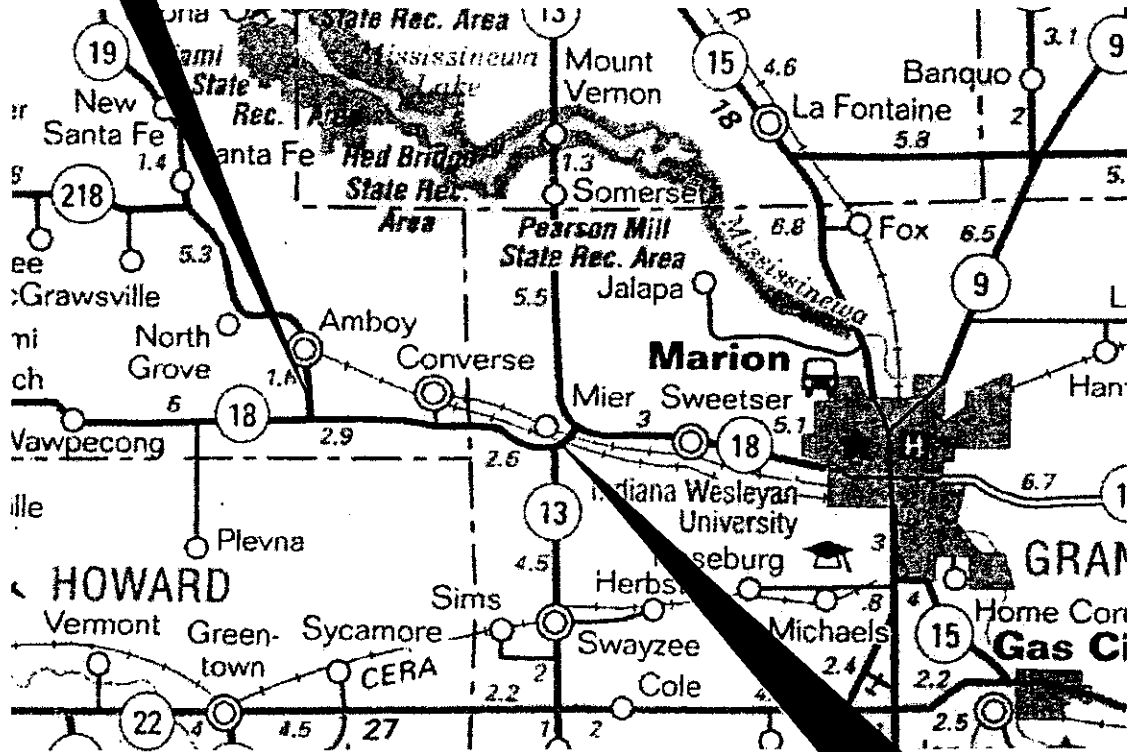


INDIANA
DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
ASPHALT RESURFACE
On SR 18, (RP 31) to SR 13 (W. Jct.)
DES. NO. 990 4850

KDS
DESIGNED BY:
MAT
CHECKED BY:

BEGIN PROJECT
RP 31+00
STA. 25+083.6



END PROJECT
RP 94+62
STA. 34+566.3



CONTRACT: RS-24907
DES. #: 990 4850
TOTAL LENGTH: 9.5 km
A.D.T. : 5,900 (2000)
ESALS: 4,200,000



11/29/00
DATE
Richard E. Hensley
CERTIFIED BY:

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 1999
TO BE USED WITH THESE PLANS

DATE
N. John Perry
Approved By: 12.19.00

CONSTRUCTION PLANS INDEX

<u>PAGE</u>	
1	TITLE SHEET
2	CONSTRUCTION PLANS INDEX
3	UTILITIES
4	STANDARD DRAWING INDEX
5	TYPICAL SECTIONS
6	PLAN SHEET LEGEND
7-26	PLAN SHEETS
27-31	DETAIL SHEETS
32-46	SUMMARY TABLES
47-71	CROSS SECTION SHEETS

NOTE: THE STATIONING AND OFFSETS ARE FOR REFERENCE PURPOSES AND APPROXIMATE LOCATIONS OF EXISTING FEATURES ONLY, AND DO NOT REPRESENT THE RESULTS OF A ROUTE SURVEY AS DESCRIBED IN 865 IAC 1-12-20 THRU 1-12-25 (MINIMUM STANDARDS)

UTILITIES

ELECTRIC: American Electric Power
Jim Quinn
P.O. Box 60
Fort Wayne, IN 46801-0060
219-425-2294

PSI
Tina Quinlin
1000 E. Main Street
Plainfield, IN 46168
317-838-1513

GAS: Indiana Gas Company, Inc.
Ronald R. Barker
1630 N. Meridian Street
Indianapolis, IN 46202-1496
317-321-0599

TELEPHONE: Ameritech Indiana
Jim Tucker
308 E. Main Street
Crawfordsville, IN 47933
765-364-5014

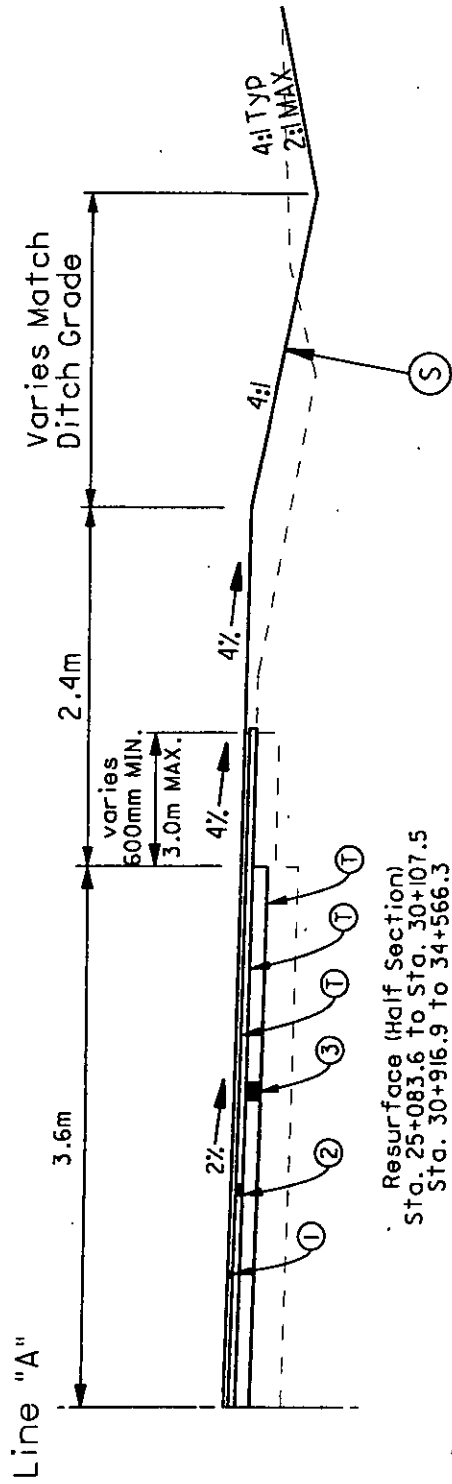
Standard Drawing Index
Effective for Lettings between 1/1/2001 and 4/30/2001

Contract No.: **RS-24907**

English Drawings

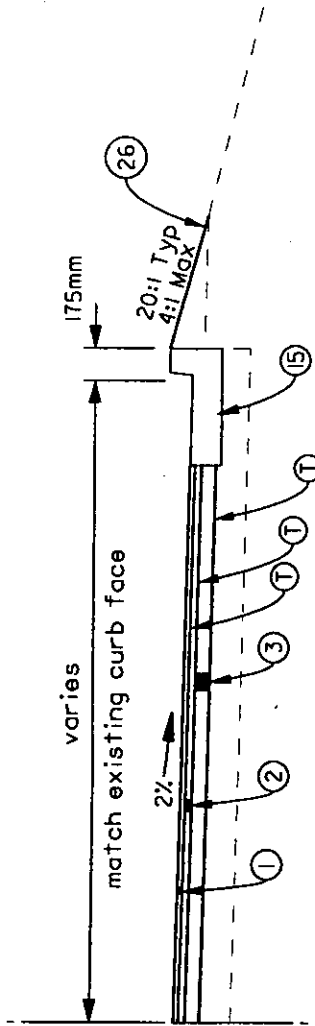
SEC.	CODE	PAGE	DRAWING SUBJECT	DRAWING CONTENTS	Drawing	NEW
					Date	
303	STRW	01	Shoulder Treatment Resurfacing Work	Shoulder Treatment For Resurfacing Work	4/3/95	
601	GRET	06	Guardrail End Treatment	Grading At Guardrail End Treatments	9/1/98	
601	GRET	08	Guardrail End Treatment	Grading At Guardrail End Treatments	9/1/98	
601	GRET	09	Guardrail End Treatment	Grading At Guardrail End Treatments	9/1/98	
601	WBGA	01	W-Beam Guardrail Assemblies	W-Beam Guardrail Assemblies	1/2/01	X
601	WBGA	02	W-Beam Guardrail Assemblies	W-Beam Guardrail Assemblies	1/2/01	X
604	SWCR	05	Sidewalk Curb Ramps	Curb Ramp Type C	6/3/96	
605	CCCG	01	Combined Concrete Curb & Gutter	Combined Concrete Curb And Gutter	9/1/99	
801	TCFO	02	Traffic Control Flagger Operations	Maintenance Of Traffic For Moving Operation	5/1/00	
801	TCSN	01	Traffic Control Signs	Traffic Control Signs	7/3/95	
801	TCSN	02	Traffic Control Signs	Traffic Control Signs	9/1/97	
801	TCSN	04	Traffic Control Signs	Traffic Control Signs	9/1/97	
801	TCSN	07	Traffic Control Signs	Traffic Control Signs	7/3/95	
801	TCSN	08	Traffic Control Signs	Traffic Control Signs	7/3/95	
801	TCSN	11	Traffic Control Signs	Construction Signs General Notes	5/1/00	
801	TCSN	12	Traffic Control Signs	Sign Design Details	9/1/99	
801	TCTC	05	Traffic Control Temporary Closure	Traffic Control For Daytime Lane Closure	1/2/01	X
802	SNGS	10	Sign Details	Steel Sign Posts	9/1/00	
802	SNPL	02	Sign Location	Horizontal And Vertical Sheet Sign Clearance	5/3/99	
808	MKPM	01	Markings Pavement Transverse	Transverse Markings	3/1/95	
808	MKPM	02	Markings Pavement Transverse	Transverse Markings	3/1/95	
808	MKRM	09	Markings Raised Markers	Snowplowable Raised Pavement Markers	3/1/95	
808	MKRM	10	Markings Raised Markers	Raised Pavement Marker Cast Metal Base Type 1	9/1/98	

11



Resurface (Half Section)
Sta. 25+083.6 to Sta. 30+107.5
Sta. 30+916.9 to 34+566.3

Line "A"



Resurface (Half Section)
Sta. 30+107.5 to Sta. 30+916.9

LEGEND

- (1) 75 kg/m² OC/OA HMA Surface 9.5mm
- (2) 105 kg/m² OC/OA Intermediate 19.0mm
- (3) HMA for Wedge & Level (75 kg/m² average thickness)
- (T) Asphalt Material for Tack Coat
- (S) Mulched Seed Mixture, R
- (15) Combination concrete Curb & Gutter
- (26) Sodding

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA		HOORATIONAL SCALE	PROJECT
			DEPARTMENT OF TRANSPORTATION	DESIGNATION	VERTICAL SCALE	PROJECT
DESIGNED BY	CHECKED BY	DATE	TYPICAL SECTIONS		VERTICAL SCALE	PROJECT
DRAWN BY	DATE	DATE			CONTRACT	PROJECT

— Full Depth Asphalt Patching:

75 kg/m² OC/OA HMA Surface, 9.5mm on

105 kg/m² OC/OA HMA Intermediate 19.0mm on

600 kg/m² HMA Base 25.0mm



Variable Depth Asphalt Surface Milling



Pavement Message Markings, Thermoplastic, Lane Indication Arrow



Pavement Message Markings, Thermoplastic, Word (ONLY)



Existing Sheet Sign



Construction Sign, Type as Indicated



Transverse Marking, Thermoplastic, Stop Line, 600mm



Line, Thermoplastic, Solid, Yellow, 100mm



Line, Paint, Solid, White, 100mm



Transverse Markings, Thermoplastic, Solid, Yellow Crosshatch Line, 300mm



Line, Thermoplastic, Broken, Yellow, 100mm



Transverse Marking, Thermoplastic, Crosswalk Line, 150mm



Curb Ramp, Type C

2x Indicates Double Yellow Line

NOTE: Undistributed Quantities for Undersealing are as follows:

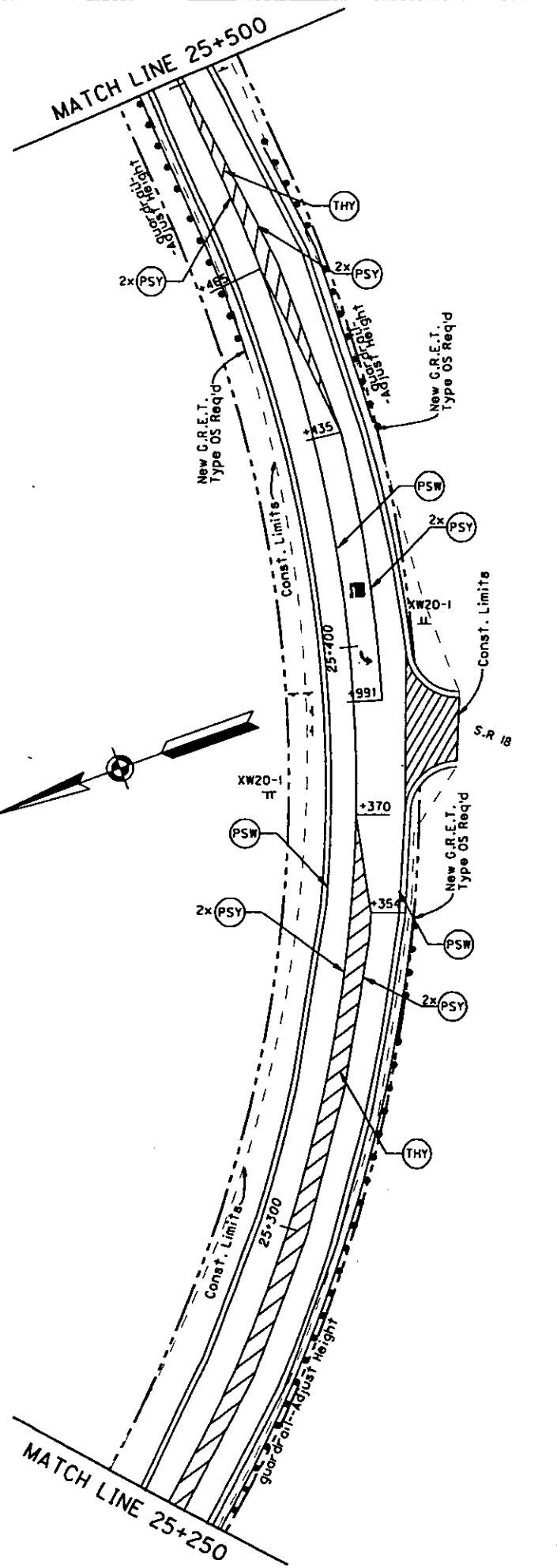
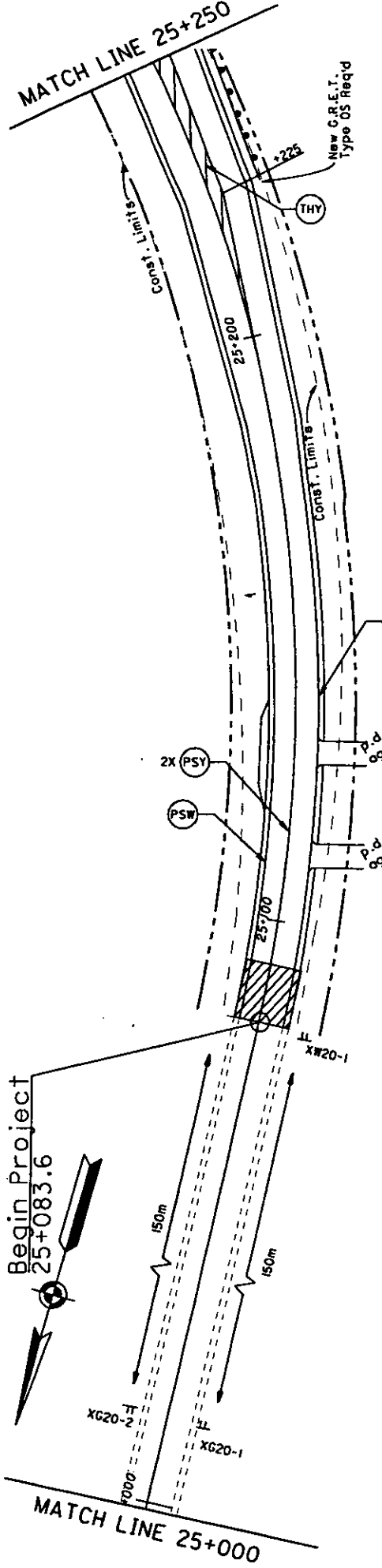
Drilled Hole for Underseal 540 EACH

Asphalt for Underseal 29.4 Mg

Locations for undersealing will be provided by the Division of Research

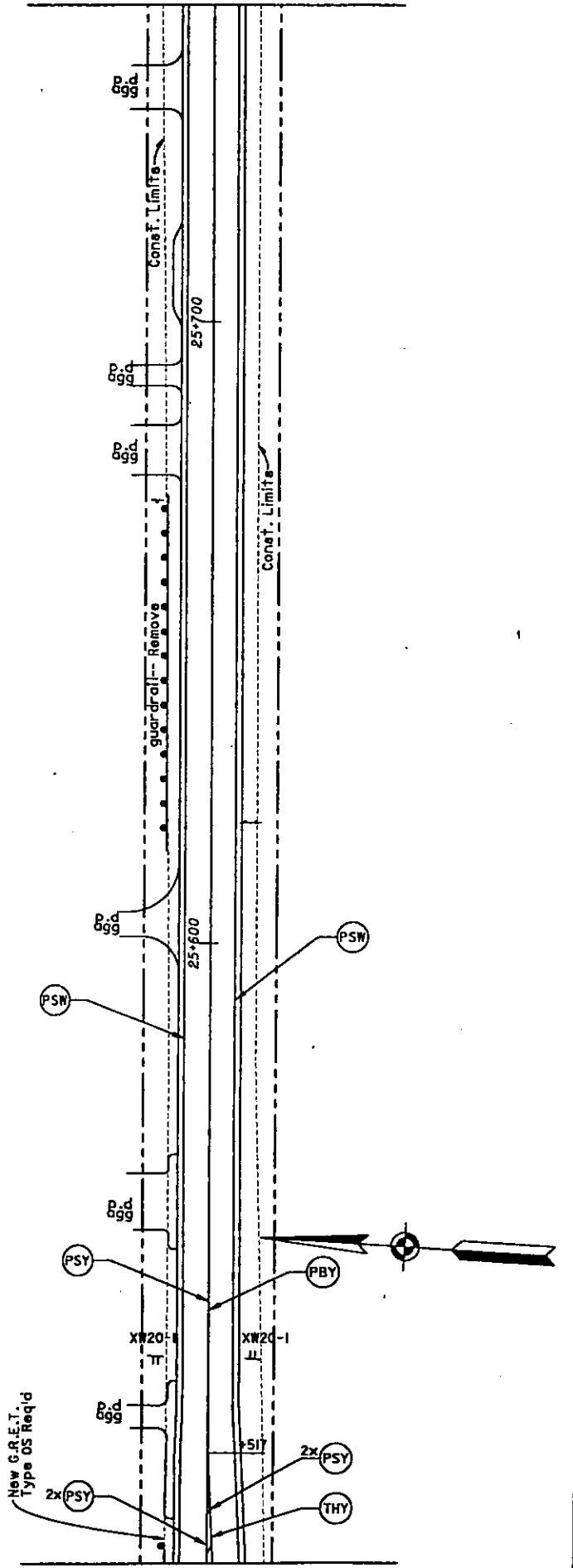
NOTE: Earthwork includes 1136m³ of cut and 11828.6m³ of fill +25%, which requires 10692.6m³ of Borrow

Begin Project
25+083.6

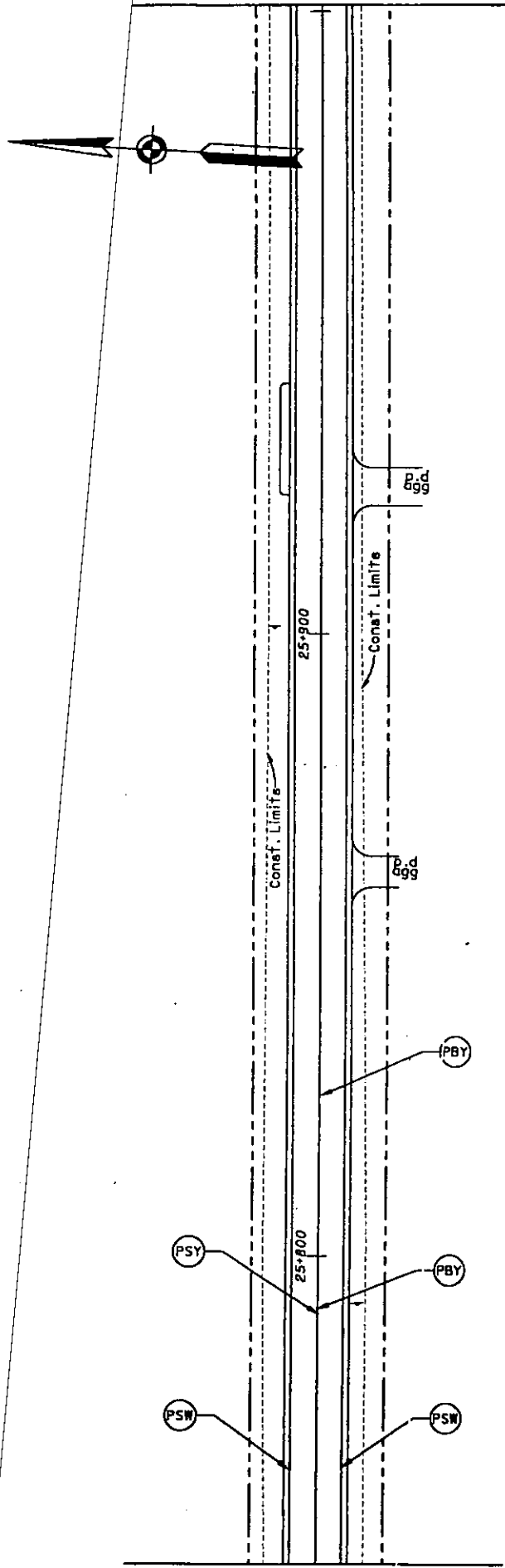


MATCH LINE 25+750

MATCH LINE 26+000



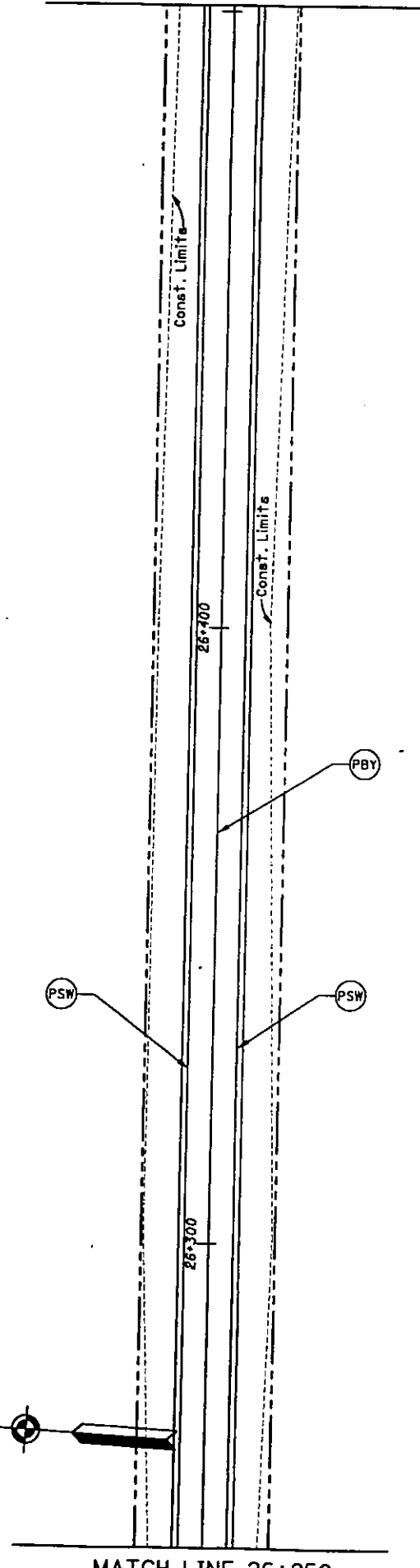
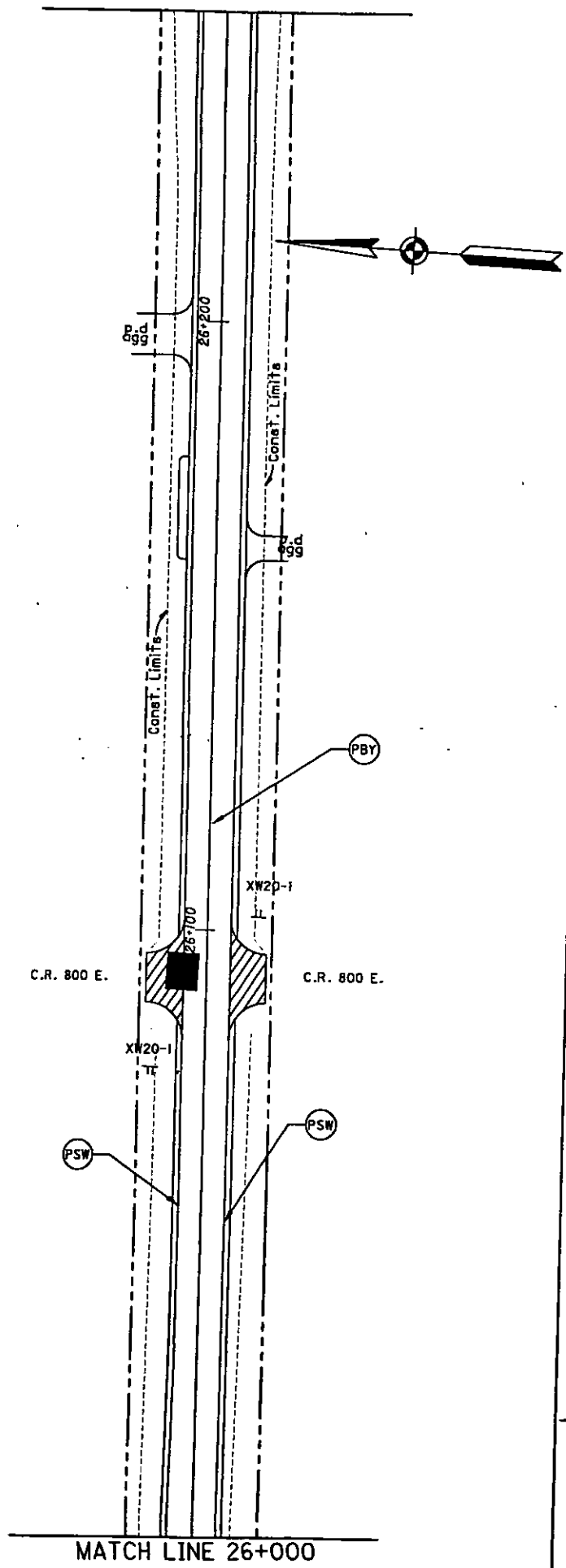
MATCH LINE 25+500



