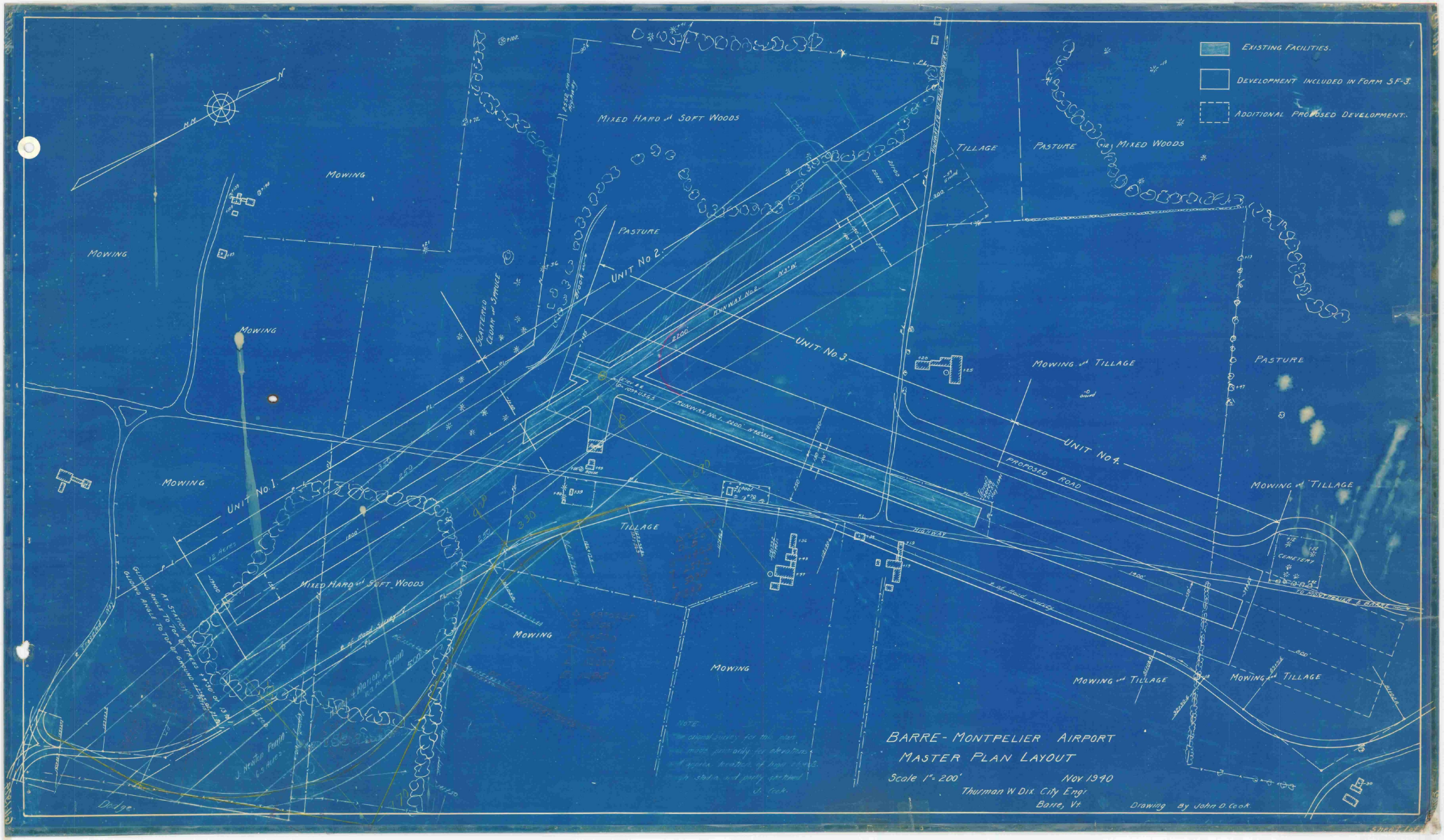
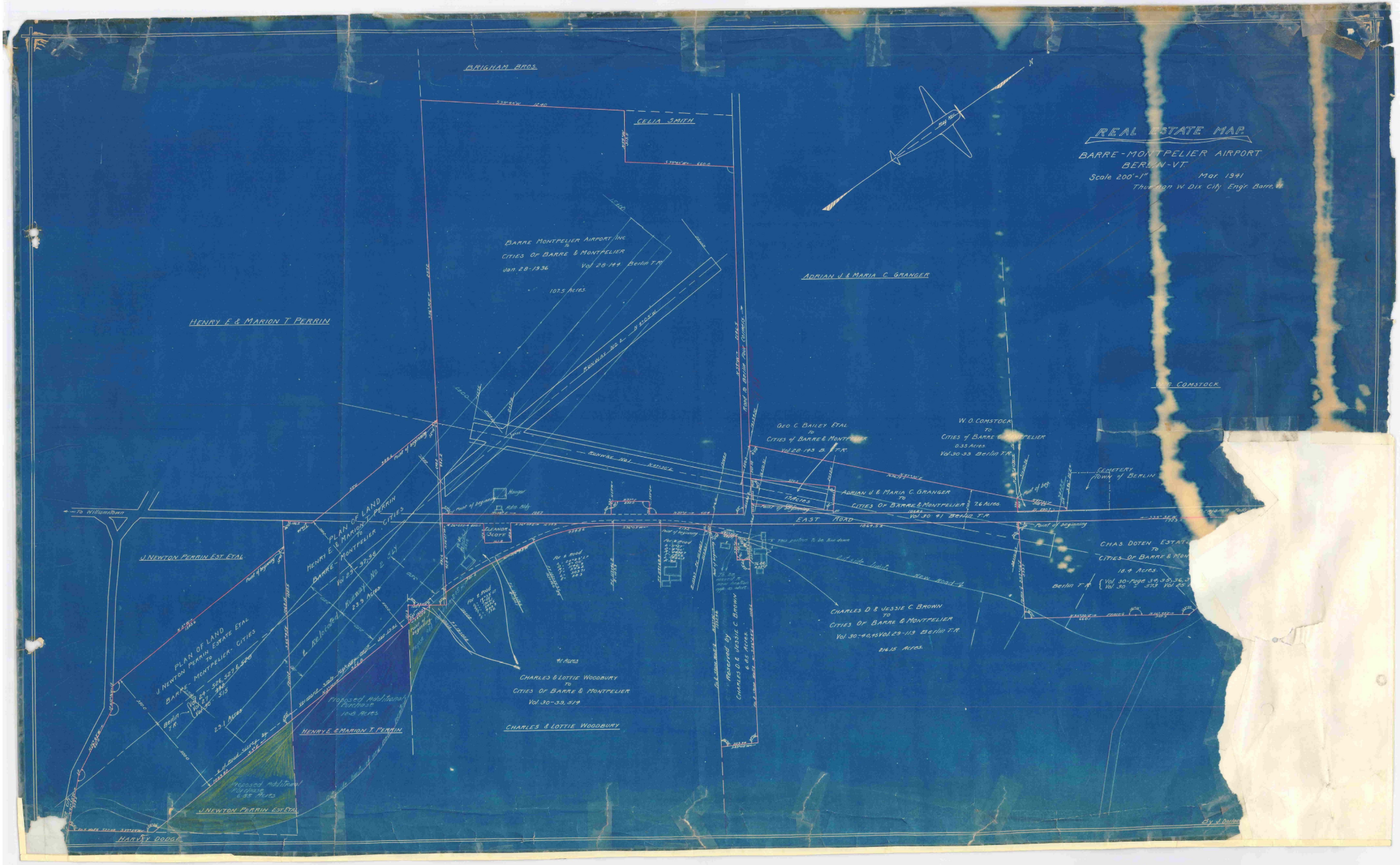
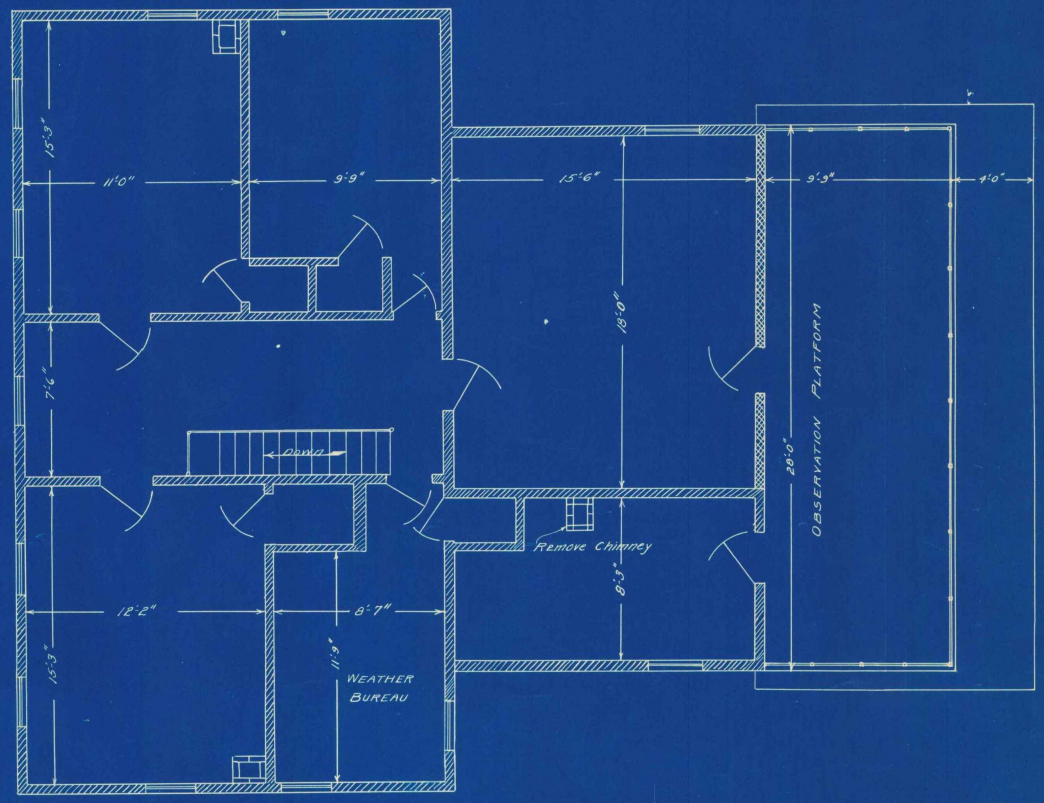

EXISTING FACILITIES.
DEVELOPMENT INCLUDED IN FORM SF-3.
ADDITIONAL PROPOSED DEVELOPMENT.
MIXED HARD and SOFT WOODS
MOWING
PASTURE
TILLAGE
MIXED WOODS
UNIT No. 1
UNIT No. 2
UNIT No. 3
UNIT No. 4
RUNWAY No. 1 2400' x 150'
RUNWAY No. 2 2200' x 150'
PROPOSED ROAD
HIGHWAY
CEMETERY
MOWING and TILLAGE
BARRE - MONTPELIER AIRPORT
MASTER PLAN LAYOUT
Scale 1" = 200'
Nov 1940
Thurman W Dix City Engr
Barre, Vt
Drawing by John O Cook


REAL ESTATE MAP
BARRE - MONTPELIER AIRPORT
BERLIN - VT.
Scale 200'-1"
Mar 1941
Thurman W Dix City Engr Barre, Vt
BRIGHAM BROS.
CELIA SMITH
HENRY E & MARION T PERRIN
ADRIAN U & MARIA C GRANGER
Barre Montpelier Airport Inc
to
Cities Of Barre & Montpelier
Jan. 28-1936 Vol 28-149 Berlin T.R.
107.5 Acres.
RUNWAY 18-36 3,000 FEET
RUNWAY 10-28 3,000 FEET
Geo C. Bailey Etal
to
Cities of Barre & Montpelier
Vol 28-193 Berlin T.R.
W. O. COMSTOCK
to
Cities of Barre & Montpelier
0.33 Acres
Vol 30-33 Berlin T.R.
CEMETERY
Town of Berlin
Adrian U & Maria C. Granger
to
Cities Of Barre & Montpelier
7.6 Acres.
Vol 30 41 Berlin T.R.
EAST ROAD
To Williamstown
J NEWTON PERRIN EST ETAL
PLAN OF LAND
J NEWTON PERRIN ESTATE ETAL
BARRE - MONTPELIER - CITIES
Berlin T.R.
2.1 Acres
PLAN OF LAND
HENRY E & MARION T PERRIN
TO
BARRE - MONTPELIER - CITIES
Vol 29-327-328
Berlin T.R.
2.3 Acres
L. REYNOLDS
ELEANOR SCOTT
Proposed Additional Purchase 10.8 Acres
Proposed additional Purchase 0.35 Acres
HENRY E & MARION T PERRIN
CHARLES & LOTTIE WOODBURY
to
Cities Of Barre & Montpelier
Vol 30-39, 519
CHARLES & LOTTIE WOODBURY
Reserved by
CHARLES D & JESSIE C BROWN
& ASSIGNS
CHARLES D & JESSIE C. BROWN
to
Cities Of Barre & Montpelier
Vol 30-40,45 Vol 29-113 Berlin T.R.
114.15 Acres.
CHAS. DOTEN ESTATE
to
Cities Of Barre & Montpelier
18.4 Acres
Berlin T.R.
HARVEY DODGE



ADMINISTRATION BUILDING

BARRE - MONTPELIER AIRPORT

SECOND FLOOR PLAN.

