

STATE OF VERMONT
CITIES OF BARRE & MONTPELIER
BERLIN, VERMONT

SUMMARY OF QUANTITIES		
ITEM NO.	ITEM	QUANTITIES
P-152	UNCLASSIFIED EXCAVATION	20,000 CY
P-152	SCALP-PAVING, RESHAPE & COMPACT	21,700 CY
P-214	PENETRATION MACADAM BASE COURSE	21,700 SY
P-405	KEYSTONE AGGREGATE SURFACE TREATMENT	4,600 SQY
P-405	BITUMINOUS MATERIAL	14,900 GALS.
P-602	BITUMINOUS PRIME COAT	17,400 GALS.
P-602	BITUMINOUS SEAL COAT (COVER AGG)	1,500 GALS.
P-604	BITUMINOUS SEAL COAT	15,000 GALS.
D-704	STANDARD STRENGTH CLAY PIPE	325 LF
D-702B	REMOVE AND RELAY UNDER-DRAIN	500 LF
D-702	15" STANDARD STRENGTH REIN. CONC. CUL.	325 LF
D-705	CONCRETE BACKFILL NO. 2	400 CY
D-707	DRIVE VALVE	1 EA.
D-721A	LOWER OR RAISE EXISTING C.B. GRATES	3 EA.
D-721B	REMOVE EXISTING CATCH BASIN	3 EA.
T-301	SEEDING - PREPARING SURFACE	56 ACRES
T-301	SEEDING - SOWING SEED	56 ACRES
T-305	TOPSOILING	2,400 CY
L-108	AIRPORT CABLE TRENCH	3,000 LF
L-108A	AIRPORT UNDERGROUND CABLE	4,000 LF
L-108A	TESTING RUNWAY ELEC. INSTALLATION	2,000 LF
L-108A	AND REPAIRING THRESHOLD LIGHTS	2,000 LF
SEE 114	INSTALLATION OF AIRPORT LIGHTS	28 EA.

CONSTRUCTION PLANS

FOR

BARRE - MONTPELIER AIRPORT

GRADING, DRAINAGE, LIGHTING AND PAVING

10 JUNE 1950

INDEX TO DRAWINGS	
TITLE	SHEET NO.
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LIGHTING PLAN & MASTER PLAN	9 & 10
CROSS SECTIONS - NW-SE RUNWAY	11

CIVIL AERONAUTICS ADMINISTRATION

APPROVED _____ DIRECTOR
DATE _____ AIRPORT ENGINEERING SERVICE

APPROVED _____ SUPERINTENDENT
DATE _____ AIRPORTS BRANCH

APPROVED _____ DISTRICT AIRPORT ENGR
DATE _____

VERMONT AERONAUTICS COMMISSION

APPROVED *W. C. Noyes* CHAIRMAN
DATE July 7, 1950

APPROVED *W. F. Knapp* DIRECTOR
DATE June 23, 1950

CITIES OF BARRE & MONTPELIER

APPROVED *Amos F. Barber* Mayor
DATE 28 June 1950

Henry W. Wilcox Mayor
DATE

PREPARED BY

JOHN D. COOK, ENGINEER BARRE, VERMONT

DATE 28 June 1950 *John D. Cook*
Reg. Engineer

PROFILE	SURVIVED	BY	DATE
NOTE BOOK	PLOTTED	<i>L. Dugdale</i>	
NO.	PHOTOS CHECKED	<i>L. Dugdale</i>	
	B. M.A. NOTED		
	STRUCTURE NOTATION CHKD.		

F. A. P. No. _____

1941

[illegible]

State of Vermont

Montpelier - Barre Airport

Department of Highways

F. A. P. No.

FORM ENG. 1A

EARTHWORK SHEET NO. 2 of 4

1941

REVISIONS		VOLUMES		VERTICAL CURVES		GRADES		PROFILES		Total Excavation Earth and Rock		Balance and Rock Excavation		Embankment		Shaping Course of Gravel			
V.C.	% Grade	STATION	ELEVATION	On Grades	On V Curves	Correction for Vertical Curve	DIST.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.		
300' VC	+2.460%	91+50	146.64																
		92	147.87																
		+50	149.10		0														
		93	150.33	150.29	-0.04														
		+50	151.56	151.40	-0.16														
		94	152.79	152.42	-0.37														
		+50	153.62	153.46	-0.16														
		95	154.45	154.41	-0.04														
		+50	155.78		0														
		96	156.11																
300' VC	+1.660%	+50	156.94																
		+76	157.37																
		97	157.77																
		+50	158.60																
		98	159.43																
		+50	160.26																
		99	161.09																
		+50	161.92																
		100	162.75																
		+50	163.58																
300' VC	+1.660%	101	164.41																
		+50	165.24																
		102	166.07																
		+50	166.90																
		103	167.73																
		+50	168.56																
		104	169.39																
		+50	170.22																
		105	171.05		0														
		+50	171.88	172.01	+0.13														
300' VC	+4.590%	106	172.71	173.25	+0.54														
		+50	173.54	174.75	+1.21														
		107	175.98	176.52	+0.54														
		+50	178.43	178.56	+0.13														
CARRIED FORWARD										CARRIED FORWARD									
COLUMN FOOTINGS										COLUMN FOOTINGS									

REVISIONS		VOLUMES		VERTICAL CURVES		GRADES		PROFILES		Total Excavation Earth and Rock		Balance and Rock Excavation		Embankment		Shaping Course of Gravel			
V.C.	% Grade	STATION	ELEVATION	On Grades	On V Curves	Correction for Vertical Curve	DIST.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.		
400' VC	+4.590%	107+50	178.43	178.56	+0.13														
		108	180.33		0														
		+50	183.32																
		+73	184.44																
		109	185.86		0														
		+07	186.11		-0.00														
		+50	188.21	188.10	-0.11														
		110	190.66	190.22	-0.44														
		+50	193.10	192.11	-0.99														
		+91	195.10	193.50	-1.60														
400' VC	+4.590%	111	195.54	193.79	-1.75														
		+50	196.23	195.24	-0.99														
		112	196.96	196.52	-0.44														
		+50	197.61	197.50	-0.11														
		113	198.30		0														
		+50	198.99																
		114	199.65																
		+50	200.37																
		+699	200.64																
		115	201.06																
300' VC	+1.579%	+481=	201.72																
		116	202.01																
		+50	202.70																
		116	203.39																
		+50	204.07																
		117	204.76		0														
		+50	205.45	205.44	-0.01														
		118	206.14	206.10	-0.04														
		+50	206.83	206.74	-0.09														
		119	207.41	207.37	-0.04														
300' VC	+1.579%	+50	207.95	207.97	-0.02														
		120	208.56		0														
		+50	209.13																
		121	209.71																
300' VC	+1.579%	+50	210.28																
		122	210.86																
CARRIED FORWARD										CARRIED FORWARD									
COLUMN FOOTINGS										COLUMN FOOTINGS									