MATCH LINE 25+750

MATCH LINE 26+250

MATCH LINE 26+500



MATCH LINE 26+000

MATCH LINE 26+250

MATCH LINE 26+750

MATCH LINE 27+000

8.4
agg

8.4
agg

26+700

Const. Limits

(PBY)

(PSW)

26+600

(PSW)

Const. Limits

MATCH LINE 26+500

Const. Limits

26+900

Const. Limits

(PBY)

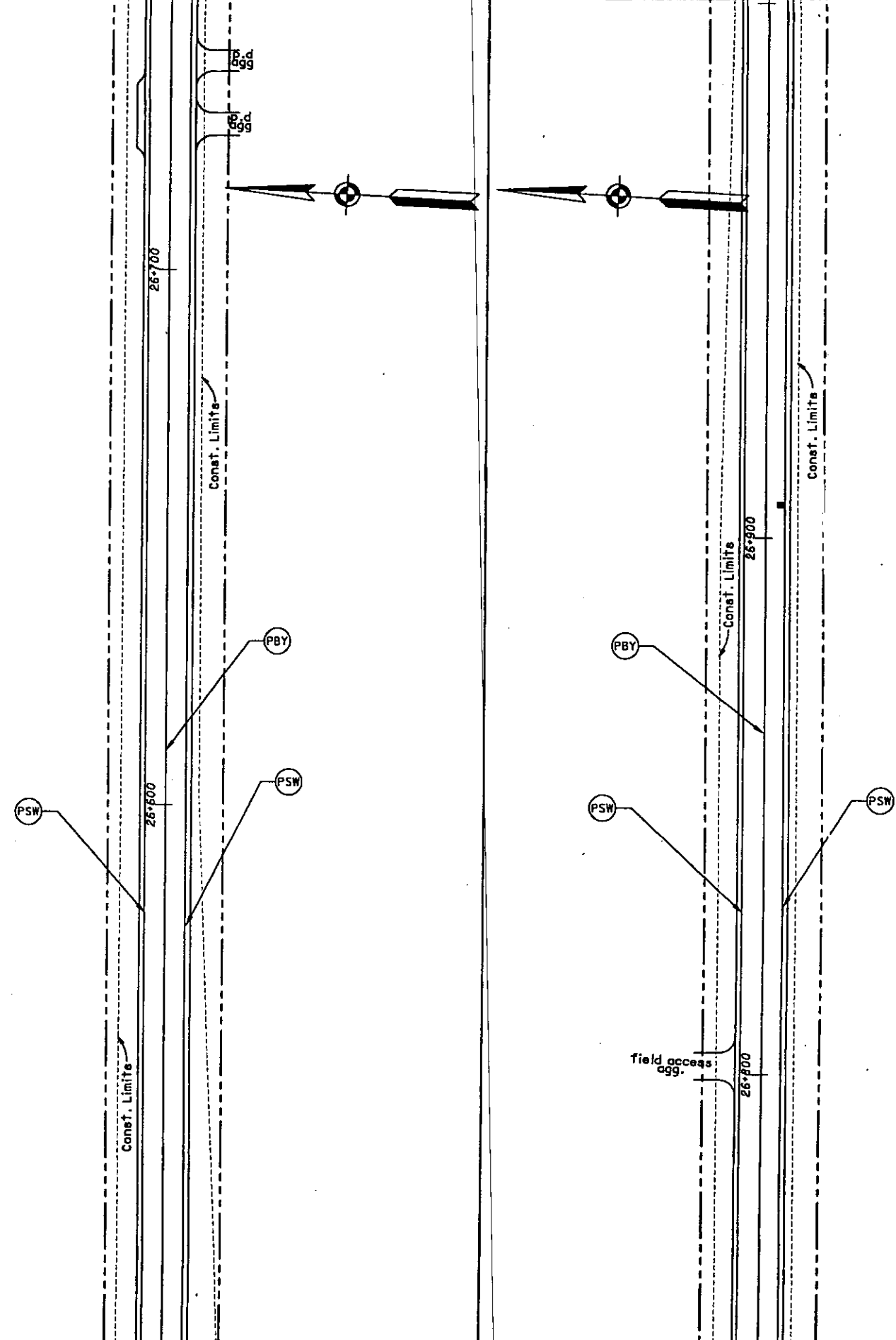
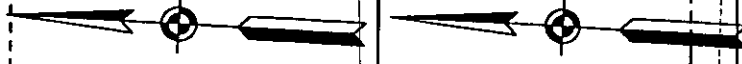
(PSW)

field access
agg.

26+800

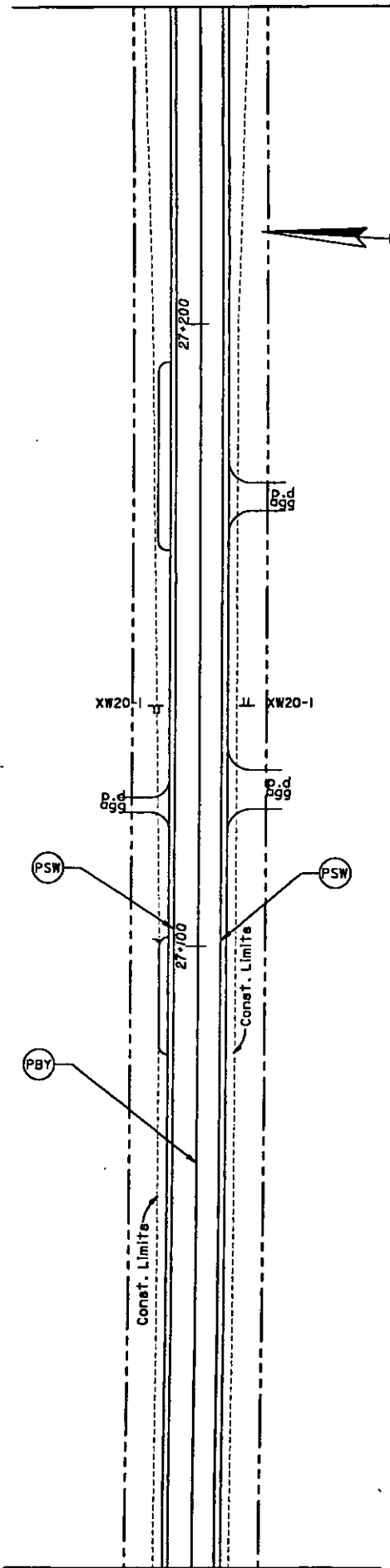
(PSW)

MATCH LINE 26+750

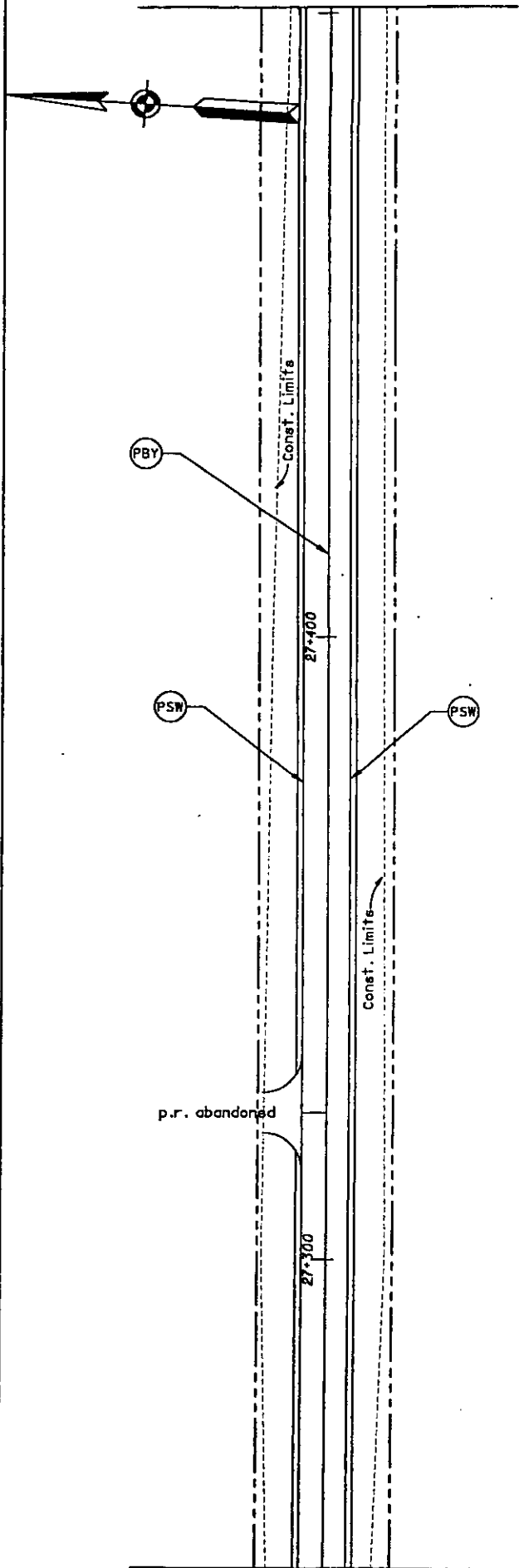


MATCH LINE 27+250

MATCH LINE 27+500



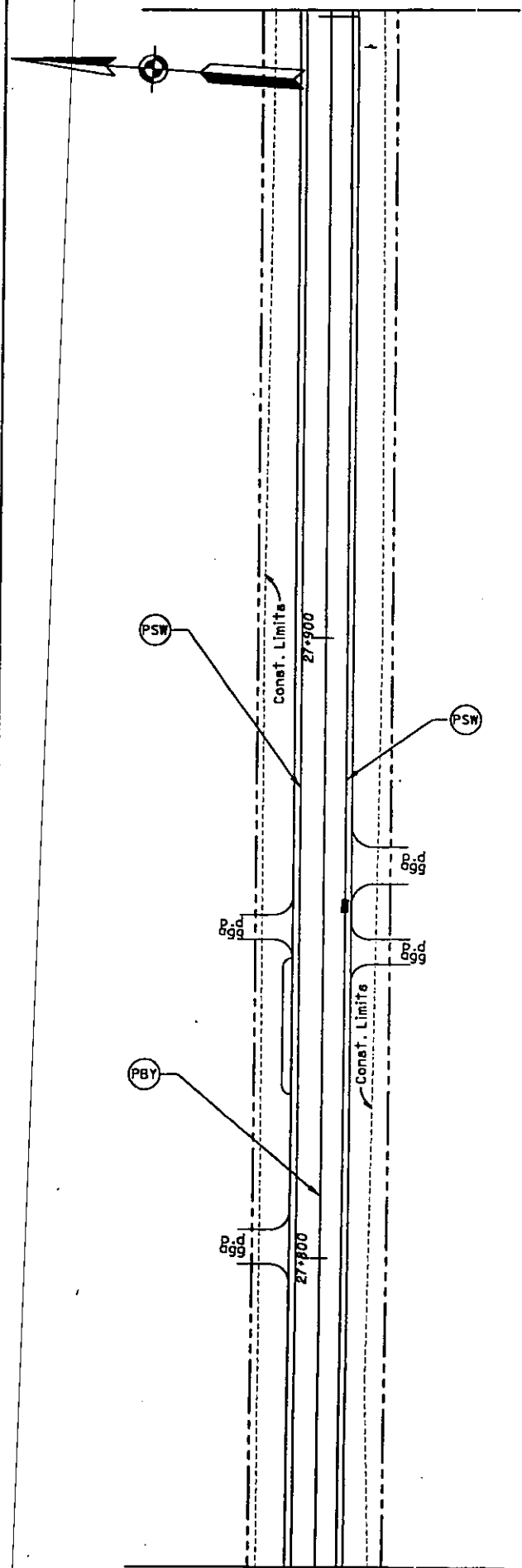
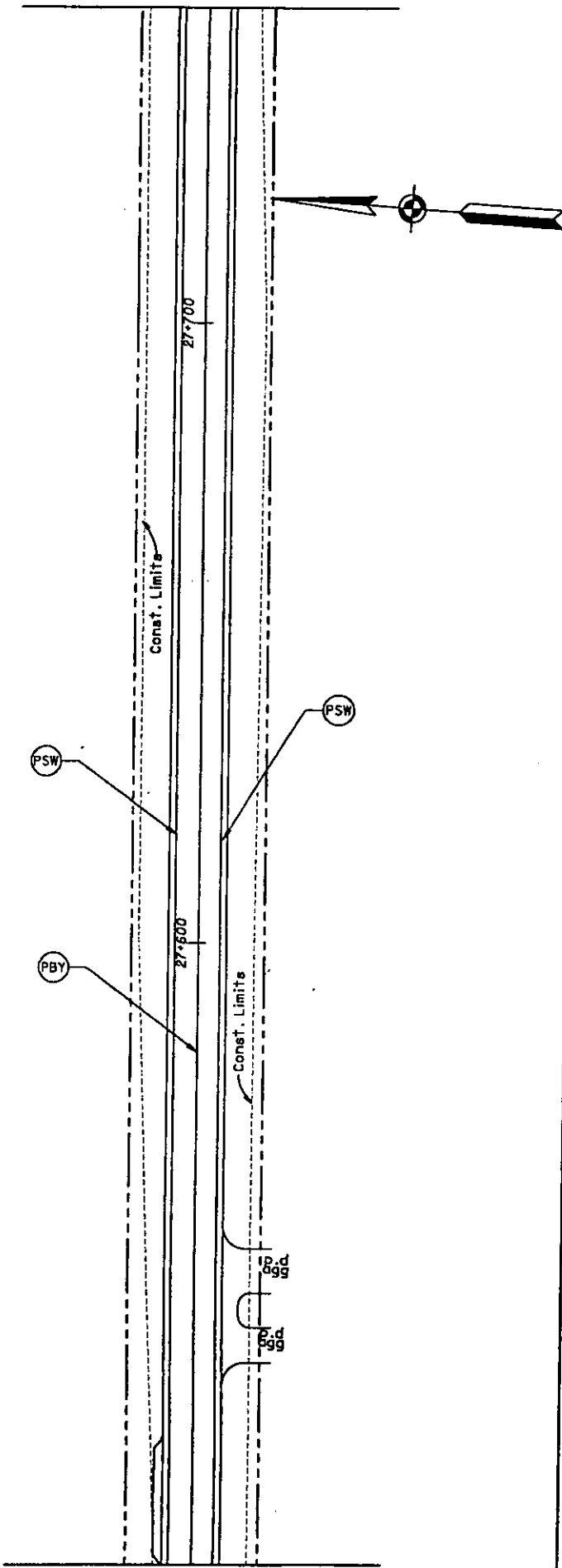
MATCH LINE 27+000



MATCH LINE 27+250

MATCH LINE 27+750

MATCH LINE 28+000

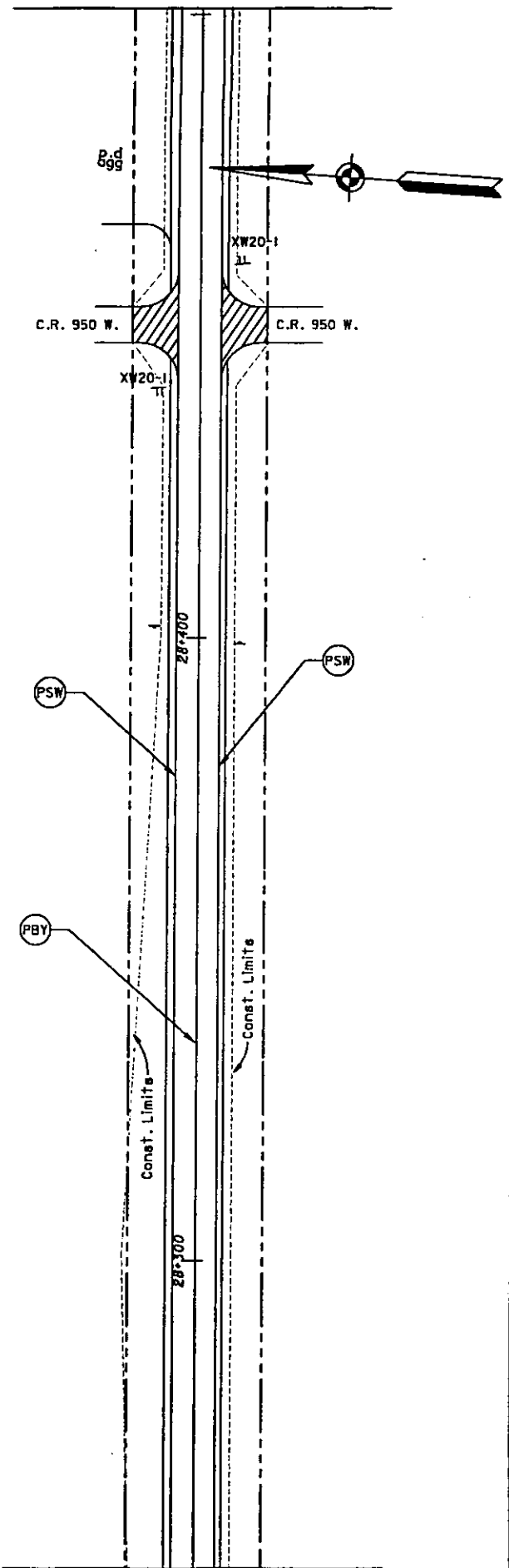
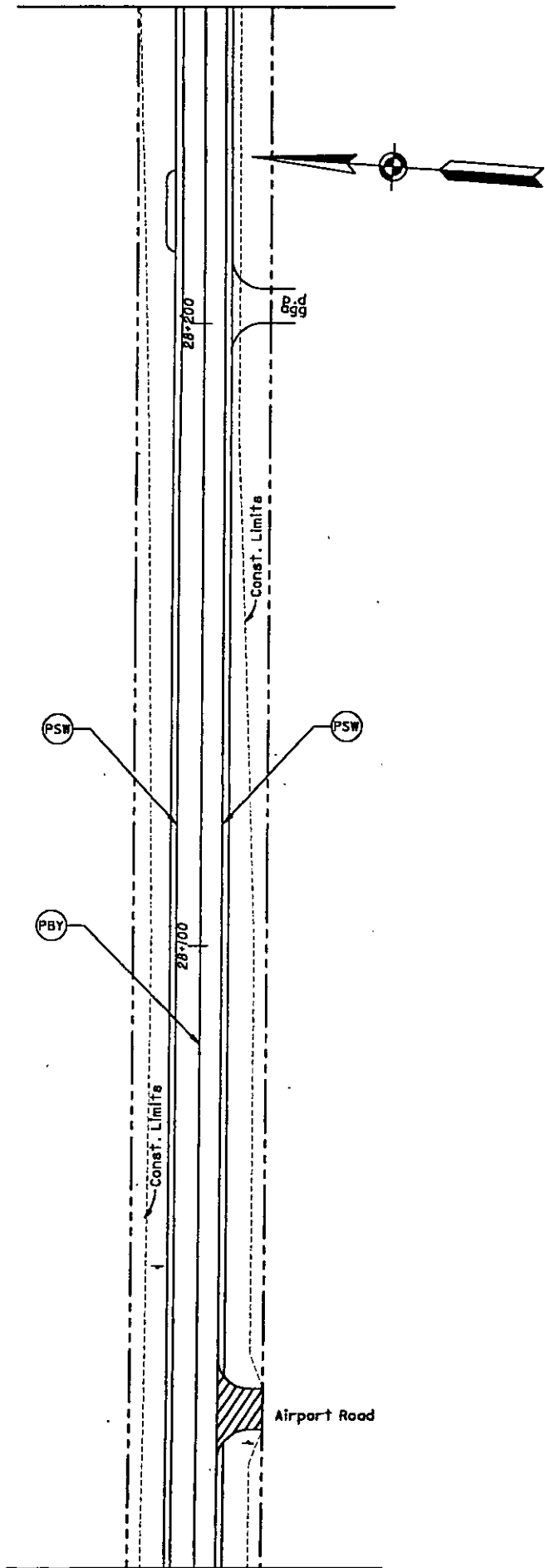


MATCH LINE 27+500

MATCH LINE 27+750

MATCH LINE 28+250

MATCH LINE 28+500

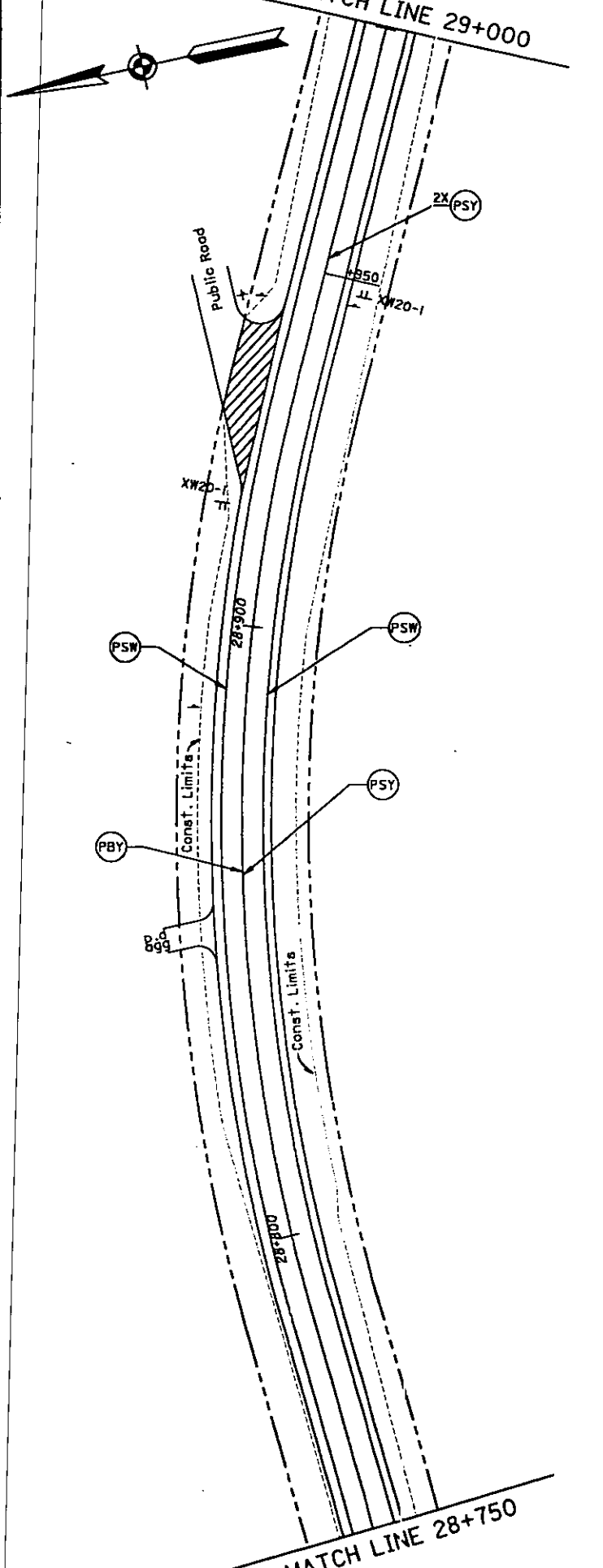
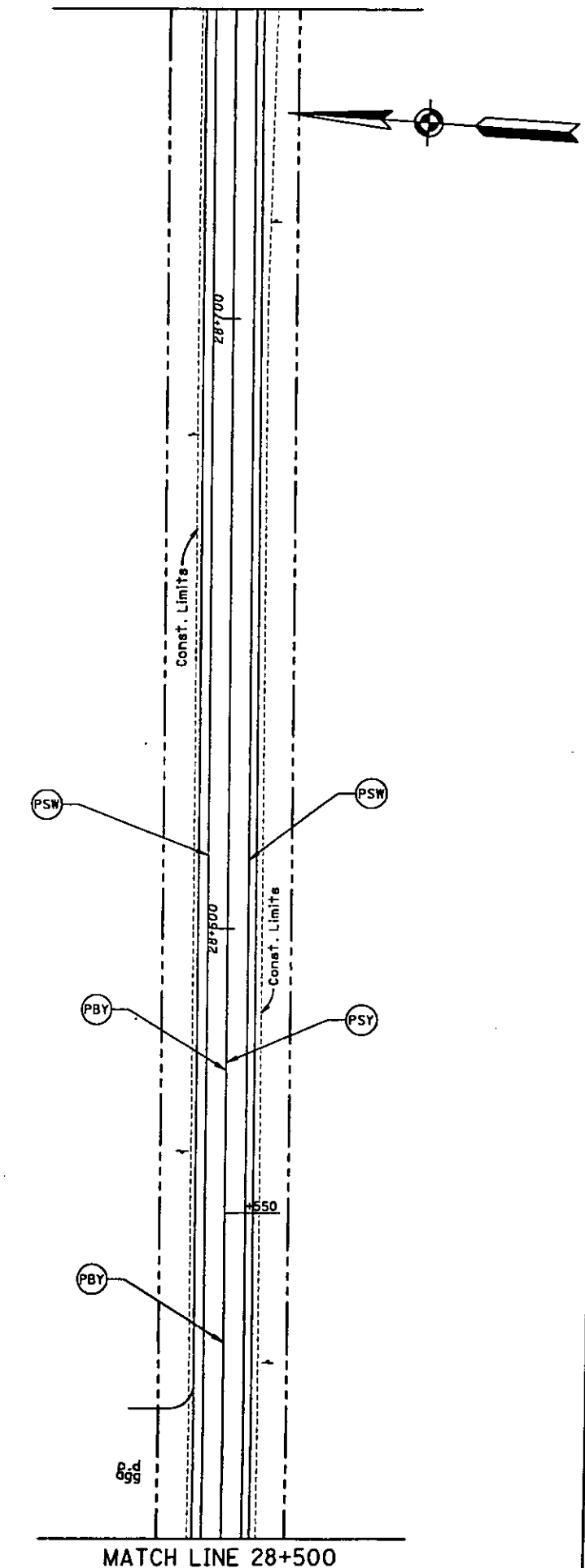


MATCH LINE 28+000

MATCH LINE 28+250

MATCH LINE 28+750

MATCH LINE 29+000

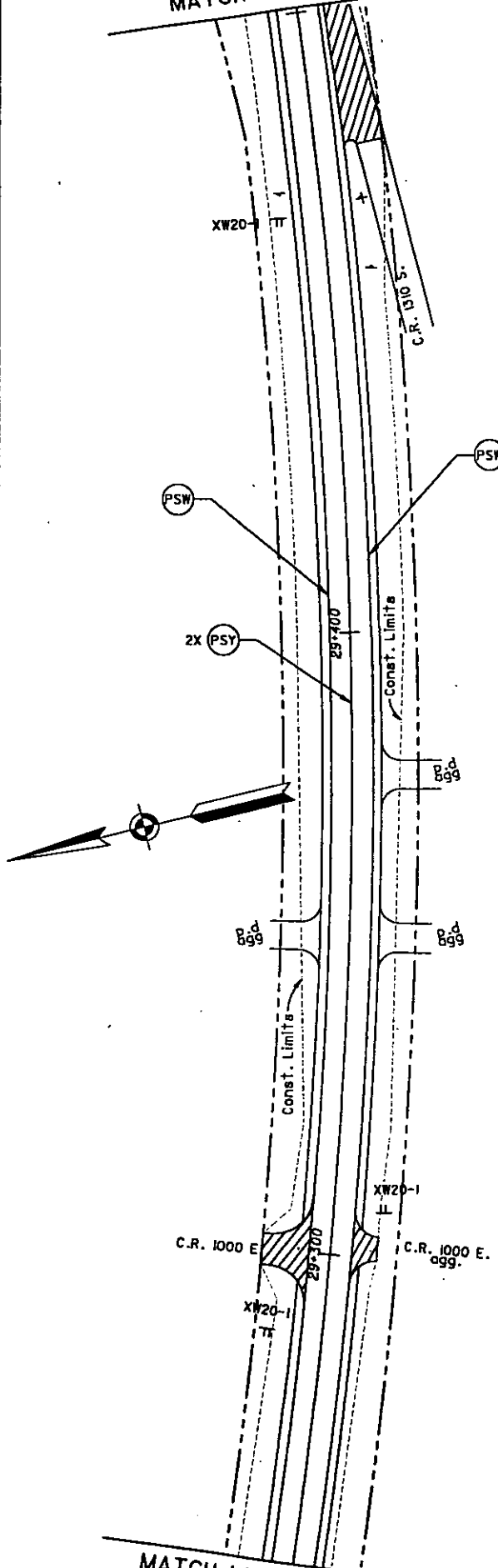
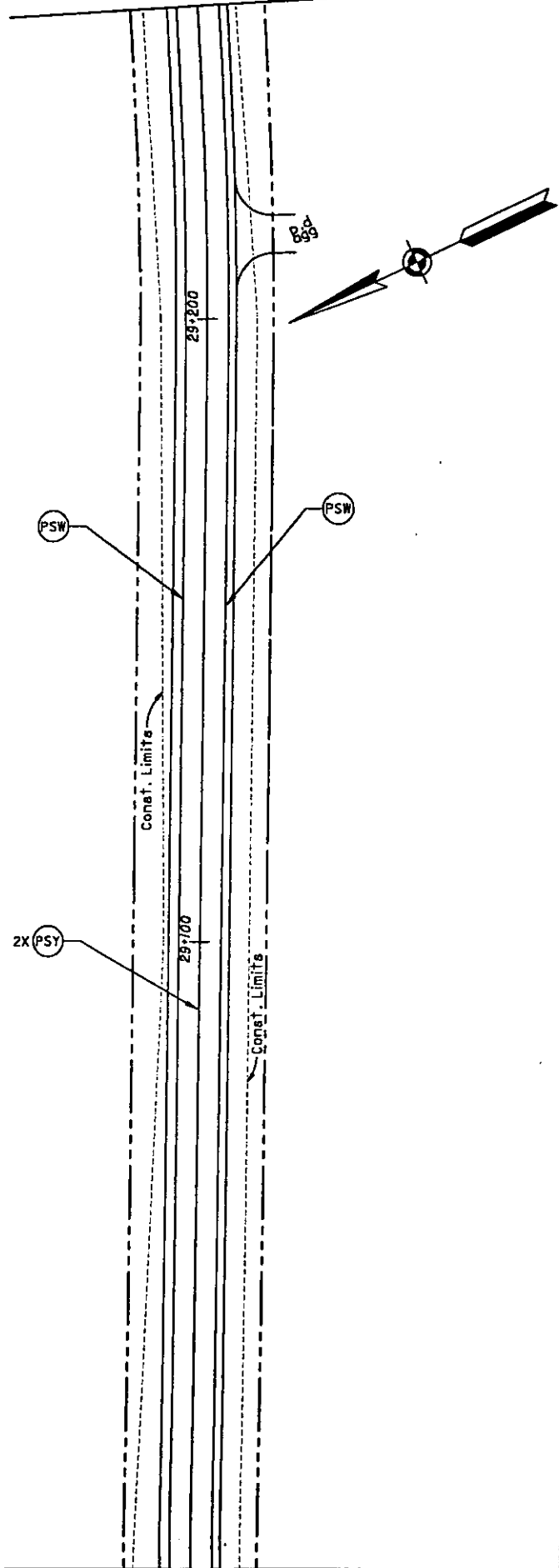


MATCH LINE 28+500

MATCH LINE 28+750

MATCH LINE 29+250

MATCH LINE 29+500



MATCH LINE 29+000

MATCH LINE 29+250

MATCH LINE 29+750

C.R. 1025 E.