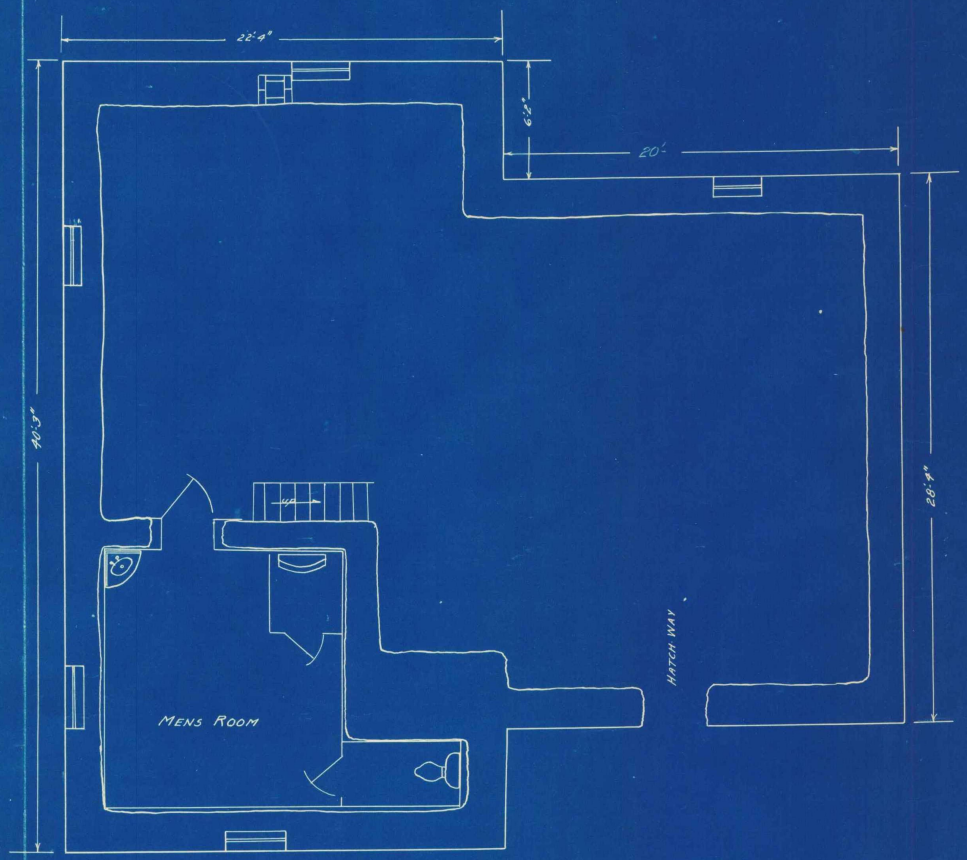
Scale 1'-4' Dec. 1940

APPROVED { W.P.A.
N.O.EAST AIR LINES
B.&M. AIRPORT COMM.

Traced by J Dorloc Cook A.E.

APPROVED { N.O.EAST AIR LINES.
B.&M. AIRPORT COMM.

Traced by J Dorloc Cook A.E.



ADMINISTRATION BUILDING

BARRE - MONTPELIER AIRPORT

BASEMENT PLAN

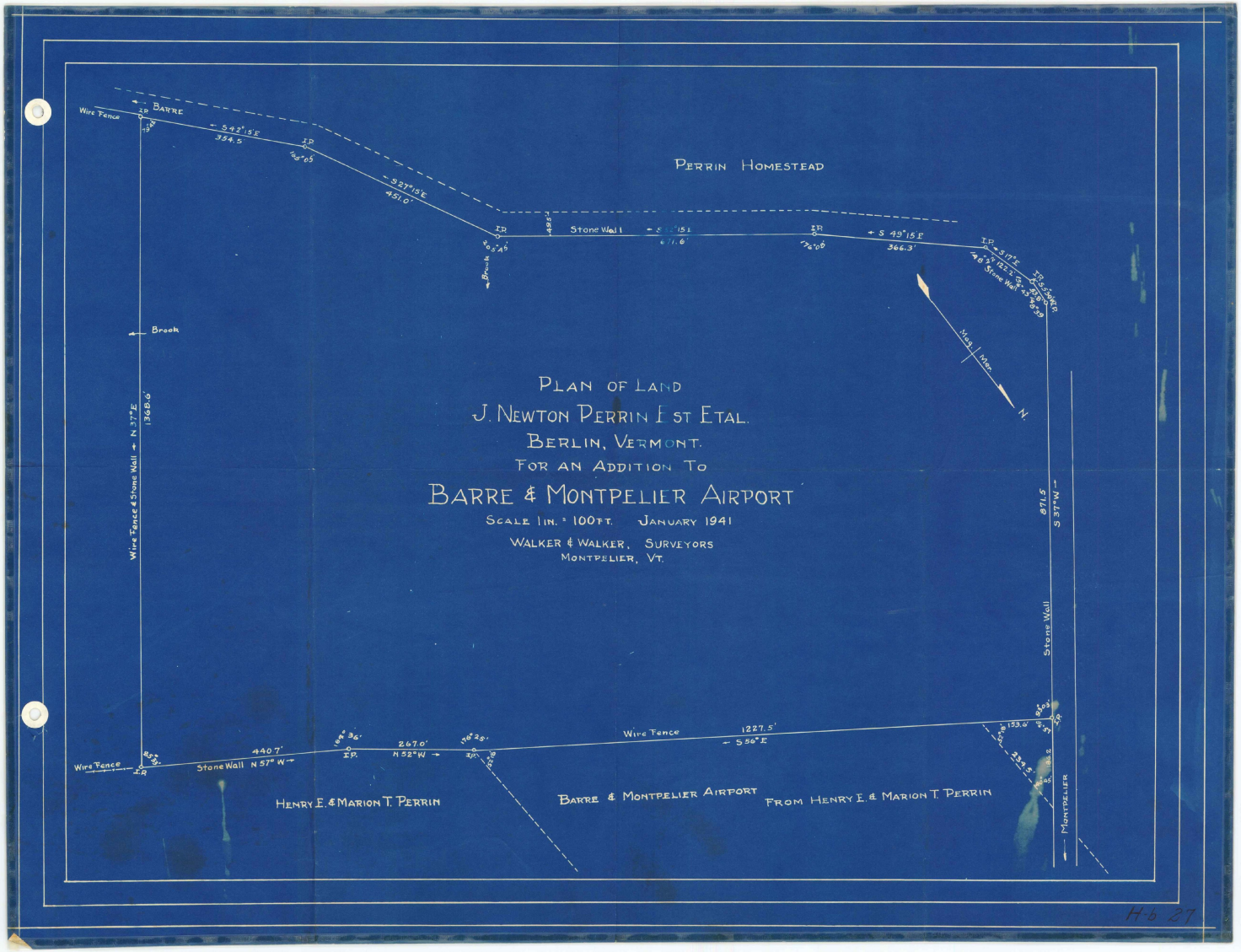
Scale 1"=4' Dec. 1940

Designed by - T.W.Dix.

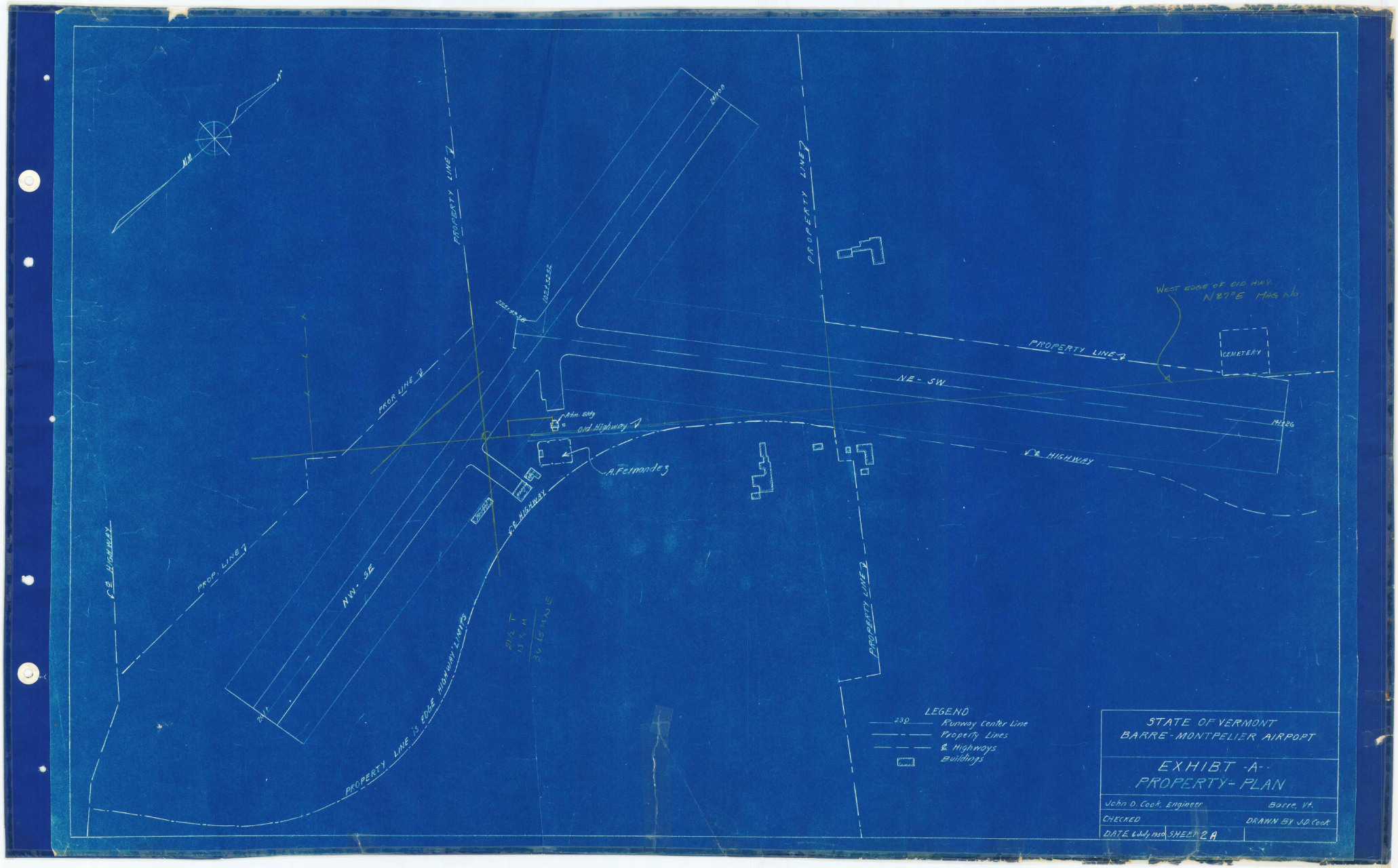
APPROVED { W.P.A. / No. EAST AIR LINES / B.&M. AIRPORT COMM.