State of Vermont

Montpelier-Barre Airport

Department of Highways

F. A. P. No.

FORM HNS, 1A

EARTHWORK SHEET NO. 3 of 4

1941

REVISIONS		VOLUMES		VERTICAL CURVES		GRADES		PROFILE		Total Excavation Earth and Rock		Balance and Rock Excavation		Embankment		Shaping Course of Gravel		DIST.		PROFILE		Total Excavation Earth and Rock		Balance and Rock Excavation		Embankment		Shaping Course of Gravel		DIST.		
By	Computed by	By	Computed by	By	Computed by	By	Computed by	STATION	ELEVATION	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	STATION	ELEVATION	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	STATION	ELEVATION	
								122	210.86												139	225.65										
								+50	211.43												+50	225.55										
								+55.5	211.50												140	225.65										
								124	212.00												+50	225.75										
								+50	212.57												141	225.85										
								125	213.15												+50	225.95										
								+50	213.72												142	226.05										
								126	214.30												+50	226.15										
								+50	214.87												+75	226.20										
								127	215.45												143	226.25	226.30	+0.05								
								+50	216.02												+50	226.35	226.80	+0.45								
								128	216.60												144	226.45	227.70	+1.25								
								+50	217.17												+25	226.50	228.30	+1.80								
								129	217.75												+50	227.75	229.00	+1.25								
								+50	218.32												145	230.24	230.69	+0.45								
								130	218.90												+50	232.73	232.78	+0.05								
								+50	219.47												+75	233.95		0								
								131	220.05												146	235.23										
								+50	220.62												+50	237.72		0								
								132	221.20												147	240.21	240.03	-0.18								
								+50	221.77												+50	242.71	241.98	-0.73								
								133	222.35												148	245.20	243.56	-1.64								
								+50	222.92												+50	245.51	244.78	-0.73								
								134	223.50	223.46	-0.04											149	245.81	245.63	-0.18							
								+50	224.07	223.91	-0.16											+50	246.12		0							
								135	224.65	224.29	-0.36											150	246.42									
								+50	224.75	224.59	-0.16											+50	246.73									
								136	224.85	224.81	-0.04											151	247.03									
								+50	224.95		0											+50	247.34		0							
								137	225.05													+75	247.49									
								+50	225.15													152	247.64	247.70	+0.06							
								138	225.25													+50	247.95	248.49	+0.54							
								+50	225.35													153	248.25	249.75	+1.50							
								139	225.45													+25	248.40	250.57	+2.17							
																					+50	249.99	251.49	+1.50								
																						154	253.19	253.73	+0.54							
																						+75	251.59	251.56	+0.97							
																							25	254.79	255.03	+0.24						
																								25	256.38	256.46	+0.06					

Department of Highways

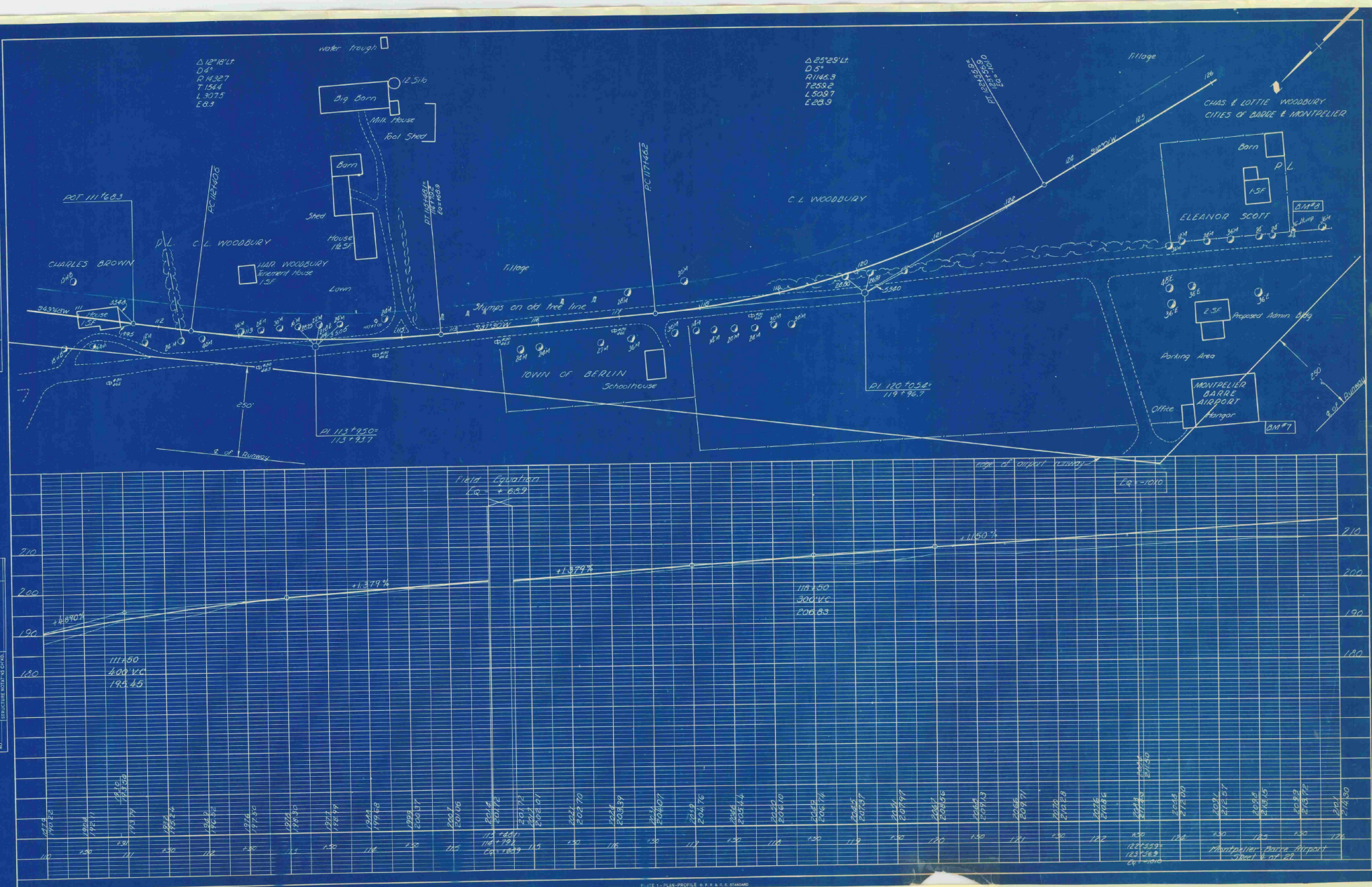
F. A. P. No.