C.R. 1025 E.
29+720

+725

XW20-1

XW20-1

29+700

Const. Limits

XW20-1

C.R. 1020 E.

XW20-1

29+500

Const. Limits

PSW

PSW

2X(PSY)

XW20-1



MATCH LINE 29+500

MATCH LINE 30+000

PBY

New C.R.E.T.
Type OS Req'd

New C.R.E.T.
Type OS Req'd

guardrail-
Adjust Height

guardrail-
Adjust Height

End Paving Exception
Sta. 29+968.7

New C.R.E.T.
Type OS Req'd

guardrail-
Adjust Height

Begin Paving Exception
Sta. 29+927.0

guardrail-
Adjust Height

New C.R.E.T.
Type OS Req'd

PSW

PSW

Const. Limits

Const. Limits

29+900

29+800

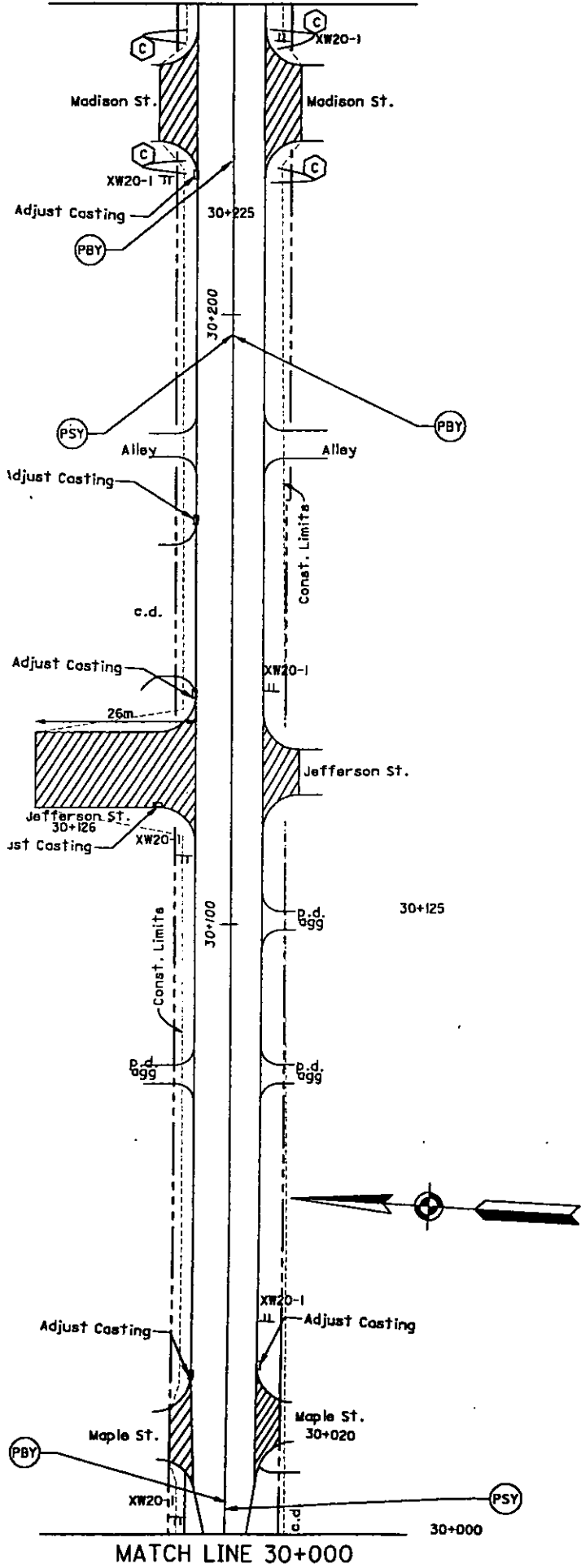


PSY

PBY

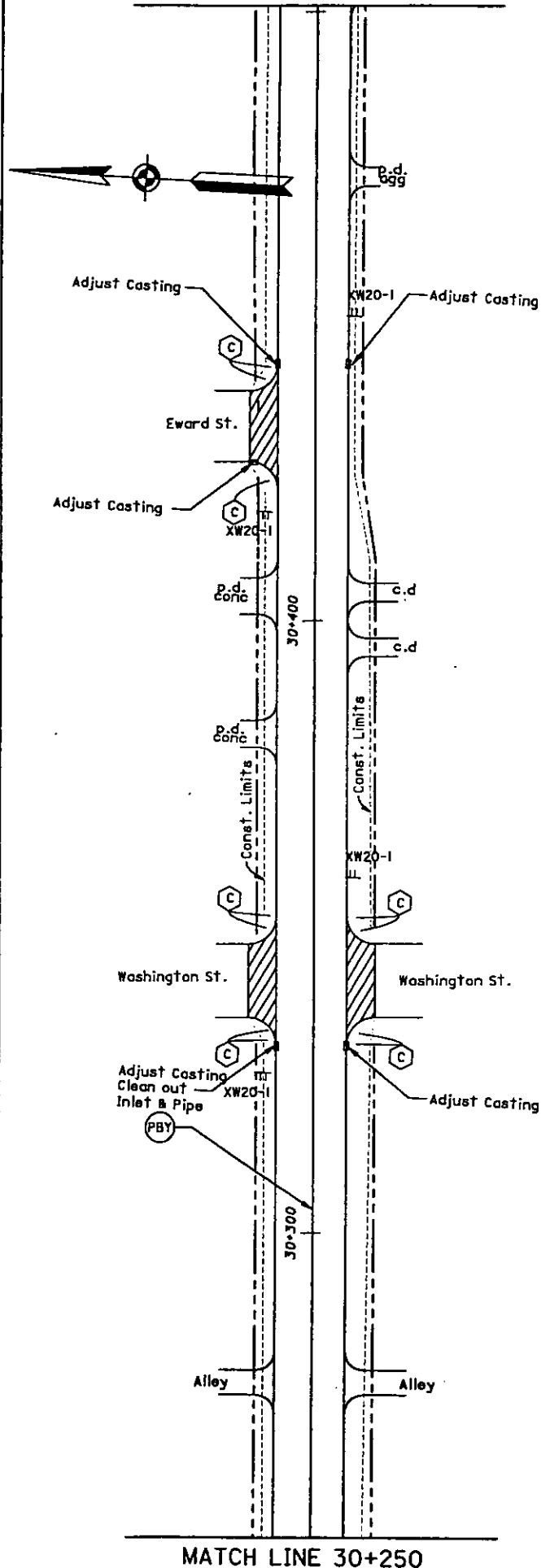
MATCH LINE 29+750

MATCH LINE 30+250



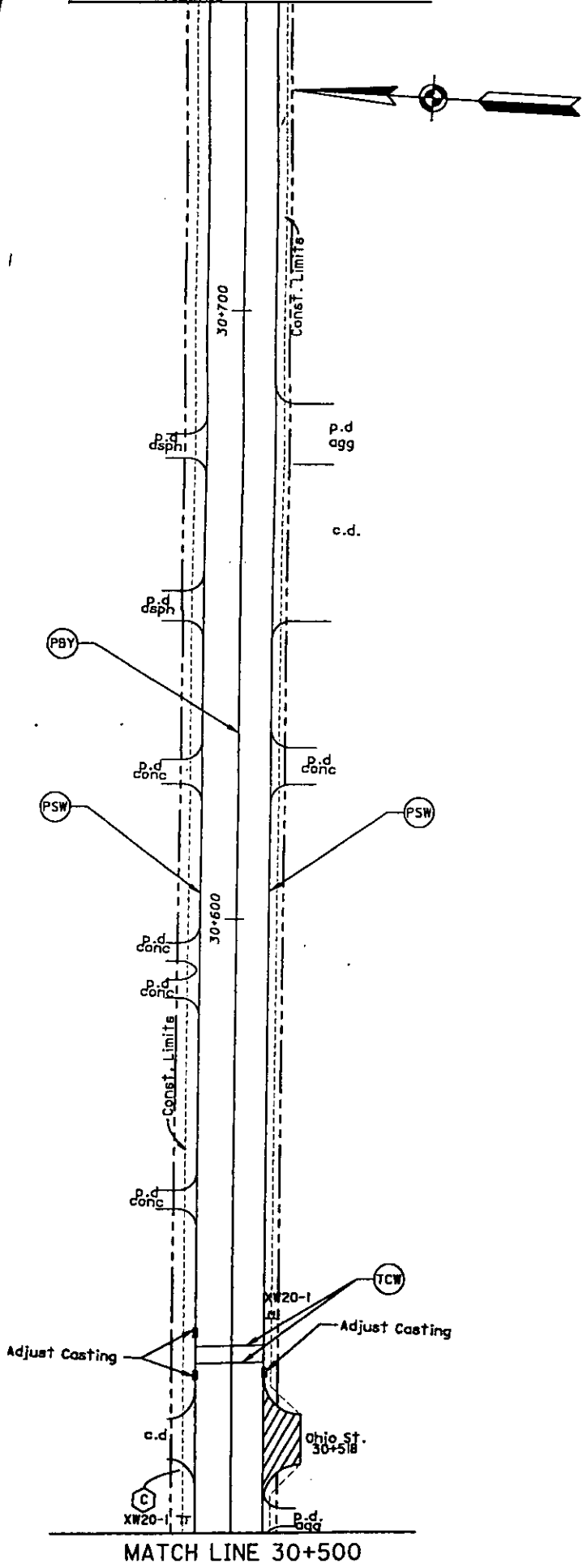
MATCH LINE 30+000

MATCH LINE 30+500



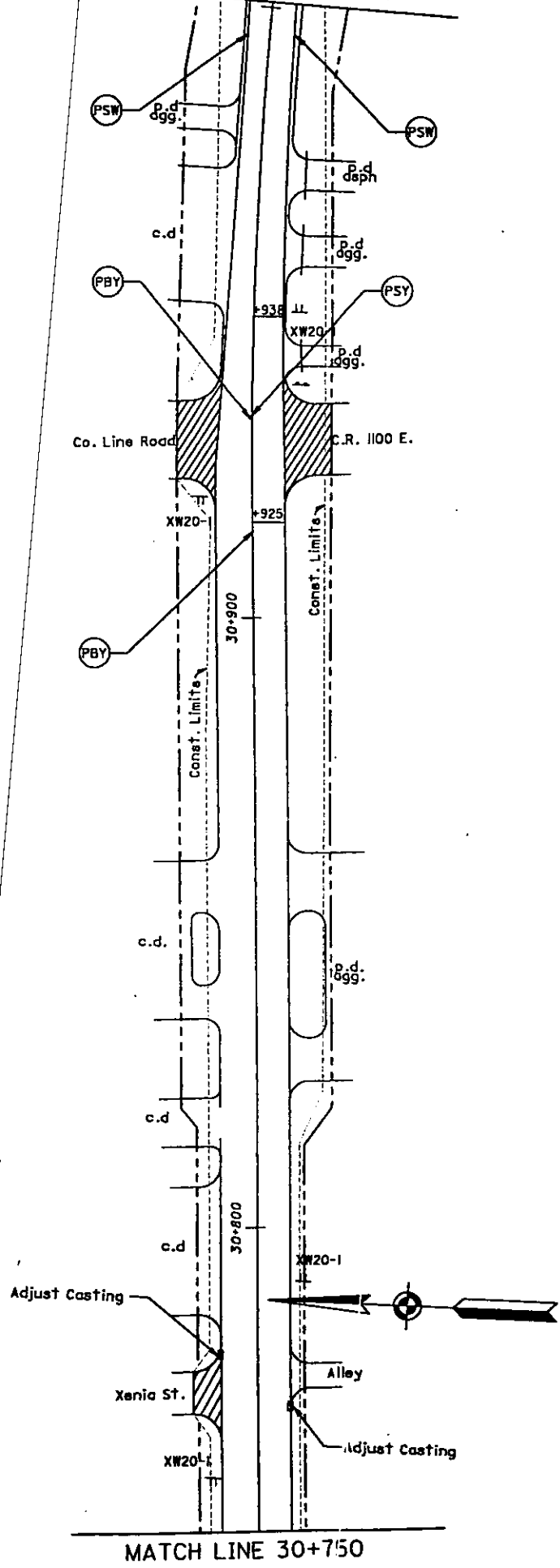
MATCH LINE 30+250

MATCH LINE 30+750



MATCH LINE 30+500

MATCH LINE 31+000



MATCH LINE 30+750

MATCH LINE 31+250

MATCH LINE 31+500

2X (PSY)

XW20-1

Third St.

31+200

Const. Limits

B.d Bgg

B.d Bgg

(PBY)

(PSY)

(PSW)

(PSW)

31+100

B.d asph

XW20-1

Second St.

Second St.

XW20-1

B.d Bgg

B.d Bgg

MATCH LINE 31+000

B.d Bgg

B.d Bgg

B.d Bgg

B.d Bgg

Const. Limits

XW20-1

Fourth St.

31+400

C.R. 972 W. 31+402

XW20-1

Const. Limits



2X (PSY)

(PSW)

(PSW)

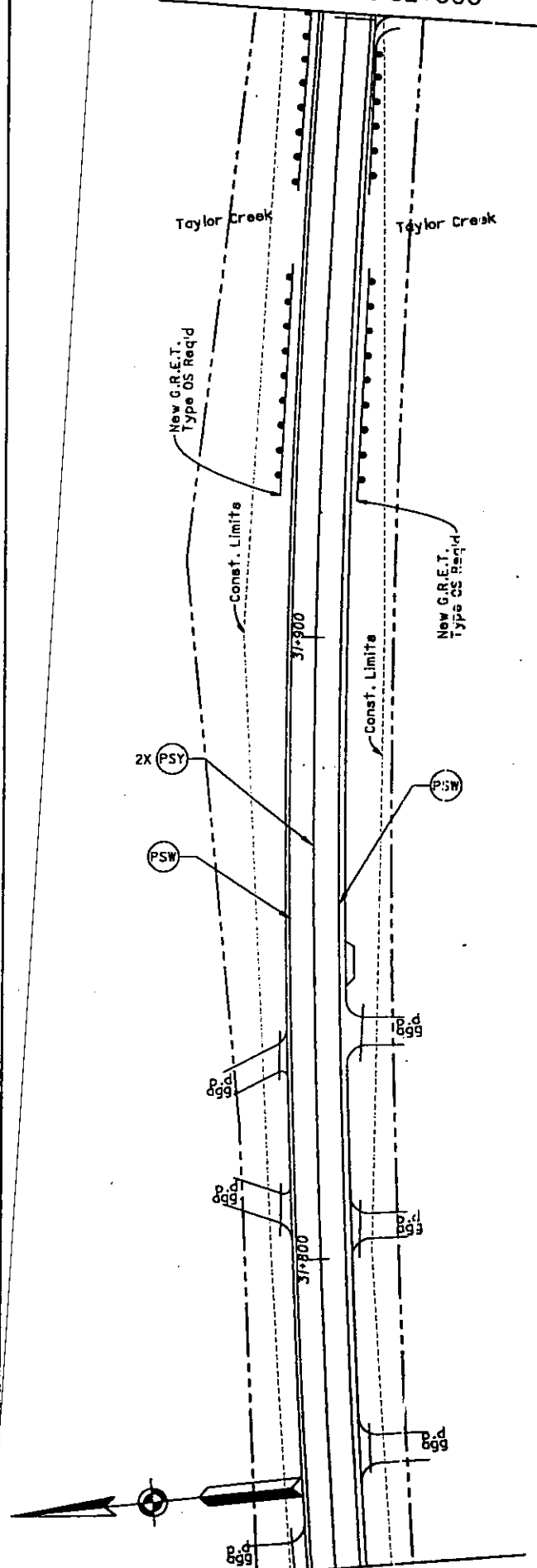
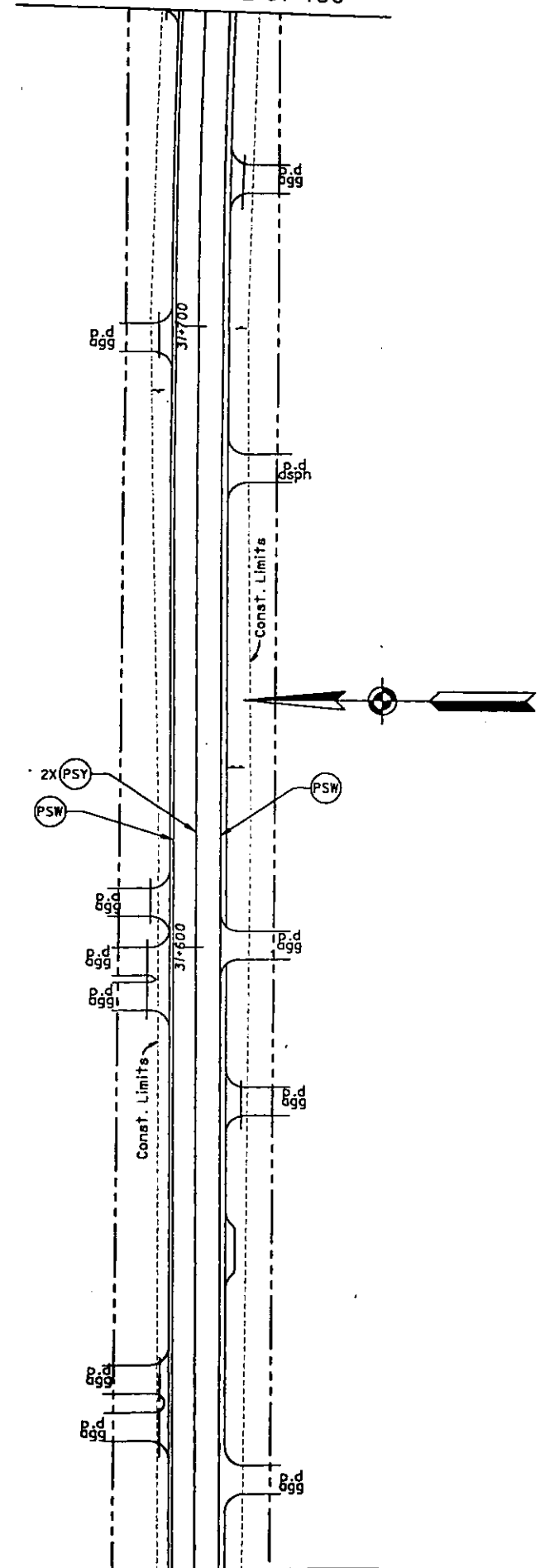
31+300

XW20-1

MATCH LINE 31+250

MATCH LINE 31+750

MATCH LINE 32+000

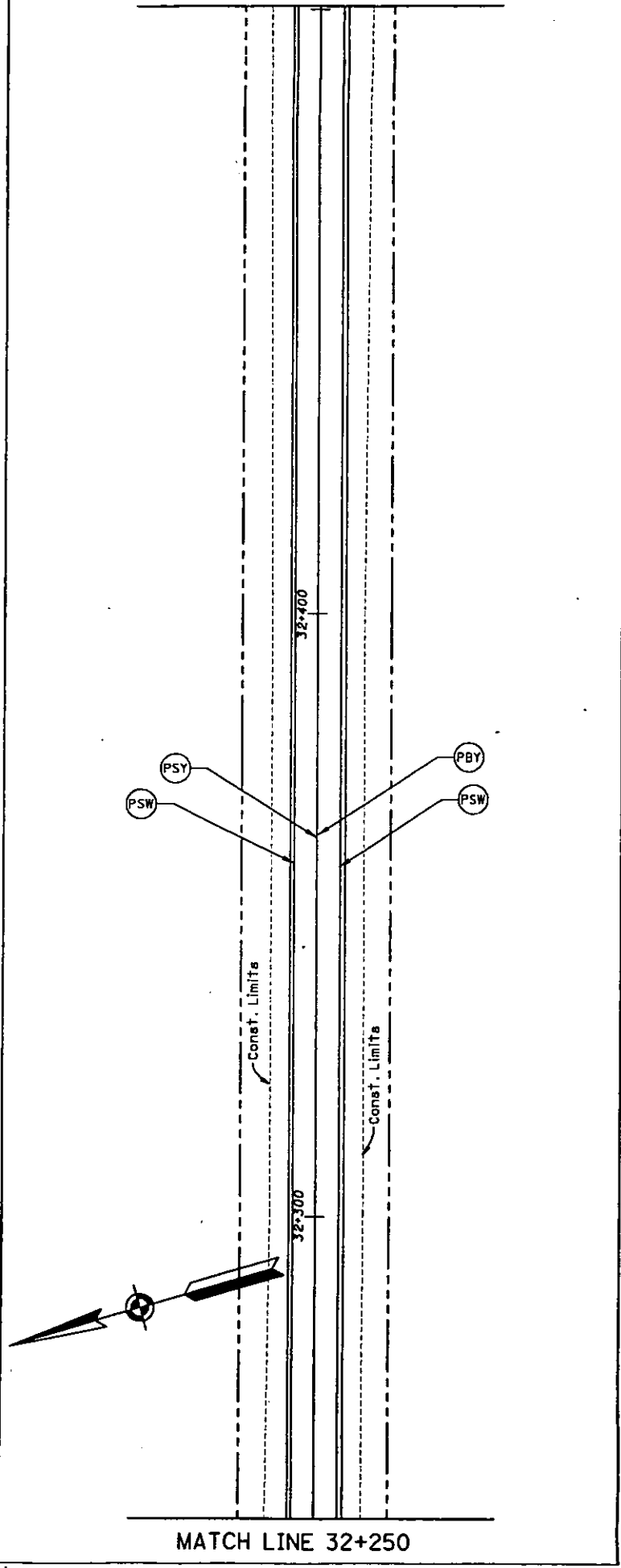
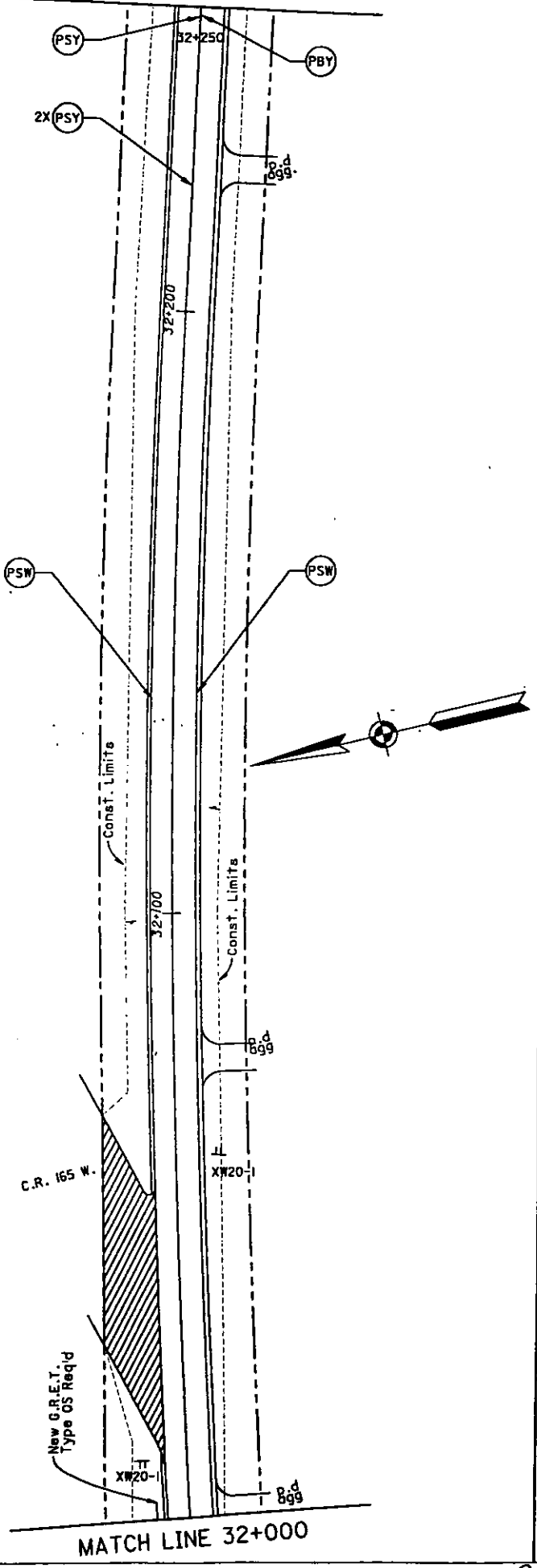