Traced by J.L.Cook A.E.

Traced by J.L.Cook A.E.


PERRIN HOMESTEAD
Wire Fence
I.P.
BARRE
S 42° 15' E
354.5
I.P.
146° 05'
S 27° 15' E
451.0'
I.P.
Brook
Stone Wall
S 49° 15' E
366.3'
I.P.
Stone Wall
I.P.
S.S.CORNER
Mass. Mon.
N.
Brook
Wire Fence & Stone Wall N 37° E
1368.6'
PLAN OF LAND
J. NEWTON PERRIN ET ST ETAL.
BERLIN, VERMONT.
FOR AN ADDITION TO
BARRE & MONTPELIER AIRPORT
SCALE 1 IN. = 100 FT. JANUARY 1941
WALKER & WALKER, SURVEYORS
MONTPELIER, VT.
971.5
S 37° W
Stone Wall
Wire Fence
Stone Wall N 57° W
440.7'
I.P.
267.0'
N 52° W
I.P.
Wire Fence
1227.5'
S 56° E
133.0'
332.5'
MONTPELIER
HENRY E. & MARION T. PERRIN
BARRE & MONTPELIER AIRPORT
FROM HENRY E. & MARION T. PERRIN

H-6 27

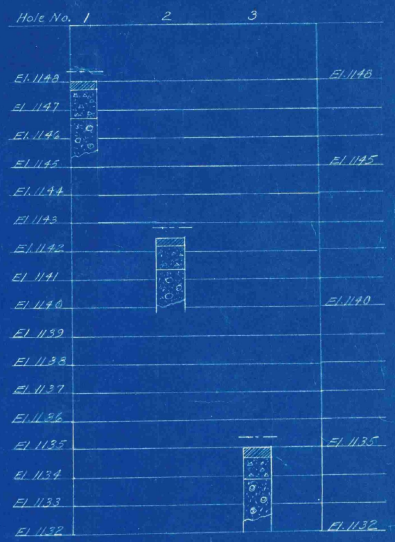

PROPERTY LINE
PROPERTY LINE
PROPERTY LINE
PROPERTY LINE
PROPERTY LINE
PROP. LINE
PROP. LINE
U.S. HIGHWAY
U.S. HIGHWAY
U.S. HIGHWAY
U.S. HIGHWAY
NE - SW
NW - SE
Old Highway
Adm. Bldg
A. Fernandez
CEMETERY
WEST EDGE OF OLD HWY.
N 8°7° E MAG. No
PROPERTY LINE IS EDGE HIGHWAY LIMITS
LEGEND
Runway Center Line
Property Lines
U.S. Highways
Buildings
STATE OF VERMONT
BARRE - MONTPELIER AIRPORT
EXHIBIT -A-
PROPERTY - PLAN
John D. Cook, Engineer
Barre, Vt.
CHECKED
DRAWN BY J.D. Cook
DATE 6 July 1950
SHEET 2A

SOIL ANALYSIS AND CLASSIFICATION FROM LABORATORY TESTS

SOIL GROUP NO. IN LAB.	CLASSIFICATION	SOIL IDENTITY	Retained on No. 10 Sieve	LIQUID LIMIT	PLASTICITY INDEX	Pass #10 Ret. #40	Pass #40 Ret. #270	Pass #270
1	E-1	Coarse gravel	53.5	24.4	0.2	78.0	11.0	11.0
2	E-6	Clayey coarse soil	14.3	26.2	10.0	20.0	20.0	60.0
3	E-1		55.0	27.2	3.6	51.0	23.0	26.0
4	E-6		11.3	26.2	5.5	15.0	23.0	62.0
5	E-1		60.0	24.8	3.0	69.5	15.5	15.0
6	E-6		23.3	27.7	7.8	22.0	26.0	7.8

NOTE:- Borings made and samples taken during month of April 1950

SOIL BORINGS

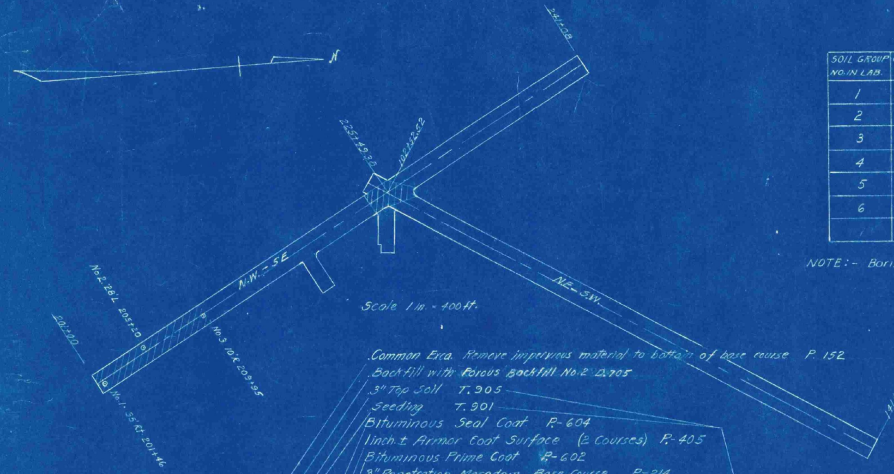


Bituminous Concrete Pavement

E-1 Coarse Gravel

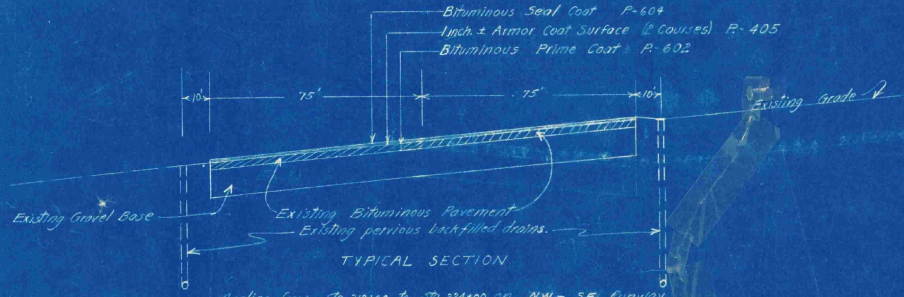
E-6 Clayey, coarse soil

---- Finished grade shown on chart.



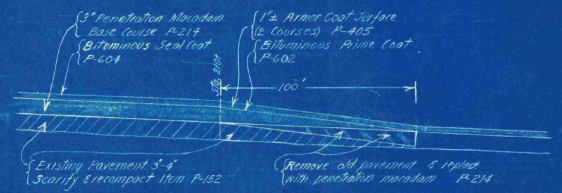
TYPICAL SECTION

Applies from Sta 201+00 to Sta 210+00. N.W.-S.E. Runway
Sta 224+00 to Sta 227+00 on N.W.-S.E. Runway, the 150 ft paved area only applies.



TYPICAL SECTION

Applies from Sta 210+00 to Sta 224+00 on NW-SE Runway.
Applies from Sta 227+00 to Sta 241+08. on NW-SE. Runway



TYPICAL SECTION of TRANSITION

Applies Sta 210+00 to 211+00, Sta 223+00 to 224+00
& Sta 227+00 to 228+00 on the NW-SE Runway
Applies Sta 104+65 to 105+65 on the NE-SW Runway

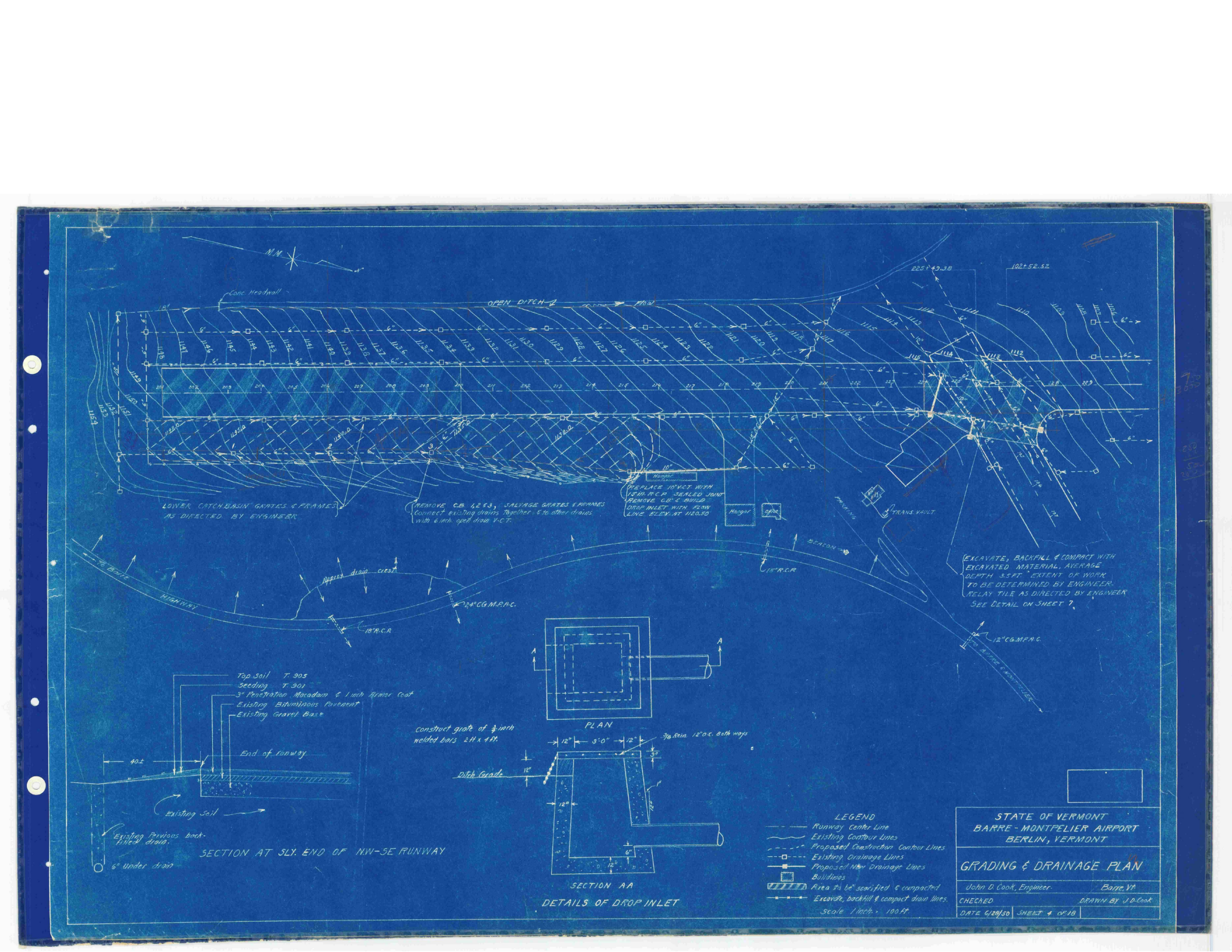
STATE OF VERMONT
BARRE-MONTPELIER AIRPORT
BERLIN, VERMONT.

