

CURRENT A.D.T. (1992) = 20271
 DESIGN YEAR A.D.T. (2012) = 30407
 D.H.V. (2012) = 3040
 D = 55%
 T = 12.52%
 DESIGN SPEED = 70 M.P.H.
 LEGAL SPEED = 55 M.P.H.
 FUNCTIONAL CLASSIFICATION = RURAL

STATE OF OHIO
 DEPARTMENT OF TRANSPORTATION

MAH-11-8.86/14.12

AUSTINTOWN TOWNSHIP
 MAHONING COUNTY

MAH-11-8.86/14.12
 STPG-78 (34)

19 93 SPECIFICATIONS

CONVENTIONAL SIGNS

County Line _____ Limited Access (only) _____ LA _____
 Township Line _____ Right of Way (only) _____ RW _____
 Section Line _____ Limited Access & Right of Way _____ LA & RW _____
 Corporation Line _____ Existing Right of Way _____
 Fence Line (existing) -x-x- (proposed) -x-x- Property Line _____ (in existing fence) -x-x-
 Center Line _____ 352 _____ 353 _____ Railroad _____ or _____
 Trees, Stumps (to be removed) _____ Guardrail (existing) _____ or _____ (proposed) _____
 Utility Poles: Telephone _____, Power _____, Light _____

INDEX OF SHEETS

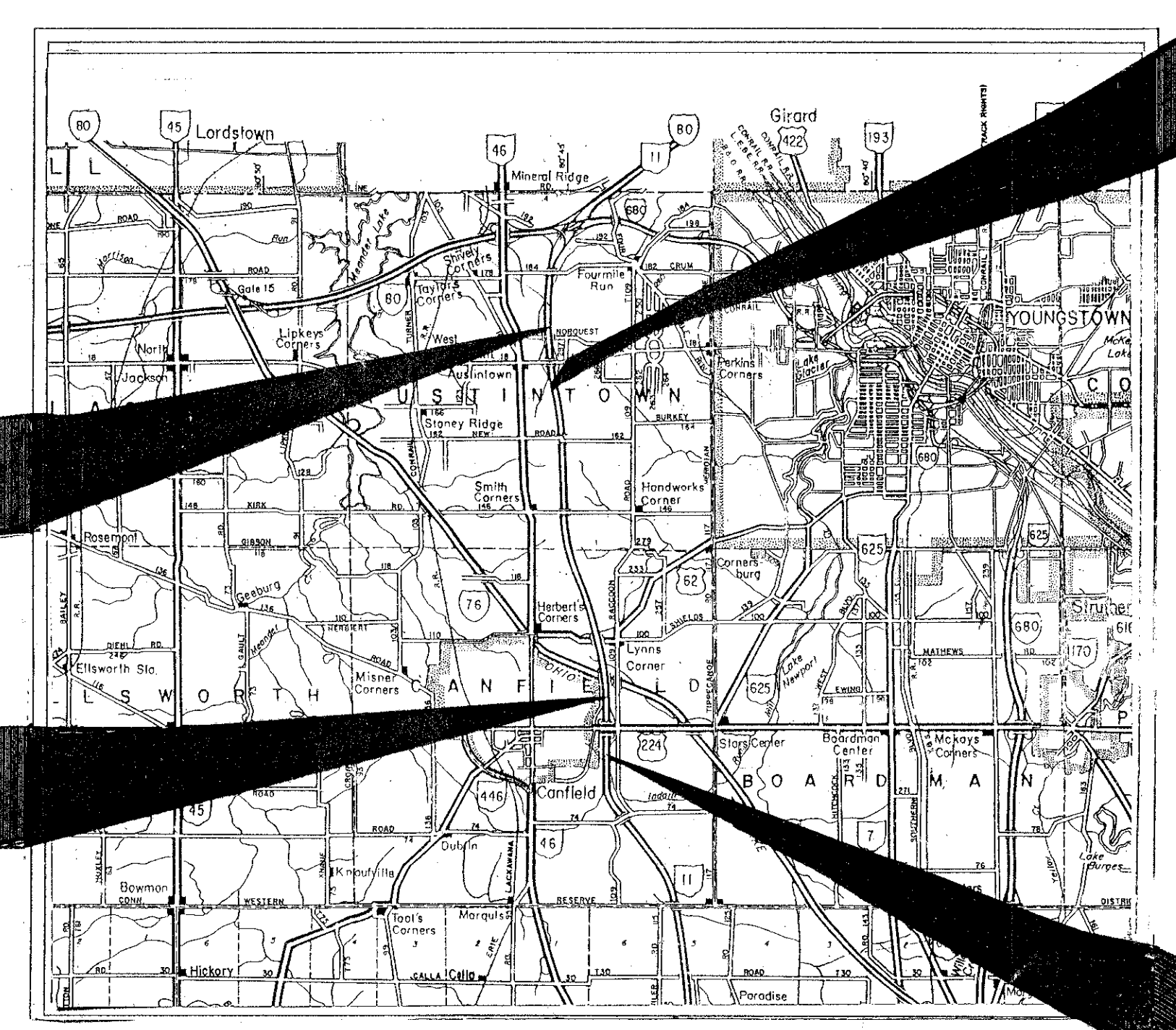
TITLE SHEET	1
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BEGIN WORK
 STA. 445+00

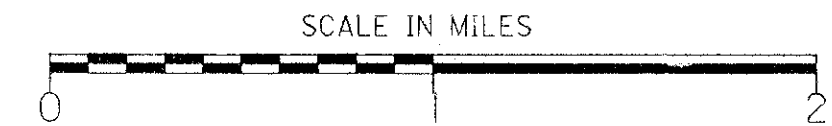
RESUME WORK
 STA. 720+00

SUSPEND WORK
 STA. 505+00

END WORK
 STA. 790+00



LOCATION MAP



UNDERGROUND UTILITIES
 TWO WORKING DAYS
 BEFORE YOU DIG
 Call... 800-362-2764 (Toll Free)
 OHIO UTILITIES PROTECTION SERVICE
 NON-MEMBERS
 MUST BE CALLED DIRECTLY

Portion to be improved _____
 State & Federal Routes _____
 Other Roads _____

SCALES

Plan _____
 Profile : _____ Horizontal _____, Vertical _____
 Cross Section : Horizontal _____, Vertical _____

SUPPLEMENTAL SPECIFICATIONS	

LINE DATA

BEGIN WORK - STA 445+00
 EQUATION - STA. 450+18.70 BACK = STA. 458+45.21 AHEAD
 SUSPEND WORK - STA. 505+00
 RESUME WORK - STA. 720+00
 END WORK - STA. 790+00
 TOTAL LENGTH OF WORK = 12,173.43 LIN. FT.
 = 2.306 MILES
 TOTAL LENGTH OF PROJECT = 0.000 LIN. FT.
 = 0.000 MILES

Plan Prepared By :

OHIO Department of Transportation
 District 4

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS					
HL-10.11	5-1-87	HL-60.11	5-1-87	MT-95.31	10-10-88
HL-10.12	5-1-87	HL-60.12	5-1-87	MT-95.32	8-25-89
HL-10.13	5-1-87	HL-60.21	5-1-87	MT-105.10	7-1-92
HL-10.31	5-1-87	HL-60.31	5-1-87	MT-105.11	7-1-92
HL-20.11	5-1-87	TC-31.21	9-1-92	F-1	11-10-83
HL-20.21	5-1-87	TC-32.10	9-1-92	F-2	5-1-76
HL-20.22	5-1-87	TC-32.11	9-1-92	F-6	5-1-76
HL-20.23	5-1-87	TC-35.10	8-29-84	F-5	5-1-76
HL-30.11	5-1-87	TC-41.10	8-29-84		
HL-30.21	5-1-87	TC-41.20	3-26-79		
HL-30.22	5-1-87	TC-52.10	4-3-79		
HL-40.10	5-1-87	TC-52.20	4-3-79		
HL-50.11	5-1-87	MT-95.30	10-10-88		

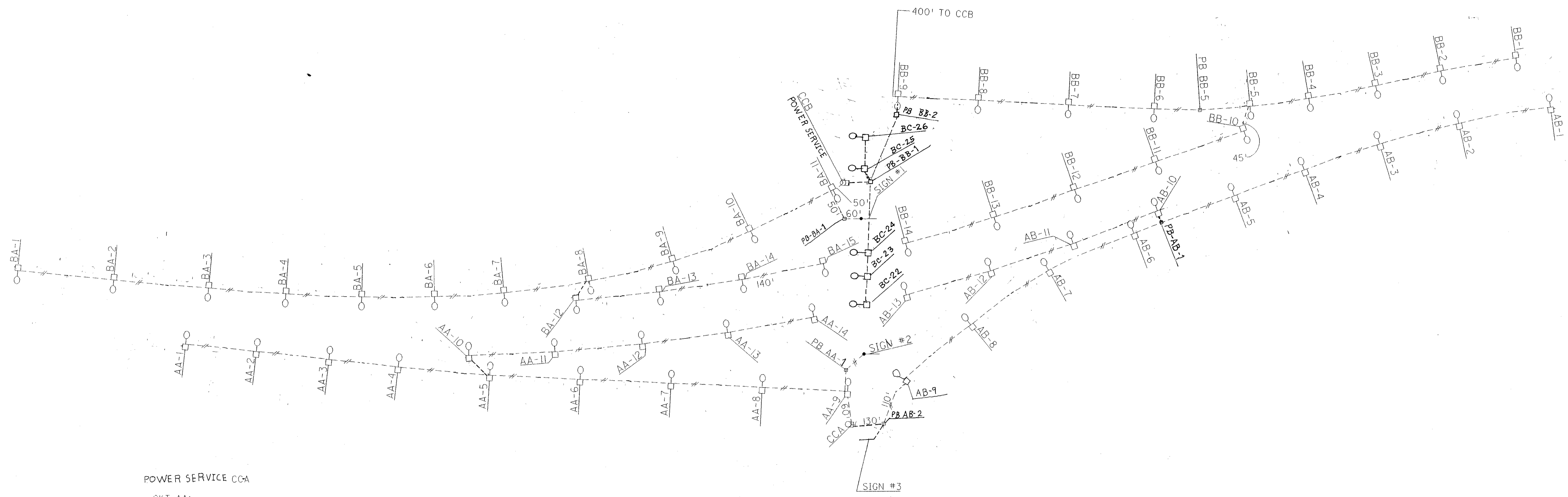
Approved: David R. Dreger JNA
 Date 8-27-93 District Deputy Director
 of Transportation