MATCH LINE 31+500

MATCH LINE 31+750

MATCH LINE 32+250

MATCH LINE 32+500

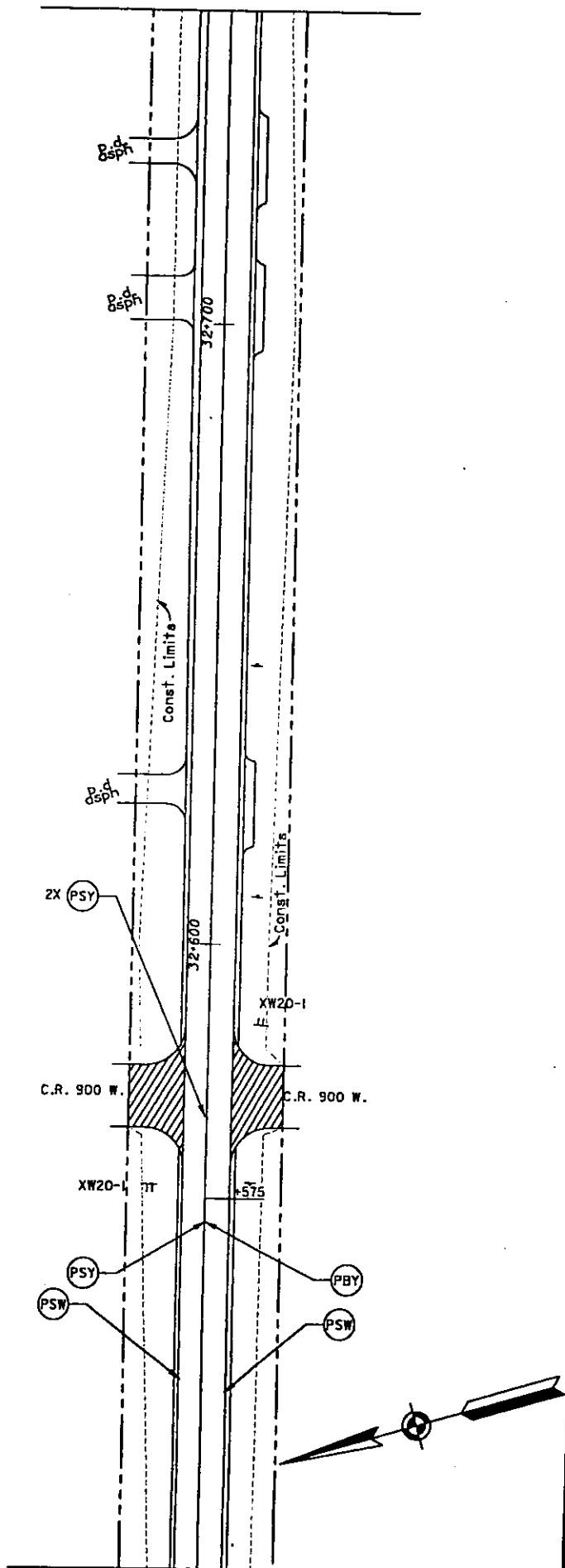


MATCH LINE 32+000

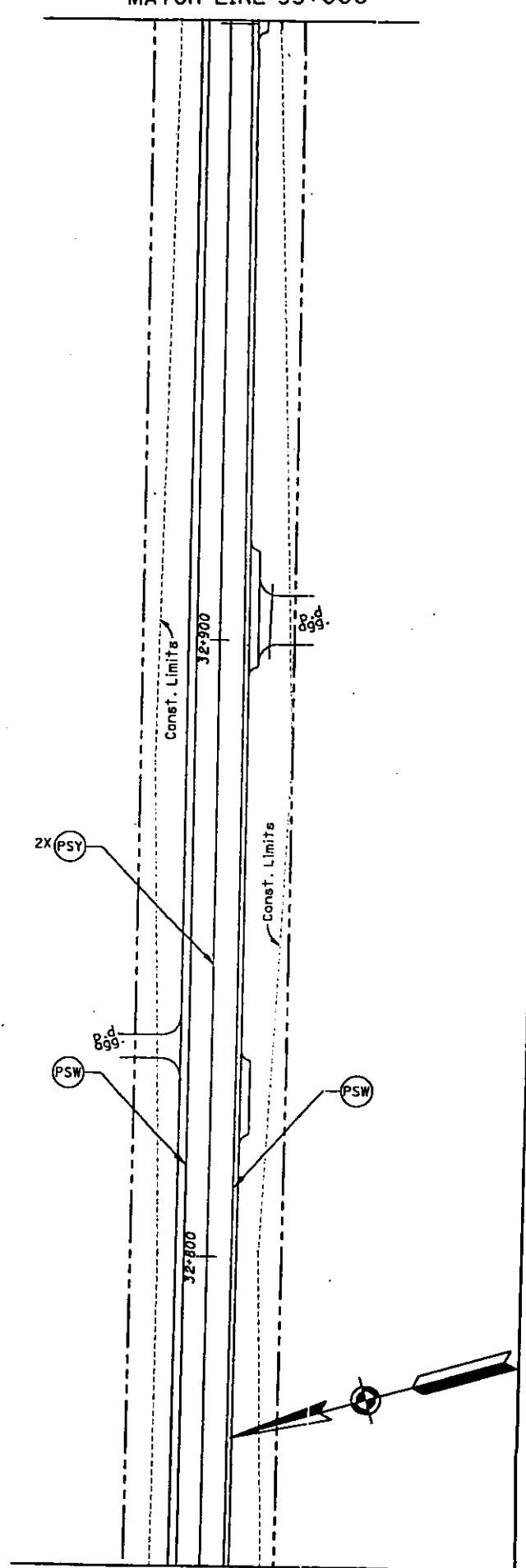
MATCH LINE 32+250

MATCH LINE 32+750

MATCH LINE 33+000



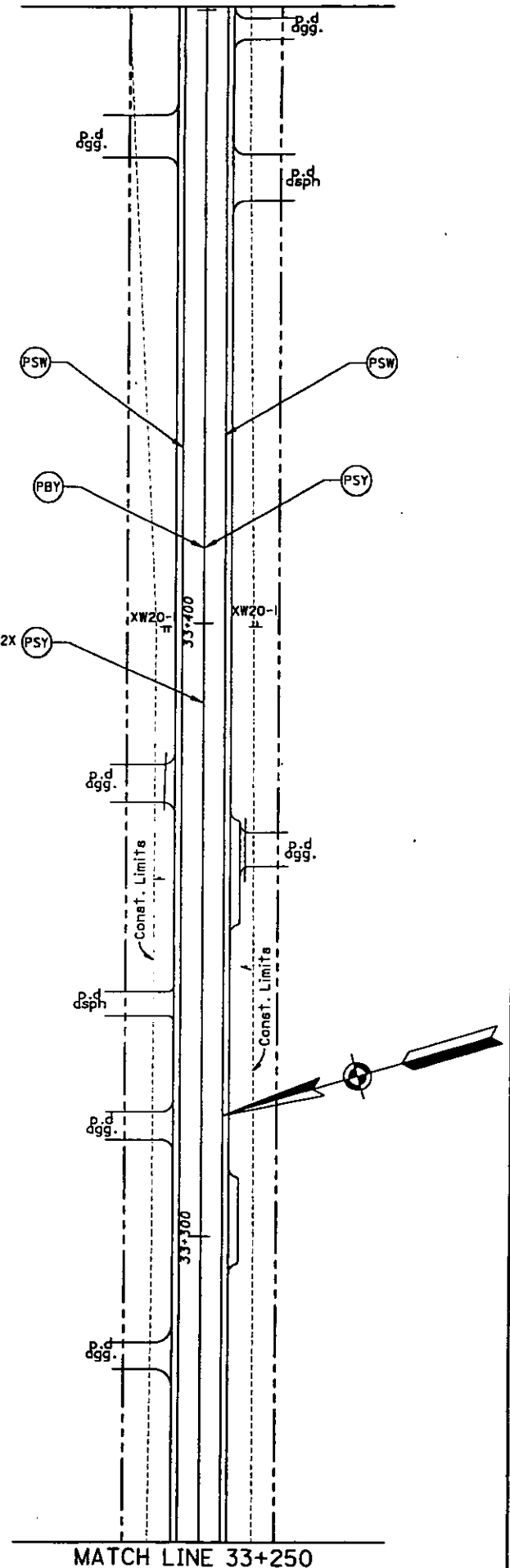
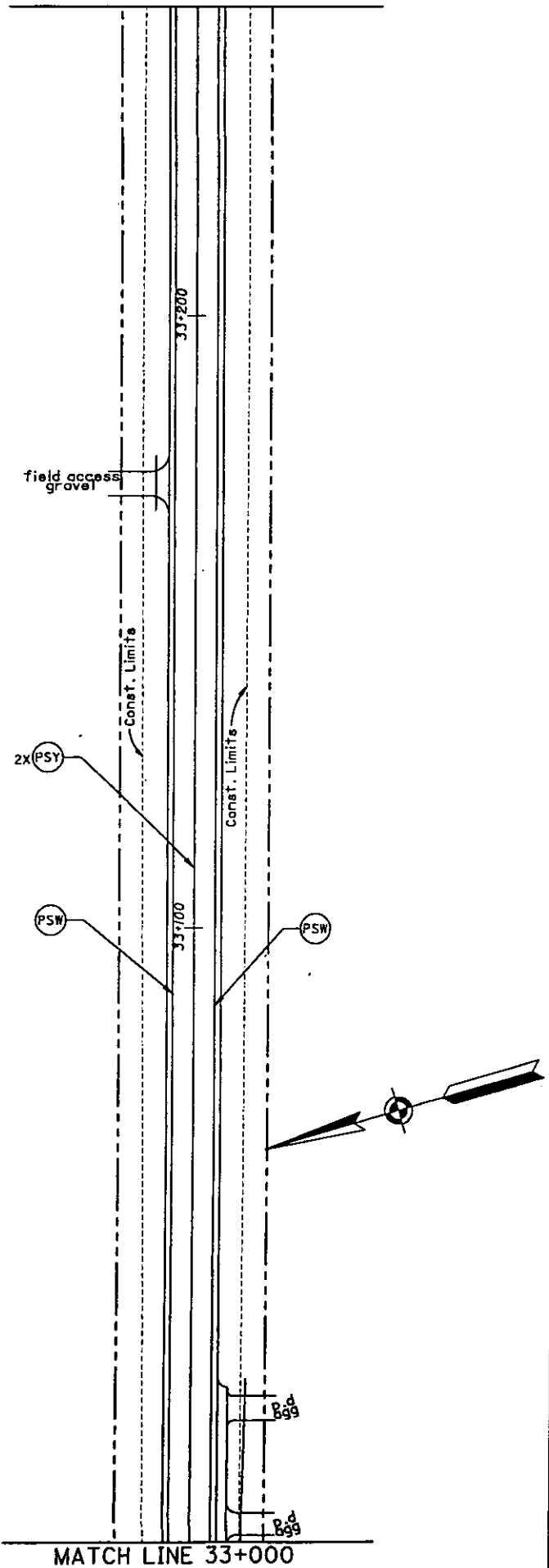
MATCH LINE 32+500



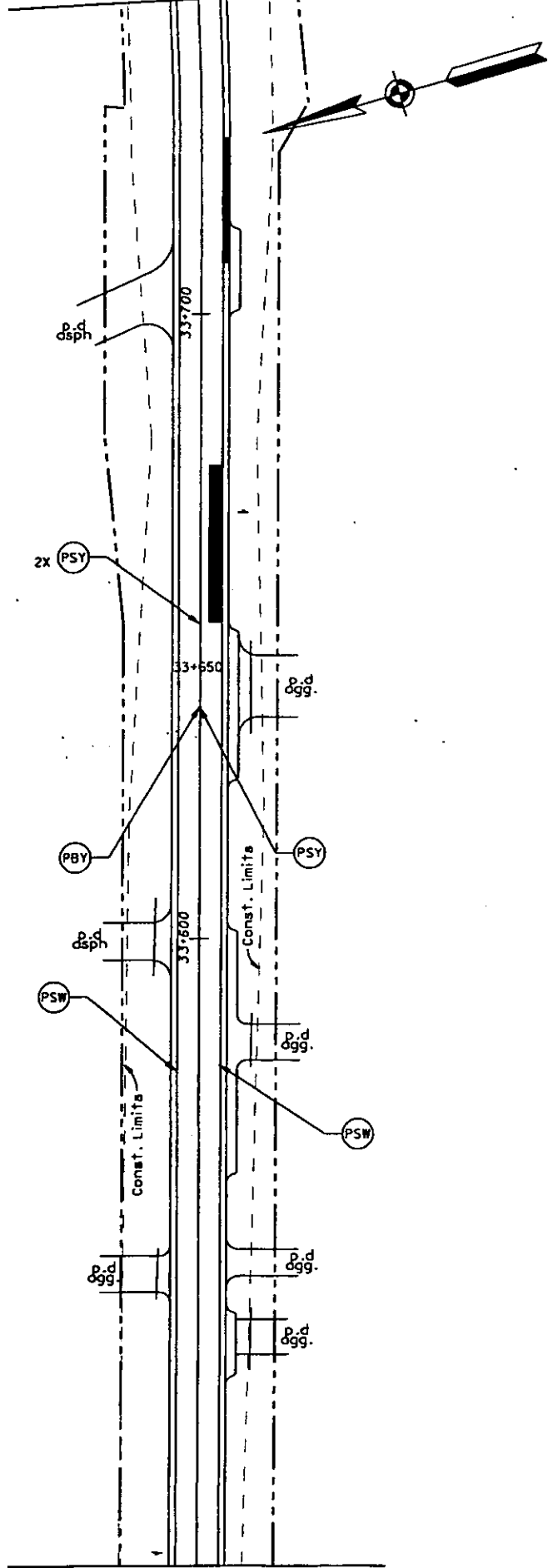
MATCH LINE 32+750

MATCH LINE 33+250

MATCH LINE 33+500

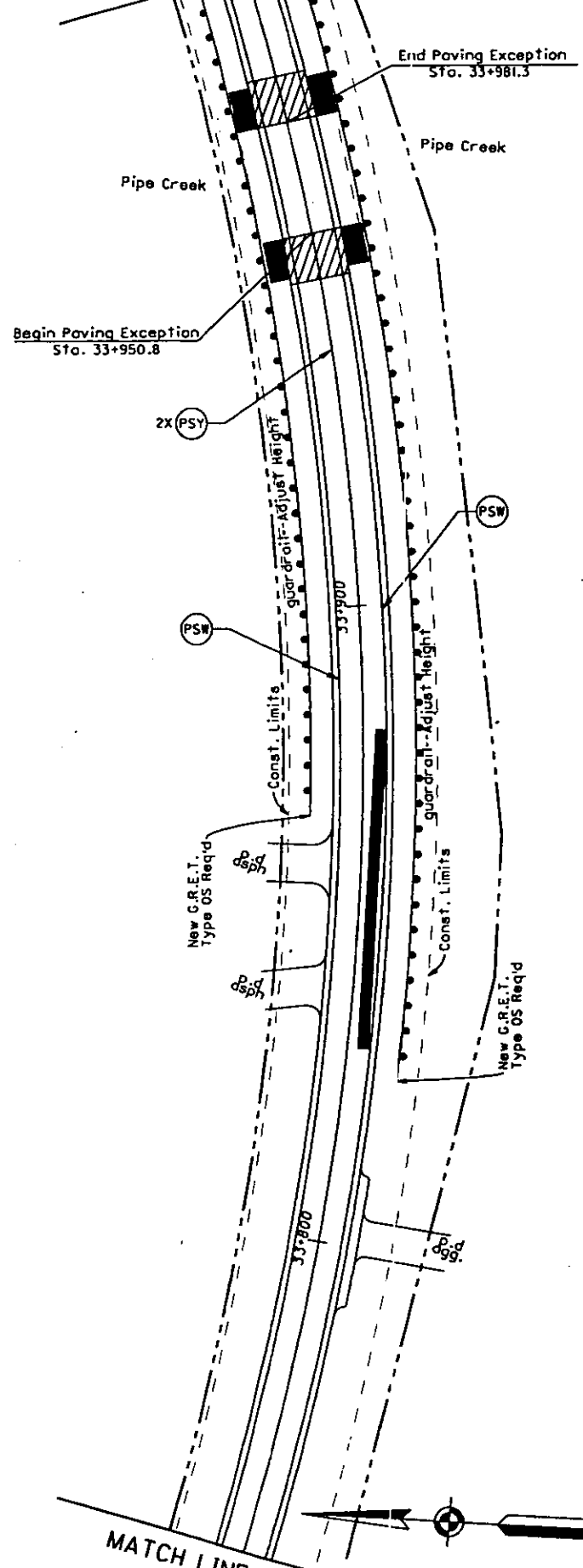


MATCH LINE 33+750



MATCH LINE 33+500

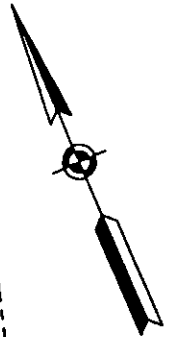
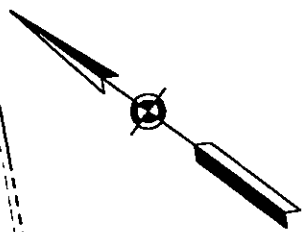
MATCH LINE 34+000



MATCH LINE 33+750

MATCH LINE 34+250

MATCH LINE 34+500



PSW
2x(PSY)
PSW
Const. Limits
PSW

PSW
Const. Limits
PSW
PSY

Const. Limits
34+700
New G.R.E.T.
Type OS Reqd
XW20
XW20-1

PSW
325
THY
LL XW20-1
PSW

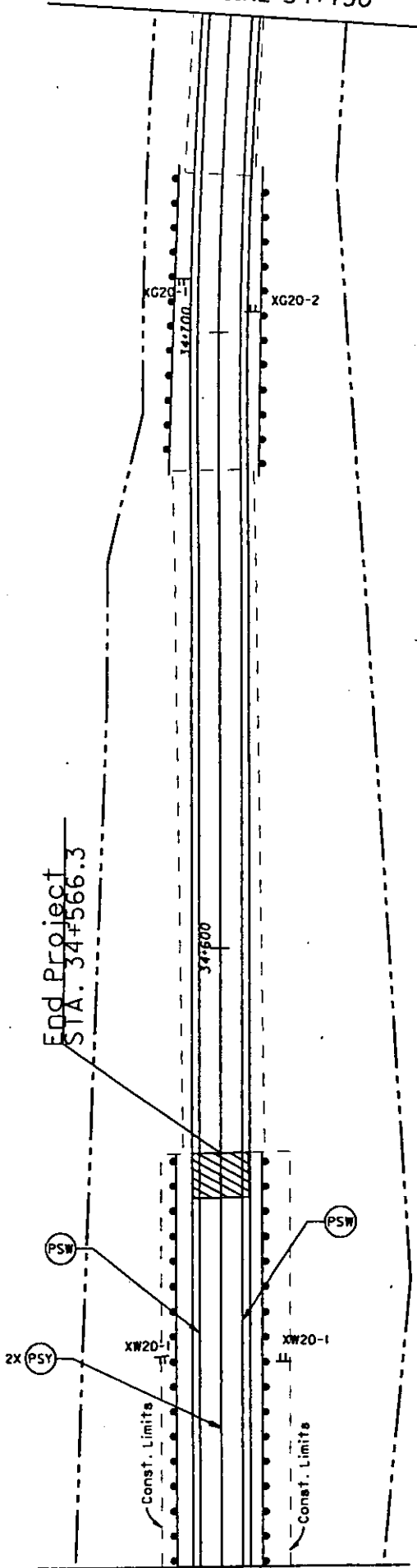
Mier Road

34+300
20E+
SB
PSY
S.R. 13
PSW

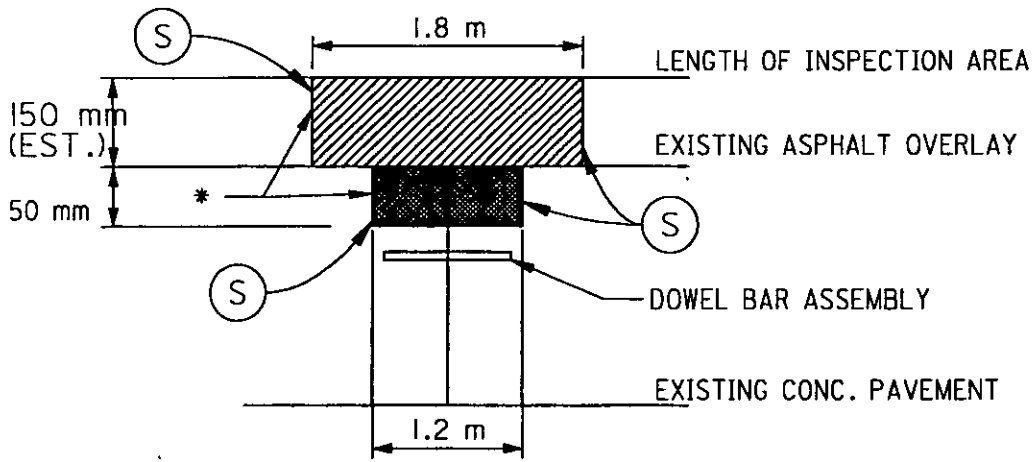
MATCH LINE 34+000

MATCH LINE 34+250

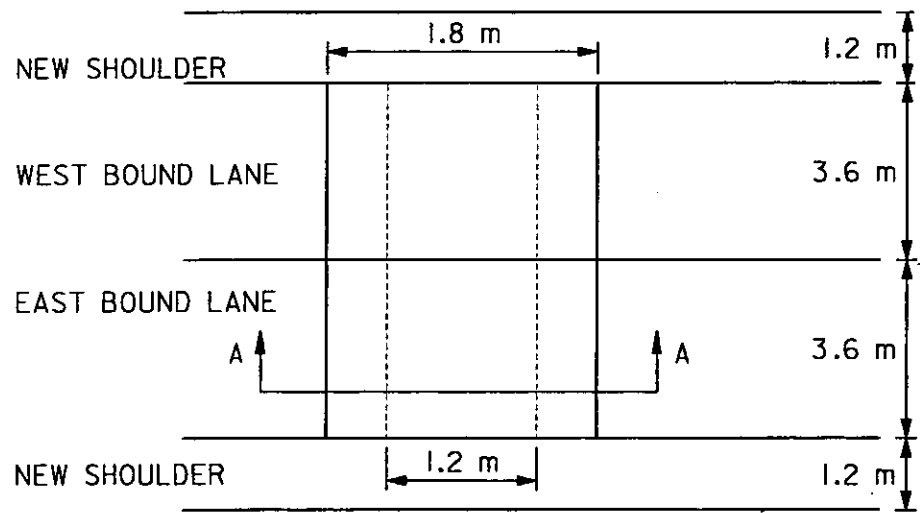
MATCH LINE 34+750



MATCH LINE 34+500






SECTION A-A



PLAN VIEW

LEGEND

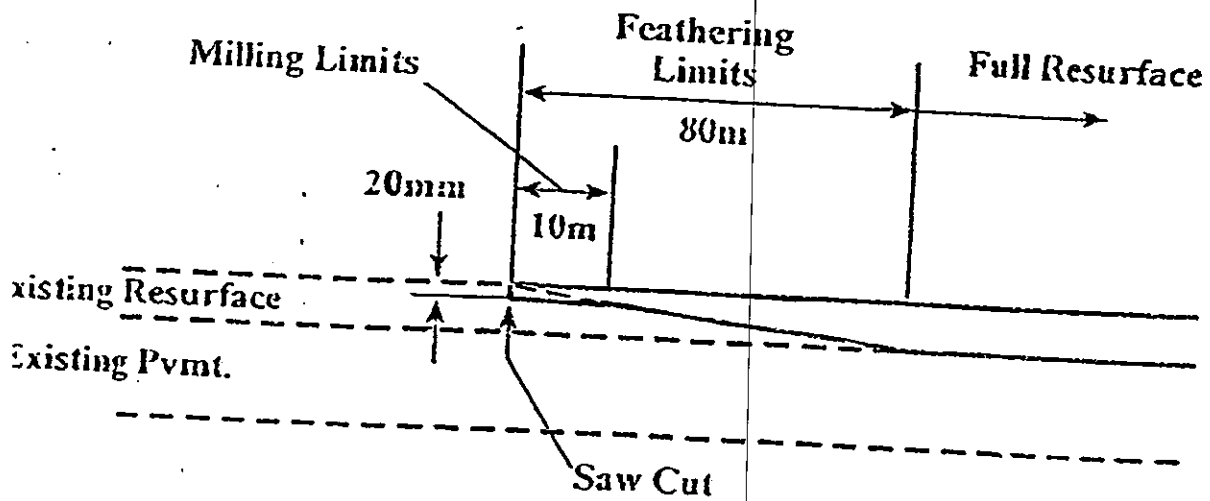
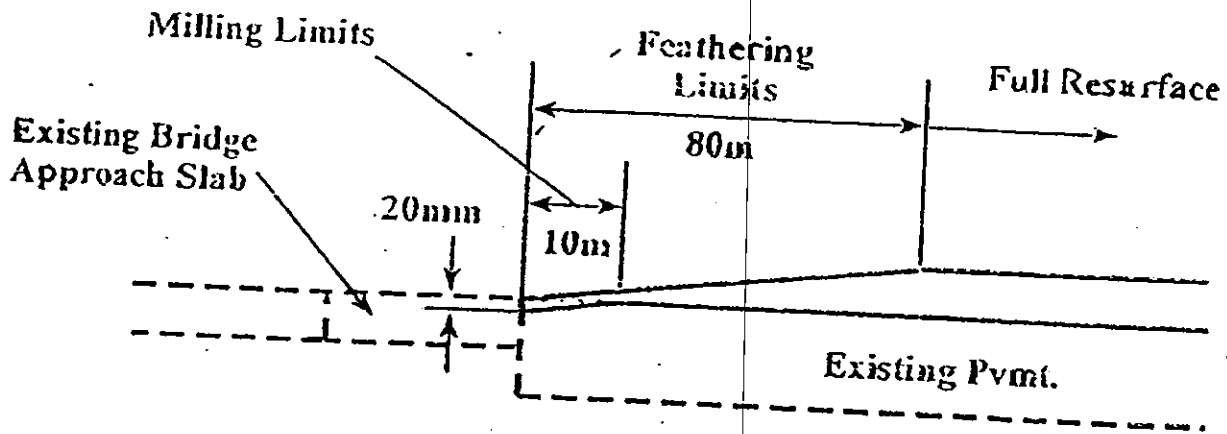
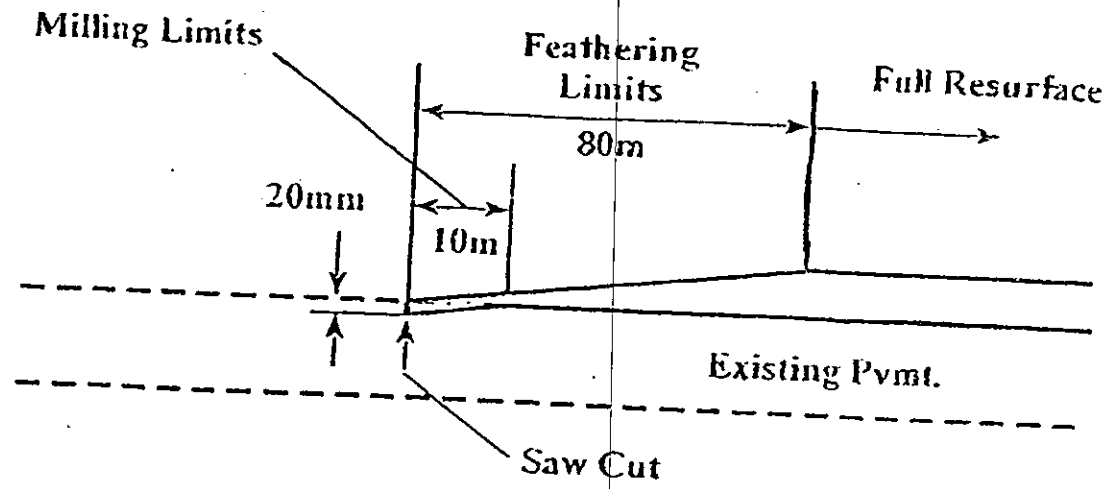
-  REMOVE ASPHALT SURFACE FOR JOINT INSPECTION
-  REMOVE CONCRETE SURFACE FOR JOINT PATCHING
- * HMA INTERMEDIATE 12.5 mm TO BE PAID FOR UNDER HMA FOR PATCHING ASPHALT PAVEMENT
-  SAW CUT