FORM ENG. 1A

EARTHWORK SHEET NO. 4 of 4

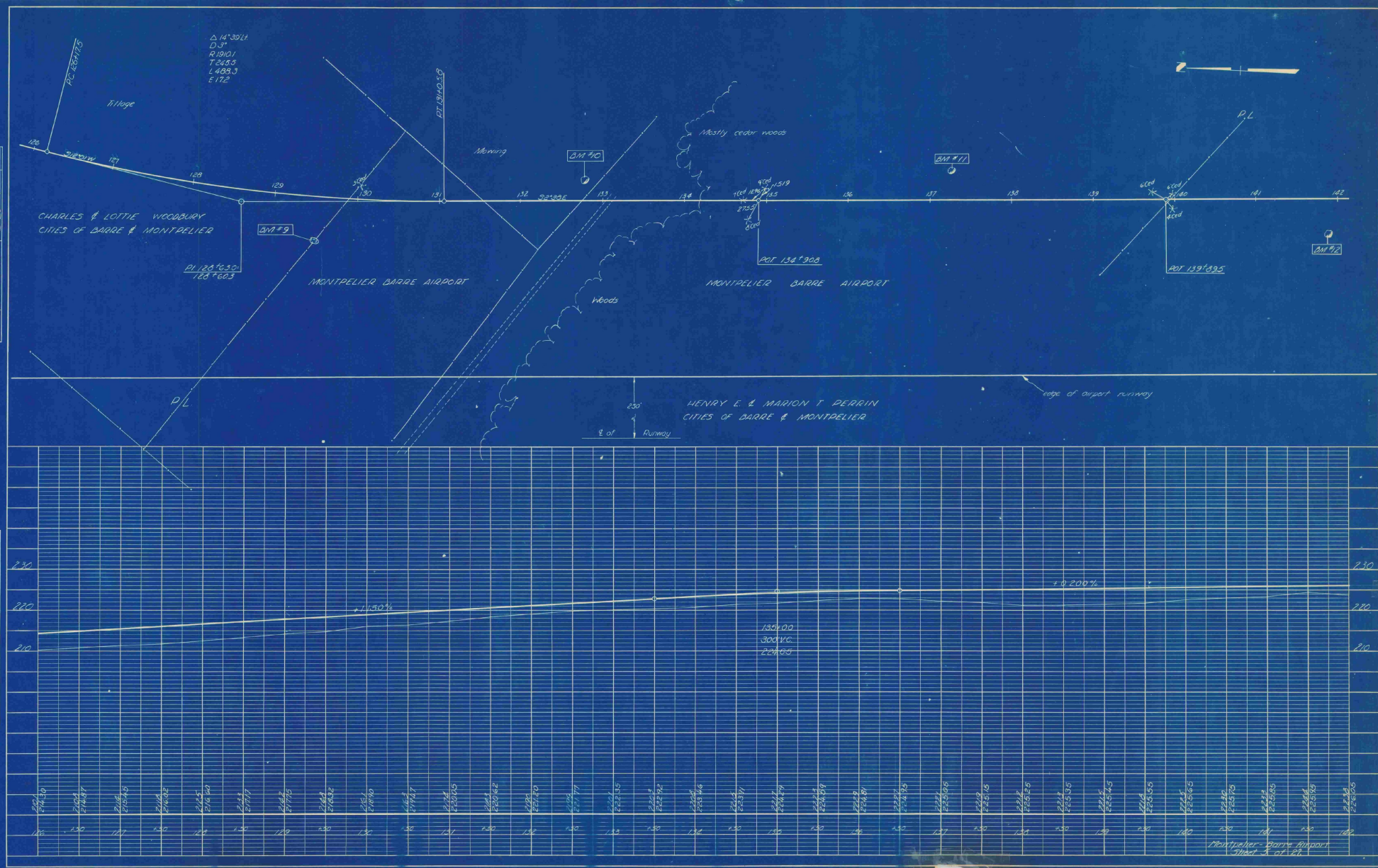
194/

PLAN	SUBJECT	BY	DATE
NOTE BOOK	ALIGNED CHECKED		
NO	PT. OF WAY CHECKED	LOUIS	

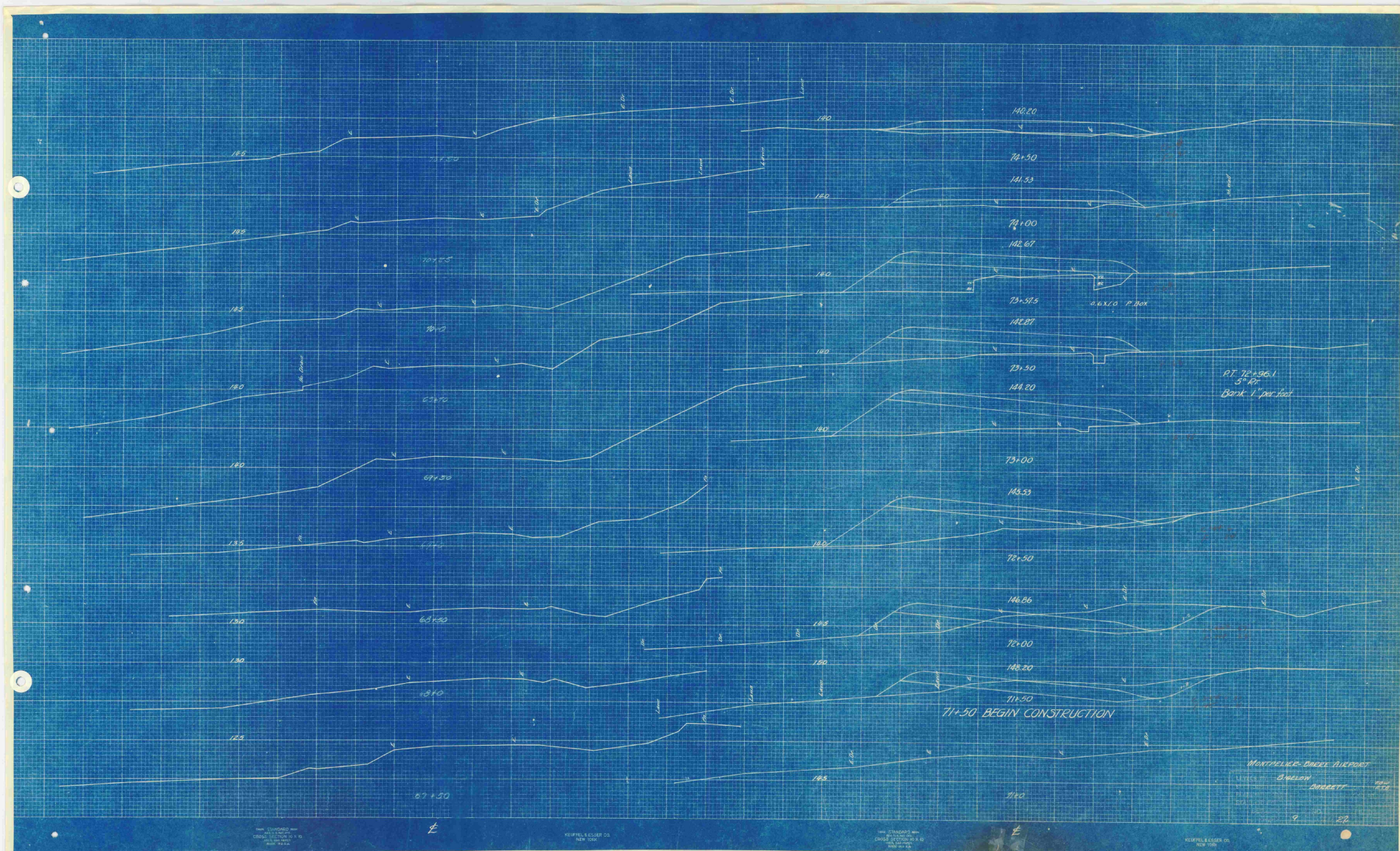


PLAN	DATE	BY	CHKD
PROJECT			
NOTE BOOK			
NO.			