Approved: Christopher L. Ruman
 Date 11-15-93 Deputy Director, Design

Approved: Jerry LeMay
 Date 11-15-93 Director, Department of
 Transportation

DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 APPROVED: _____
 DIVISION ADMINISTRATOR DATE _____

MAH-II-8.86



POWER SERVICE CCA

CKT AA:
 14 - 310 WATT LUMINAIRE @ .8 = 11.2 AMPS
 1 - 175 WATT MERCURY VAPOR LUMINAIRE @ 0.46 = 0.46 AMPS

CKT AB:
 13 - 310 WATT LUMINAIRE @ .8 = 10.4 AMPS
 1 - 175 WATT MERCURY VAPOR LUMINAIRE @ 0.46 = 0.46 AMPS

TOTAL LOAD ON CONTROL CENTER = 22.52 AMPS
 = 10.80 KVA

POWER SERVICE CCB

CKT BA:
 15 - 310 WATT LUMINAIRE @ .8 = 12.00 AMPS
 1 - 175 WATT MERCURY VAPOR LUMINAIRE @ 0.46 = 0.46 AMPS

CKT BC:
 6 - 200 WATT LUMINAIRE @ .53 = 3.18 AMPS

CKT BB:
 14 - 310 WATT LUMINAIRE @ .8 = 11.2 AMPS

TOTAL LOAD ON CONTROL CENTER = 26.84 AMPS
 = 12.88 KVA

POWER SERVICE DATA

POWER SERVICE	MAINTAINING AGENCY	SERVICE VOLTAGE	CONNECTED LOAD	SERVICE ENTRANCE CONDUCTOR	ENCLOSURE RATING	CIRCUIT NUMBER	CIRCUIT LOAD	CIRCUIT FUSE SIZE
CCA	ODOT	480, 2W	10.80 KVA	2 - #4	60 AMP	AA	11.66 AMP	30 AMP
						AB	10.86 AMP	30 AMP
CCB	ODOT	480, 2W	12.88 KVA	2 - #4	60 AMP	BA	12.46 AMP	30 AMP
						BB	11.20 AMP	30 AMP
						BC	3.18 AMP	30 AMP

SR II AND CR 18 INTERCHANGE
 CIRCUIT SUMMARY

FOR CIRCUIT DIAGM LEGEND SEE SHEET NO. 19.