DESIGNER	DATE
CHECKED	DATE
APPROVED	DATE

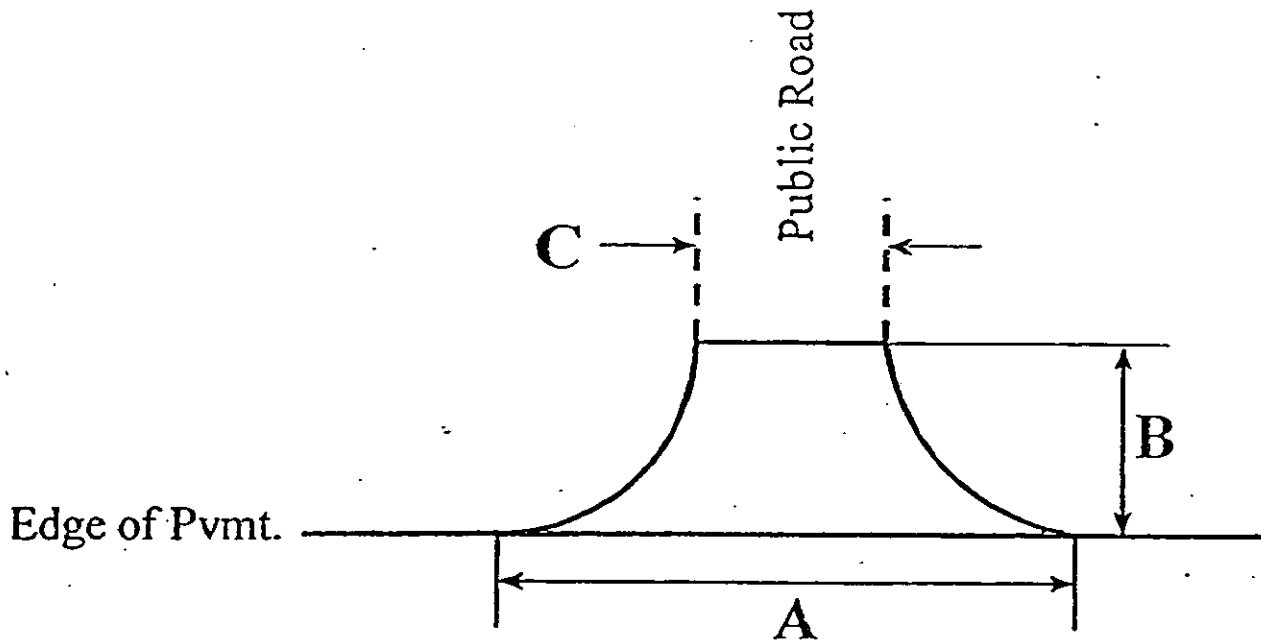
INDIANA
DEPARTMENT OF TRANSPORTATION
SPECIAL JOINT TREATMENT

DESIGN NUMBER	DATE
REVISION	DATE
BY	DATE
CHECKED	DATE

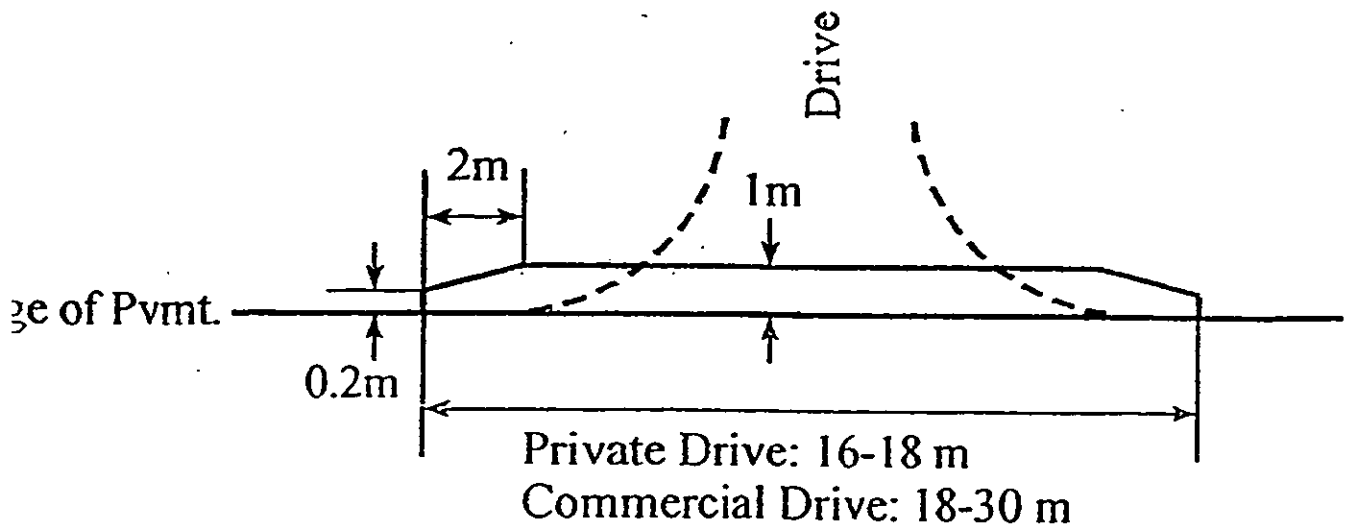
ASPHALT RESURFACE FEATHERING



ASPHALT RESURFACING APPROACHES

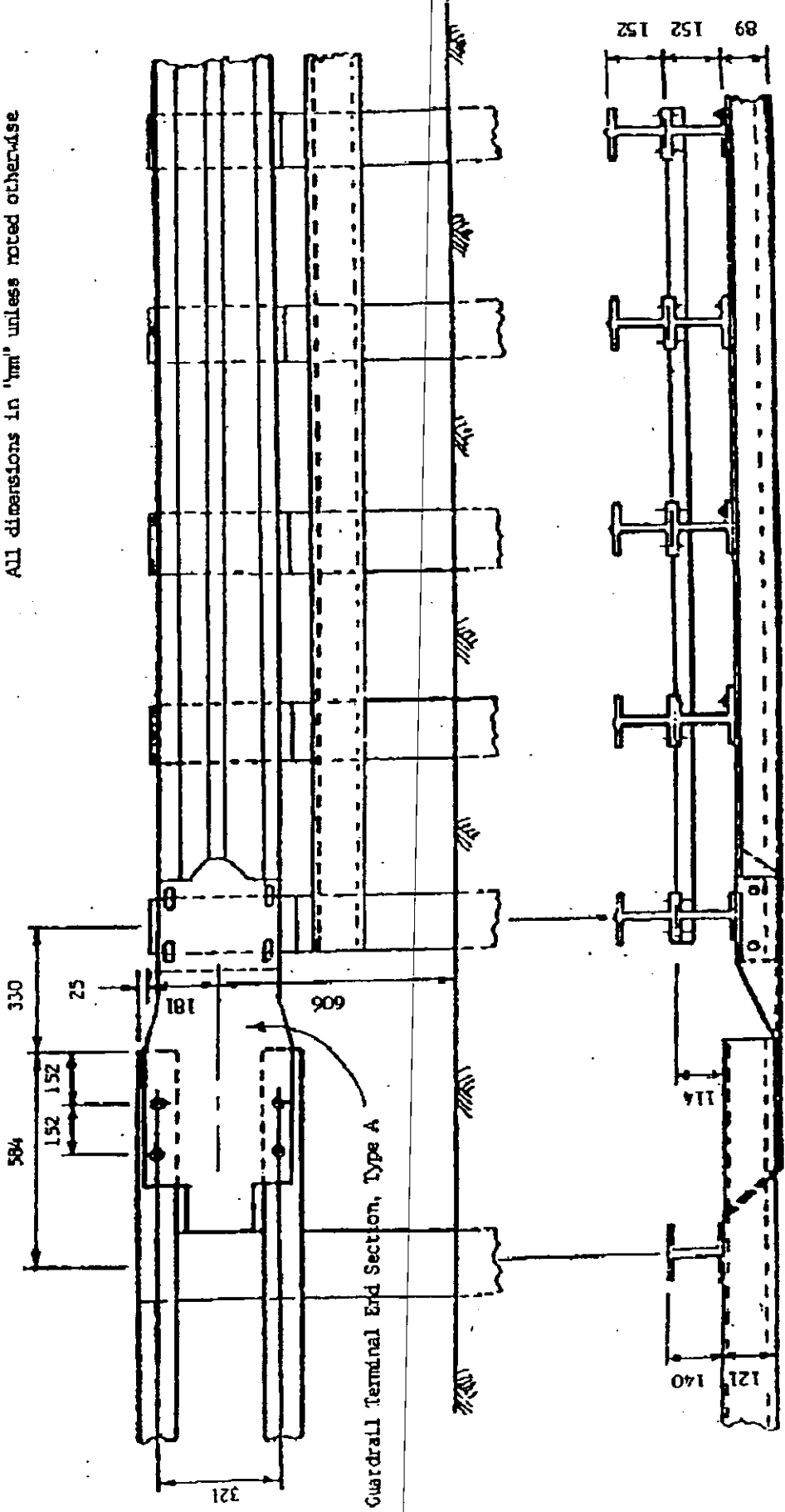


Public Road: See Approach Table for A, B & C dim.s



Aluminum Guardrail Steel Guardrail

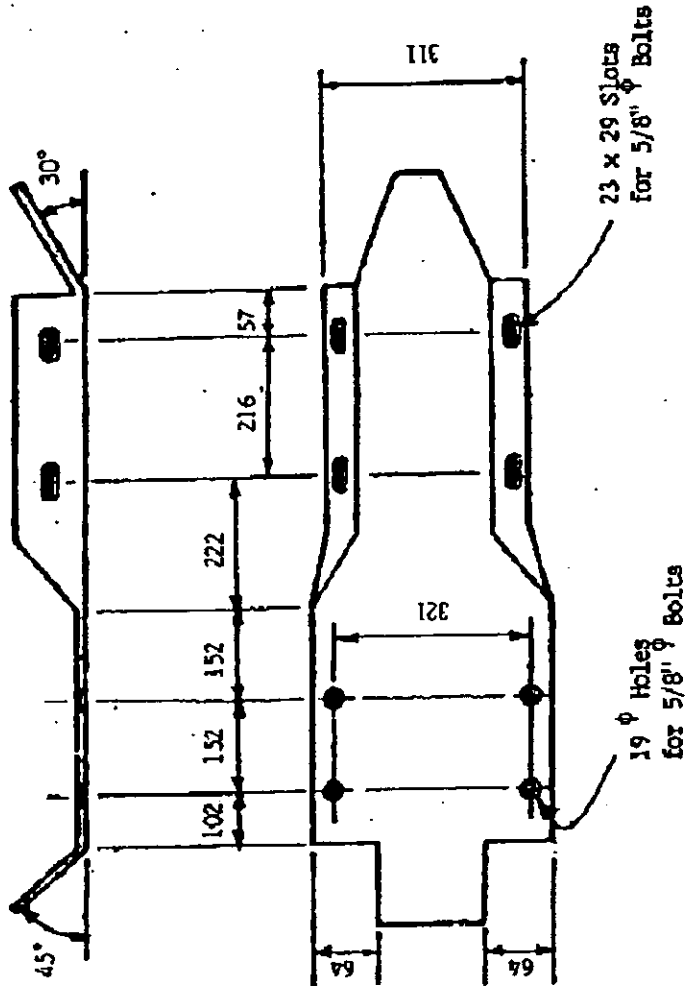
All dimensions in "mm" unless noted otherwise



Guardrail Terminal End Section, Type A

CONNECTION FROM STEEL TO ALUMINUM GUARDRAIL

All dimensions in "mm" unless noted otherwise



GUARDRAIL TERMINAL END SECTION, TYPE A

(Connection from Steel to Aluminum Guardrail)

SUMMARY TABLES

Station From	Station To	Length m	Variable Depth Bituminous Surface Milling m ²	area m ²	QC/QA HMA Surface, 9.5mm Mg	QC/QA HMA Intermediate, 19.0mm Mg	HMA Wedge and Level Mg	Temporary Pavement Marking, Yellow, 100mm m	Temporary Pavement Marking, White, 100mm m
25+073	25+083	10	94.5						
25+083	25+186	103		918.0	68.9	96.4	68.9	206	206
25+186	25+371	185		2554.0	191.6	268.2	191.6	185	370
25+371	25+380	9		170.0	12.8	17.9	12.8	9	18
25+380	25+389	9	135.8	353.0	26.5	37.1	26.5	9	18
25+389	25+435	46		695.0	52.1	73.0	52.1	46	92
25+435	25+518	83		1056.0	79.2	110.9	79.2	166	166
25+518	25+800	282		2851.0	213.8	299.4	213.8	282	564
25+800	26+095	295	247.0	2884.0	216.3	302.8	216.3	295	590
26+095	28+022	1927		18986.0	1424.0	1993.5	1424.0	1927	3854
28+022	28+028	6	58.0	49.0	3.7	5.1	3.7	6	12
28+028	28+446	418		2467.0	185.0	259.0	185.0	418	836
28+446	28+454	8	100.6	54.0	4.1	5.7	4.1	8	16
28+454	28+550	96		260.0	19.5	27.3	19.5	96	192
28+550	28+920	370		4284.0	321.3	449.8	321.3	370	740
28+920	28+950	30	126.5	284.0	21.3	29.8	21.3	30	60
28+950	29+290	340		3271.0	245.3	343.5	245.3	340	680
29+290	29+308	18	74.5	143.0	10.7	15.0	10.7	18	36
29+308	29+476	168		1556.0	116.7	163.4	116.7	168	336
29+476	29+537	61	251.5	540.0	40.5	56.7	40.5	61	122
29+537	29+606	69		635.0	47.6	66.7	47.6	69	138
29+606	29+622	16	69.3	131.0	9.8	13.8	9.8	16	32
29+622	29+709	87		812.0	60.9	85.3	60.9	87	174
29+709	29+717	8		65.0	4.9	6.8	4.9	8	16
29+717	29+722	5	111.0	36.0	2.7	3.8	2.7	5	10
29+722	29+725	3		23.0	1.7	2.4	1.7	3	6
29+725	29+925	200		1859.0	139.4	195.2	139.4	200	400
29+925	30+008	83		545.0	40.9	57.2	40.9	83	166
30+008	30+125	117	85.5	1295.0	97.1	136.0	97.1	117	234

SUMMARY TABLES

Station From	Station To	Length m	Variable Depth Bituminous Surface Milling m ²	area m ²	QC/QA HMA Surface, 9.5mm Mg	QC/QA HMA Intermediate, 19.0mm Mg	HMA Wedge and Level Mg	Temporary Pavement Marking, Yellow, 100mm m	Temporary Pavement Marking, White, 100mm m
30+125	30+225	100	404.1	1132.0	84.9	118.9	84.9	100	200
30+225	30+925	700	611.1	7910.0	593.3	830.6	593.3	700	1400
30+925	30+938	13	193.8	137.0	10.3	14.4	10.3	13	26
30+938	31+067	129		1202.0	90.2	126.2	90.2	129	258
31+067	31+085	18	139.6	143.0	10.7	15.0	10.7	18	36
31+085	31+234	149		1371.0	102.8	144.0	102.8	149	298
31+234	31+251	17	71.8	142.0	10.7	14.9	10.7	17	34
31+251	31+390	139		1279.0	95.9	134.3	95.9	139	278
31+390	31+407	17	143.1	132.0	9.9	13.9	9.9	17	34
31+407	32+007	600		5500.0	412.5	577.5	412.5	600	1200
32+007	32+054	47	358.3	397.0	29.8	41.7	29.8	47	94
32+054	32+064	10		90.0	6.8	9.5	6.8	10	20
32+064	32+250	186		1674.0	125.6	175.8	125.6	186	372
32+250	32+564	314		2828.0	212.1	296.9	212.1	314	628
32+564	32+575	11		91.0	6.8	9.6	6.8	11	22
32+575	32+580	5	198.8	42.0	3.2	4.4	3.2	5	10
32+580	32+586	6		52.0	3.9	5.5	3.9	6	12
32+586	33+400	814		7540.0	565.5	791.7	565.5	814	1628
33+400	33+650	250		2250.0	168.8	236.3	168.8	250	500
33+650	34+256	606		5786.0	434.0	607.5	434.0	606	1212
34+256	34+263	7		135.0	10.1	14.2	10.1	7	14
34+263	34+282	19	914.7	318.0	23.9	33.4	23.9	19	38
34+282	34+300	18		358.0	26.9	37.6	26.9	18	36
34+300	34+567	267		2929.0	219.7	307.5	219.7	267	534
TOTALS			4294.9		6916.1	9682.5	6916.1	9670.0	18968.0

SUMMARY TABLES

Station From	Station To	Line, Paint, Solid, White, 100mm	Line, Thermo, Solid, Yellow, 100mm	Line, Thermo, Broken, Yellow, 100mm	Transverse Markings, Thermo, Crosshatch Line, 300mm	Transverse Markings, Thermo, Stop Line, 600mm	Transverse Markings, Thermo, Crosswalk Line, 150mm	Transverse Markings, Thermo, Word (ONLY)	Transverse Markings, Thermo, Lane Ind. Arrow
		m	m	m	m	m	m		
25+073	25+083								
25+083	25+186	207	208	52					
25+186	25+371	377	714	179	198				
25+371	25+380	10							
25+380	25+389	9							
25+389	25+435	131	93	23				1	
25+435	25+518	200	322	81					
25+518	25+800	568	282.0	141.0					
25+800	26+095	564	91.0	74.0					
26+095	28+022	4425		406.0					
28+022	28+028	7		2.0					
28+028	28+446	820		105.0					
28+446	28+454			2.0					
28+454	28+550	186		24.0					
28+550	28+920	742	371.0	127.0					
28+920	28+950	33	44.0	16.0					
28+950	29+290	682	682	171					
29+290	29+308	9	18	9					
29+308	29+476	338	337	84					
29+476	29+537	63	123	31					
29+537	29+606	138	139	35					
29+606	29+622	17	33	8					
29+622	29+709	175	176	44					
29+709	29+717	3	16	4					
29+717	29+722		5	1					
29+722	29+725		3						
29+725	29+925	397	200.0	100.0					
29+925	30+008	167	83.0	42.0					
30+008	30+125	3	117.0	59.0					

W

SUMMARY TABLES

Station From	Station To	Line, Paint, Solid, White, 100mm	Line, Thermo, Solid, Yellow, 100mm	Line, Thermo, Broken, Yellow, 100mm	Transverse Markings, Thermo, Crosshatch Line, 300mm	Transverse Markings, Thermo, Stop Line, 600mm	Transverse Markings, Thermo, Crosswalk Line, 150mm	Transverse Markings, Thermo, Word (ONLY)	Transverse Markings, Thermo, Lane Ind. Arrow
30+125	30+225	m	100.0	m	m	m	m		
30+225	30+925		699.0	50.0			11.3		
30+925	30+938			350.0					
30+938	31+067	260		7.0					
31+067	31+085	2	0.0	65.0					
31+085	31+234	300	102.0	0.0					
31+234	31+251	17	17.0	51.0					
31+251	31+390	277	280	6.0					
31+390	31+407		35	70					
31+407	32+007	1199	1204	9					
32+007	32+054	50	95	301					
32+054	32+064	20	20	24					
32+064	32+250	375	277	5					
32+250	32+564	629		94					
32+564	32+575			157.0					
32+575	32+580			6.0					
32+580	32+586			3.0					
32+586	33+400	1629		3.0					
33+400	33+650	500	500.0	407.0					
33+650	34+256	1341	1214	125.0					
34+256	34+263		15	304				1	2
34+263	34+282			4		12			
34+282	34+300					2			
34+300	34+567	555	534	134				1	1
TOTALS		17425.0	9149.0	3995.0	198.0	14.0	11.3	3	3

SUMMARY TABLES

Station From	Station To	Snowplowable Raised Pavement Marker, Remove	Snowplowable Raised Pavement Marker 2-Way White/Red	Snowplowable Raised Pavement Marker 2-Way Yellow	Adjust Casting	Curb Ramp	Curb and Gutter, Remove	Curb and Gutter
		EACH	EACH	EACH	EACH	m ²	m	m
25+073	25+083							
25+083	25+186			4				
25+186	25+371			15				
25+371	25+380			4				
25+380	25+389							
25+389	25+435		2	2				
25+435	25+518			3				
25+518	25+800			12				
25+800	26+095			12				
26+095	28+022			80				
28+022	28+028							
28+028	28+446			17				
28+446	28+454							
28+454	28+550			4				
28+550	28+920			15				
28+920	28+950			1				
28+950	29+290			14				
29+290	29+308			1				
29+308	29+476			7				
29+476	29+537			3				
29+537	29+606			3				
29+606	29+622			1				
29+622	29+709			4				
29+709	29+717							
29+717	29+722							
29+722	29+725							
29+725	29+925			6				
29+925	30+008			3				
30+008	30+125			5	2		174.9	174.9

SUMMARY TABLES

Station From	Station To	Snowplowable Raised Pavement Marker, Remove	Snowplowable Raised Pavement Marker 2-Way White/Red	Snowplowable Raised Pavement Marker 2-Way Yellow	Adjust Casting	Curb Ramp	Curb and Gutter, Remove	Curb and Gutter
		EACH	EACH	EACH	EACH	m ²	m	m
30+125	30+225			4	3		126.9	126.9
30+225	30+925			29	11	640	936.0	936.0
30+925	30+938			1				
30+938	31+067			5				
31+067	31+085			1				
31+085	31+234			6				
31+234	31+251			1				
31+251	31+390			6				
31+390	31+407			1				
31+407	32+007			25				
32+007	32+054			2				
32+054	32+064							
32+064	32+250			8				
32+250	32+564			13				
32+564	32+575							
32+575	32+580							
32+580	32+586							
32+586	33+400			34				
33+400	33+650			10				
33+650	34+256		6	26				
34+256	34+263							
34+263	34+282			1				
34+282	34+300			1				
34+300	34+567		1	11				
TOTALS		178	9	404	16	640.0	1237.8	1237.8

SUMMARY TABLES

Resurfacing Line "A"		
Area = 92,215 m ²		
75 kg/m ²	QC/QA HMA Surface 9.5mm (Mg)	6916.1
105 kg/m ²	QC/QA HMA Intermediate 19.0mm (Mg)	9682.6
75 kg/m ²	HMA Wedge and Level (Mg)	6916.1

Full Depth Patching						
Approximate Station	Lane Location	m	x	m	Area (m ²)	Base (Mg)
25+400	EBL	2		10	20	12
25+515	WBL	4		1	4	2.4
26+091	WBL	6		5	30	18
26+625	EBL	0.5		0.5	0.25	0.15
26+900	EBL	1		1	1	0.6
27+800	EBL	1		2	2	1.2
33+460	WBL	0.5		0.5	0.25	0.15
33+660	EBL	2		25	50	30
33+850	EBL	1.5		50	75	45
Total					109.5	

Full Depth Asphalt Patching Shoulders			
Station	Location	Area(m ²)	Base (Mg)
33+954	left	18.93	11.4
33+954	right	18.75	11.3
33+977	left	19.67	11.8
33+977	right	19.53	11.7
Total		46.1	

Joint Repairs		
From Station	To Station	# of Joint Repairs
25+083	30+000	50
30+000	31+500	50
31+500	32+600	60
33+000	33+800	25
Total		185
Special Treatment		175
Full Depth		10

Paving Exceptions at Bridge	
From Station	To Station
29+927	29+969
31+959	31+975
33+950	33+981

Joint repairs - HMA				
Special Trmnt.	HMA - milling (m ²)	Conc. Milling (m ²)		HMA for Patching
each	17.28	11.52		5.8
Total	3024	2016		1020.60
Full Depth	HMA - milling (m ²)	Conc. Removal	cubic meters	Mg
each	17.28	2.88		
Total	172.8	28.8	72.9	174.96

HMA For Patching Grand Total

1351.19

APPROACH TABLE

Public Road Approaches

Station	Name	A	B	C	Area (m ²)
25+385 Rt.	S.R. 18	28	9	10.8	135.8
26+090 Lt.	C.R. 800 E	20	12	8	183.5
Rt.		20	6	8	63.5
27+322 Lt.	abandoned	18	6	6.5	56.1
28+025 Rt.	Airport Rd.	16.5	5	6.5	58.0
28+448 Lt.	C.R. 950 W.	17.8	6	5.8	57.0
Rt.		17.8	6	5.8	58.2
28+932 Lt.	Public Road	33	10, 4	6	126.5
29+300 Lt.	C.R. 1000E	17.1	6	5	52.5
29+301 Rt.	C.R. 1000E	12	4	3.8	21.9
29+500 Rt.	C.R. 1310 S.	62	1,0	4.5	251.5
29+614 Lt.	C.R. 1020 E.	16.8	6	4.5	69.3
29+718 Lt.	C.R. 1025 E.	16.9	6	5	52.6
29+720 Rt.	C.R. 1025 E.	16.9	6	5	58.4
30+016 Lt.	Maple Street	18.4	6	7.8	41.3
30+020 Rt.	Maple Street	16.9	6	6.4	44.3
30+126 Lt.	Jefferson St.	24.6	6	12.6	343.0
Rt.		19.6	6	7.6	61.1
30+180 Lt.	Alley	9.8	3	3.8	15.3
Rt.		10.5	3	4.5	17.4
30+234 Lt.	Madison St.	24.5	6	12.5	90.5
Rt.		24.5	6	12.5	90.5
30+275 Lt.	Alley	10	3	4	15.9
Rt.		10	3	4	15.9
30+340 Lt.	Washington St.	21	4.5	12	62.7
Rt.		21	4.5	12	62.7
30+430 Lt.	Eward St.	20.5	4.5	11.5	60.4
30+518 Rt.	Ohio Street	20	6	8	63.5
30+772 Lt.	Xenia St.	15.8	4.5	6.8	39.3
30+775 Rt.	Public Alley	10	3	4	15.9
30+927 Lt.	Co. Line Rd.	22.5	5.1	12.5	93.2
30+927 Rt.	C.R. 1100 E.	21	5.1	11.5	100.6
31+076 Lt.	Second St.	18.4	6	6.5	59.2
Rt.		18.2	6	6	80.4
31+244 Rt.	Third St.	18.8	6	6.8	71.8
31+400 Lt.	Fourth St.	18	6	5.8	66.0
31+402 Rt.	C.R. 972 W.	22.8	12,6	5.1	77.1
32+031 Lt.	C.R. 165 W.	47	12,1	7	358.3
32+576 Lt.	C.R. 900 W.	22	6	10	100.4
Rt.		22	6	10	98.4
34+270 Rt.	S.R. 13	68	25,30	20	636.1
34+280 Lt.	Mier Road	45	18	8	278.6
				Total Area	4304.1

APPROACH TABLE

Commercial Drives

Station	Type of Drive	Width	Area (m ²)
30+000	commercial R	22	24.4
30+151	commercial L	28.6	31
30+395	commercial R	9	11.4
30+403	commercial R	9	11.4
30+514	commercial L	15.4	17.8
30+661	commercial R	29	31.4
30+796	commercial L	27	29.4
30+815	commercial L	10.5	12.9
30+835	commercial L	14	16.4
30+960	commercial L	27	29.4
		total	215.5