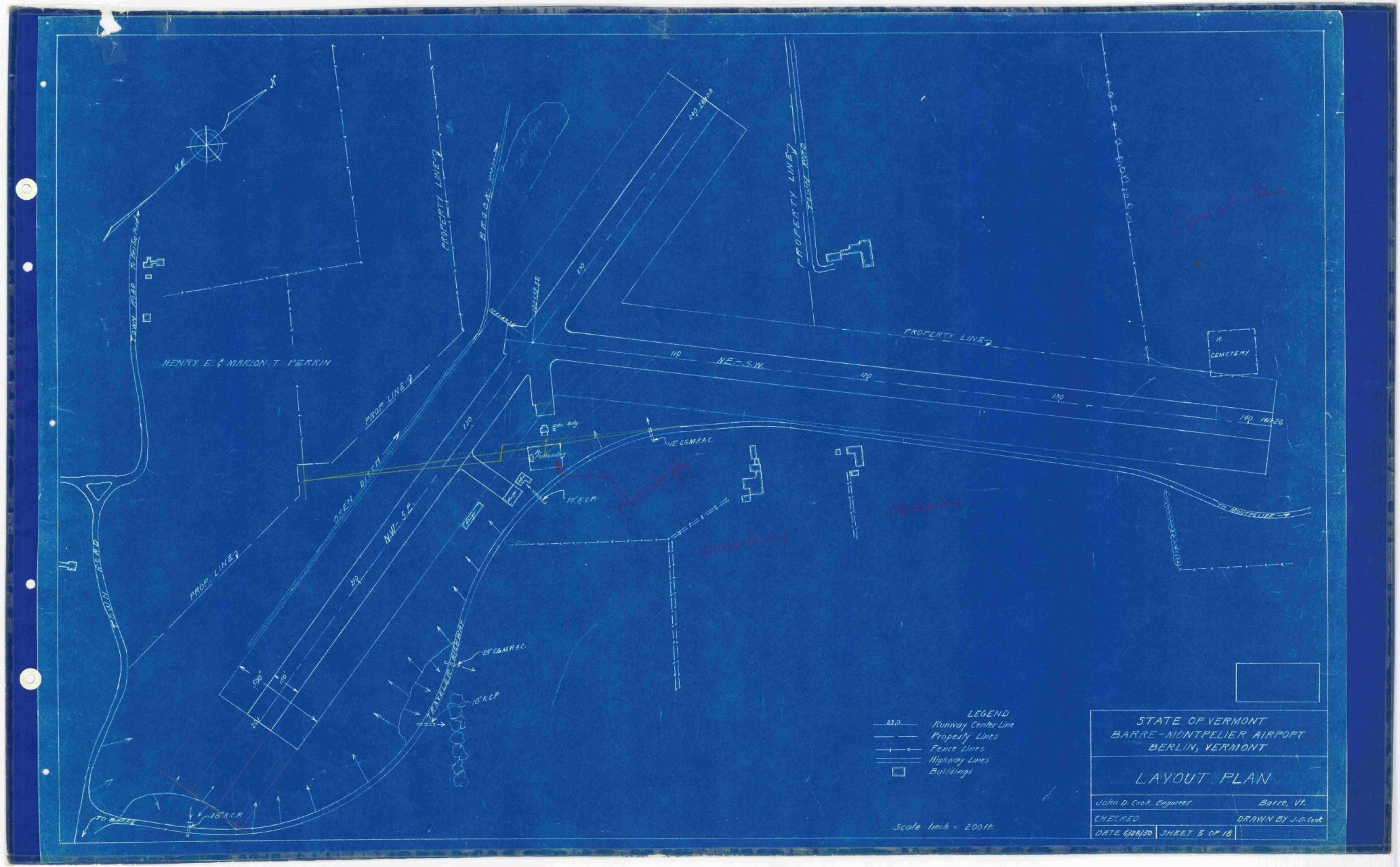
LOG OF BORINGS TYPICAL SECTIONS

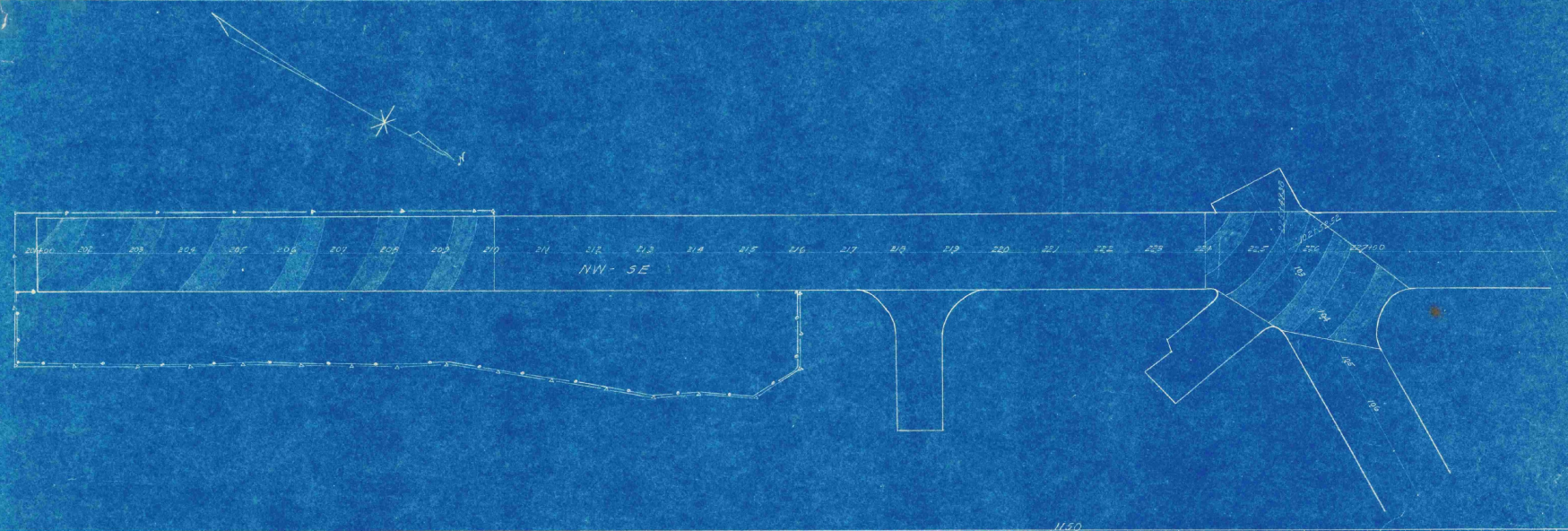
John D. Cook, Engr. Barre, Vt.

CHECKED DRAWN BY J.D. Cook

DATE 6/28/50 SHEET 3 of 18


M.N.
Conc. Headwall
OPEN DITCH
Flow
LOWER CATCH BASIN GRATES & FRAMES AS DIRECTED BY ENGINEER
REMOVE C.B. 4283, SALVAGE GRATES & FRAMES
Connect existing drains Together & to other drains with 6 inch open drain V.C.T.
REPLACE 10" V.C.T. WITH 15" R.C.P. SEALED JOINT
REMOVE C.B. & BUILD DROP INLET WITH FLOW LINE ELEV. AT 1120.50
Hangar
Office
TRANS. VAULT
PAVING
BEACON
EXCAVATE, BACKFILL & COMPACT WITH EXCAVATED MATERIAL, AVERAGE DEPTH 3.5 FT. EXTENT OF WORK TO BE DETERMINED BY ENGINEER. RELAY TILE AS DIRECTED BY ENGINEER
SEE DETAIL ON SHEET 7.
To Bowie Highway
Approx drain crest
24" CG.M.P.A.C.
18" R.C.P.
15" R.C.P.
12" CG.M.P.A.C.
TO ADJACENT WATERWAYS
Top Soil T. 905
Seeding T. 901
3" Penetration Macadam & 1 inch Armor Coat
Existing Bituminous Pavement
Existing Gravel Base
End of runway
40±
Existing Soil
Existing Pervious back-filled drain.
6" Under drain
SECTION AT SLY. END OF NW-SE RUNWAY
Construct grate of ½ inch welded bars 2 ft. x 4 ft.
PLAN
A
A
12"
3'-0"
12"
⅜ Rein. 12" o.c. Both ways
3"
Ditch Grade
12"
12"
1'
6"
12"
SECTION AA
DETAILS OF DROP INLET
LEGEND
Runway Center Line
Existing Contour Lines
Proposed Construction Contour Lines
Existing Drainage Lines
Proposed New Drainage Lines
Buildings
Area to be scarified & compacted
Excavate, backfill & compact drain lines.
Scale 1 inch = 100 ft.
STATE OF VERMONT
BARRE - MONTPELIER AIRPORT
BERLIN, VERMONT
GRADING & DRAINAGE PLAN
John D. Cook, Engineer. Barre, Vt.
CHECKED
DRAWN BY J.D. Cook
DATE 6/28/50
SHEET 4 OF 18


HENRY E. & MARION T. PERRIN
PROPERTY LINE
BROAD
PROPERTY LINE
MAIN ROAD TO BARRE
PROP. LINE
OPEN DITCH
N.W.-S.E.
PROP. LINE
FERRIN ROAD
TO BARRE
18" R.C.P.
TRAVELED ROADWAY
24" C.G.M.P.A.C.
18" R.C.P.
15" R.C.P.
12" C.G.M.P.A.C.
Pumphouse
Elec. Entry
Elec.
PROPERTY LINE
110
N.E.-S.W.
120
130
140
CEMETERY
TO MONTPELIER
230
500'
150
24
LEGEND
Runway Center Line
Property Lines
Fence Lines
Highway Lines
Buildings
Scale Inch = 200 ft.
STATE OF VERMONT
BARRE-MONTPELIER AIRPORT
BERLIN, VERMONT
LAYOUT PLAN
John D. Cook, Engineer
Barre, Vt.
CHECKED
DRAWN BY J.D.Cook
DATE 6/28/50
SHEET 5 OF 18

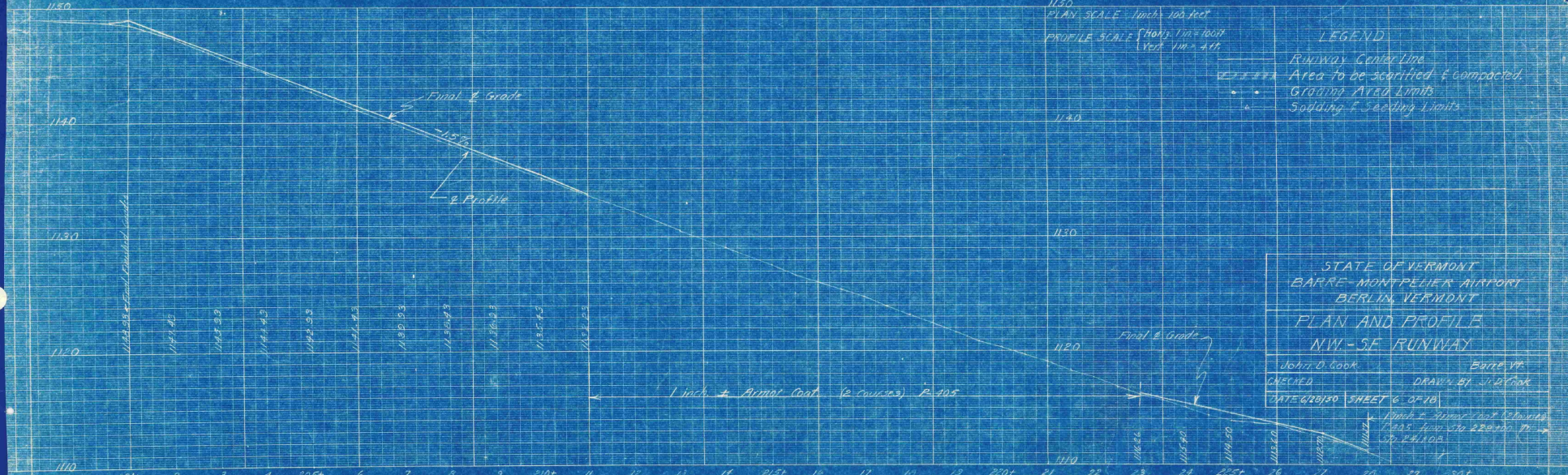


PLAN SCALE: 1 inch = 100 feet

PROFILE SCALE { Horiz. 1 in = 100 ft
Vert. 1 in = 4 ft

LEGEND

Runway Center Line
Area to be scarified & compacted
Grading Area Limits
Sodding & Seeding Limits