REVISED 3-14-94

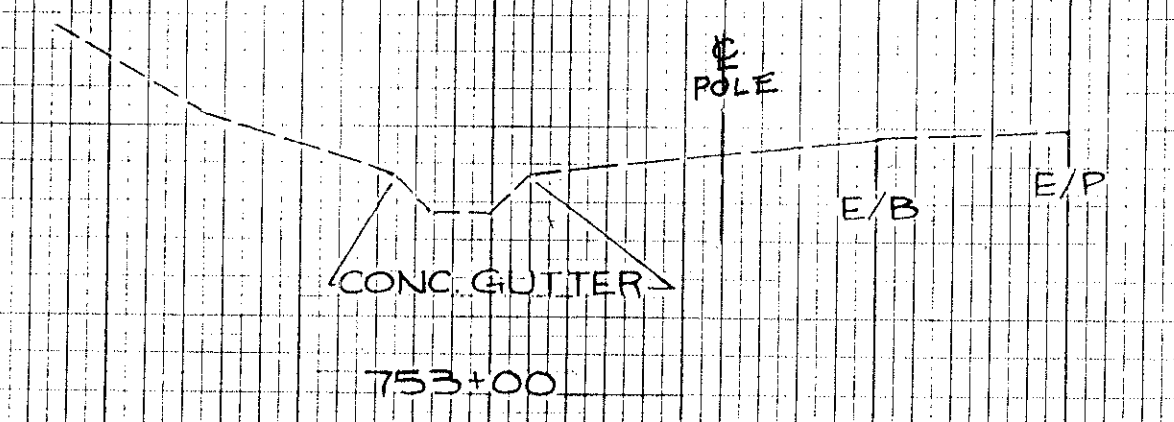
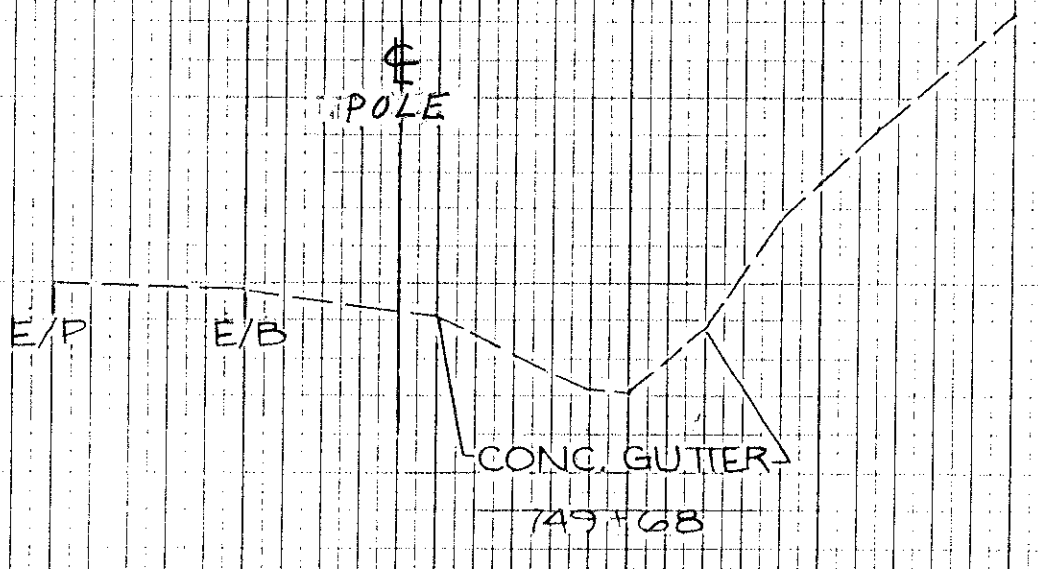
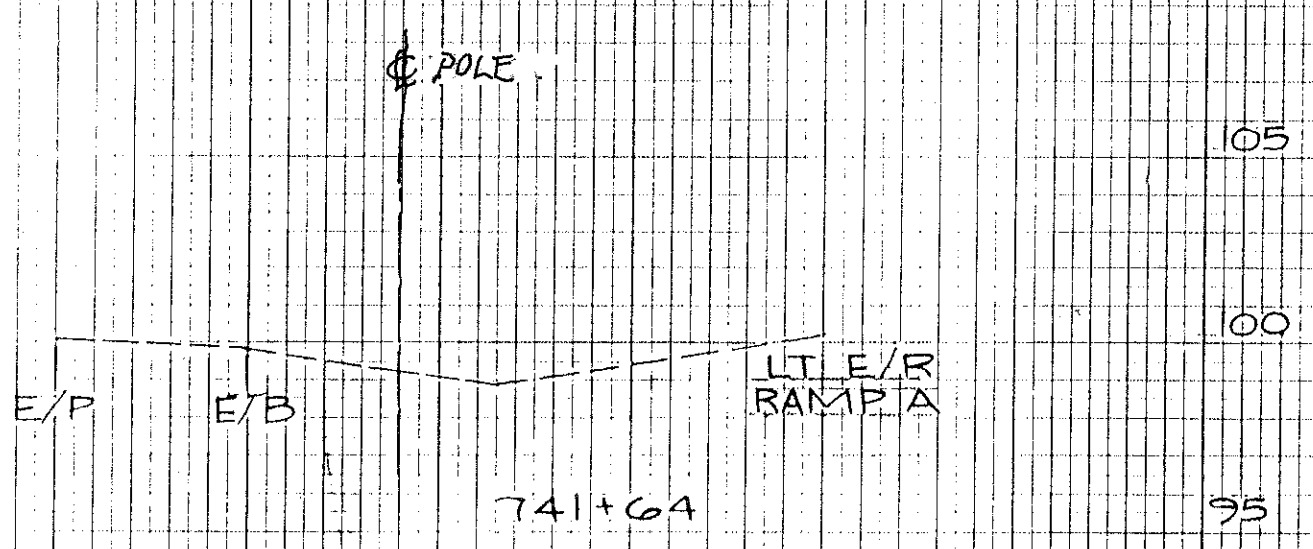
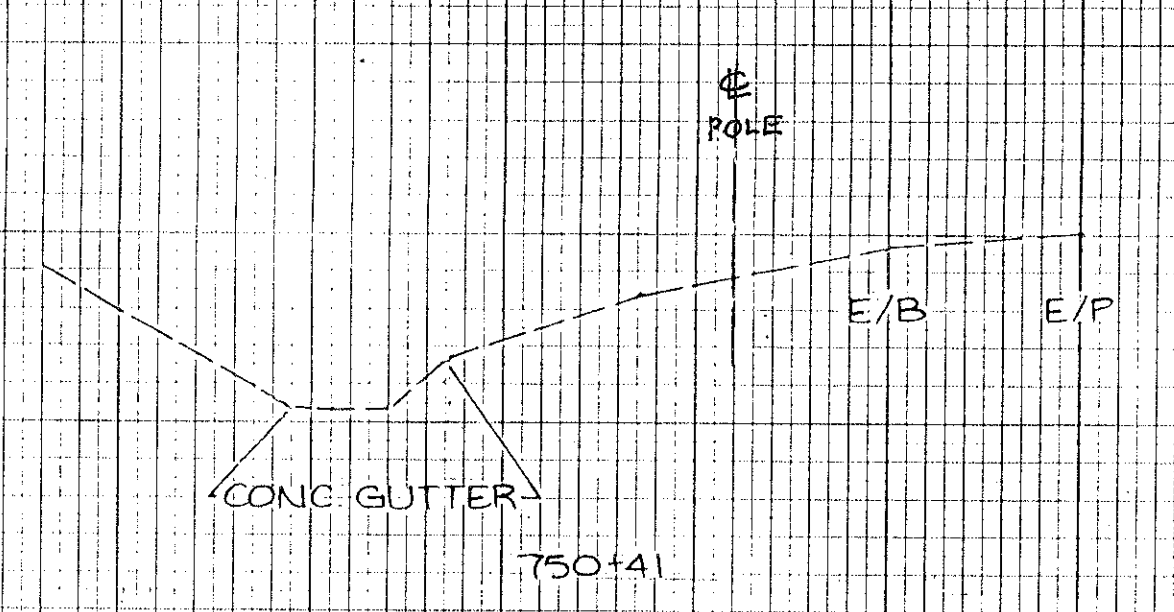