PROFILE	DATE	BY	CHKD
PROJECT			
NOTE BOOK			
NO.			



PROFILE	SPENT	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	B. M.'S. NOTED		
NO.	STRUCTURE NOTATIONS CHECKED		

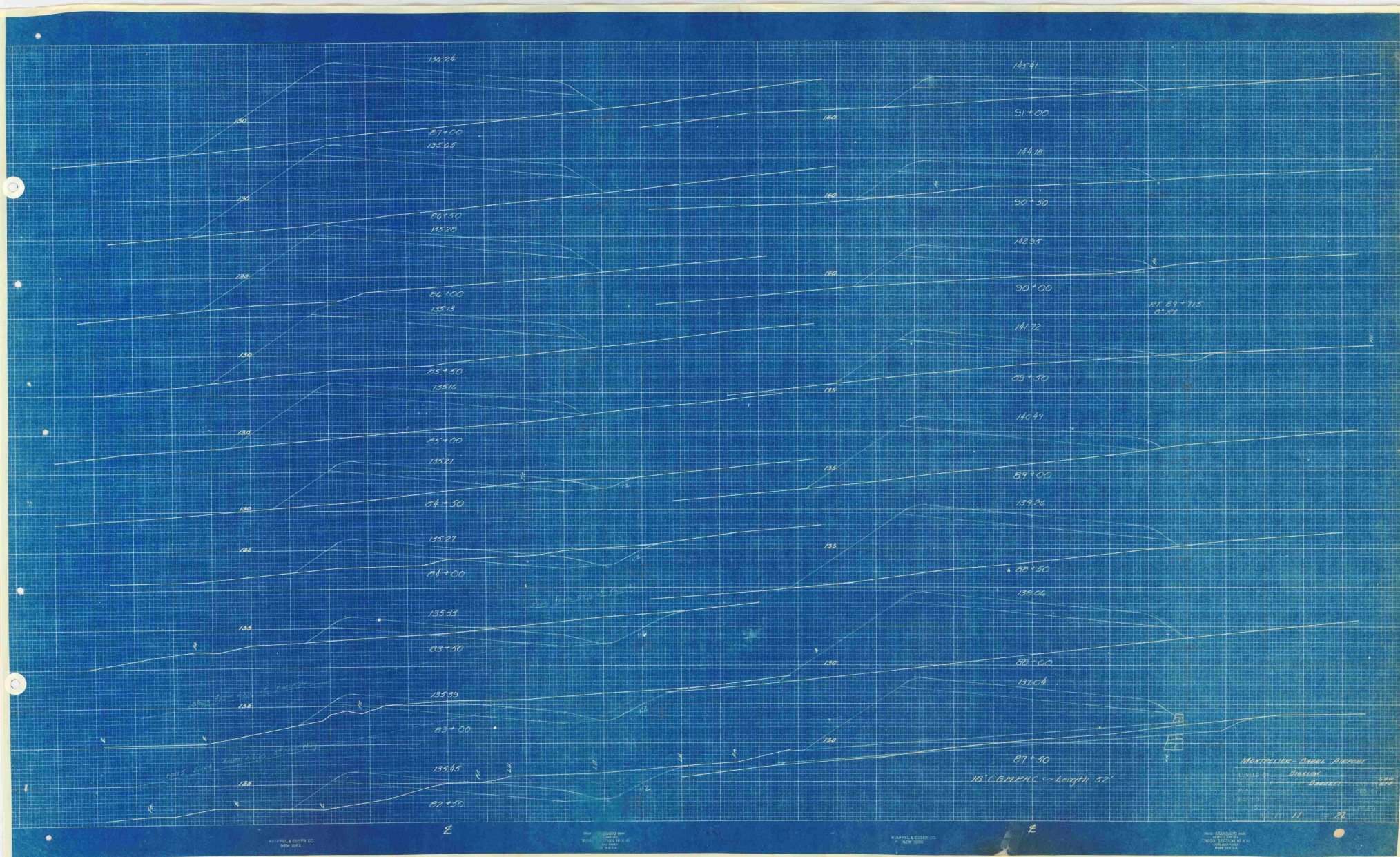


135.97
 78+0
 15" C.G.T.P.A.C. Long 38 ft.