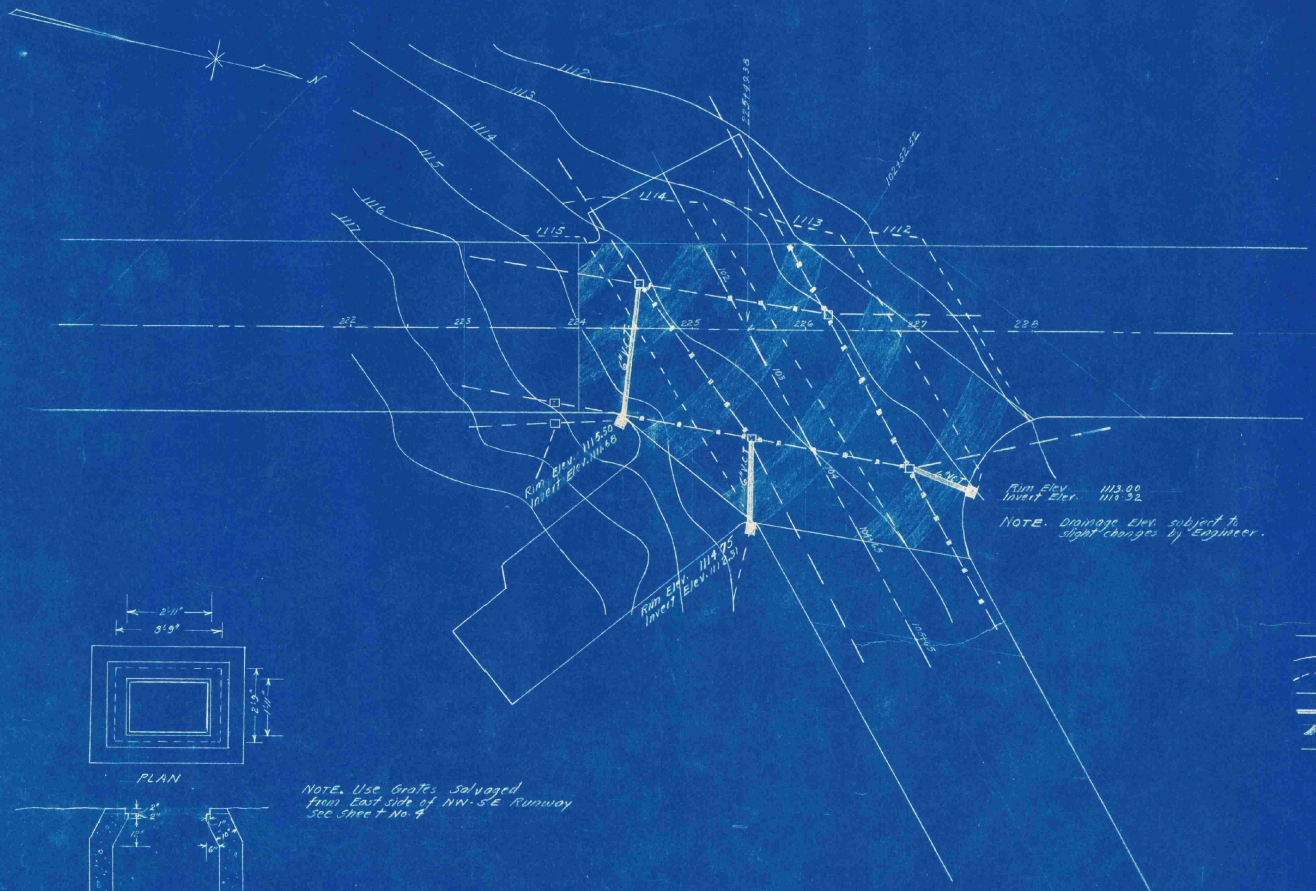
STATE OF VERMONT
BARRE-MONTPELIER AIRPORT
BERLIN, VERMONT

PLAN AND PROFILE
NW.-SE. RUNWAY

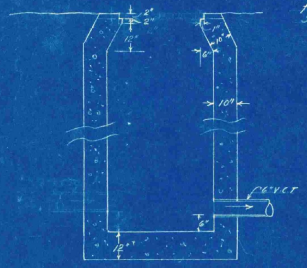
John O. Cook	Barre Vt.
CHECKED	DRAWN BY J.O.Cook
DATE 6/28/50	SHEET 6 OF 16

1 inch ± Armor Coat elevations
P-205 Jump Sta 229+00 Pt →
Sta 224+08

KEUFFEL & ESSER CO. NEW YORK



NOTE. Use Grates salvaged from East side of NW-SE Runway See Sheet No. 9



DETAILS OF CATCH BASIN

LEGEND

- Runway Center Line
- Existing Contours
- Proposed Construction Contours
- Existing Drainage Lines
- Proposed New Drainage & Catch basins
- Area to be scarified & compacted
- Excavate, backfill & compact drain lines; relay tile as directed by Engineer

Scale 1 inch = 50 ft.

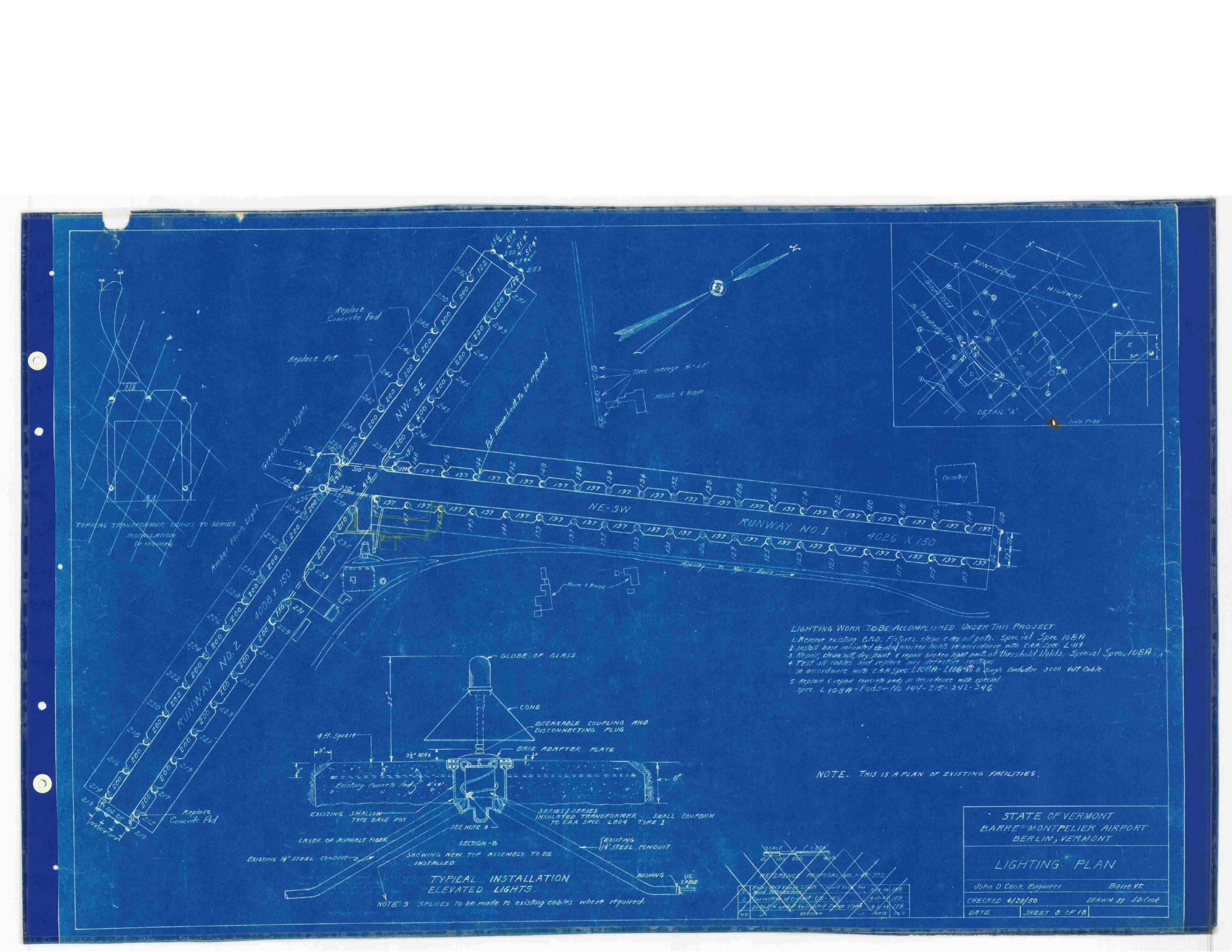
STATE OF VERMONT
BARRE-MONTPELIER AIRPORT
BERLIN, VERMONT

PLAN AT INTERSECTION

John D. Cook, Engineer — Barre, Vt.

CHECKED — DRAWN BY J.D. Cook

DATE 6/20/50 | SHEET 7 OF 18



LIGHTING WORK TO BE ACCOMPLISHED UNDER THIS PROJECT

1. Remove existing L.M.D. Fixtures, clean & any oil pots. Special Spec. 108A
2. Install base mounted elevated marker lights in accordance with C.A.A. Spec. L-119
3. Repair, clean out, dry paint & repair broken light units of Threshold Lights, Special Spec. 108A
4. Test all cables and replace any defective ones in accordance with C.A.A. Spec. L108A-L108 No. 8 Single Conductor 3000 Volt Cable.
5. Replace & repair concrete pads in accordance with special spec. L 108A - Fades - No. 144 - 215 - 242 - 246

NOTE. THIS IS A PLAN OF EXISTING FACILITIES.