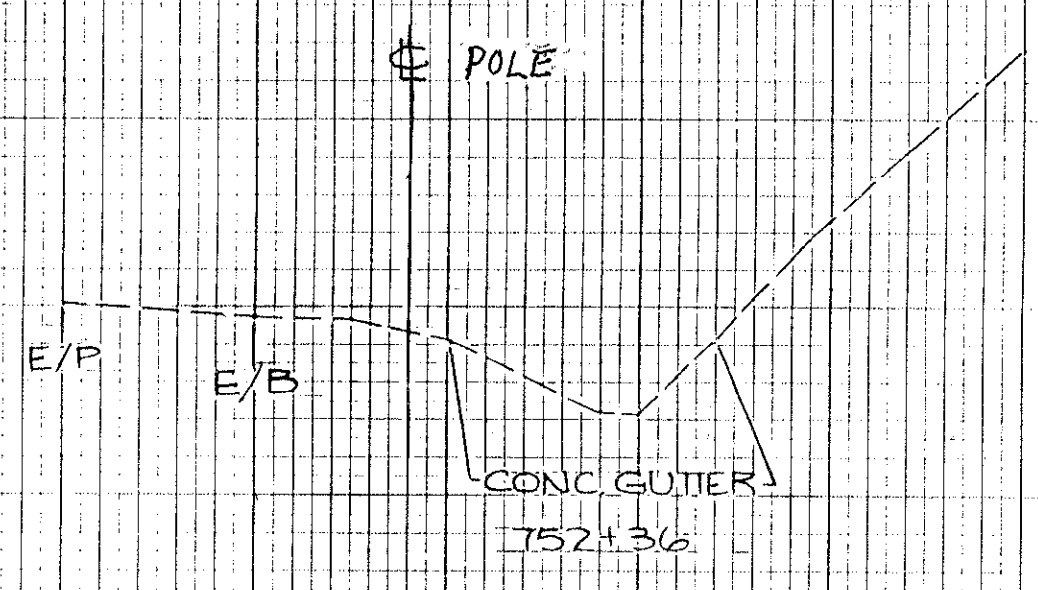
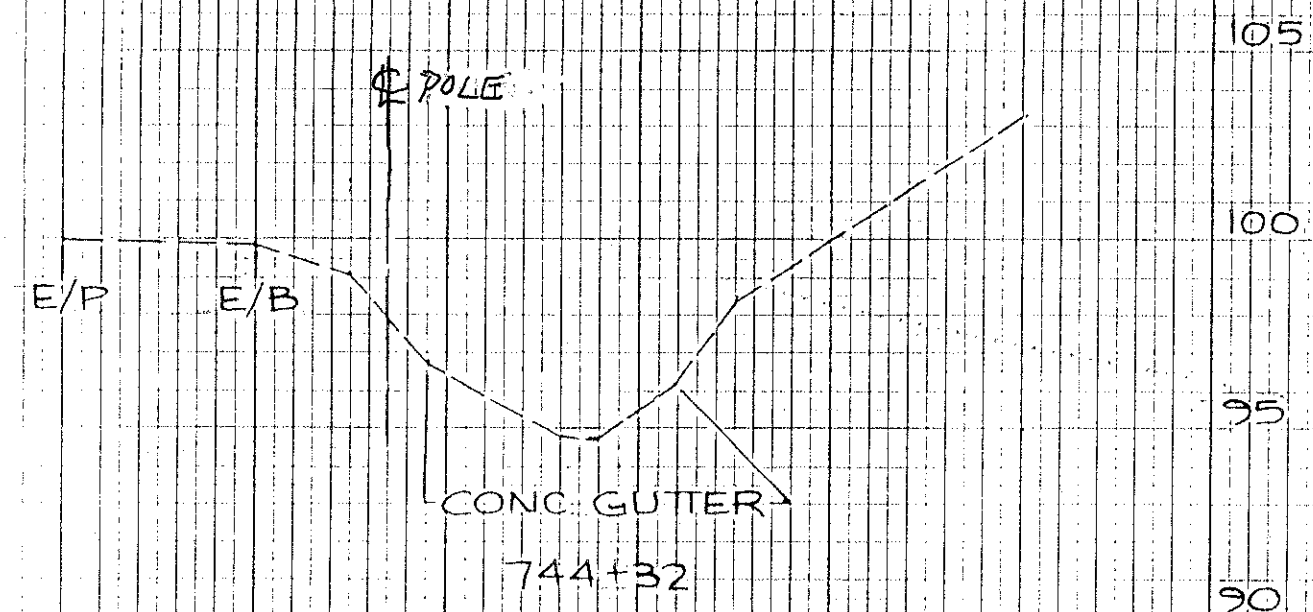
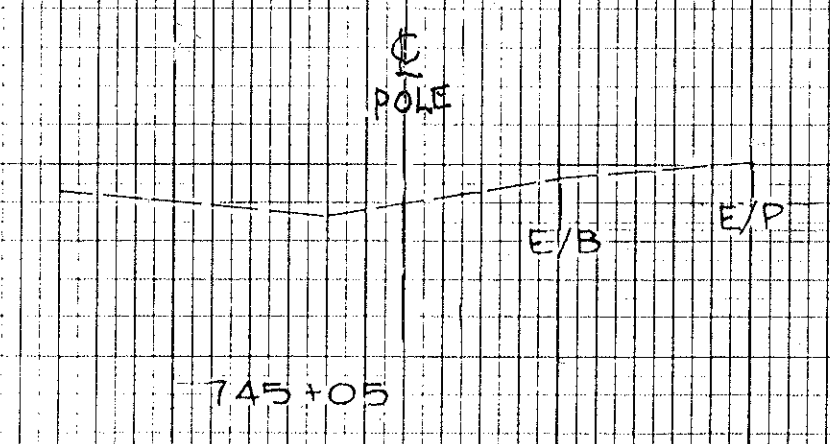
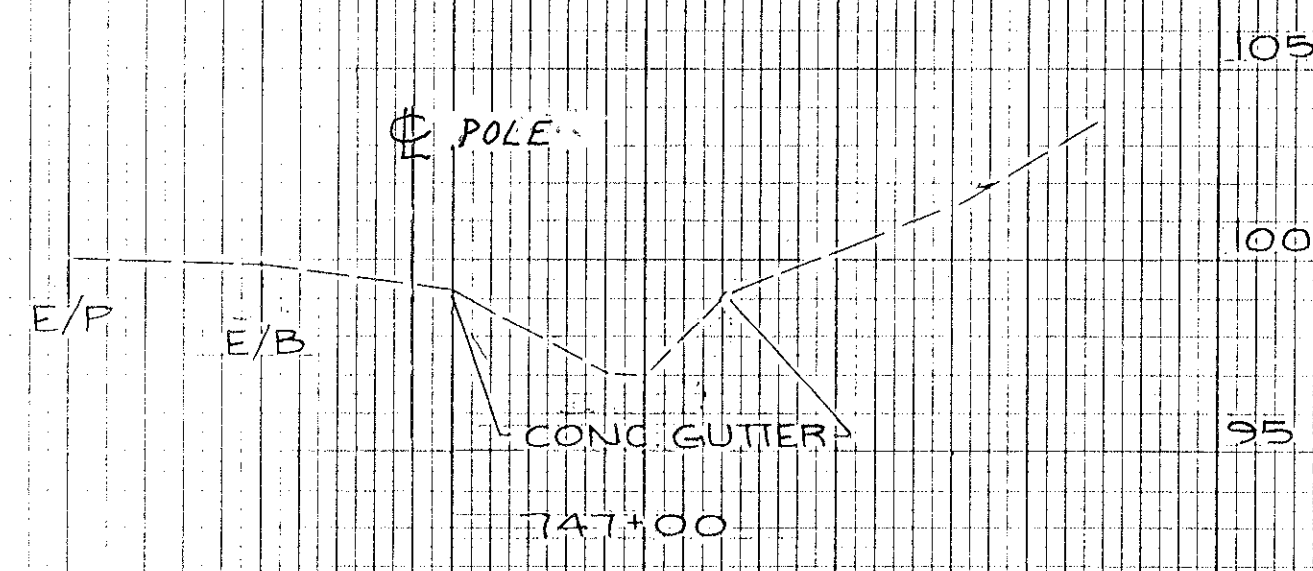
JPH-07, 08, 26, 93