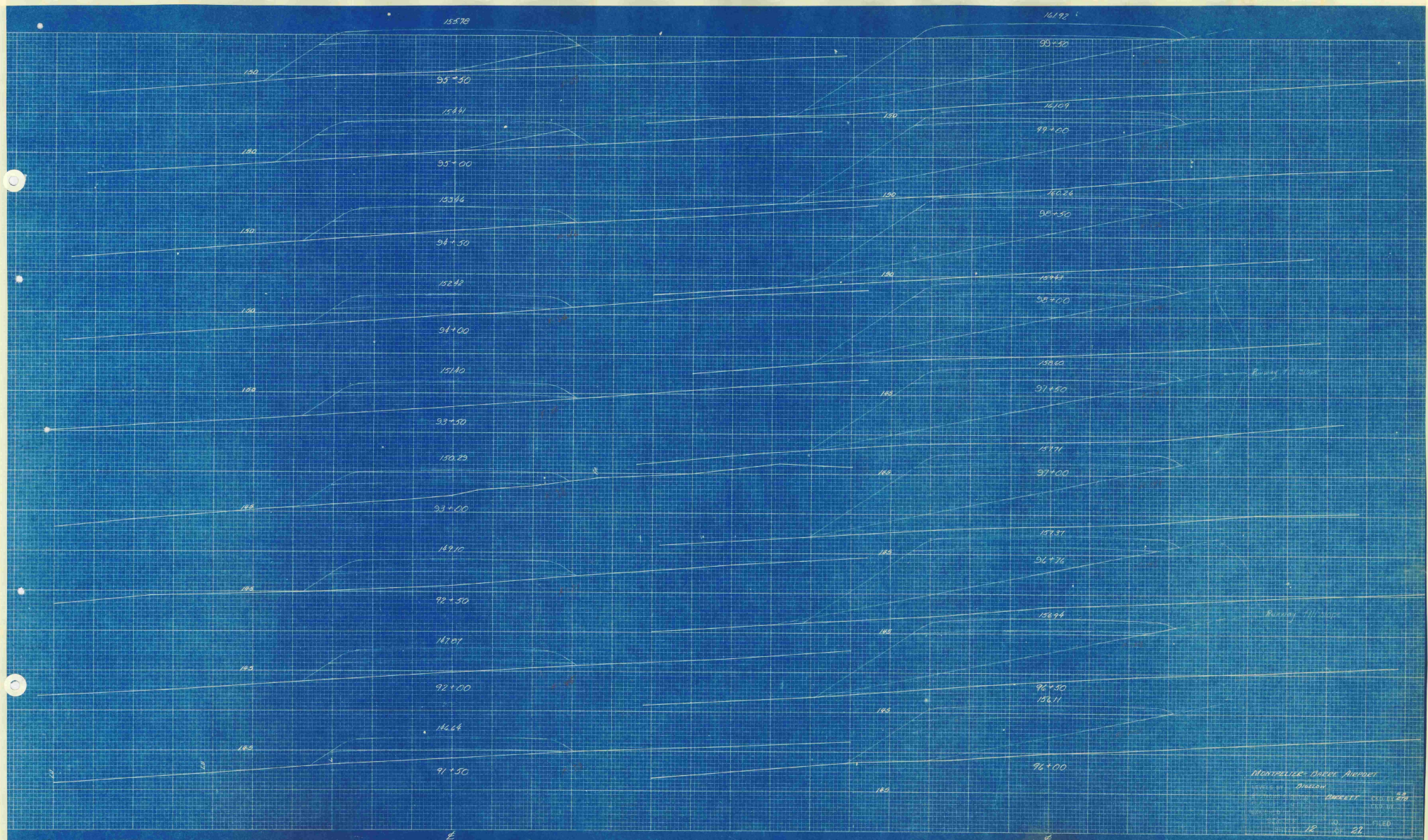


PC 81+00.0
 6" Right
 Back 1/8" per foot

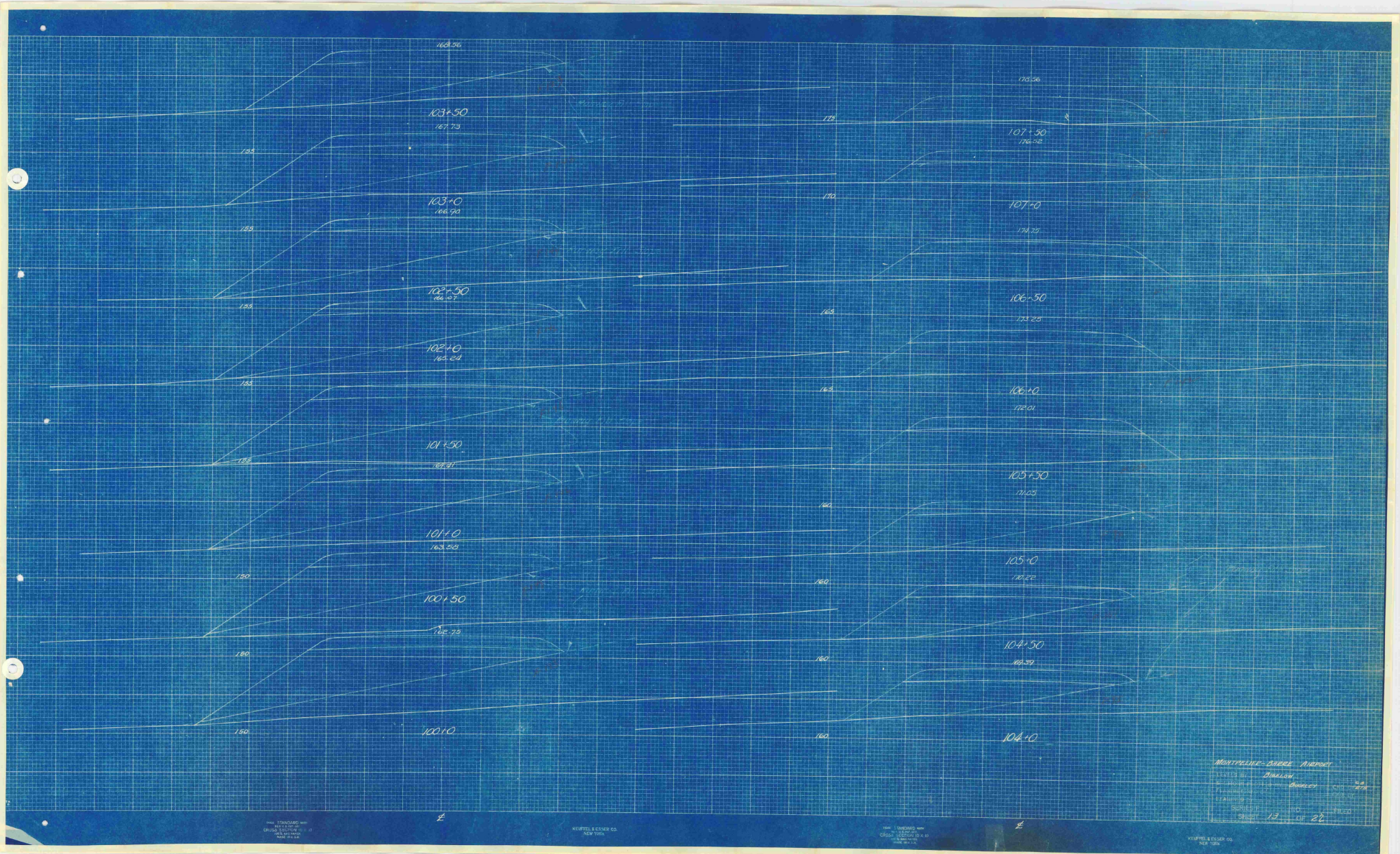
MONTPELIER-DANES AVENUE
 BRIDGE
 SHEET 11