D	Replacing 4 Runway Lights and Sign for Wind Tee Section	4-10-50	JEB
E	Relocation of Segment (2)	4-10-50	JEB
F	Details of wind Tee and Base Lights	4-10-50	JEB
NO.	REVISION	DATE	BY

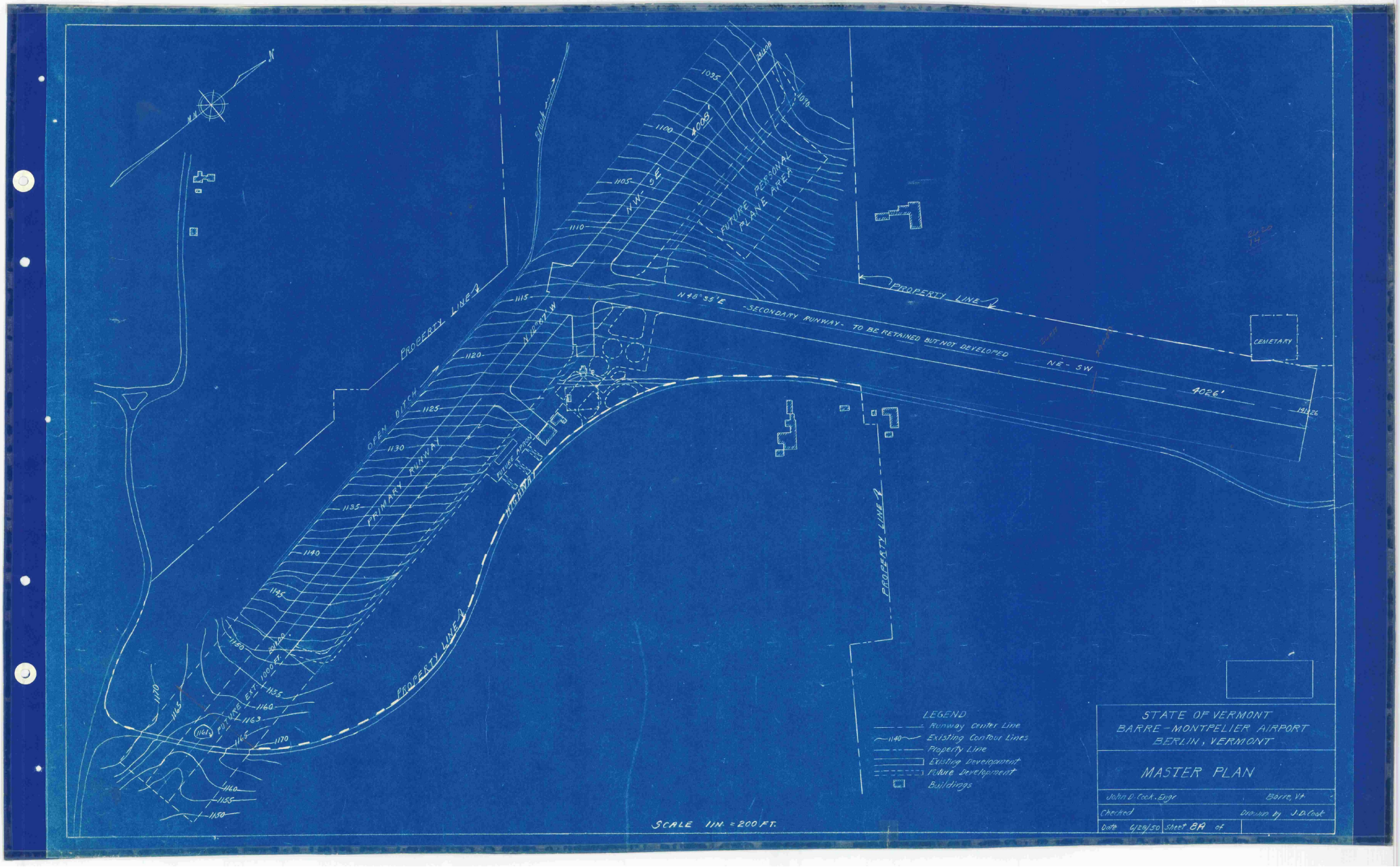
STATE OF VERMONT
BARRE-MONTPELIER AIRPORT
BERLIN, VERMONT

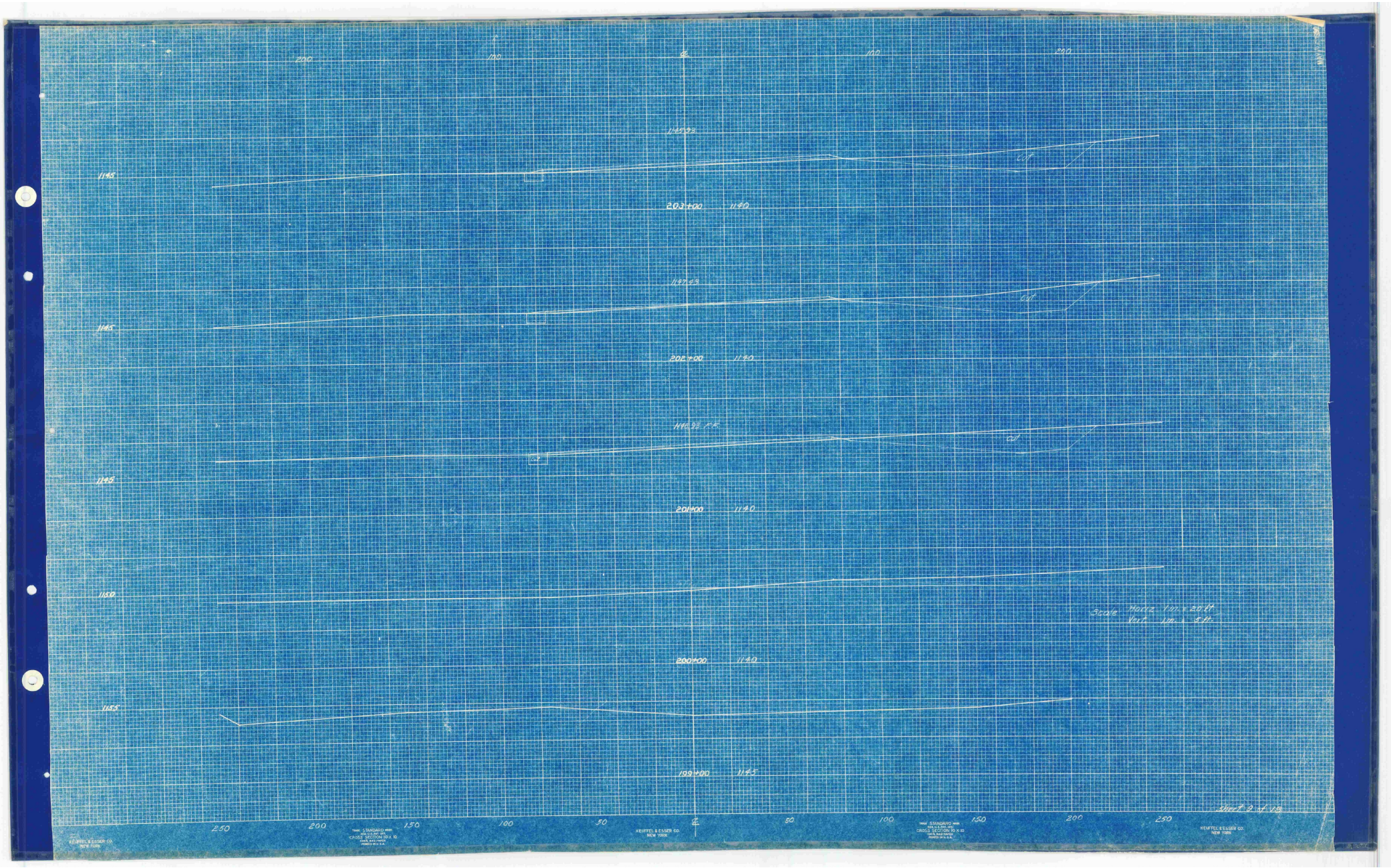
LIGHTING PLAN

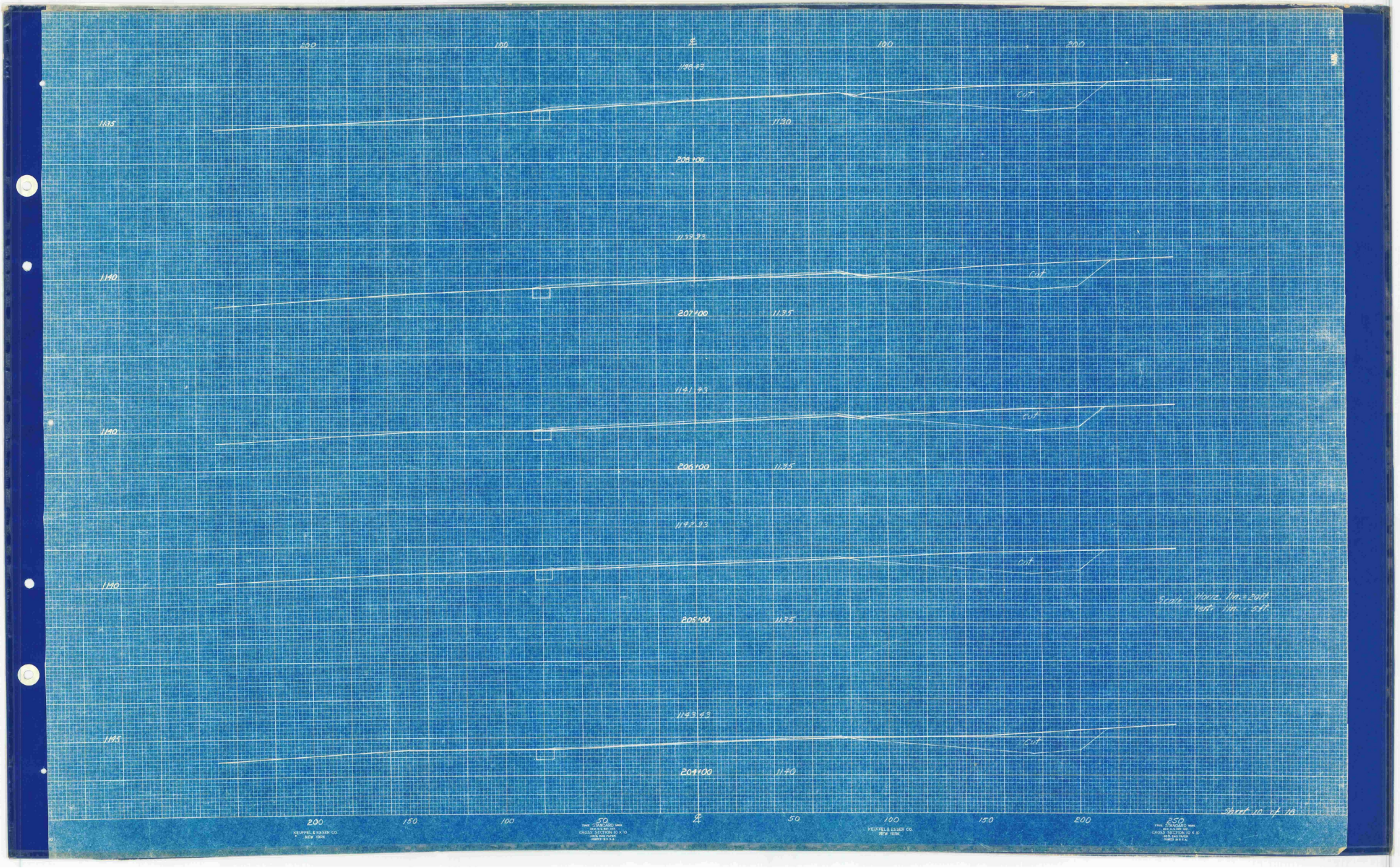
John D Cook, Engineer — Barre, Vt.