MAH-11-886

0 10 20 30 40 50 60

60 50 40 30 20 10 0

105
100
95
90
105
100
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105
100
95
90
105
100
95
90
105
100
95
90



0 10 20 30 40 50 60

0 10 20 30 40 50 60

60 50 40 30 20 10 0

FINAL SURVEY
NOTES BOOK REF: 11-11-88
NO

FED RD DIVISION	STATE	PROJECT
5	OHIO	

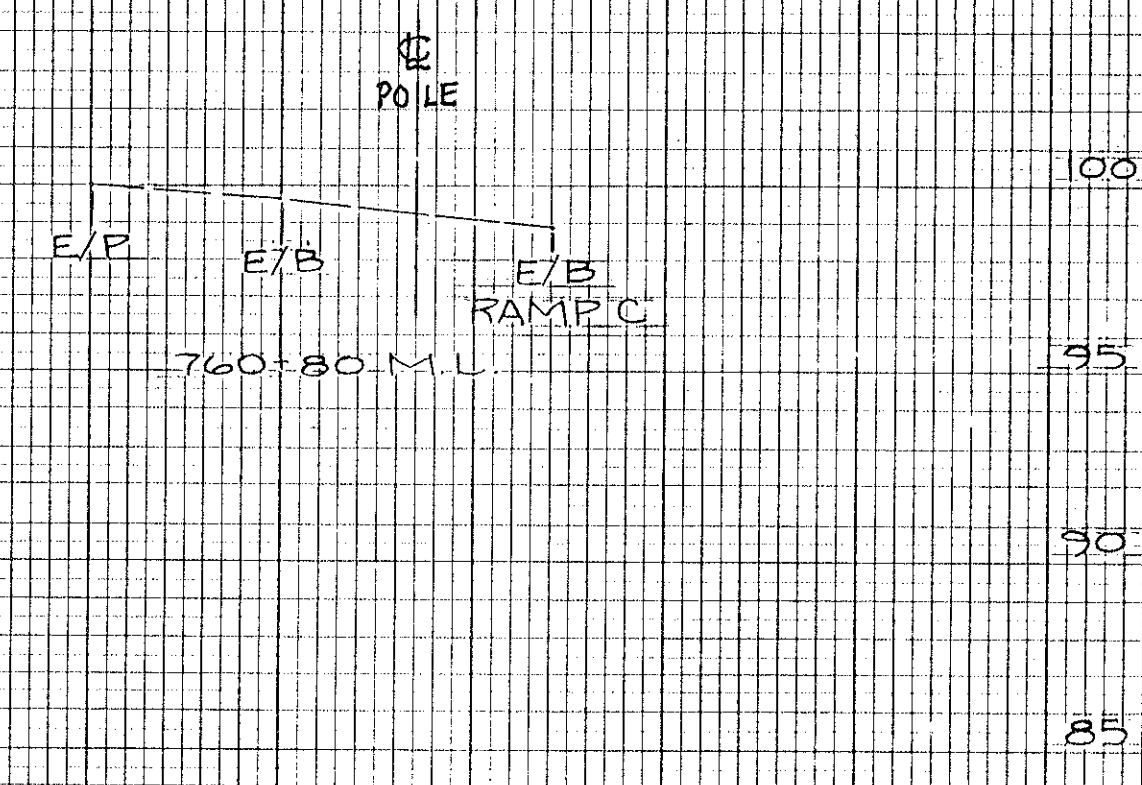
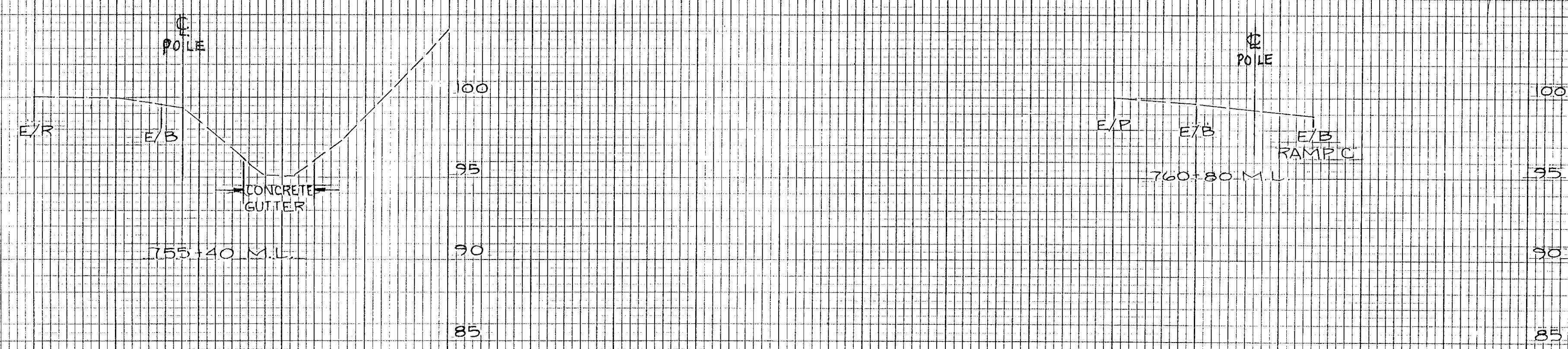
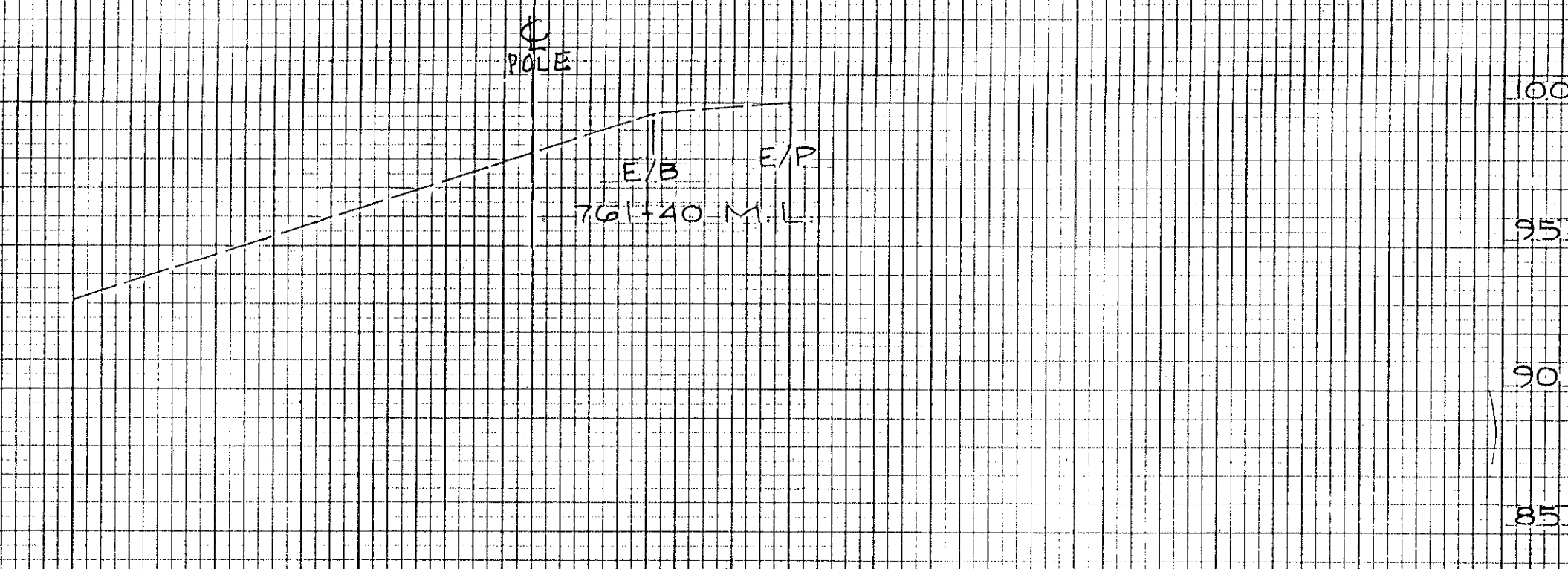
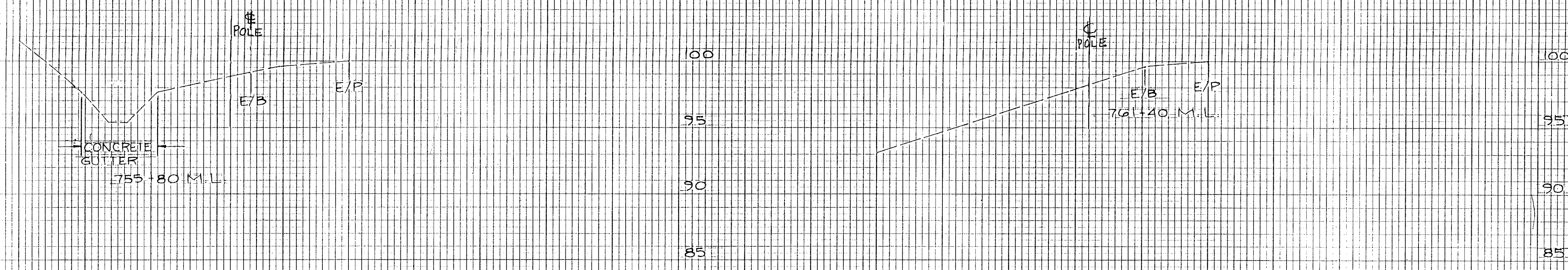
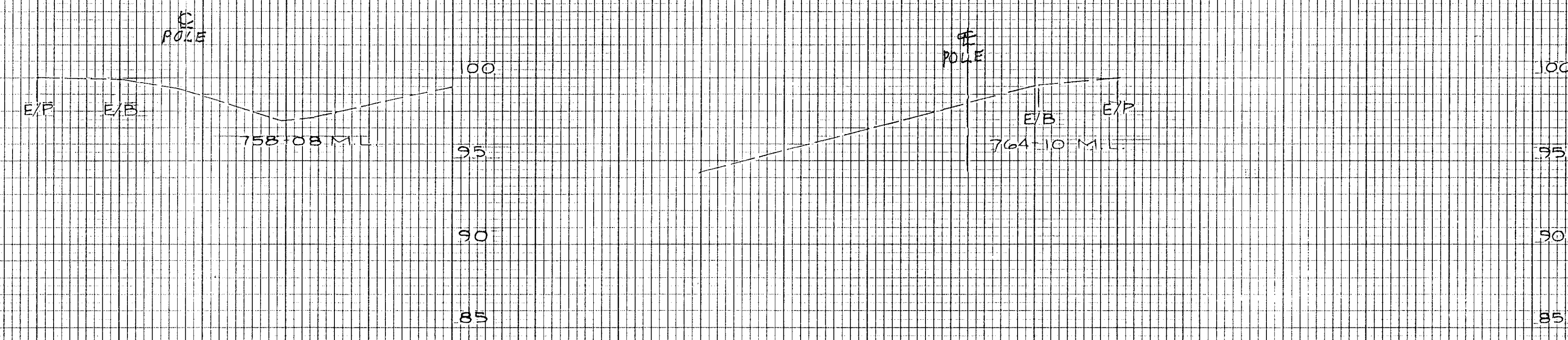
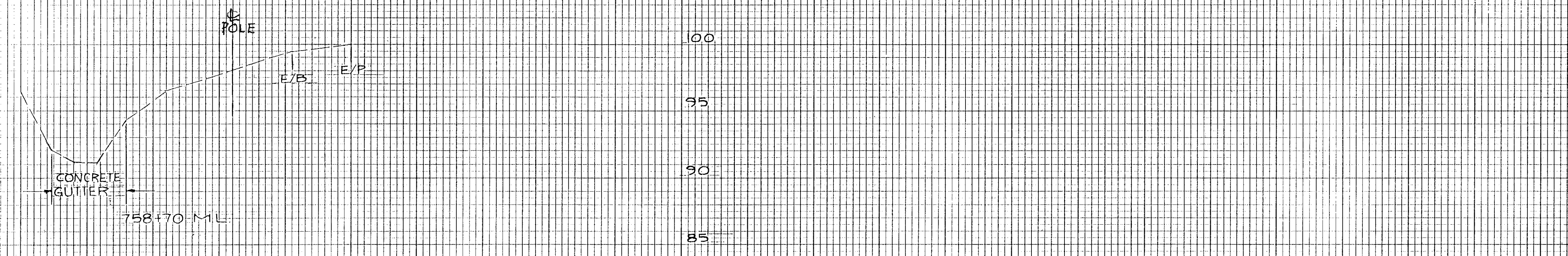
27
31