APPROACH TABLE

Aggregate Drives

Station	Type of Drive	Width (m)	Area (m ²)
25+112	private, agg R	5.9	8.3
25+130	private, agg R	5.9	8.3
25+520	private, agg R	10	12.4
25+555	private, agg L	15	17.4
25+602	private, agg L	18	20.4
25+678	private, agg L	11	13.4
25+690	private, agg L	6.2	8.6
25+736	private, agg L	12	14.4
25+860	private, agg R	11	13.4
25+922	private, agg R	13	15.4
26+164	private, agg R	10	12.4
26+195	private, agg L	12.7	15.1
26+725	private, agg R	10.2	12.6
26+737	private, agg R	10	12.4
26+800	field acc., agg.	11	13.4
27+121	private, agg L	8.5	10.9
27+124	private, agg R	13.4	15.8
27+171	private, agg R	11.5	13.9
27+537	private, agg R	12.5	14.9
27+548	private, agg R	12.5	14.9
27+800	private, agg L	11.5	13.9
27+847	private, agg R	10	12.4
27+852	private, agg L	10	12.4
27+862	private, agg R	13	15.4
28+200	private, agg R	15.5	17.9
28+495	private, agg L	64	66.4
28+850	private, agg L	10	12.4
29+212	private, agg R	18	20.4
29+350	private, agg L	10.7	13.1
29+350	private, agg R	10.7	13.1
29+375	private, agg R	10.5	12.9
30+074	private, agg L	9	11.4
30+074	private, agg R	9	11.4
30+100	private, agg R	9	11.4
30+471	private, agg R	9	11.4
30+502	private, agg R	9	11.4
30+678	private, agg R	13	15.4
30+825	private, agg R	13	15.4
30+854	private, agg R	15.5	17.9
30+941	private, agg R	9.4	11.8
30+960	private, agg R	11.1	13.5
30+980	private, agg L	9.1	11.5
31+012	private, agg L	8	10.4
31+046	private, agg R	10.1	12.5

Station	Type of Drive	Width	Area (m ²)
31+148	private, agg R	9	11.4
31+175	private, agg L	12.5	14.9
31+175	private, agg R	9.2	11.6
31+448	private, agg L	10.6	13
31+450	private, agg R	11	13.4
31+458	private, agg L	10.5	12.9
31+514	private, agg R	18	20.4
31+522	private, agg L	10.5	12.9
31+530	private, agg L	10.5	12.9
31+575	private, agg R	10.5	12.9
31+591	private, agg L	8	10.4
31+597	private, agg L	8	10.4
31+600	private, agg R	10.5	12.9
31+606	private, agg L	10.5	12.9
31+696	private, agg L	10.5	12.9
31+722	private, agg R	10.5	12.9
31+752	private, agg L	10.5	12.9
31+768	private, agg R	10.5	12.9
31+803	private, agg R	10.1	12.5
31+807	private, agg L	8.4	10.8
31+831	private, agg L	8	10.4
31+835	private, agg R	10.5	12.9
32+001	private, agg R	9.1	11.5
32+075	private, agg R	10.6	13
32+223	private, agg R	10.5	12.9
32+279	private, agg L	10.3	12.7
32+832	private, agg L	9.8	12.2
33+172	Field Acc.,agg L	10	12.4
33+280	private, agg L	10.3	12.7
33+317	private, agg L	8.5	10.9
33+360	private, agg L	10.2	12.6
33+478	private, agg L	11	13.4
33+496	private, agg R	7.5	9.9
33+545	private, agg L	8.8	11.2
33+548	private, agg R	8.2	10.6
		Total Area	1054.8

APPROACH TABLE

Asphalt Drives

station	Type of Drive	Width	Area (m ²)
30+650	private, asph. L	11	13.4
30+678	private, asph. L	10	12.4
30+971	private, asph. R	11.1	13.5
31+102	private, asph. R	10.6	13
31+676	private, asph. R	10.5	12.9
32+624	private, asph. L	10.7	13.1
32+703	private, asph. L	11	13.4
32+727	private, asph. L	11	13.4
33+336	private, asph. L	6	8.4
33+471	private, asph. R	11.5	13.9
33+600	private, asph. L	12	14.4
33+701	private, asph. L	17.8	20.2
33+838	private, asph. L	10.2	12.6
33+858	private, asph. L	12.1	14.5
		TOTAL	189.1

APPROACH TABLE

Concrete Drives

Station	Type of Drive	Width	Area (m ²)
30+380	private, conc., L	10.5	12.9
30+402	private, conc., L	12	14.4
30+555	private, conc., L	9	11.4
30+588	private, conc., L	7.5	9.9
30+593	private, conc., L	7.5	9.9
30+623	private, conc., L	10	12.4
30+623	private, conc., R	12	14.4
		TOTAL	85.3

APPROACH TABLE

Aggregate Drives with Mailbox Approach

Station	Type of Drive	Width	Area (m ²)
25+523	comb., mb/pri. Agg L	22	24.4
32+902	comb., mb/pri. Agg R	22	33.0
33+002	comb., mb/pri. Agg R	15.1	22.7
33+022	comb., mb/pri. Agg R	15.1	22.7
33+362	comb., mb/pri. Agg R	20	30.0
33+536	comb., mb/pri. Agg R	13	15.4
33+582	comb., mb/pri. Agg R	41.7	44.1
33+639	comb., mb/pri. Agg R	27	29.4
33+800	comb., mb/pri. Agg R	23.3	35.0
		TOTAL	256.6

APPROACH TABLE

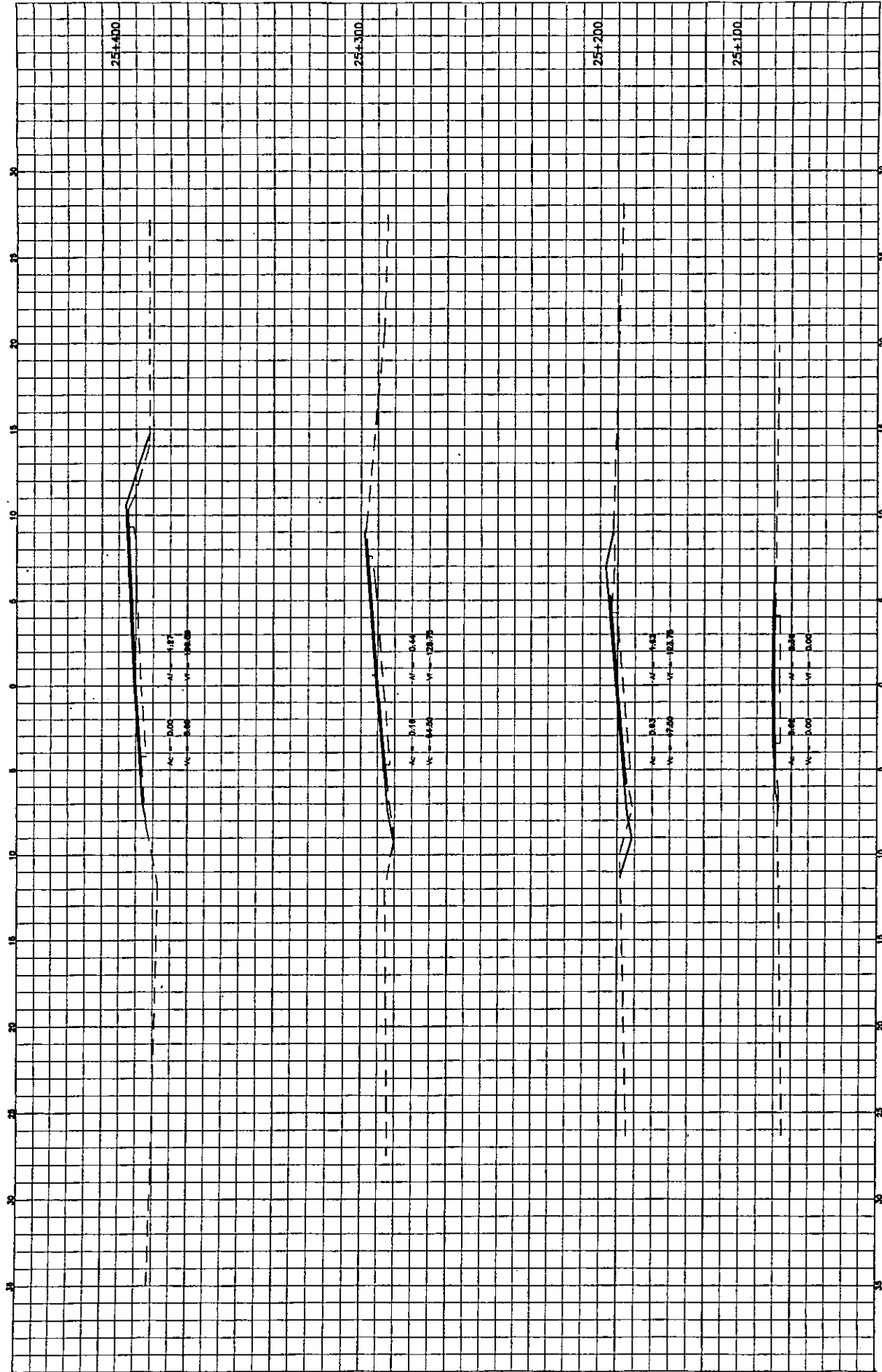
Mailbox Approaches

Station	Type of Drive	Width	Area (m ²)
25+128	mailbox approach	19	28.5
25+706	mailbox approach	16.6	24.9
25+929	mailbox approach	17.7	26.55
26+168	mailbox approach	16.7	25.05
26+727	mailbox approach	17	19.4
27+091	mailbox approach	20	30
27+177	mailbox approach	30	60
27+509	mailbox approach	22.5	33.75
27+835	mailbox approach	22	33
28+215	mailbox approach	13	19.5
31+241	mailbox approach	66	270.6
31+550	mailbox approach	21	30.15
31+825	mailbox approach	23	25.4
32+621	mailbox approach	17	34
32+702	mailbox approach	17	34
32+726	mailbox approach	12	18
32+824	mailbox approach	16	24
33+301	mailbox approach	17	25.5
33+706	mailbox approach	16	24
		total	786.3

SUMMARY TABLES

Guardrail, Remove
and Reset

From Station	To Station		Length
25+225	25+354	right	129
25+435	25+483	right	48
25+451	25+503	left	52
29+865	29+930	right	65
29+915	29+940	left	25
29+980	30+005	left	25
29+980	30+005	right	25
31+943	31+980	left	37
31+943	31+980	right	37
31+995	32+027	left	32
31+994	32+008	right	14
33+825	34+125	right	300
33+875	34+300	left	425
		TOTAL	1214

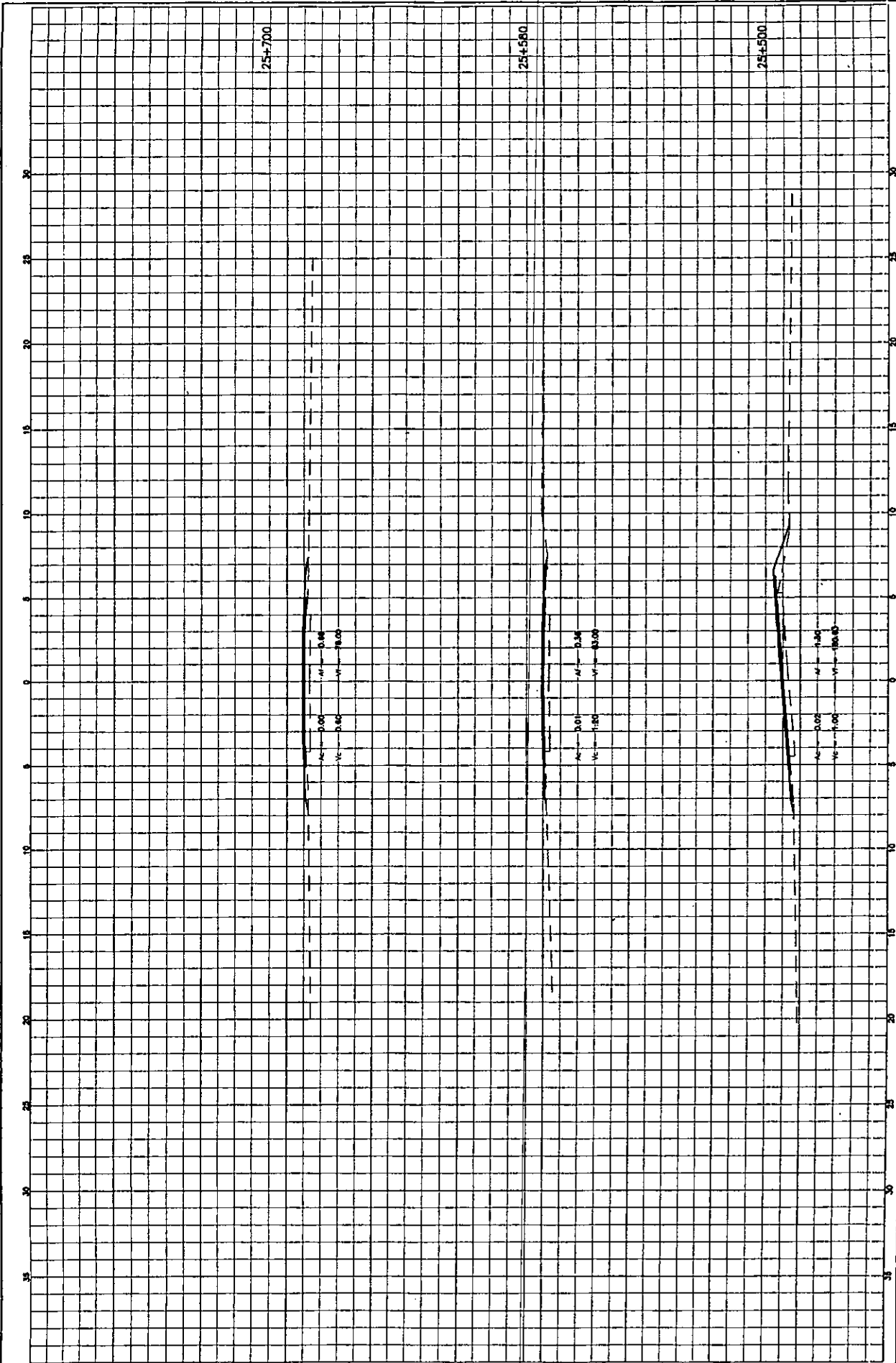


HORIZONTAL SCALE	1"=100'
VERTICAL SCALE	1"=10'
DESIGNATION	SECTION
DATE	11/11/00
PROJECT NO.	101
CONTRACT	101
PROJECT	101

INDIANA
 DEPARTMENT OF TRANSPORTATION
 CROSS SECTIONS

DESIGNED BY	SECTION
DRAWN BY	SECTION

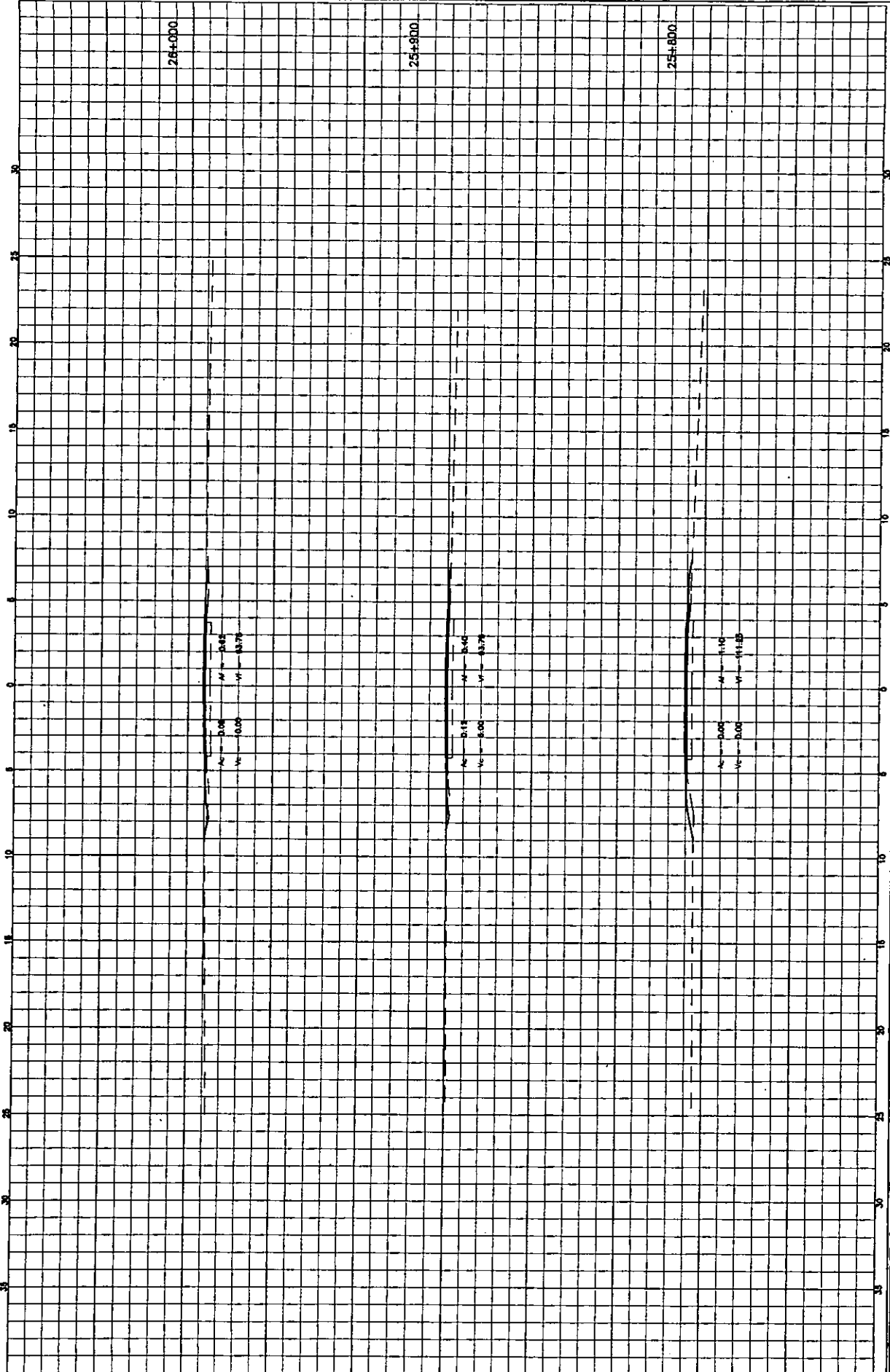
11 NOV 2000 04:34Z P:\R25\173\000R1\KARMAE1001



PROJECT	25+500
CONTRACT	25+500
ELECTRONIC	1:1
START/BEGIN	25+500
DATE	11/11/00
VERTICAL SCALE	1" = 10'
HORIZONTAL SCALE	1" = 40'
PROJECT FILE	

INDIANA
DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS

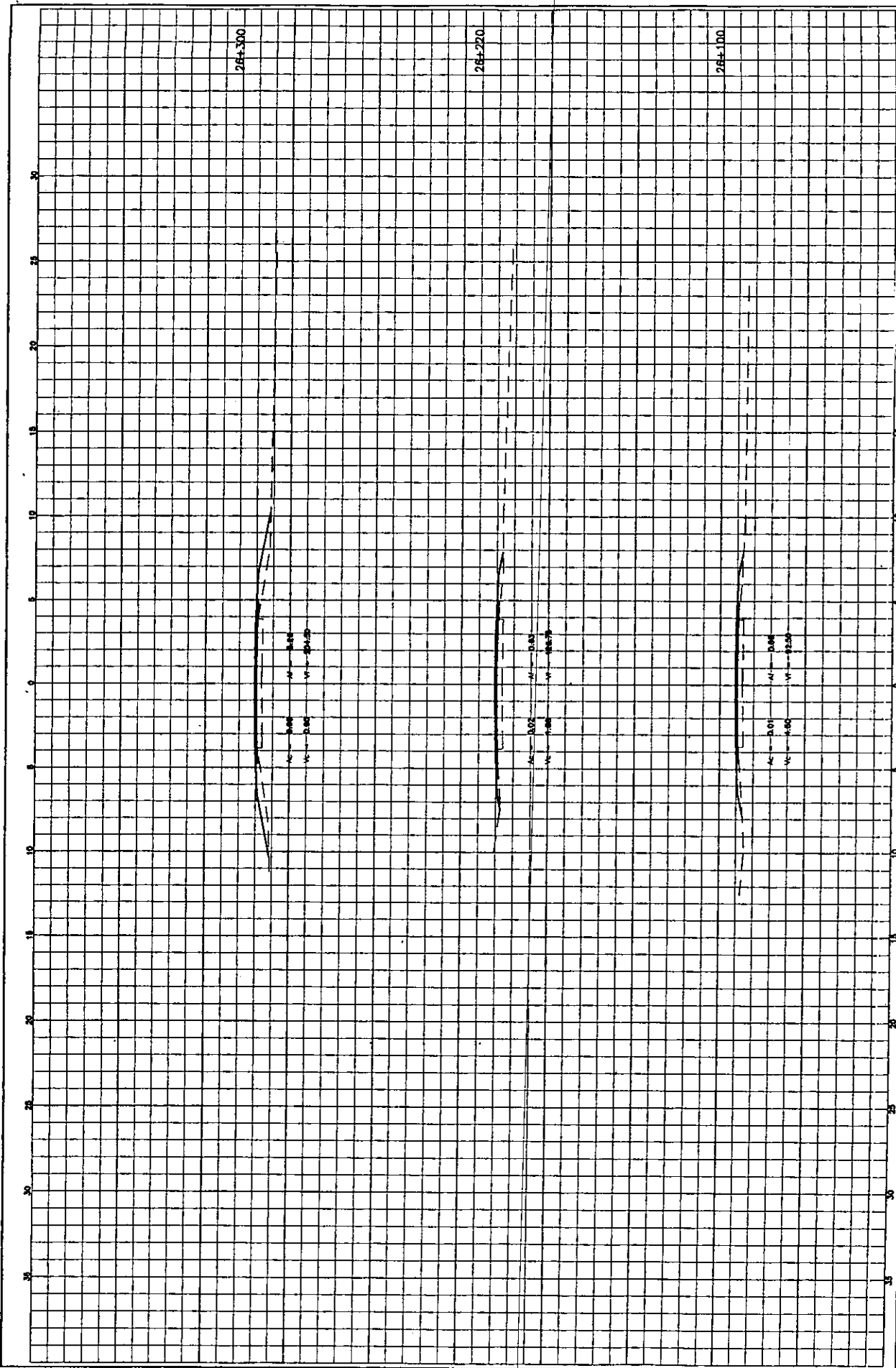
DESIGNED BY	
DRAWN BY	
CHECKED BY	
DATE	



PROJECT FILE	25417
VERTICAL SCALE	1"=10'
HORIZONTAL SCALE	1"=40'
SITE	INDIANAPOLIS
DATE	11/15/00
ELECTRONIC	NO
PROJECT	INDIANAPOLIS

INDIANA
DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS

DESIGNED BY	DR/PM
CHECKED BY	DR/PM

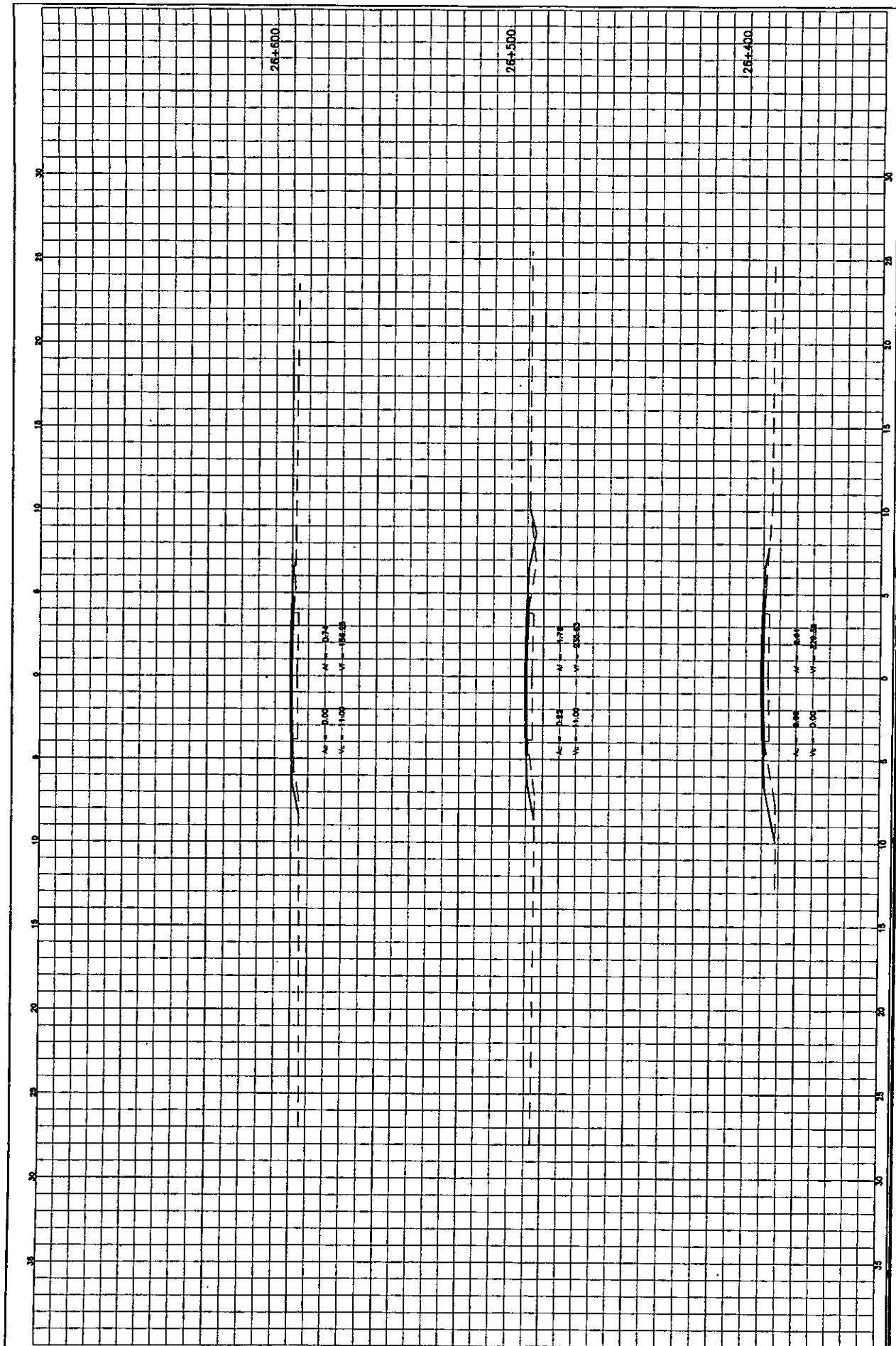


DESIGNER	BRIDGE FILE
DATE	REVISION
PROJECT	NO.
CONTRACT	SECTION
PROJECT	DATE
PROJECT	PROJECT

INDIANA
DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS

DESIGNED	CHECKED
DRAWN	CHECKED

DATE	BY
DATE	BY
DATE	BY



DESIGNED		DESIGNED BY	DATE
CHECKED		CHECKED BY	DATE
DRAWN		DRAWN BY	DATE
PROJECT		PROJECT NO.	PROJECT DATE
CONTRACT		CONTRACT NO.	CONTRACT DATE
ELECTRICAL		ELECTRICAL NO.	ELECTRICAL DATE
SURVEY		SURVEY NO.	SURVEY DATE
REGISTRATION		REGISTRATION NO.	REGISTRATION DATE
SHEET FILE		SHEET FILE NO.	SHEET FILE DATE