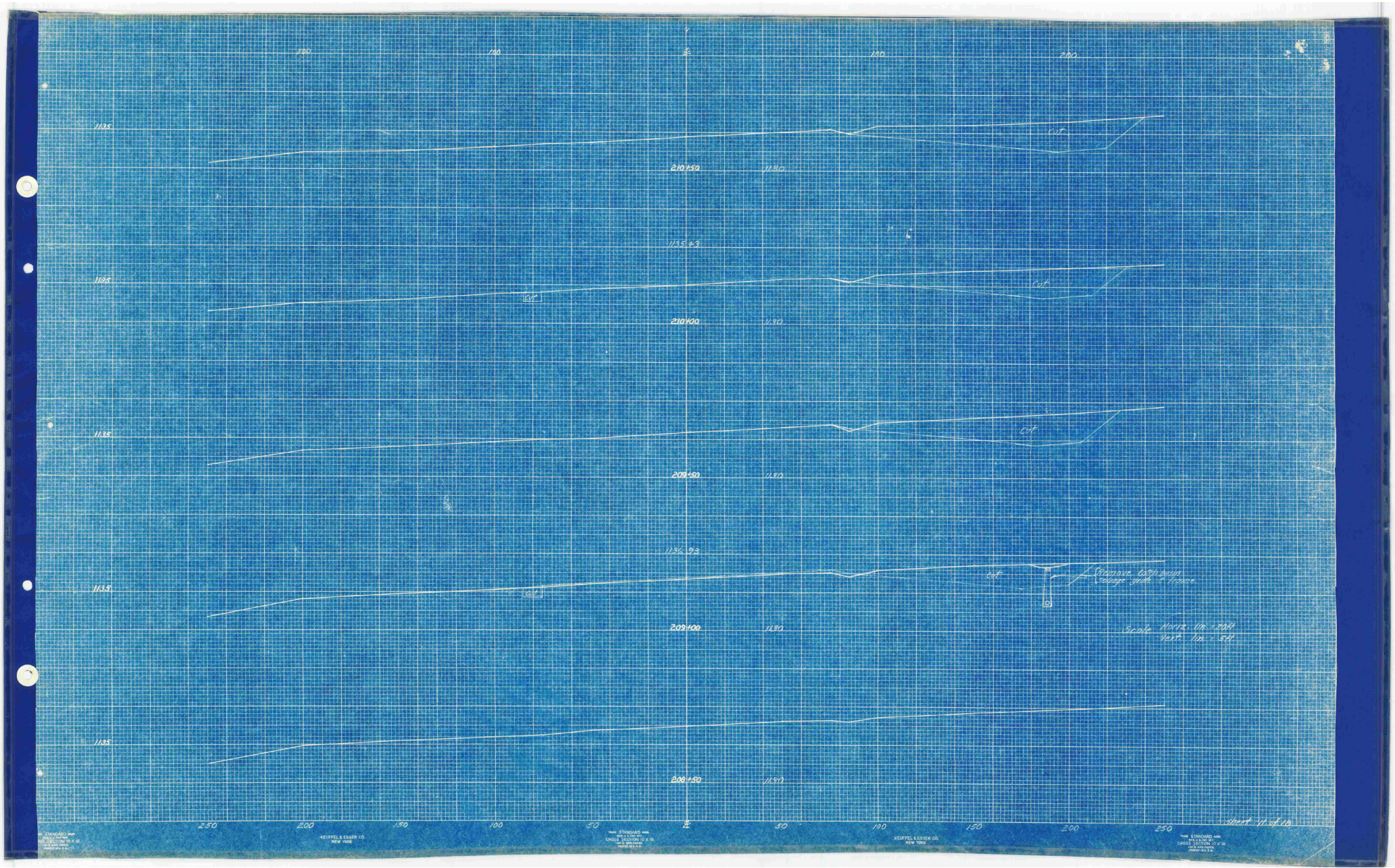
CHECKED 6/28/50 — DRAWN BY J.D.Cook

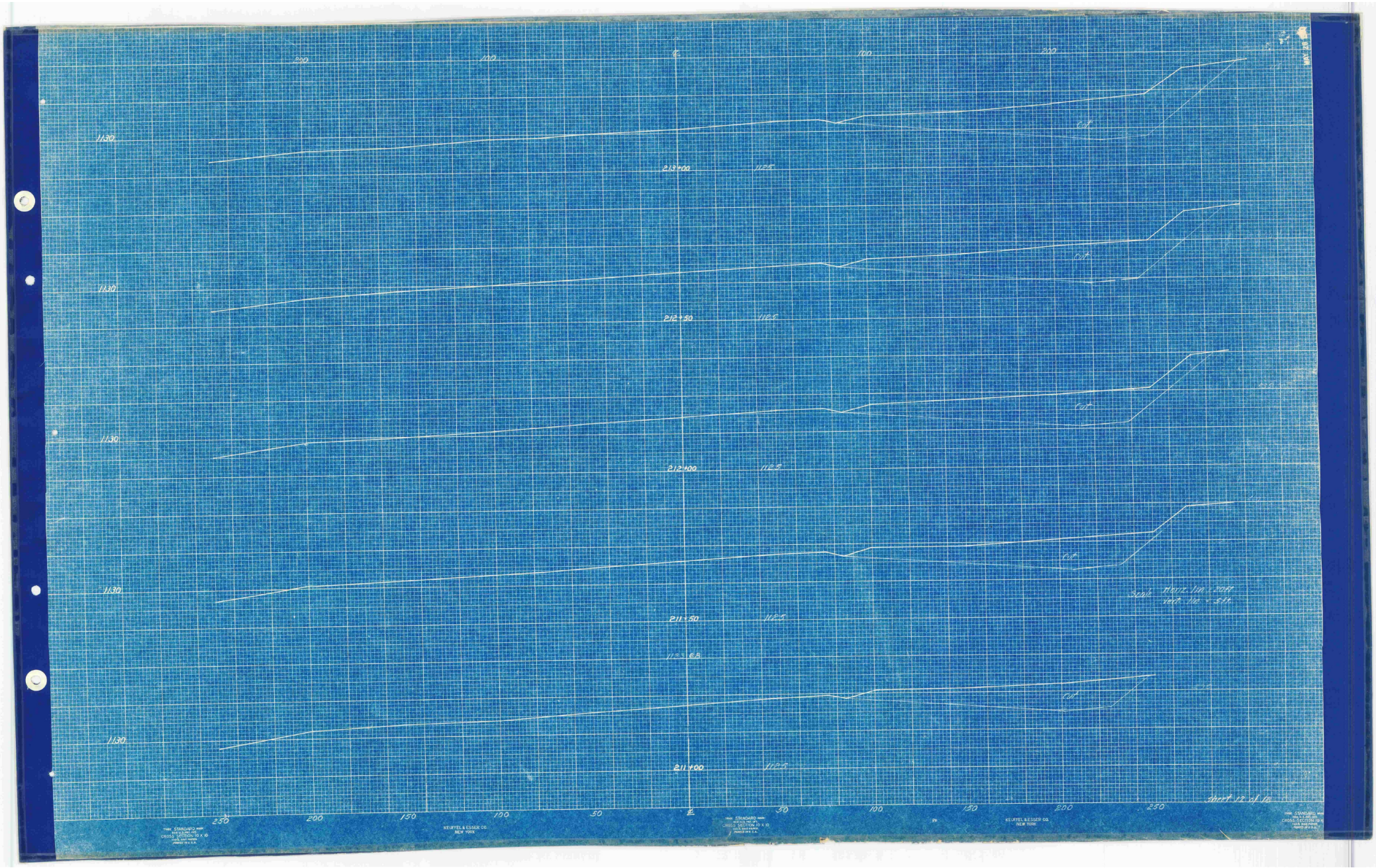
DATE — SHEET 8 OF 18

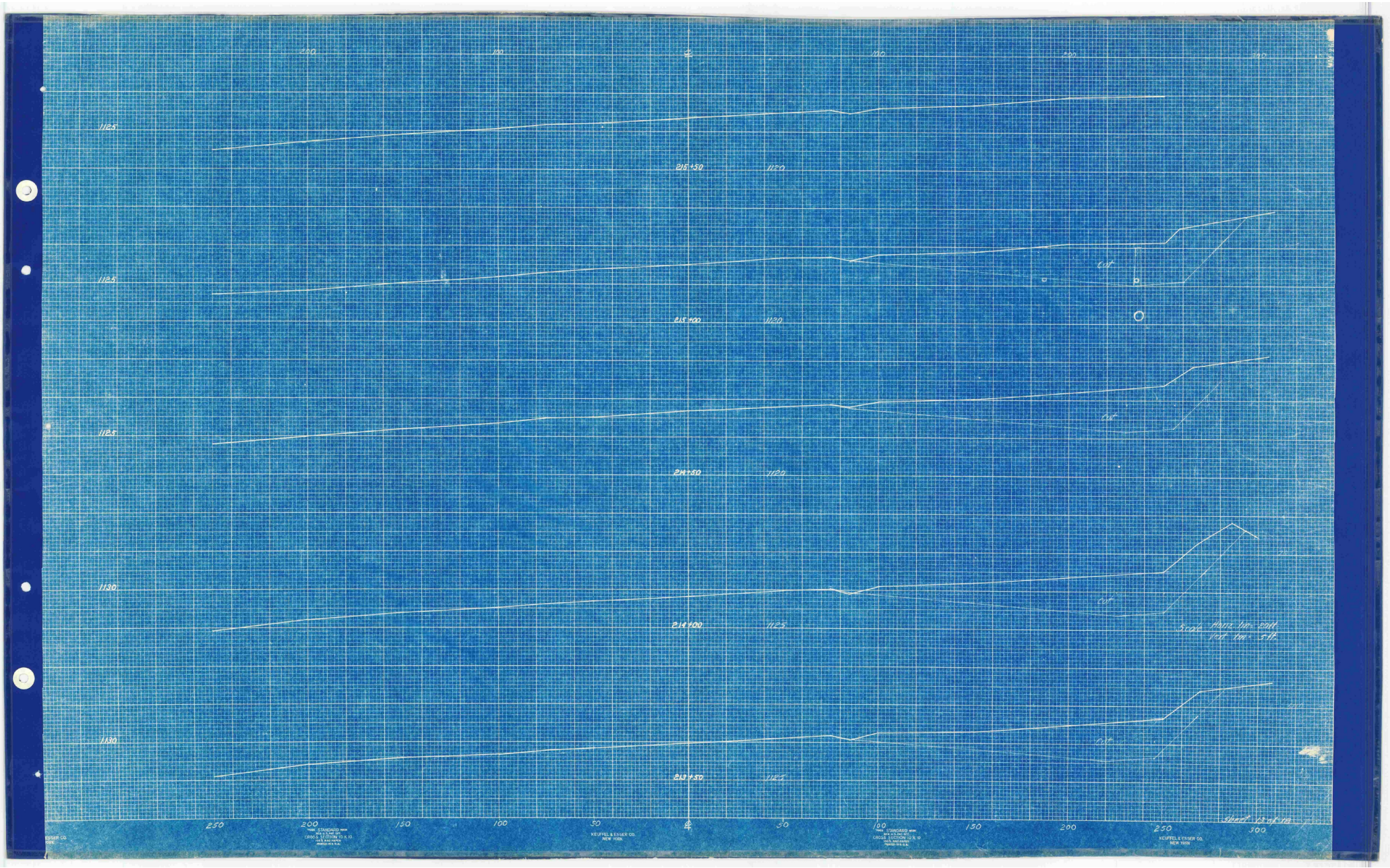

N
PROPERTY LINE
STREAM
1035
1070
1100
4008'
1105
N.W.-S.E.
FUTURE PERSONAL PLANE AREA
1110
PROPERTY LINE
1115
N 48° 55' E - SECONDARY RUNWAY - TO BE RETAINED BUT NOT DEVELOPED - N.E. - S.W.
CEMETERY
4026'
N.E.-S.W.
1120
OPEN DITCH
1125
1130
PRIMARY RUNWAY
1135
1140
1145
2000'
1000 Ft.
EXT.
1150
1155
1160
1163
1165
1170
PROPERTY LINE
PROPERTY LINE
LEGEND
Runway Center Line
1140 Existing Contour Lines
Property Line
Existing Development
Future Development
Buildings
SCALE 1 IN. = 200 FT.
STATE OF VERMONT
BARRE-MONTPELIER AIRPORT
BERLIN, VERMONT
MASTER PLAN
John D. Cook, Engr
Barre, Vt.
Checked
Drawn by J.D.Cook
Date 6/29/50
Sheet 8A of