MAHILL 886

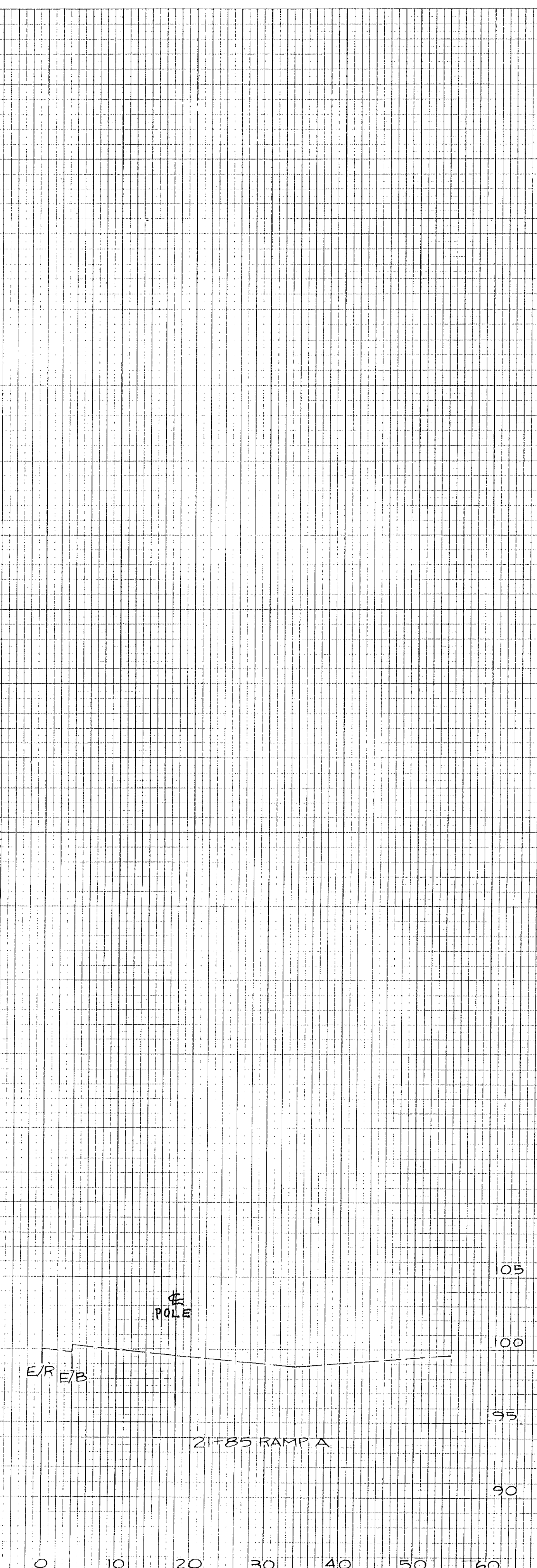
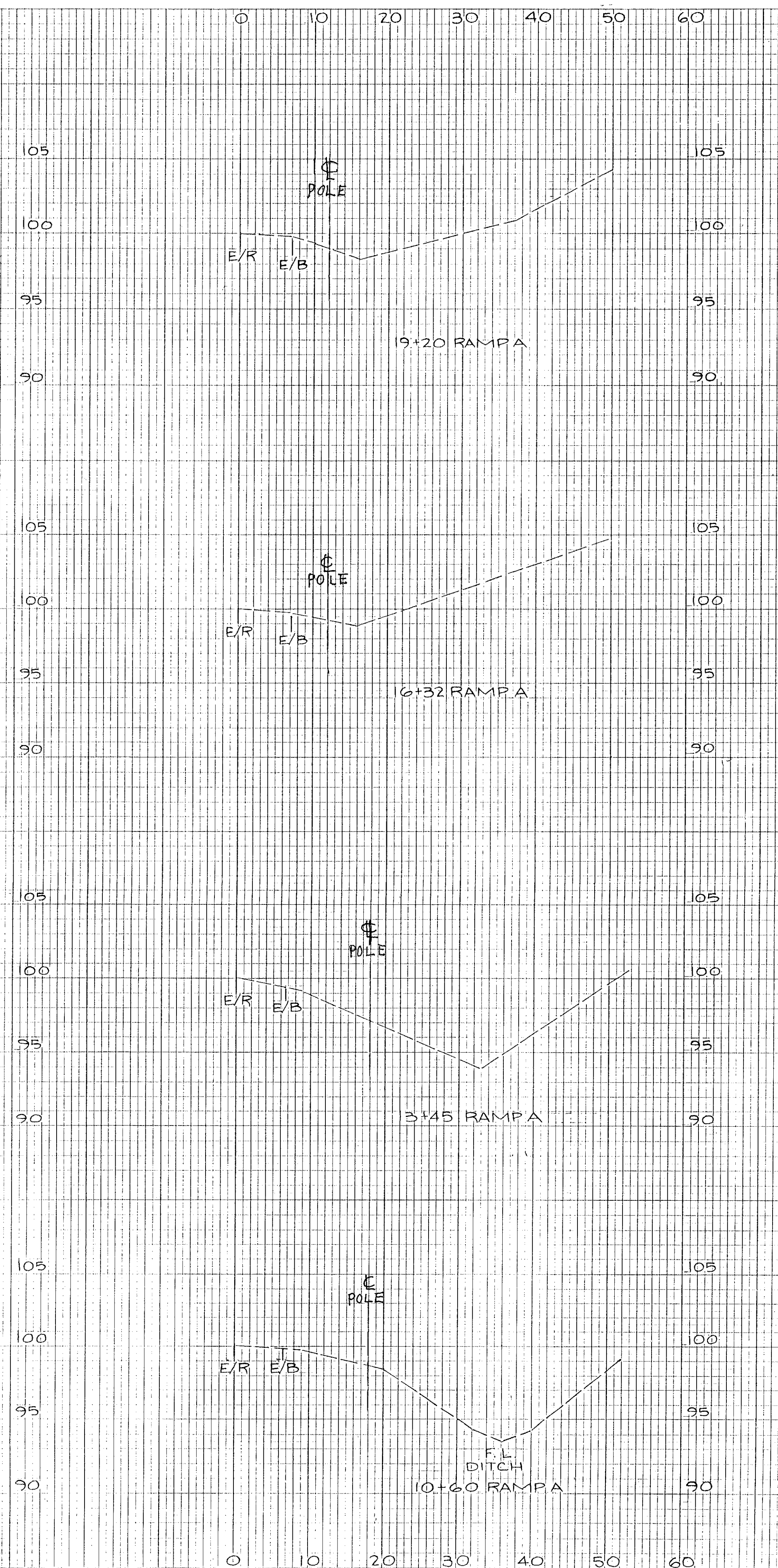
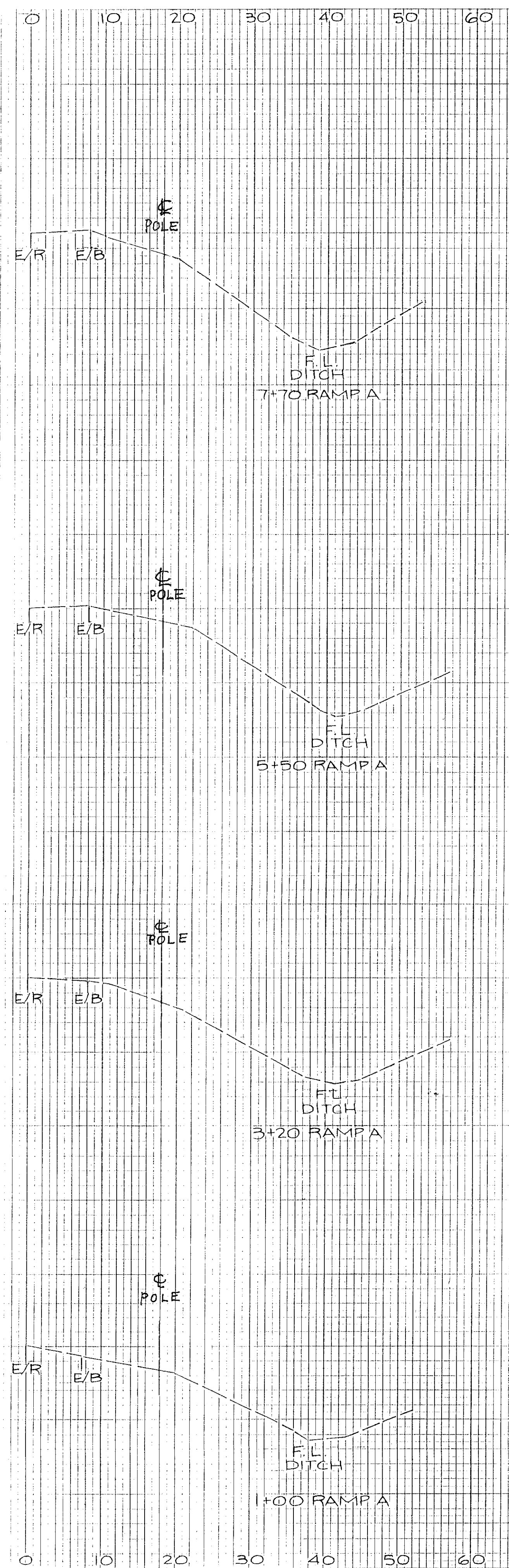
FINAL SURVEY
DATE: _____
BY: _____
CHECKED BY: _____

