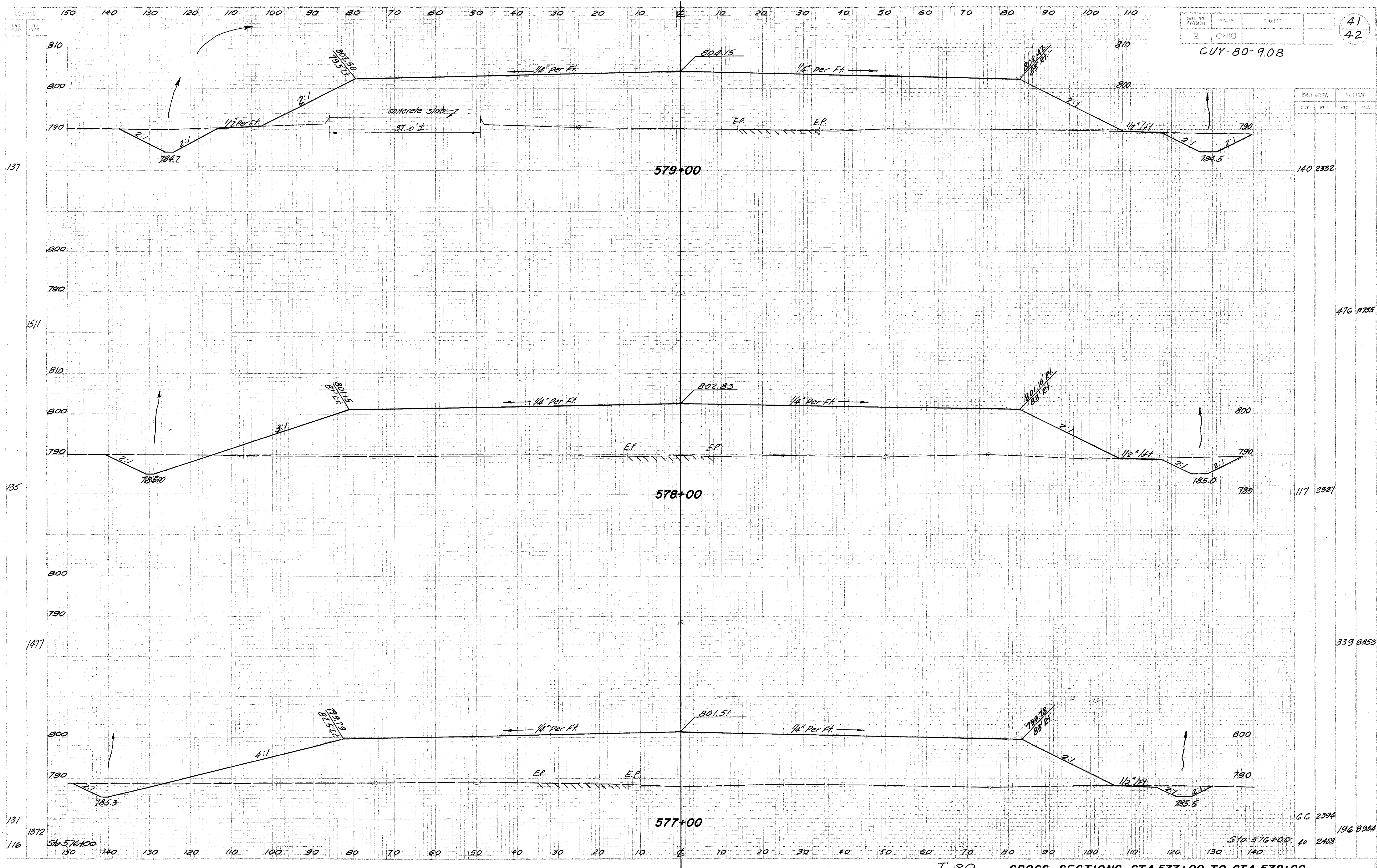
I-80 CROSS-SECTIONS STA. 572+00 TO STA. 574+00