INDIANA
DEPARTMENT OF TRANSPORTATION

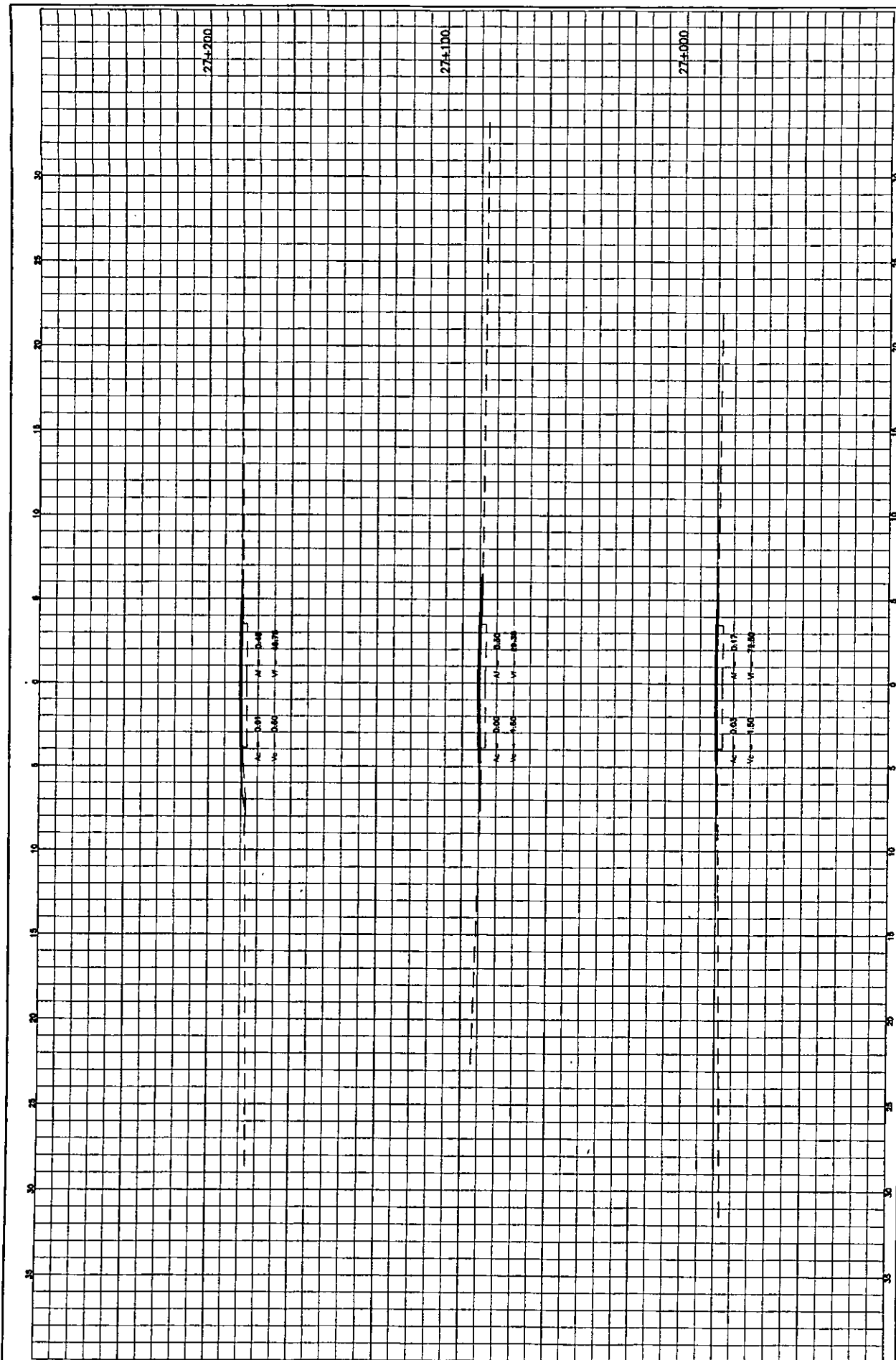
CROSS SECTIONS



HORIZONTAL SCALE	1" = 40'
VERTICAL SCALE	1" = 10'
DESIGNATION	SECTION
PROJECT	SECTION
DATE	SECTION
BY	SECTION
CHECKED	SECTION
DATE	SECTION

INDIANA
DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS

DESIGNED	SECTION
CHECKED	SECTION
DATE	SECTION



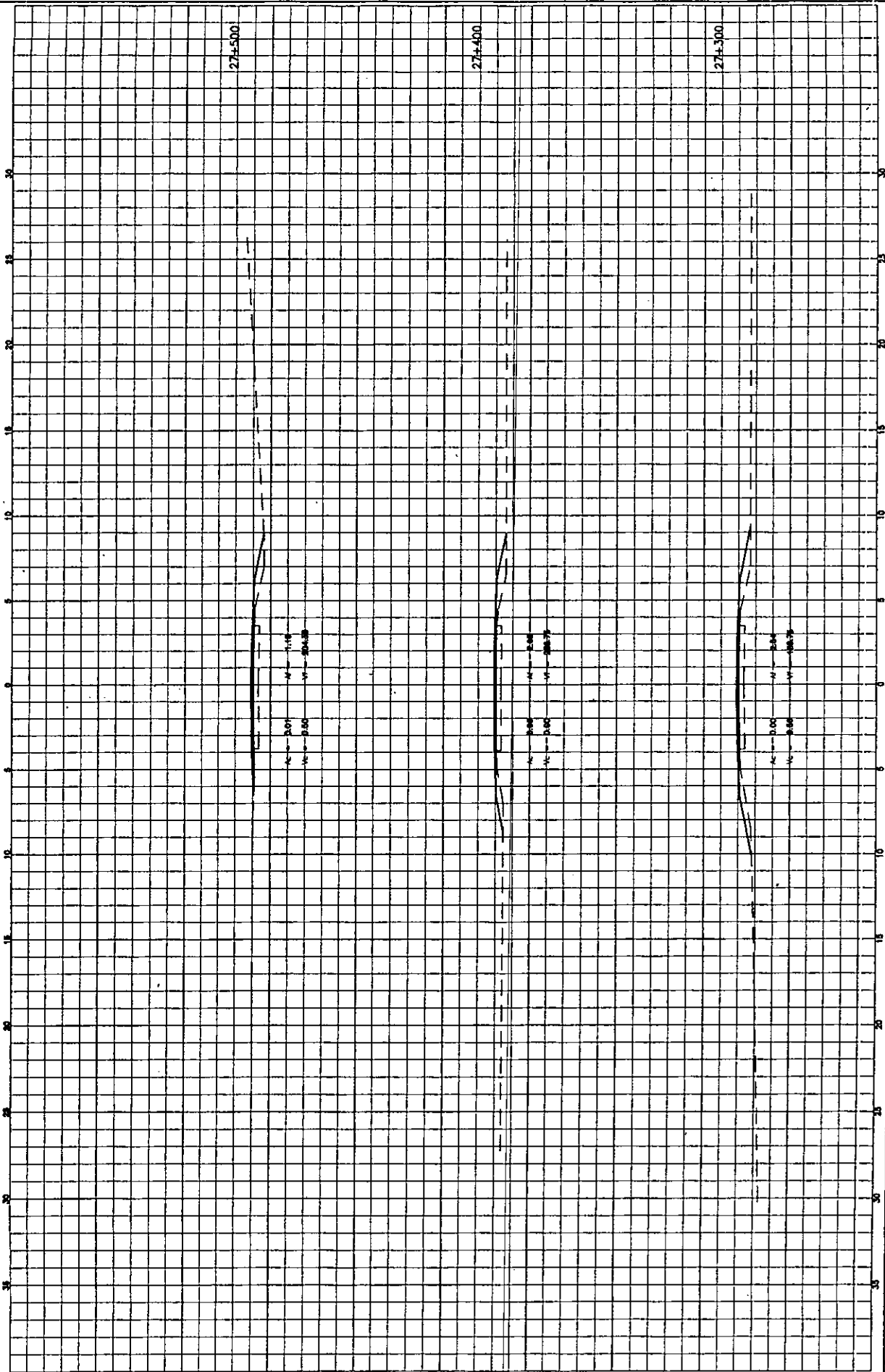
HORIZONTAL SCALE	VERTICAL SCALE	DESIGNATION
1" = 100'	1" = 10'	274-200
1" = 100'	1" = 10'	274-100
1" = 100'	1" = 10'	274-000
DATE	PROJECT	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

DESIGNED BY	CHECKED BY
DRAWN BY	CHECKED BY

11 NOV 2009 8:24:42 P:\475413\WOODR\WOODR\HARRIS\K429



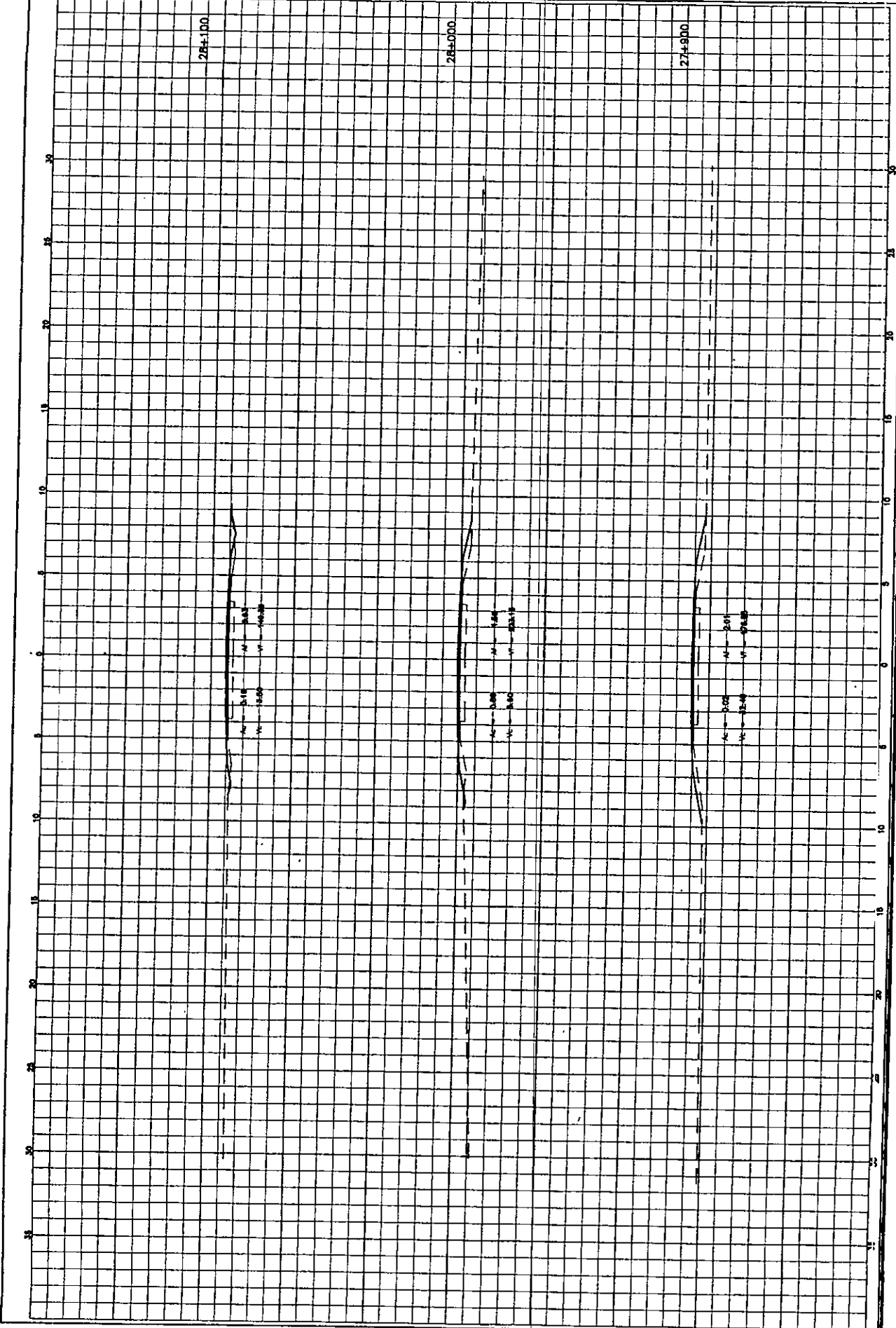
POSITIONAL SKILL TITLE	MATERIAL SCALE DATE	DESIGNATION NUMBER	DRAWN BY DATE	ELECTRONIC FILE	PROJECT NAME
INDIANA DEPARTMENT OF TRANSPORTATION					
CROSS SECTIONS					
APPROVED:		DRAWN:		CHECKED:	
_____		_____		_____	



HORIZONTAL SCALE	VERTICAL SCALE	DATE
1" = 40'	1" = 4'	11/13/00
DESIGNER	CHECKER	DATE

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS



HORIZONTAL SCALE	1" = 100'
VERTICAL SCALE	1" = 10'
DESIGNATION	SECTION
DATE	10/1/13
ELECTRONIC	NO
CONTRACT	107
PROJECT	107-107

INDIANA
DEPARTMENT OF TRANSPORTATION

DESIGNED	DATE
CHECKED	DATE

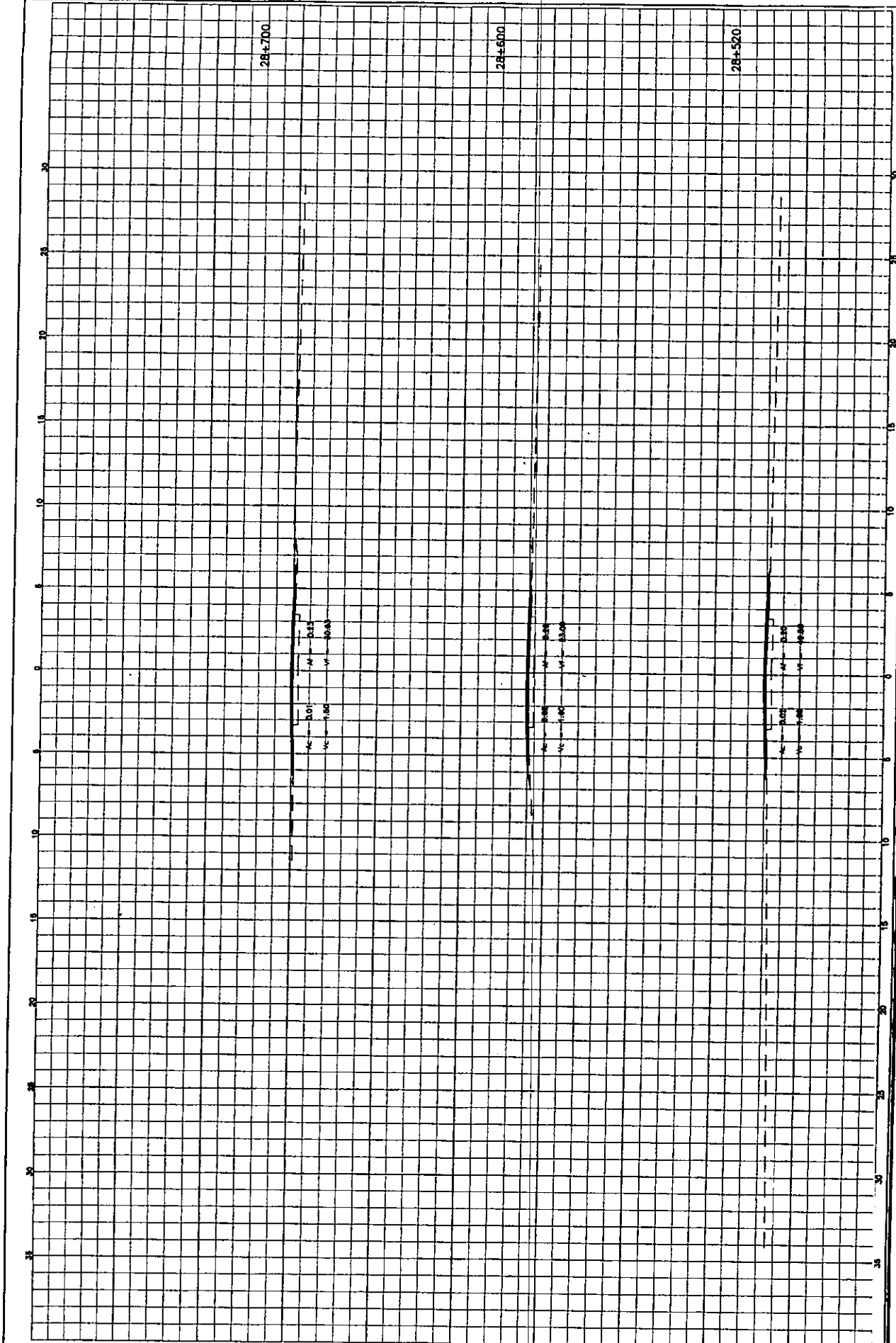
CROSS SECTIONS



BRIDGE FILE	
HORIZONTAL SCALE	VERTICAL SCALE
DATE	DESIGNATION
CONTRACT	PROJECT
NO. 1937	

INDIANA
DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS

DESIGNED	DRAWN
CHECKED	CHECKED

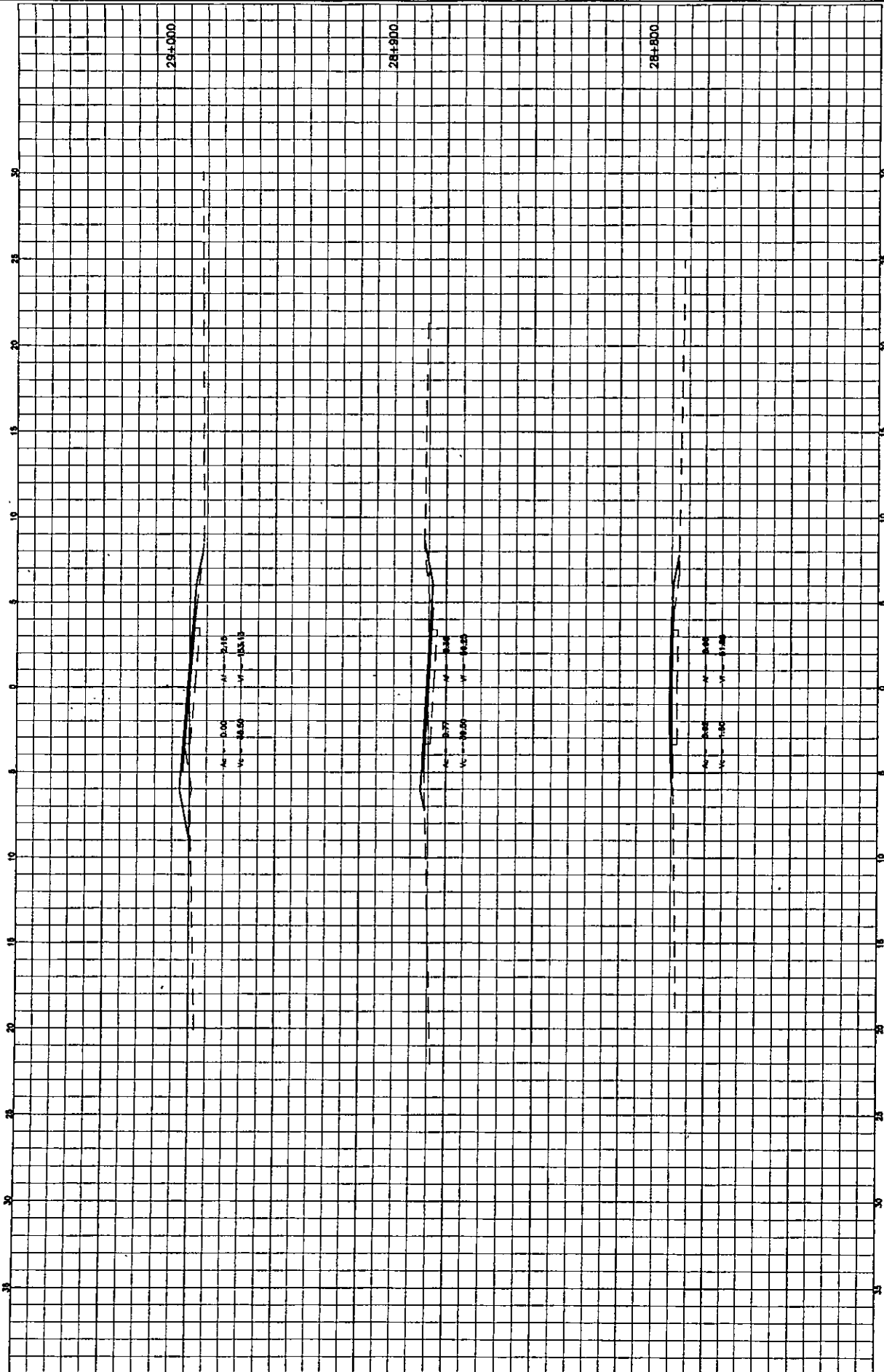


DESIGNER	BOSS P.C.
DATE	02/24/00
PROJECT	INDIANA DEPARTMENT OF TRANSPORTATION
CONTRACT	INDIANA DEPARTMENT OF TRANSPORTATION
SECTION	INDIANA DEPARTMENT OF TRANSPORTATION

INDIANA
DEPARTMENT OF TRANSPORTATION

DESIGNED	DATE
DRAWN	DATE
CHECKED	DATE

CROSS SECTIONS



29+000

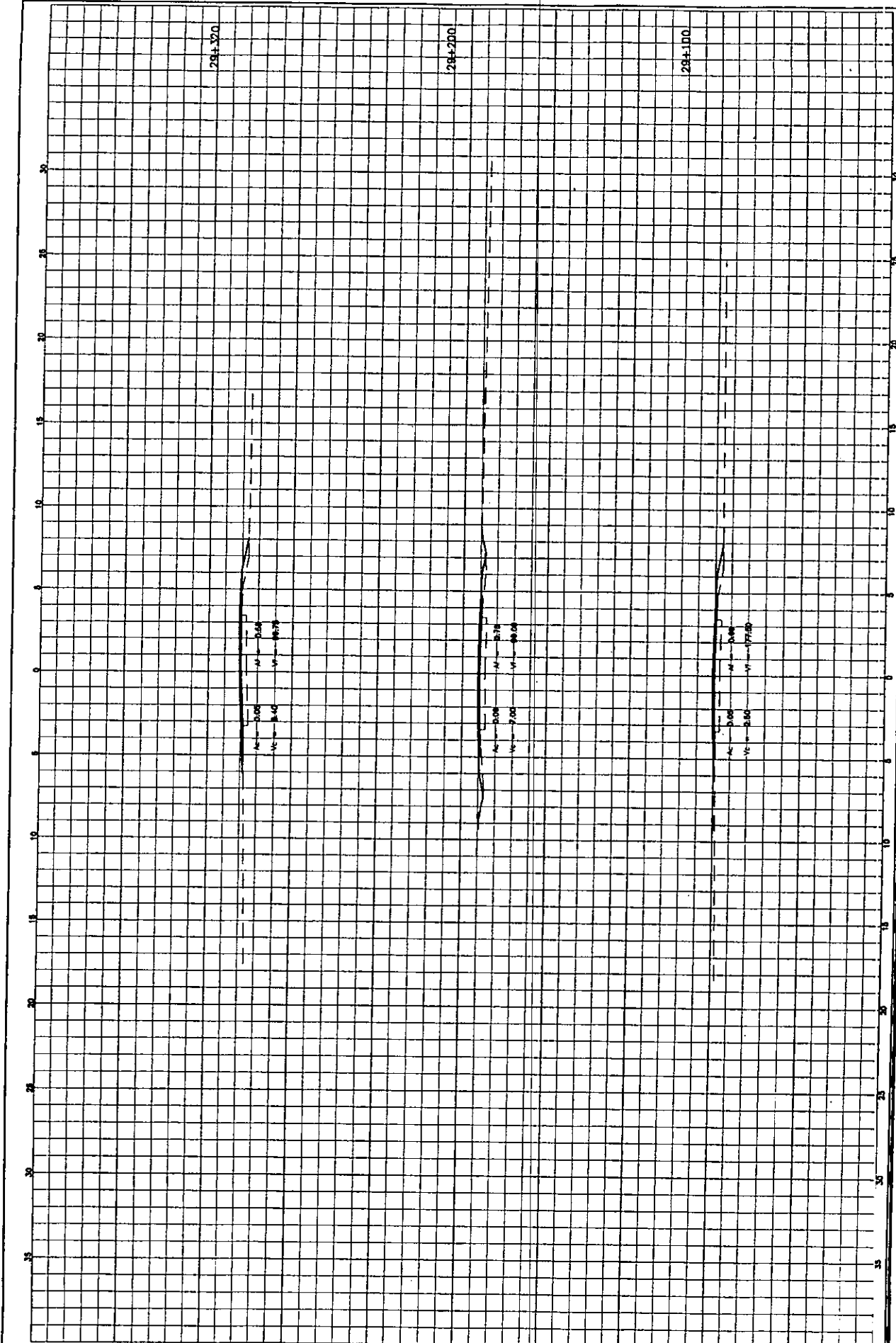
28+900

28+800

HORIZONTAL SCALE	VERTICAL SCALE	DATE	PROJECT FILE
1"=40'	1"=4'	11/15/00	INDIANA
DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT NO.