ORIGINAL SURVEY
DATE: _____
BY: _____
CHECKED BY: _____

50 40 30 20 10 0 10 20 30 40 50 50 40 30 20 10 0 10 20 30 40 50



50 40 30 20 10 0 10 20 30 40 50 50 40 30 20 10 0 10 20 30 40 50



MAH-11-8.80

ORIGINAL SURVEY
DATE
BY
VEY
NOTED
DATE
BY
DATE

ORIGINAL SURVEY
DATE
BY
VEY
NOTED
DATE
BY
DATE

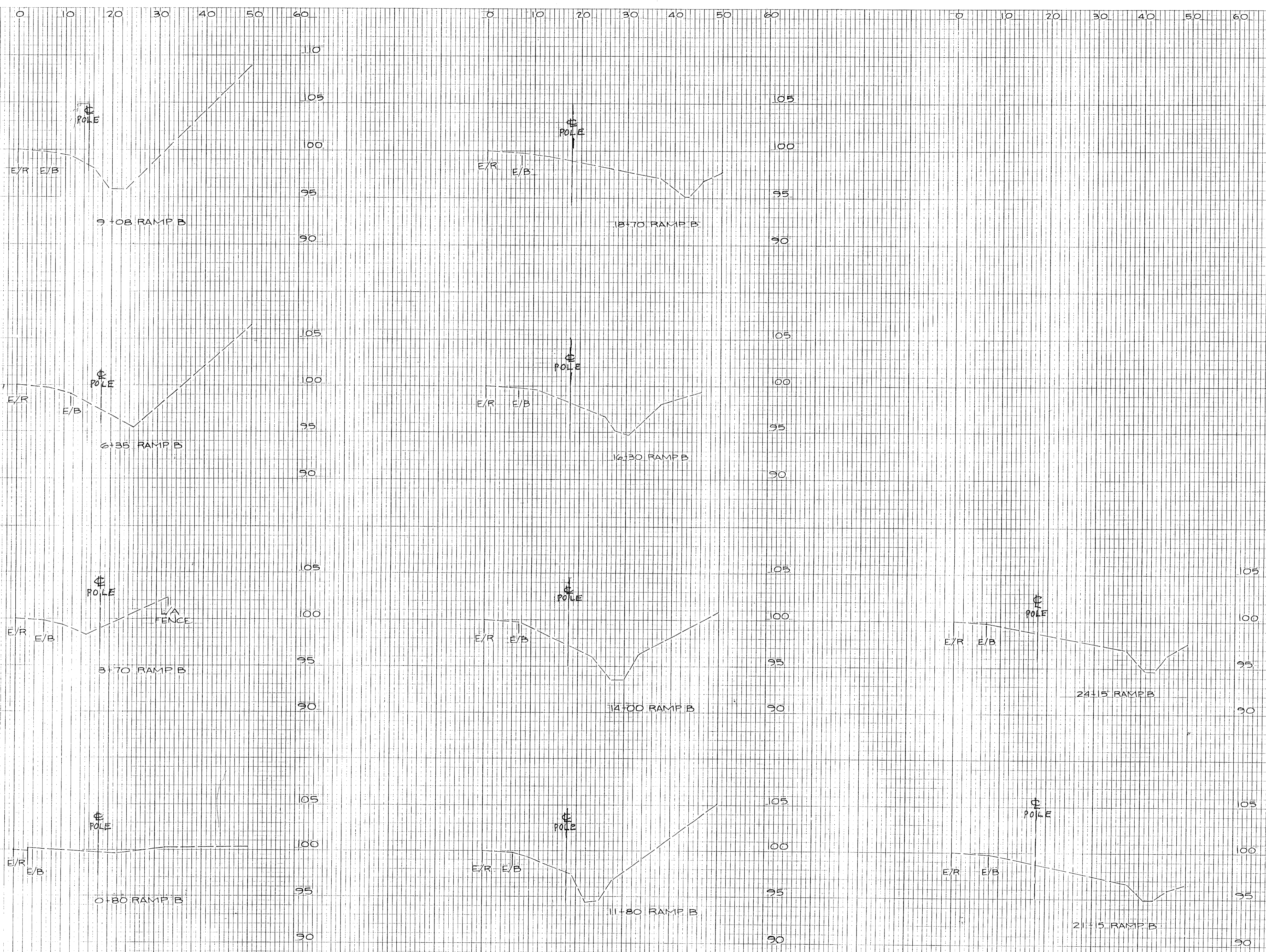


PLATE 3-11-1 CROSS SECTION FULL LINE

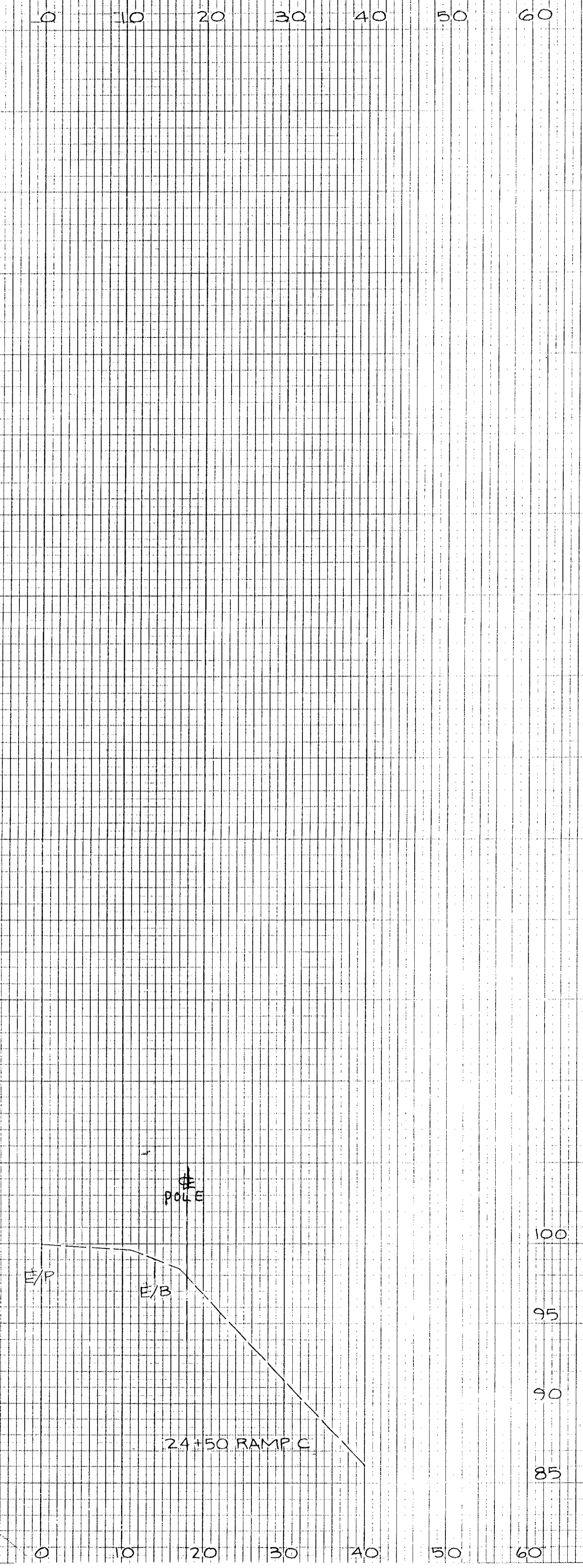
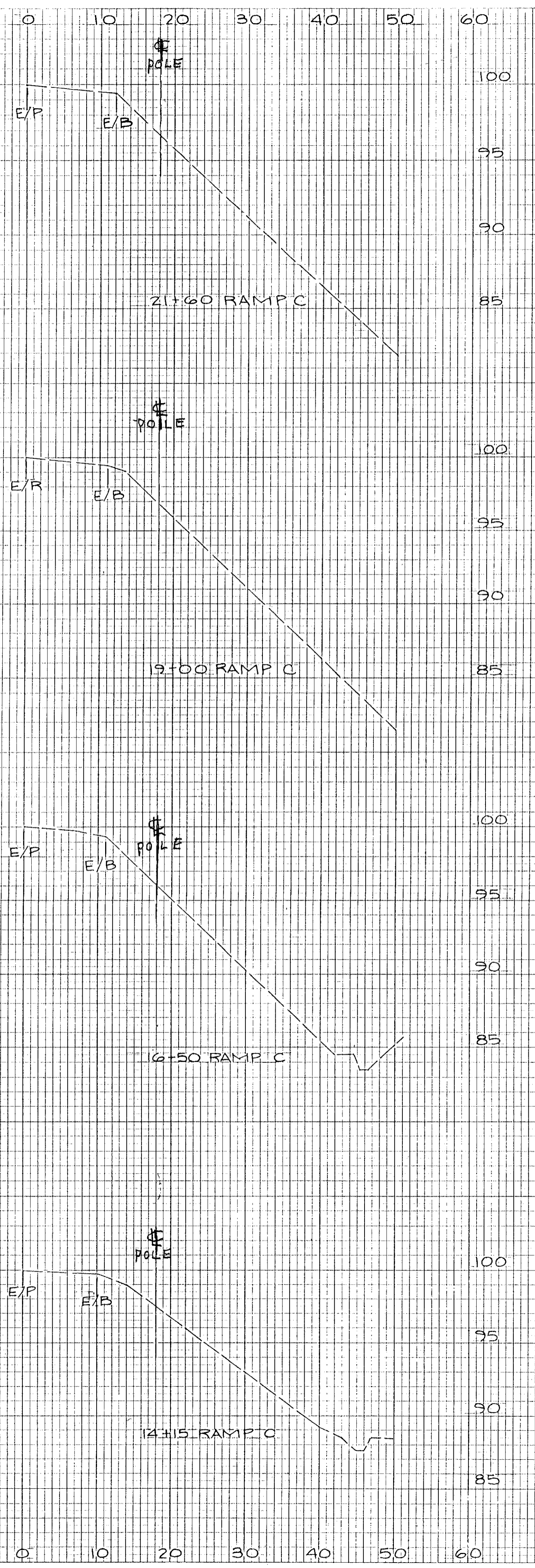
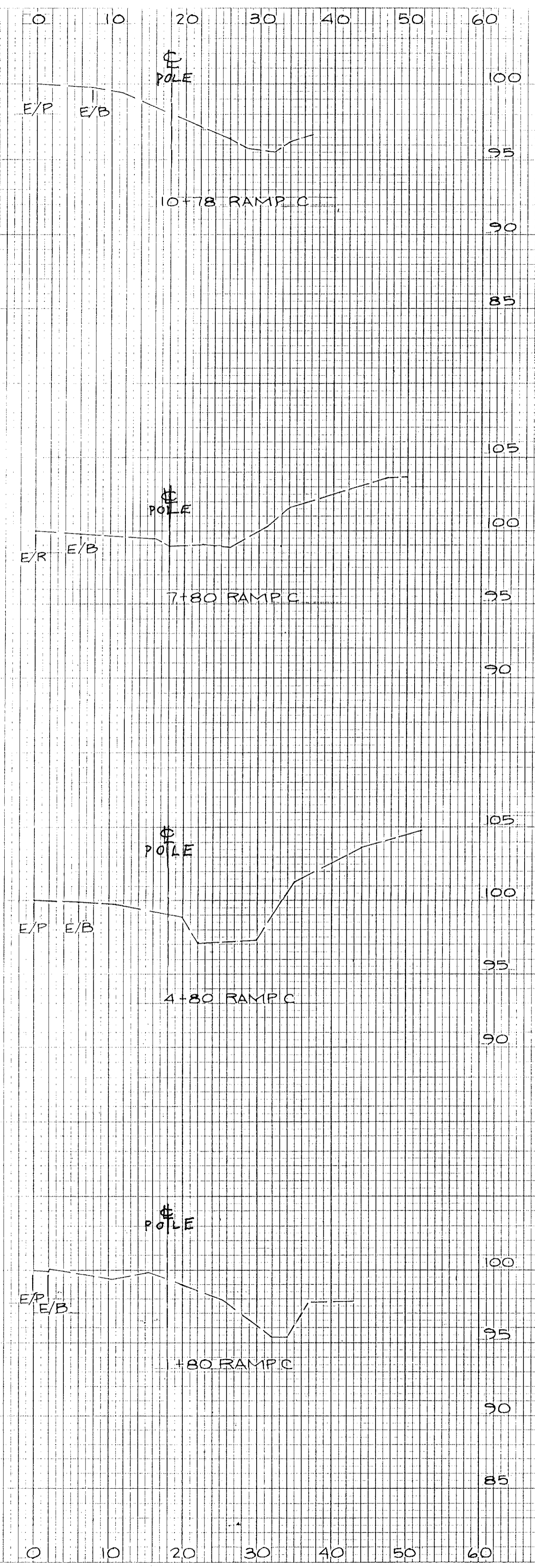
CROSS-SECTIONS RAMP 'B' SR. 11 AND CR 18

REVISED 3-14-94

MAH-11-8.86

FINAL SURVEY PLATE
NOTE BOOK TEMPLATE
NO.

FINAL SURVEY PLATE
NOTE BOOK TEMPLATE
NO.



MAH-11-886

MAH-11-886

31622

D-1

31

FINAL SURVEY BY DATE
 BY [Signature]
 DATE [Date]
 PROJECT [Project Name]

ORIGINAL SURVEY BY DATE
 BY [Signature]
 DATE [Date]
 PROJECT [Project Name]