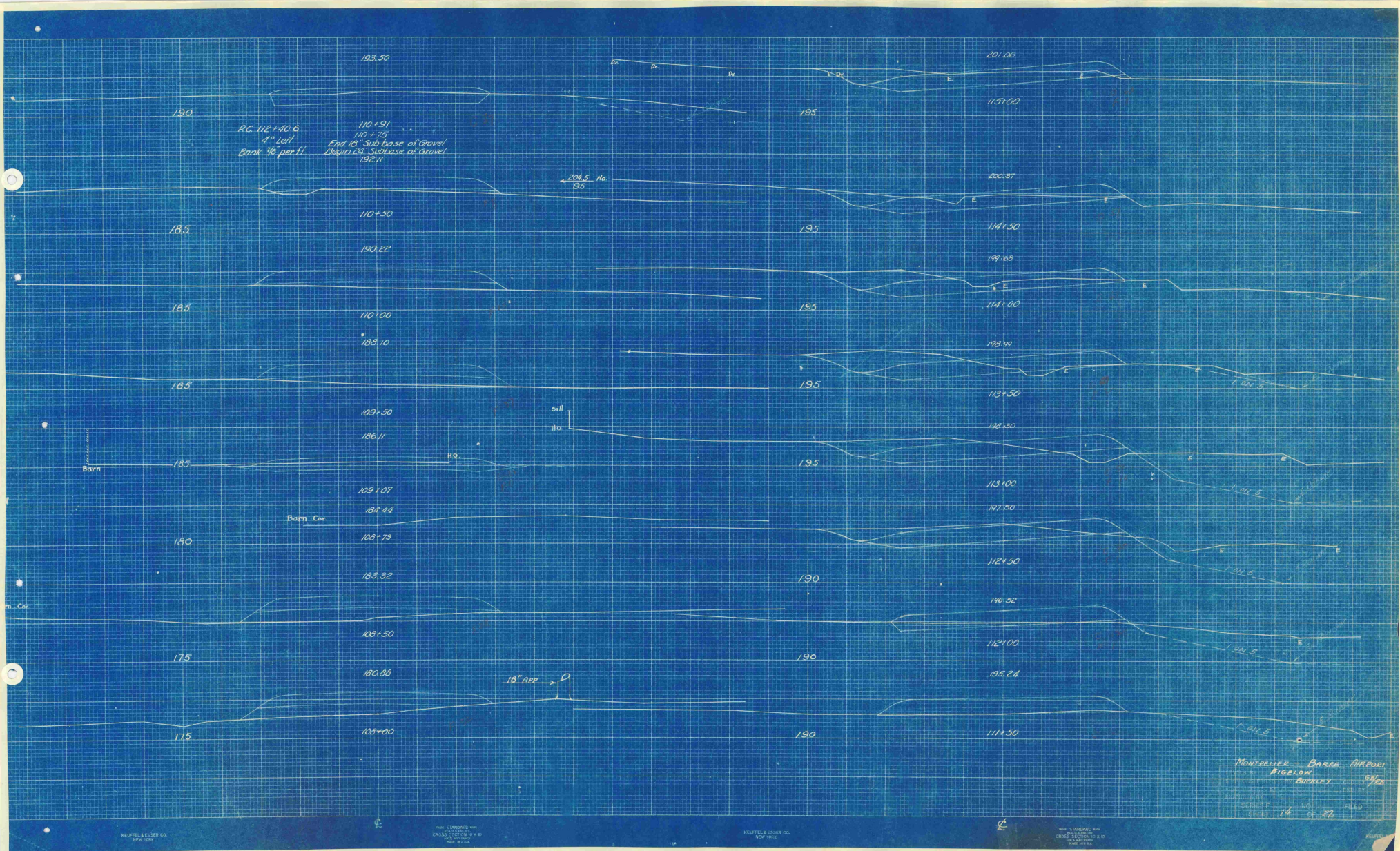


MONTPELIER AIRPORT
 10' G.M.P.M.C. - length 52'
 11 22



Montpelier Three Arches
DESIGNED BY
DRAWN BY
CHECKED BY
DATE
FILED





MONTPELIER - BARKER AIRPORT
RIDGELOW
BUCKLEY
5/28
14 40 27

PC 117+46.2
5' Left
Bank 1' per foot

Stumps

Stumps

Stumps

DT 115+82.1 =
114+19.2 RG 168.9
Bank 1/4" per foot
4" Left

End of Sub-base of Gravel
Begin 1/2 Sub-base of Gravel

WILMINGTON VILLAGE

NO. *NYM 63-5*

SUMMARY SHEET No.

193.3

APPROXIMATE SUMMARY OF QUANTITIES				DETAILED SUMMARY OF QUANTITIES				TYPE OF ROAD ONE COURSE CEMENT CONCRETE PAVEMENT										
QUANTITIES	UNIT	ITEMS	ITEM NO.	QUANTITIES	UNIT	ITEMS	ITEM NO.	QUANTITIES	UNIT	ITEMS	STATIONS		PAVEMENT WIDTHS			EQUATIONS		
											From	To	20	21	22	+	-	
300	cu. yd.	Common Excavation	10	lin. ft.	12"	Cast Iron Pipe	48A	50	cu. yd.	Solid Rock Excavation	969+00.0	974+55.7	974+55.7	974+55.7	974+55.7	0.5		
	"	Solid Rock Excavation	10	"	15"	"	48B		Excavation as per Sections									
	"	Borrow	11	"	20"	"	48D		Culvert Excavation (incl. Factor) (Est)									
5200	"	Common Excavation incl. Borrow	10-11	"	24"	"	48E											
	"			"	30"	"	48F		"									
	"			"	36"	"	48G		"									
500	cu. yd.	Sub-base of Field or Quarry Stone	12A	1740 416 164	lin. ft.	12"	Reinforced Concrete Pipe (incl. 10% Overrun)	49A	250	"	Overrun							Bridge 79 ft
	"	Sub-base of Gravel	12B			"	15"	"	49B		"							
	"	Sub-base of Sand	12C			"	18"	"	49C	300	cu. yd.	TOTAL	989+00.0	994+00.0	994+00.0	994+00.0	994+00.0	
	"	Sub-base of Crushed Rock or Slag	12D			"	24"	"	49D		"		994+00.0	999+00.0	999+00.0	999+00.0	999+00.0	
5	days	Patrol Maintenance	13		"	30"	"	49E	2871	cu. yd.	Common Excavation incl. Borrow							
	"				"	48"	"	49F	1348	"	Earth Excavation							
	"				"		"	49G	237	"	Excavation as per Sections							
	"				"		"	49H		"	Borrow							
	"				"		"	49I		"	Culvert Excavation incl. Factor							
	"				"		"	49J		"	Underdrain Excavation incl. Factor							
	"				"		"	49K		"								
	"				"		"	49L		"								
	"				"		"	49M		"								
	"				"		"	49N		"								
	"				"		"	49O		"								
	"				"		"	49P		"								
	"				"		"	49Q		"								
	"				"		"	49R		"								
	"				"		"	49S		"								
	"				"		"	49T		"								
	"				"		"	49U		"								
	"				"		"	49V		"								
	"				"		"	49W		"								
	"				"		"	49X		"								
	"				"		"	49Y		"								
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	"				"		"	49Y		"								
	"				"		"	49Z		"								
	"				"		"	49A		"								
	"				"		"	49B		"								
	"				"		"	49C		"								
	"				"		"	49D		"								
	"																	