INDIANA
DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS

DESIGNED	DRAWN
BY	BY
DATE	DATE
CHECKED	CHECKED
BY	BY
DATE	DATE



POTENTIAL SCALE	PROJECT FILE
VERTICAL SCALE	REGISTRATION
HORIZ. SCALE	DATE
PROJECT NO.	CONTRACT
ELECTRICAL	TABLET
DATE	NO. 2-1987

INDIANA
DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS

DESIGNED	CHECKED
DRAWN	

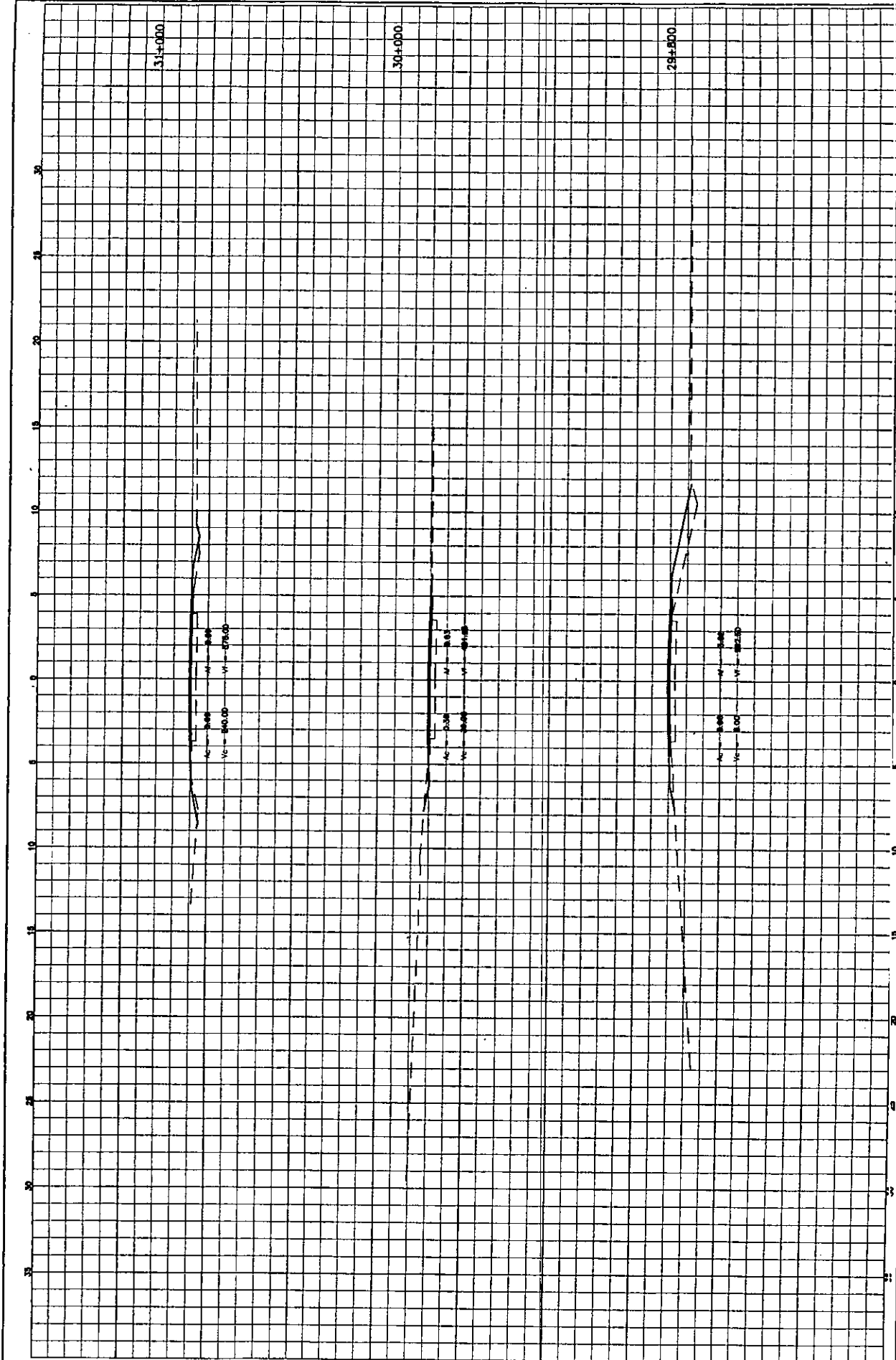


DATE FILE	
HORIZONTAL SCALE	
VERTICAL SCALE	
DESIGNATION	
DATE	
SURVEY FOOT	
ELECTRONIC	
BY	
PROJECT	

INDIANA
DEPARTMENT OF TRANSPORTATION

ESTIMATED	DRAWN
SECTION	SECTION

CROSS SECTIONS



INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE: _____ VERTICAL SCALE: _____	
DESIGNER: _____ CHECKER: _____		SURVEY METHOD: _____ ELECTRONIC: _____	
DRAWN: _____ CHECKED: _____		DESIGNATION: _____ SHEETS: _____ TOTAL SHEETS: _____	
CROSS SECTIONS		PROJECT: _____	

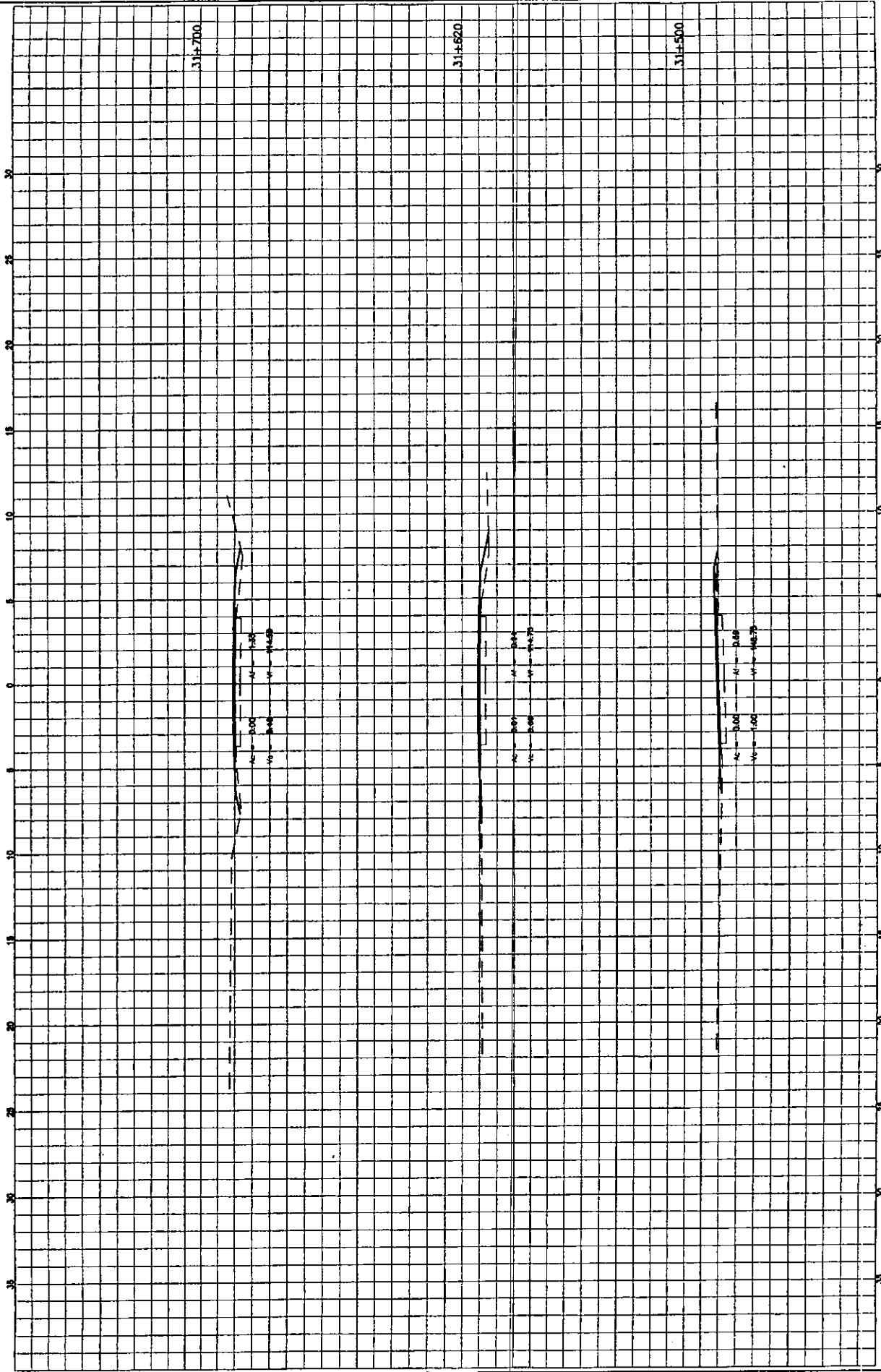
13 NOV 2000 08:34 P:\25-73\ROADS\INDIANA\ROAD



HORIZONTAL SCALE	1" = 40'
VERTICAL SCALE	1" = 10'
DATE	11/11/00
DRAWN BY	KENNETH R. RIDGWAY
CHECKED BY	
PROJECT	11-21007

INDIANA
DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS

DESIGNER	DATE
CHECKER	DATE



HORIZONTAL SCALE	1" = 100'
VERTICAL SCALE	1" = 10'
DESIGNATION	INDIANA
PROJECT	INDIANA
CONTRACT	INDIANA
PROJECT	INDIANA

INDIANA
DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS

DESIGNER	DATE
DRAWN	DATE
CHECKED	DATE

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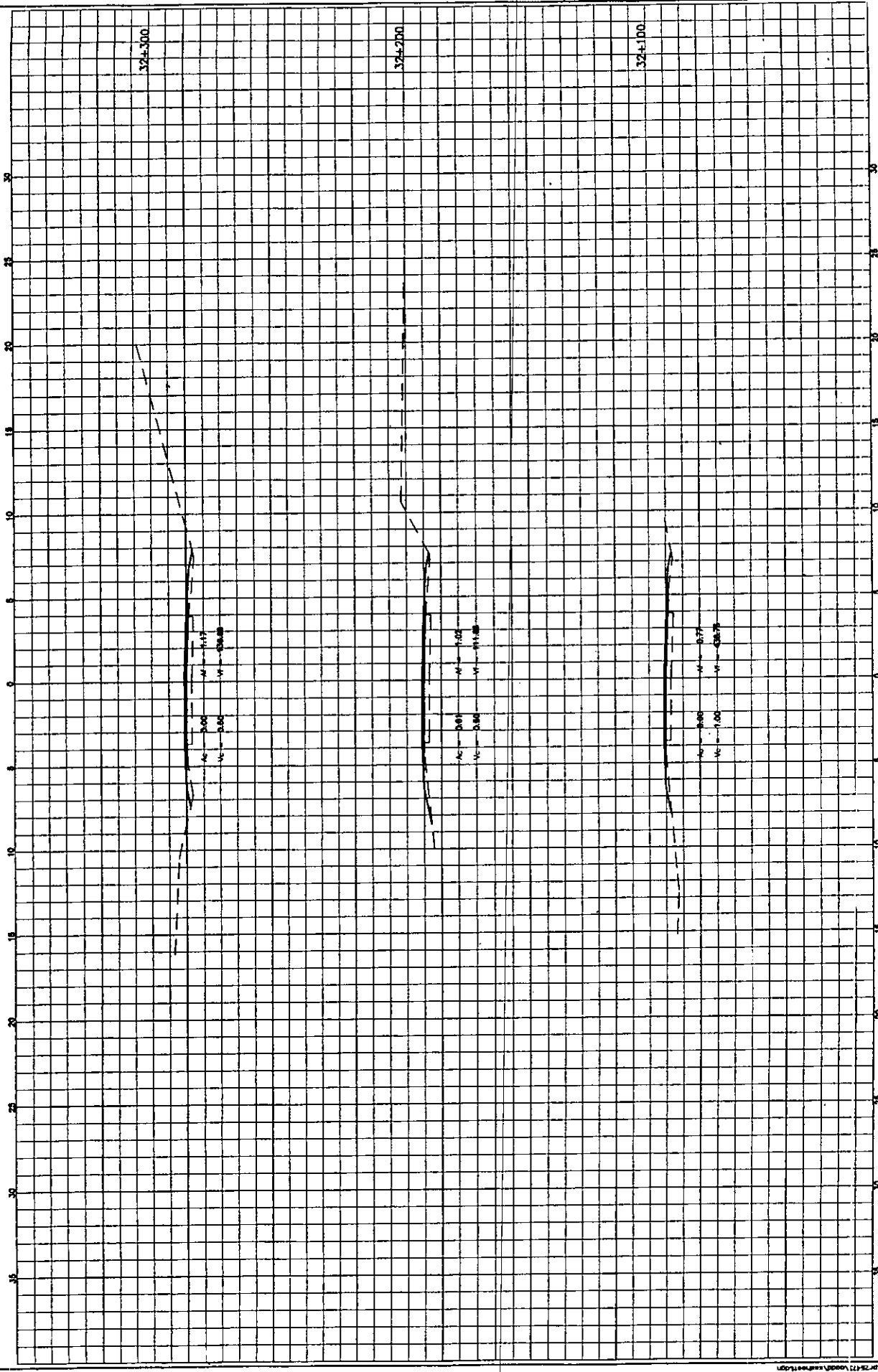


HORIZONTAL SCALE		VERTICAL SCALE	
DATE	NO.	NO.	NO.
DESIGNER	PROJECT BOOK	PROJECT BOOK	PROJECT BOOK
SECTION	ELEVATION	ELEVATION	ELEVATION
	DATE	DATE	DATE
	BY	BY	BY
	PROJECT	PROJECT	PROJECT

INDIANA
DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS

DESIGNER	SECTION
DATE	DATE
BY	BY

DATE	BY
DATE	BY
DATE	BY

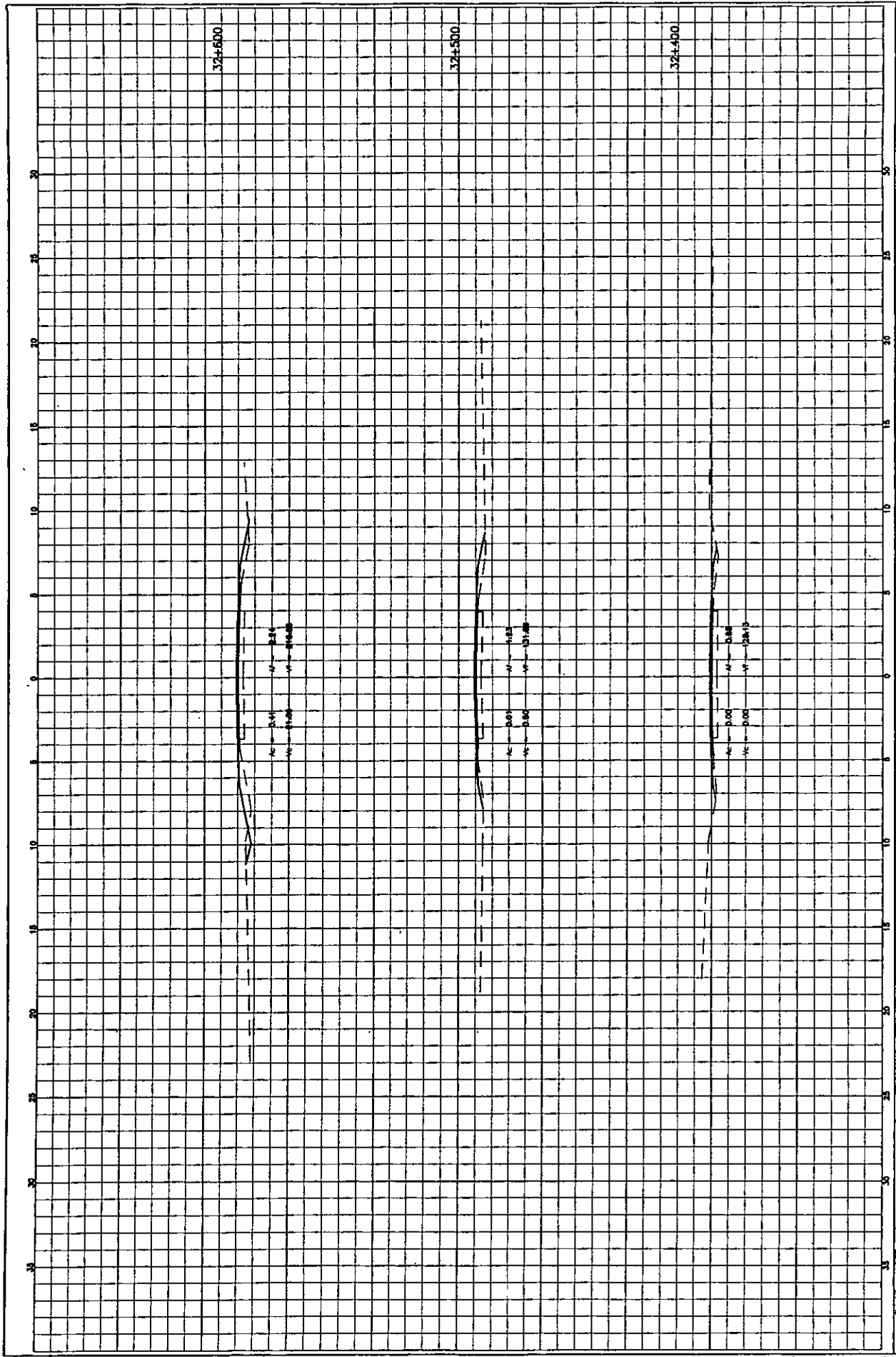


HORIZONTAL SCALE		BLOCK FILE	
DATE	NO.	DATE	NO.
VERTICAL SCALE	NO.	DESIGNATION	NO.
NO.	NO.	NO.	NO.
SURVEY BOOK	NO.	SHEET	NO.
ELECTRONIC	NO.	CONTRACT	NO.
PROJECT	NO.	PROJECT	NO.

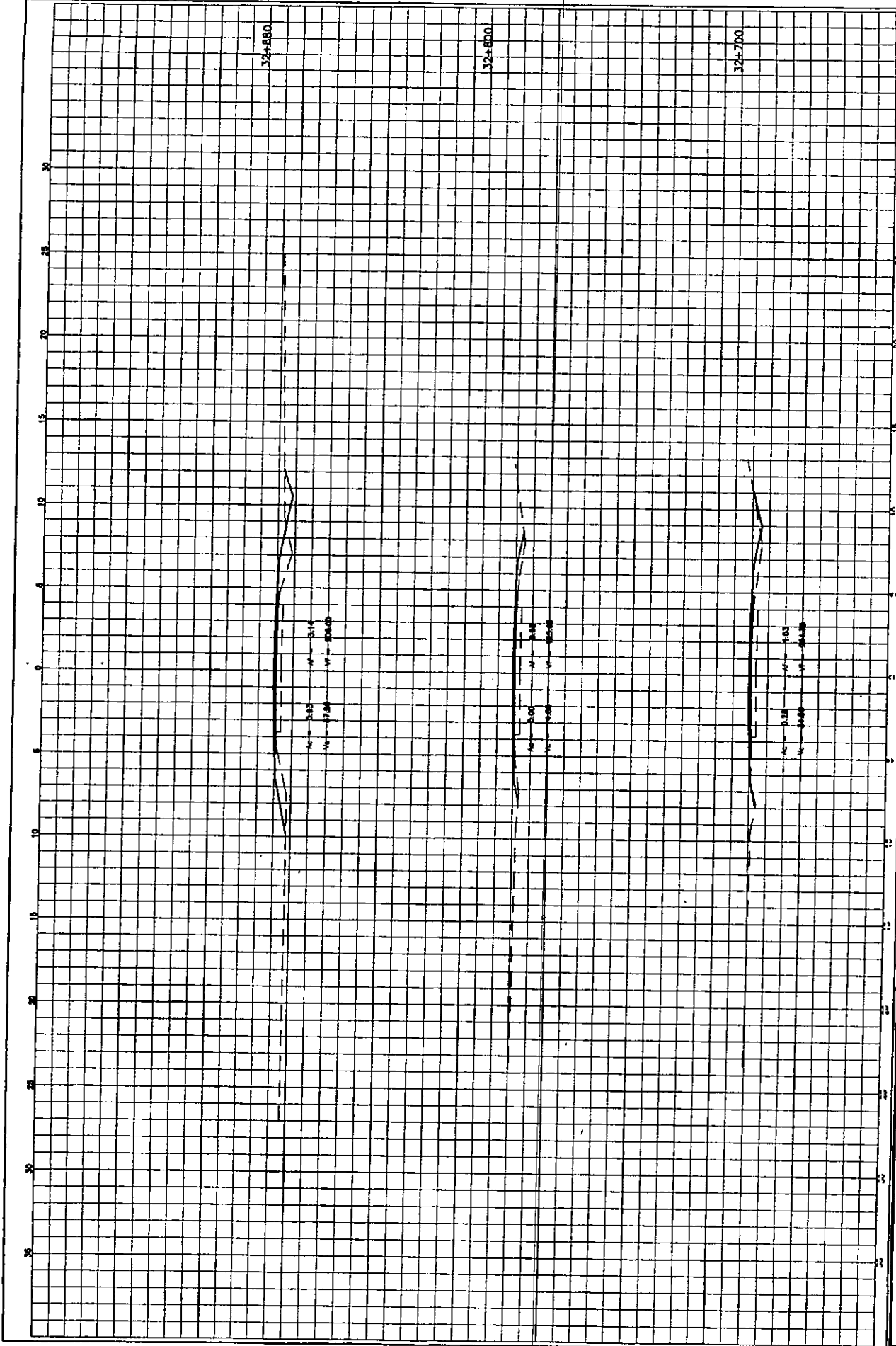
INDIANA
DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS

DESIGNED BY	CHECKED BY
DRAWN BY	DATE
PROJECT NO.	SECTION NO.

DATE	NO.
DESIGNATION	NO.
NO.	NO.
SHEET	NO.
CONTRACT	NO.
PROJECT	NO.



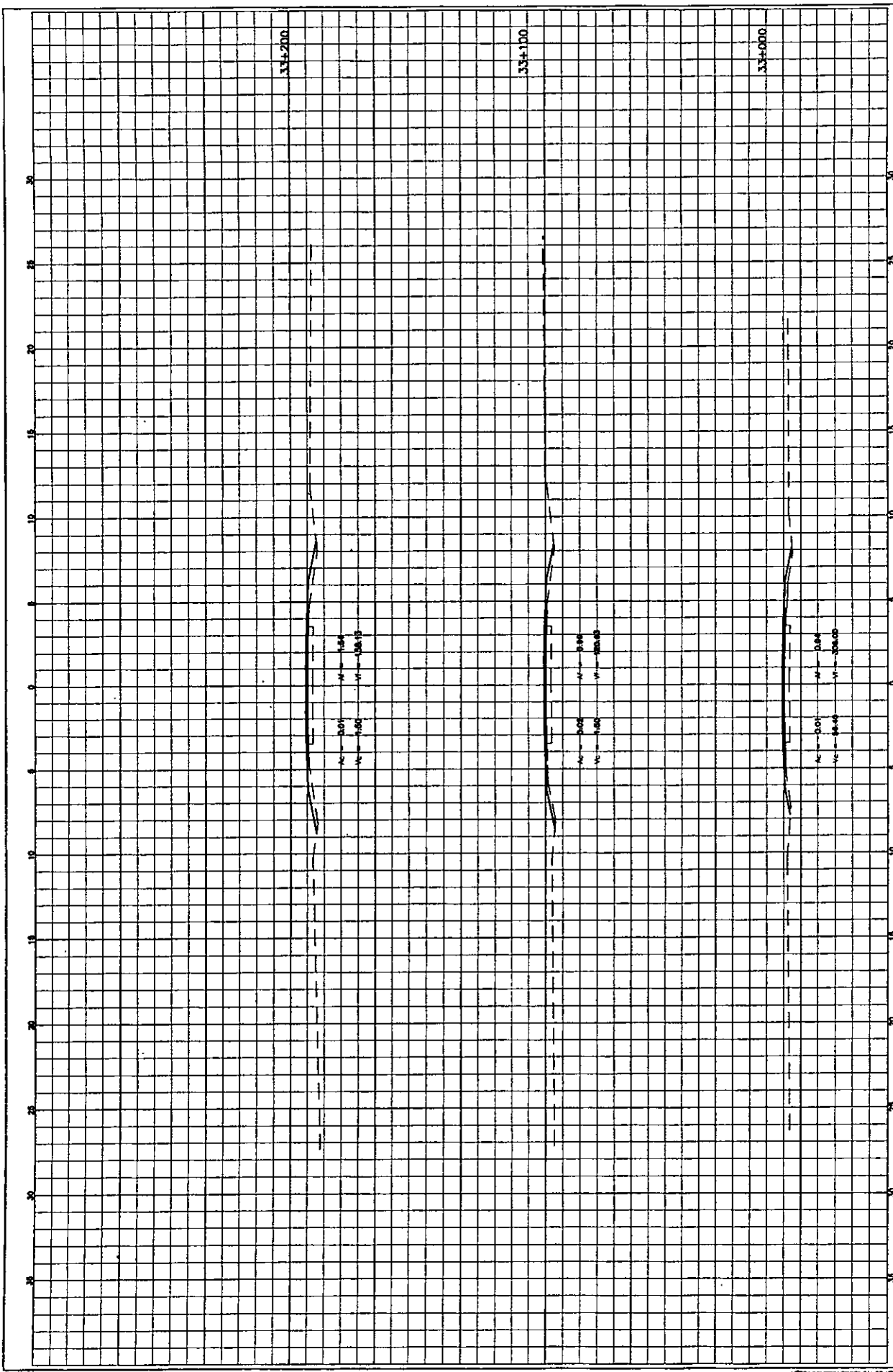
INDIANA DEPARTMENT OF TRANSPORTATION		SHEET FILE	
CROSS SECTIONS		DATE	REVISIONS
DESIGNED BY	DRAWN BY	DATE	REVISIONS
CHECKED BY	PROJECT	DATE	REVISIONS
INDIANA DEPARTMENT OF TRANSPORTATION		PROJECT	
CROSS SECTIONS		PROJECT	



PROJECT	32+700
CONTRACT	
ELECTRONIC	
DATE BOOK	
DESIGN NO.	
DESIGNATION	
SITE	
VERTICAL SCALE	
HORIZONTAL SCALE	
SHEET	
PROJECT	

INDIANA
DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS

DESIGNED:	
CHECKED:	
DATE	
SCALE	



33+200

33+100

33+000

Ac - 30.1
 W - 1.84
 Vc - 1.60
 W - 0.815

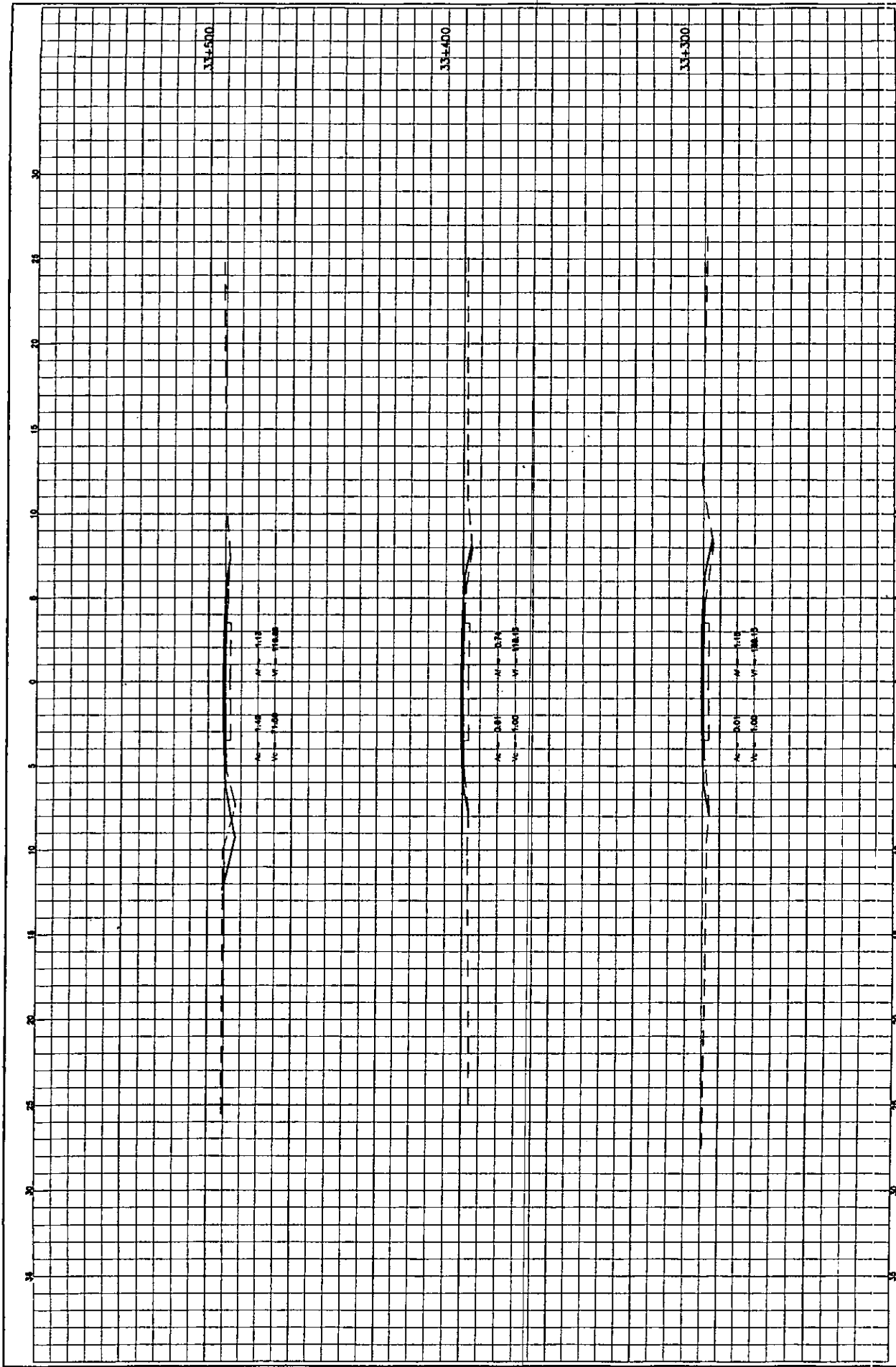
Ac - 30.6
 W - 1.84
 Vc - 1.60
 W - 0.815

Ac - 30.1
 W - 1.84
 Vc - 1.60
 W - 0.815

PERMANENT SCALE	BASE FILE
VERTICAL SCALE	DESCRIPTION
BY	APPROVED
DATE	DATE
ELECTRONIC	PROJECT
CONTRACT	
BY	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 CROSS SECTIONS

DESIGNED BY	CHECKED
DRAWN BY	
SECTION	



BRIDGE FILE	
DESIGNATION	
DATE	
PROJECT	
CONTRACT	
PROJECT	
DATE	

INDIANA
DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS

DESIGNED	
CHECKED	
DATE	
DRAWN	
DIRECTION	



33+680

34+620

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
DATE	PROJECT
SURVEY CODE	SHEET
CLASSIFICATION	TOTAL
PROJECT	PROJECT

INDIANA
DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS

DESIGNED	DRAWN
CHECKED	CHECKED