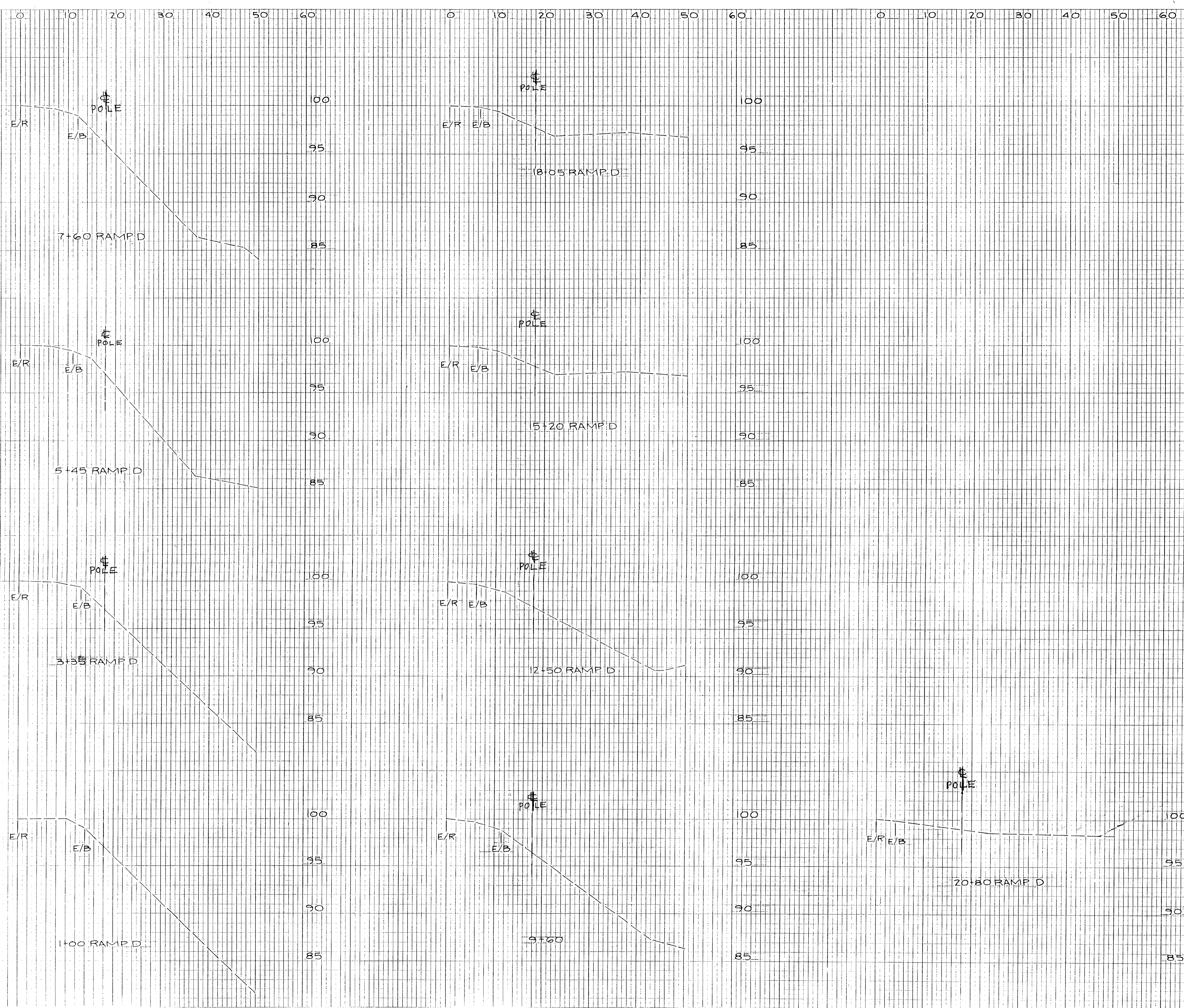
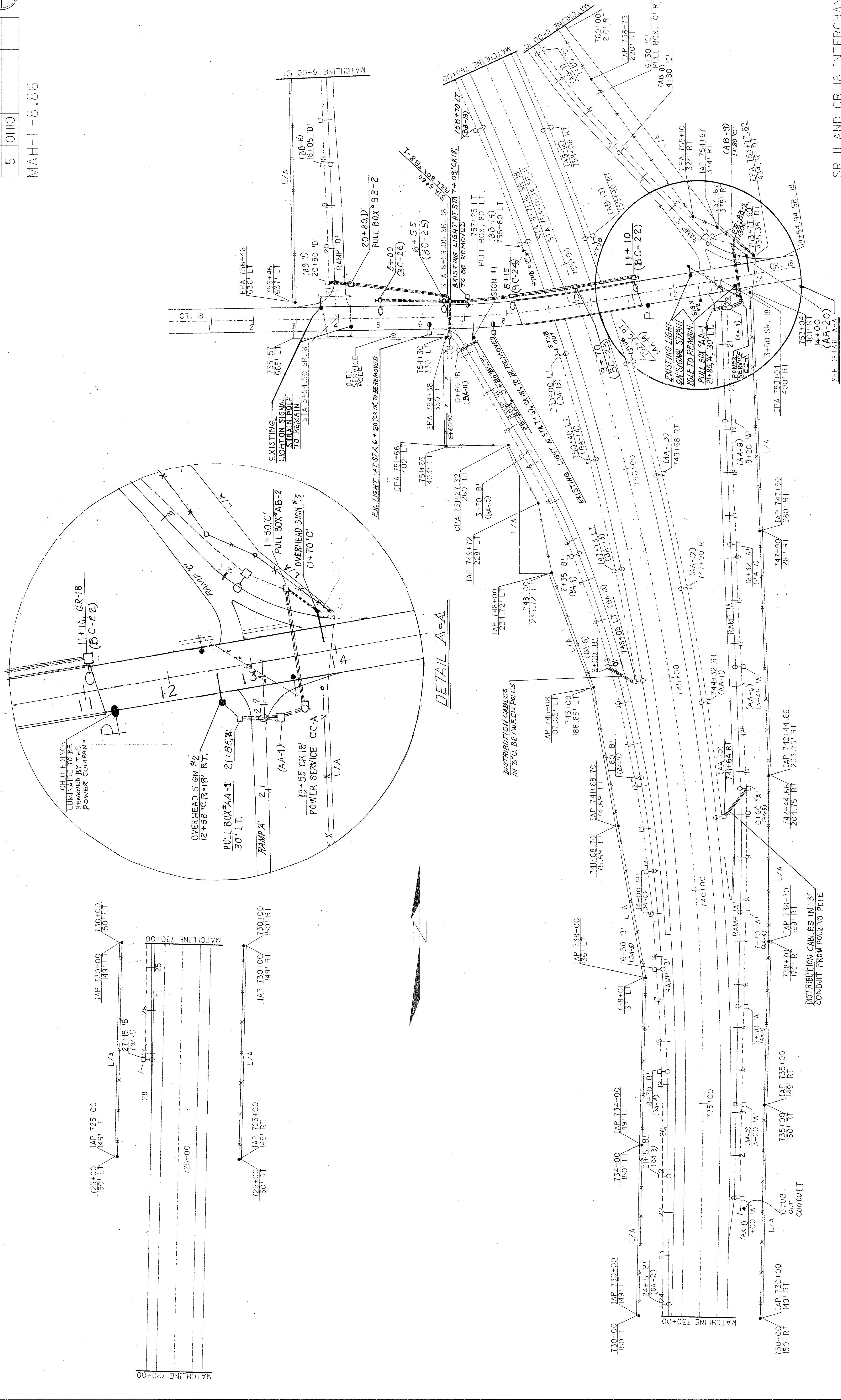


PLATE 3-F11.1 CROSS SECTION FULL LINE

CROSS-SECTIONS RAMP 'D' SR. 11 AND CR 18

REVISED 3-14-94

MAH-11-8.86

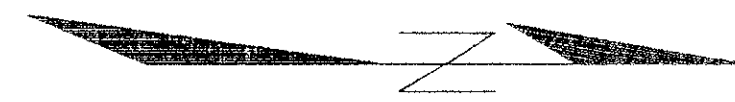
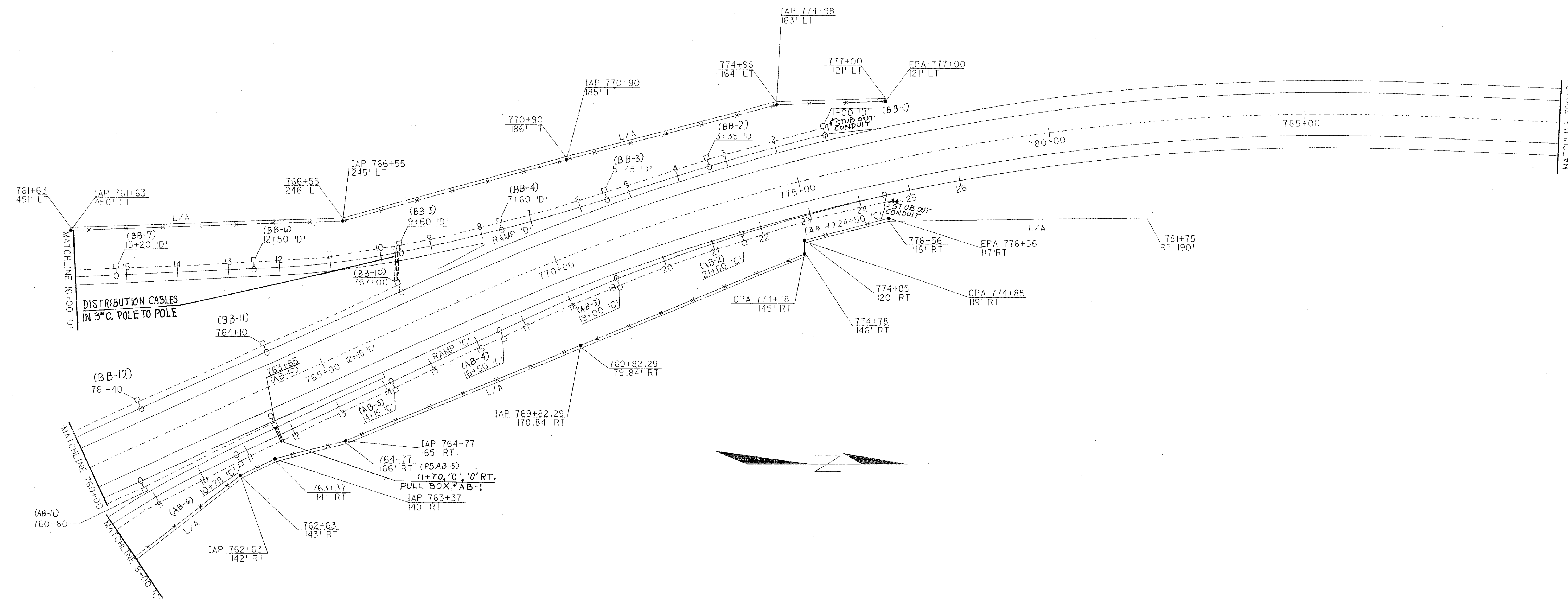


SR 11 AND CR 18 INTERCHANGE LIGHTING AND FENCING PLAN
 REVISED 3-14-94
 SEE SHEET 16 FOR LIGHTING LEGEND
 SEE DETAIL A-A

F.H.W.A. REGION	STATE	PROJECT NO.	FUNDS
5	OHIO		

18
31

MAH-II-8.86



SEE SHEET 16 FOR LIGHTING LEGEND
 SR II AND CR 18 INTERCHANGE
 LIGHTING AND FENCING PLAN
 REVISED 3-14-94

JPH/PZ, 08/26/93