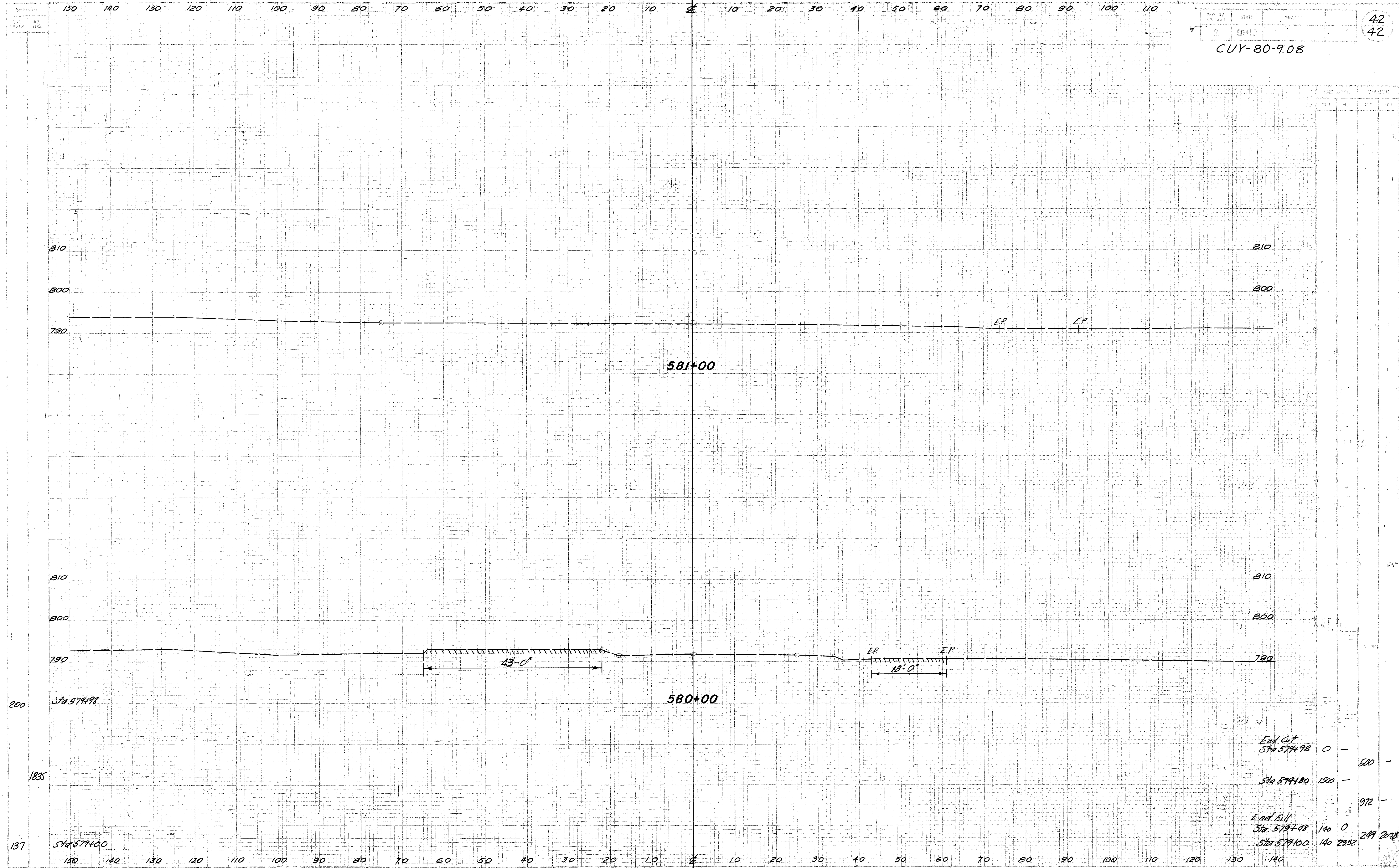
END AREA	VOLUME	
	CUT	FILL
40	2,458	
120	8,274	
25	2,010	
98	6,896	
28	1,513	

I-80 CROSS-SECTIONS STA. 574+00 TO STA. 576+00

CUY-80-9.08



I-80 CROSS-SECTIONS STA. 577+00 TO STA. 579+00



Station	Cut	Fill	Total
End Cut Sta. 579+98	0	-	500
Sta. 579+80	1500	-	972
End Fill Sta. 579+98	140	0	249
Sta. 579+100	140	2332	2478

I-80 CROSS-SECTIONS STA. 579+50 TO STA. 581+50