CURB DOWELLED TO PAVEMENT					
LEFT			RIGHT		
STA.	STA.	H'GT.	STA.	STA.	H'GT.
982+88.7	983+92.3	7"	969+0	982+46.9	7"
992+11.3	992+56.3	8"	984+47	985+56	6"
993+07.6	993+92	7"	985+73	986+12	6"
994+08.5	994+87	7"	987+16.5	988+07	6"
995+03	996+14	7"	988+95	989+06	6"
996+27	997+70	7"	989+19	989+47	6"
997+89	998+89	7"	989+66	991+42.3	6"
999+08	1001+25.5	7"	992+95	993+65	7"
1001+42	1001+95	7"	993+74	994+40	7"
1002+11	1004+05	7"	994+50	994+89.5	7"
1004+20	1004+77	7"	994+98	995+16	7"
1004+94	1005+48	7"	1008+54	1008+94	7"
1005+52	1006+41	7"			
1006+58	1006+90	7"			
1007+13	1008+75	7"			
1008+87.5	1009+65	7"			
1009+82	1010+39	7"			
1010+51	1011+88	7"			

GROUTED COBBLE GUTTER			
STA.		LENG.	
970+32	Rt.	22' x 6	
972+48	"	17' x 6	
974+77	"	19' x 5.5	
975+88	"	15' x 6	
1012+23	"	SEE SKETCH	

225

224.59

1351.50

224.29

220

1351.0

223.91

220

1341.50

223.46

220

1341.0

222.92

220

1331.50

222.35

220

1331.0

221.77

220

1321.50

221.20

220

1321.0

220.62

220

1311.50

PT. 1311.50
3' L

Woods

220

225.69

1401.0

225.55

220

1391.50

225.65

220

1391.0

225.35

220

1381.50

224.85

220

1381.0

225.15

220

1371.50

225.05

220

1371.0

224.95

220

1361.50

224.81

220

1361.0

BECOM AIRPORT - ROAD RELOCATION

STERNLEY

REVISION 1/10/50 BY B. H. H. H.

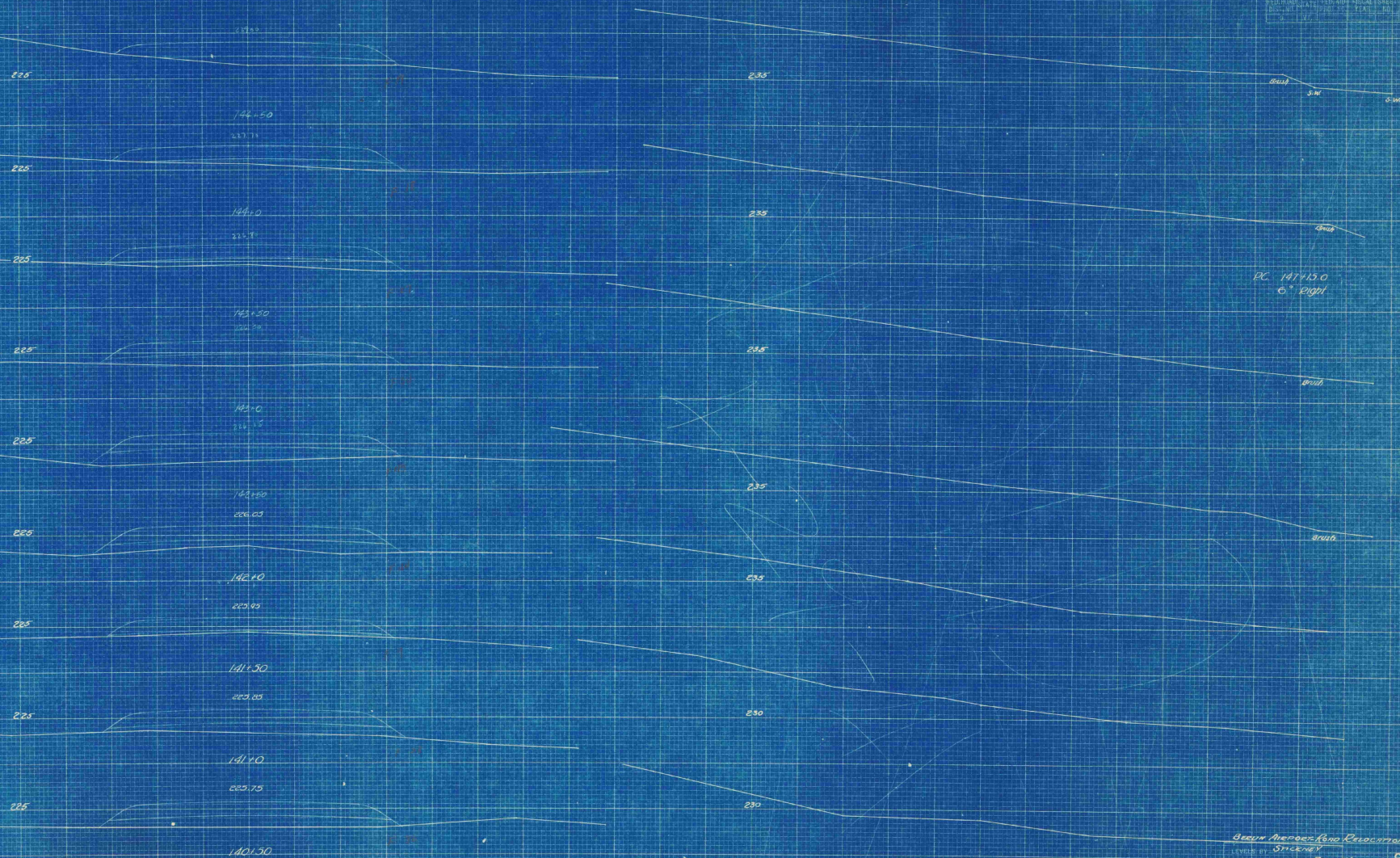
DRAWN BY

CHECKED BY

NO. 17 OF 22

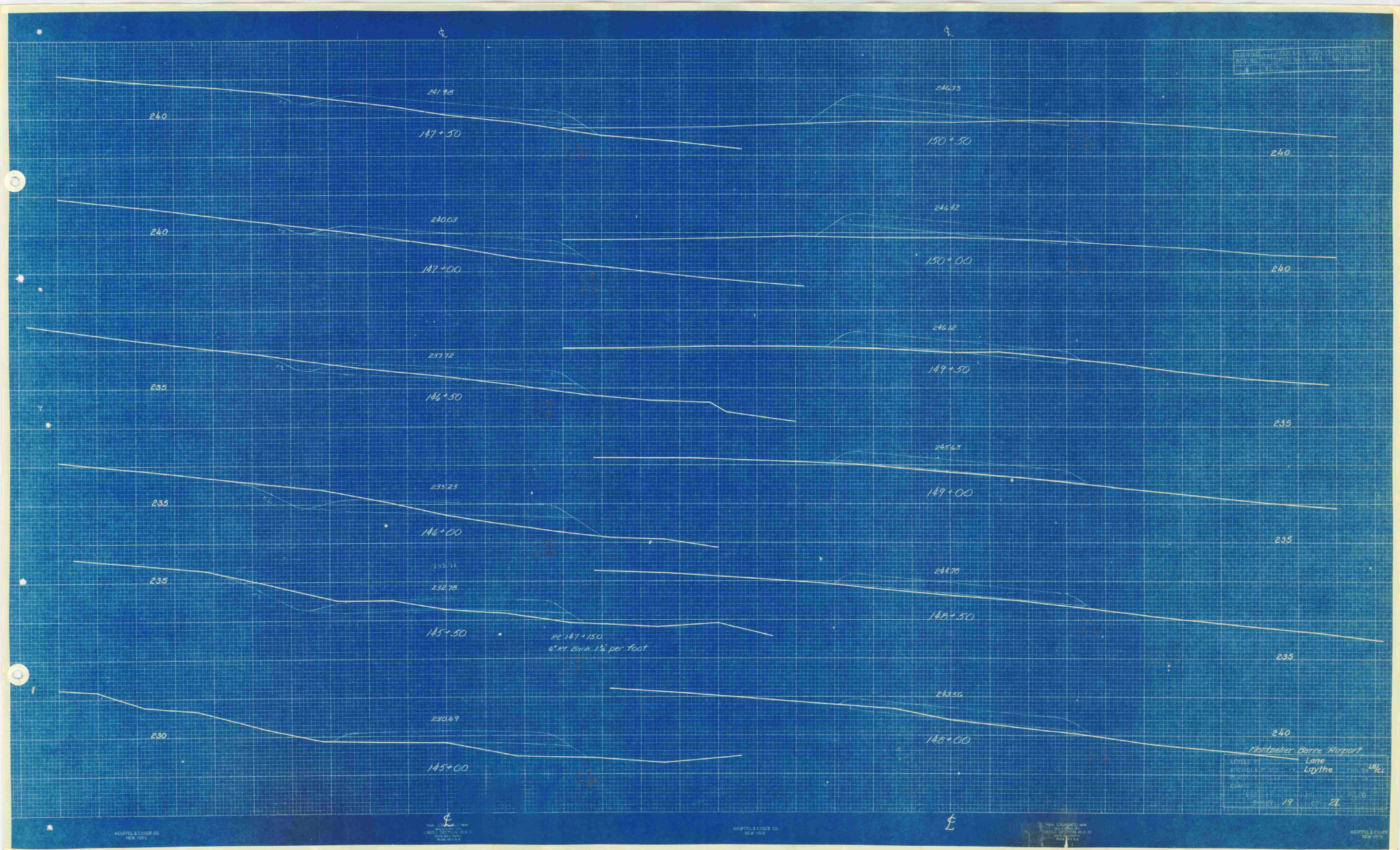
FIG. 17

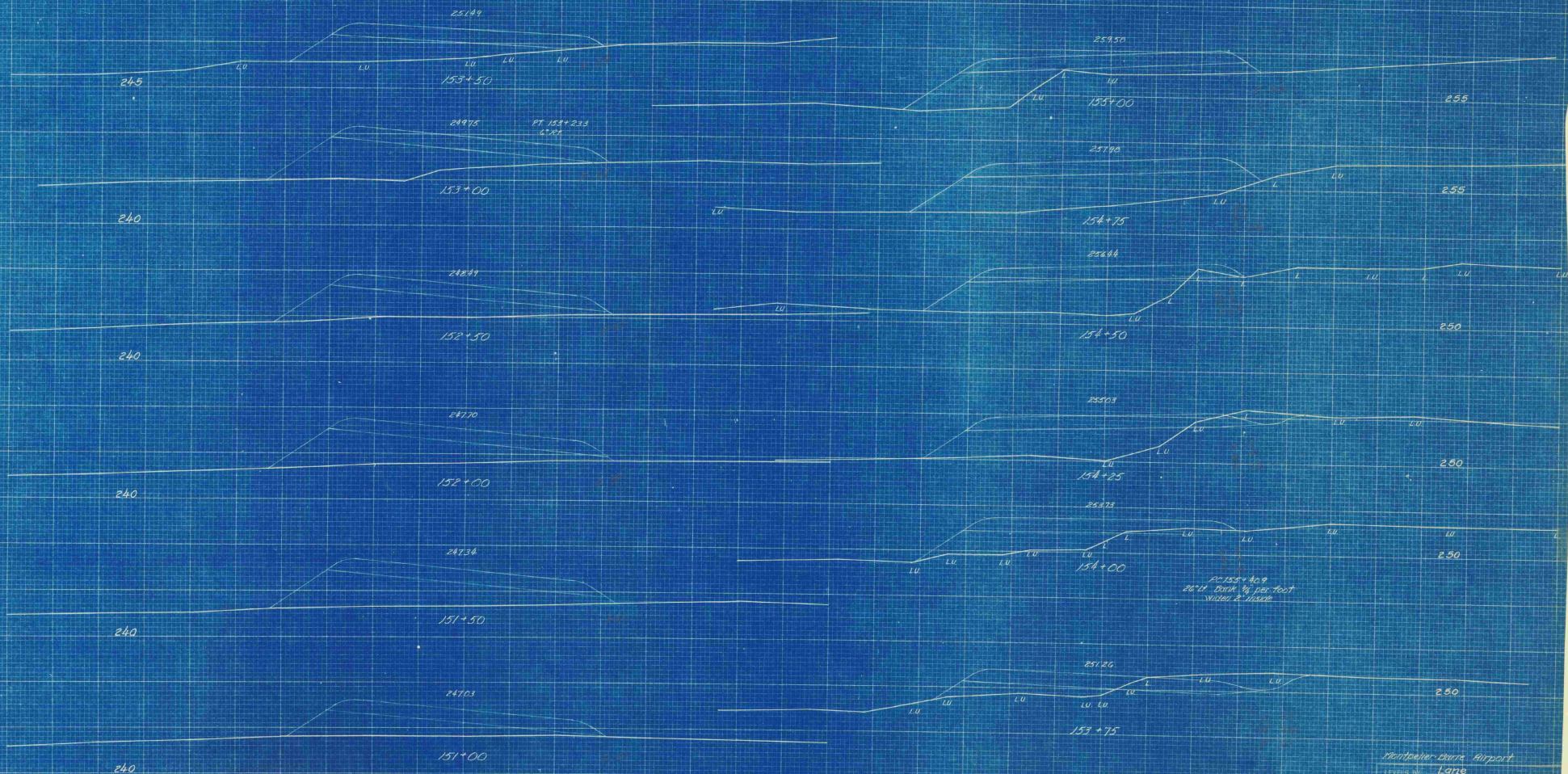
STANDARD MECHANICAL SPECIFICATIONS
FOR ELECTRICAL PROJECTS
1-3-1917



PC 147+15.0
6" Right

Given Members and Relocation
LEVEL BY: Stuckney
DATE: 10/1/17 BY: CH
DRAWN BY: CH
SERIES: 10 NO. 22 FILED





Receptor - charrs Airport
 Level 10
 Laythe
 20