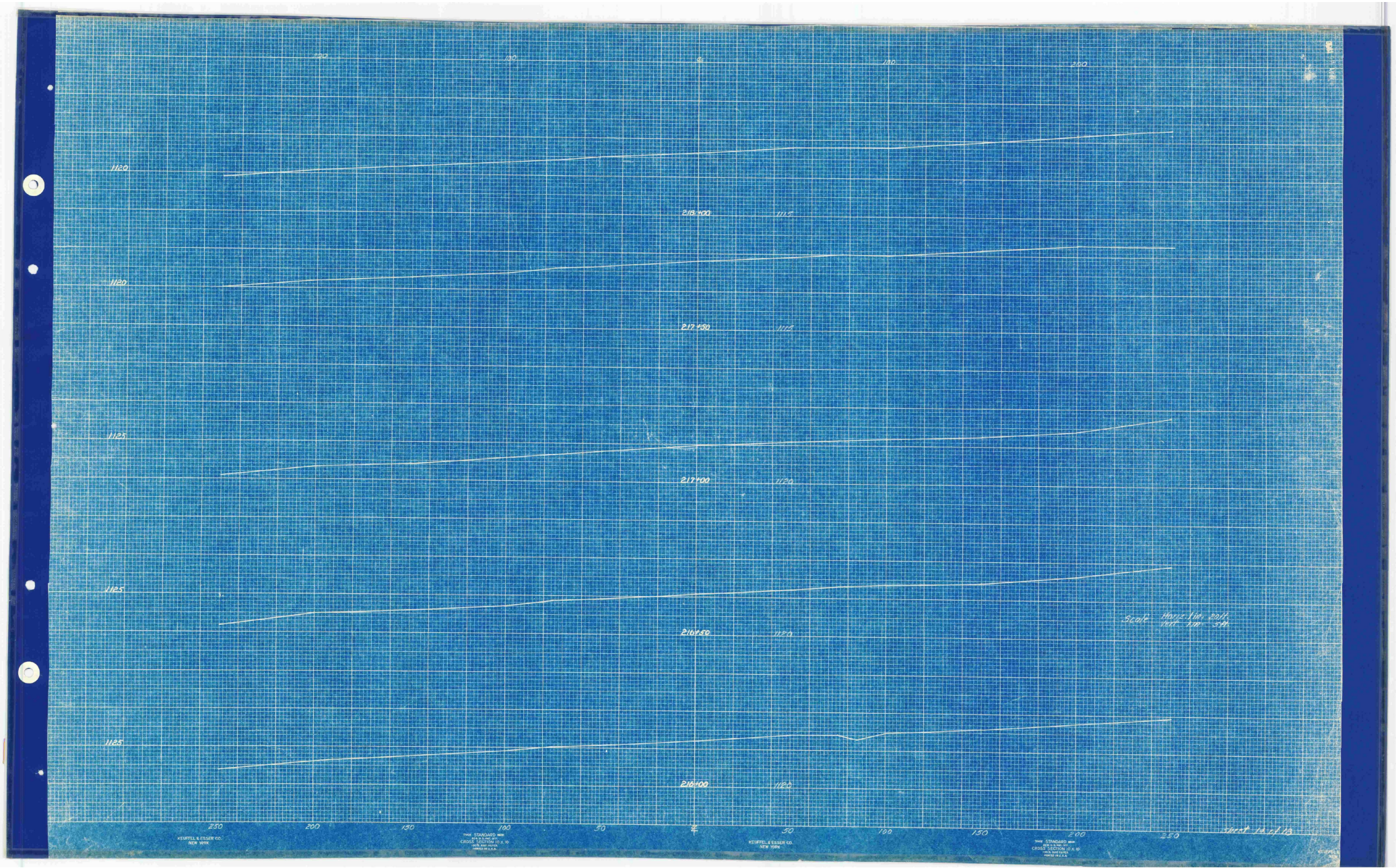

200
150
100
50
0
50
100
150
200
1145.93
1145
203+00
1140
1142.75
1145
202+00
1140
1140.25 P.C.
1145
201+00
1140
1150
200+00
1140
1155
199+00
1145
Cut
Cut
Cut
Scale Horiz. 1in. = 20ft.
Vert. 1in. = 5ft.
250
200
150
100
50
0
50
100
150
200
250
KEUFFEL & ESSER CO.
NEW YORK
Sheet 2 of 15

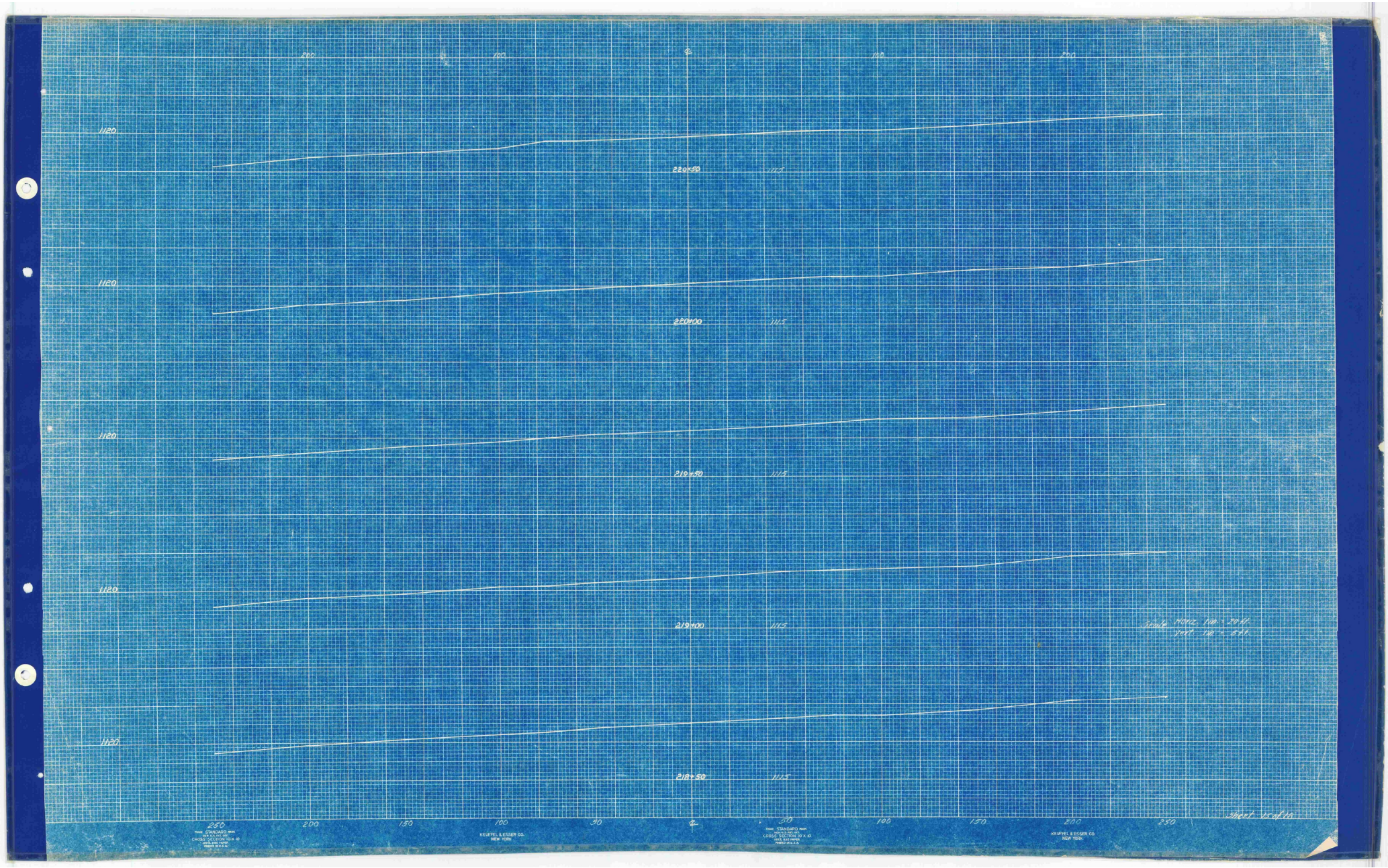

E
100
200
1138.43
1135
1130
CUT
208+00
1139.93
1140
1135
207+00
1141.43
1140
206+00
1142.93
1140
1135
205+00
1144.43
1145
1140
204+00
Scale Horiz. line = 20ft.
Vert. line = 5ft.
Sheet 10 of 10
200
150
100
50
50
100
150
200
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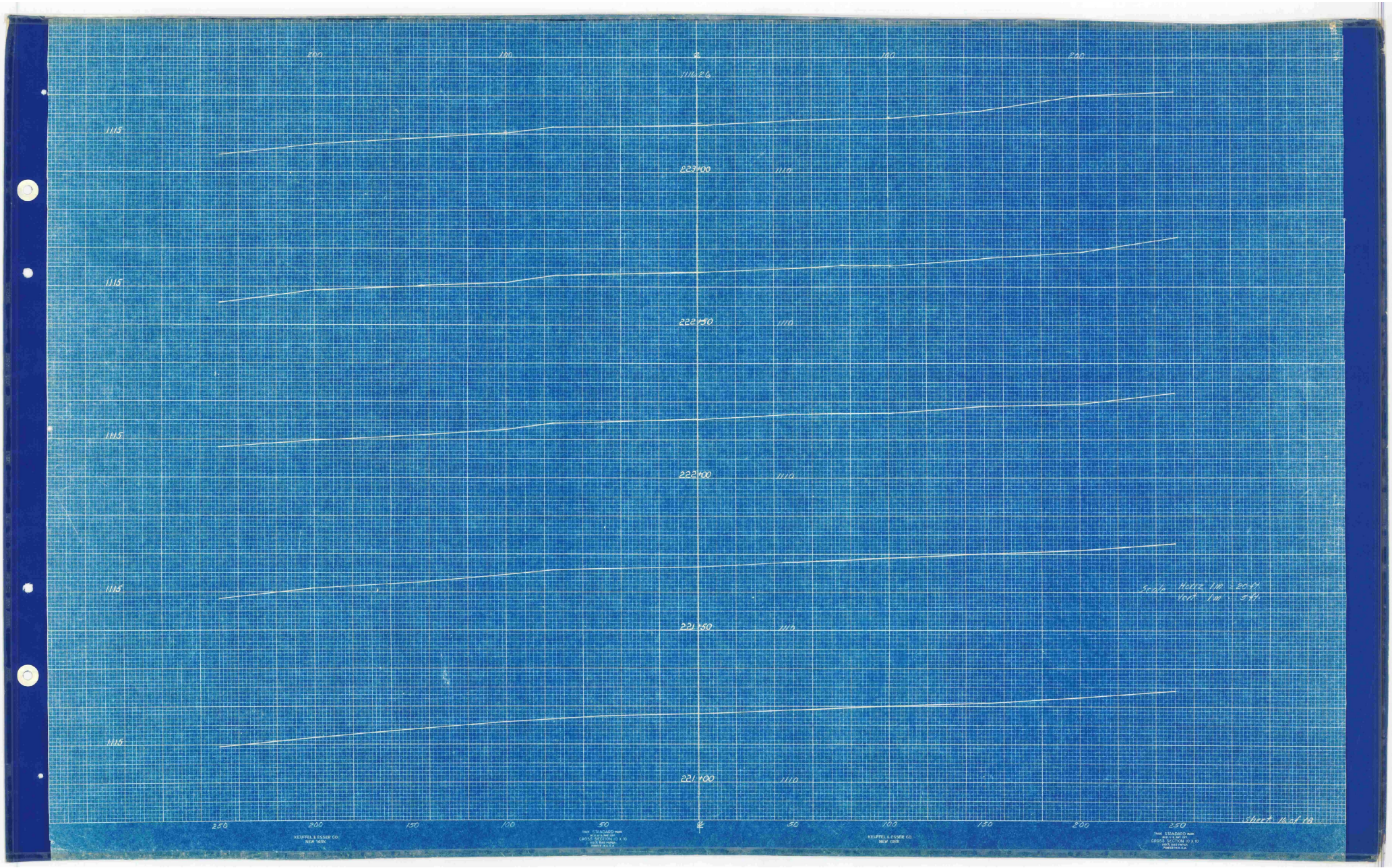

200
100
0
100
200
1135
210+50
1180
1135±3
1185
cut
210+00
1130
1135
cut
209+50
1130
1136.93
1135
cut
Groove Expansion
Joint with 2 Drains
209+00
1130
Scale Horiz. 1in. = 20ft
Vert. 1in. = 5ft
1135
208+50
1130
250
200
150
100
50
0
50
100
150
200
250
Sheet 11 of 18

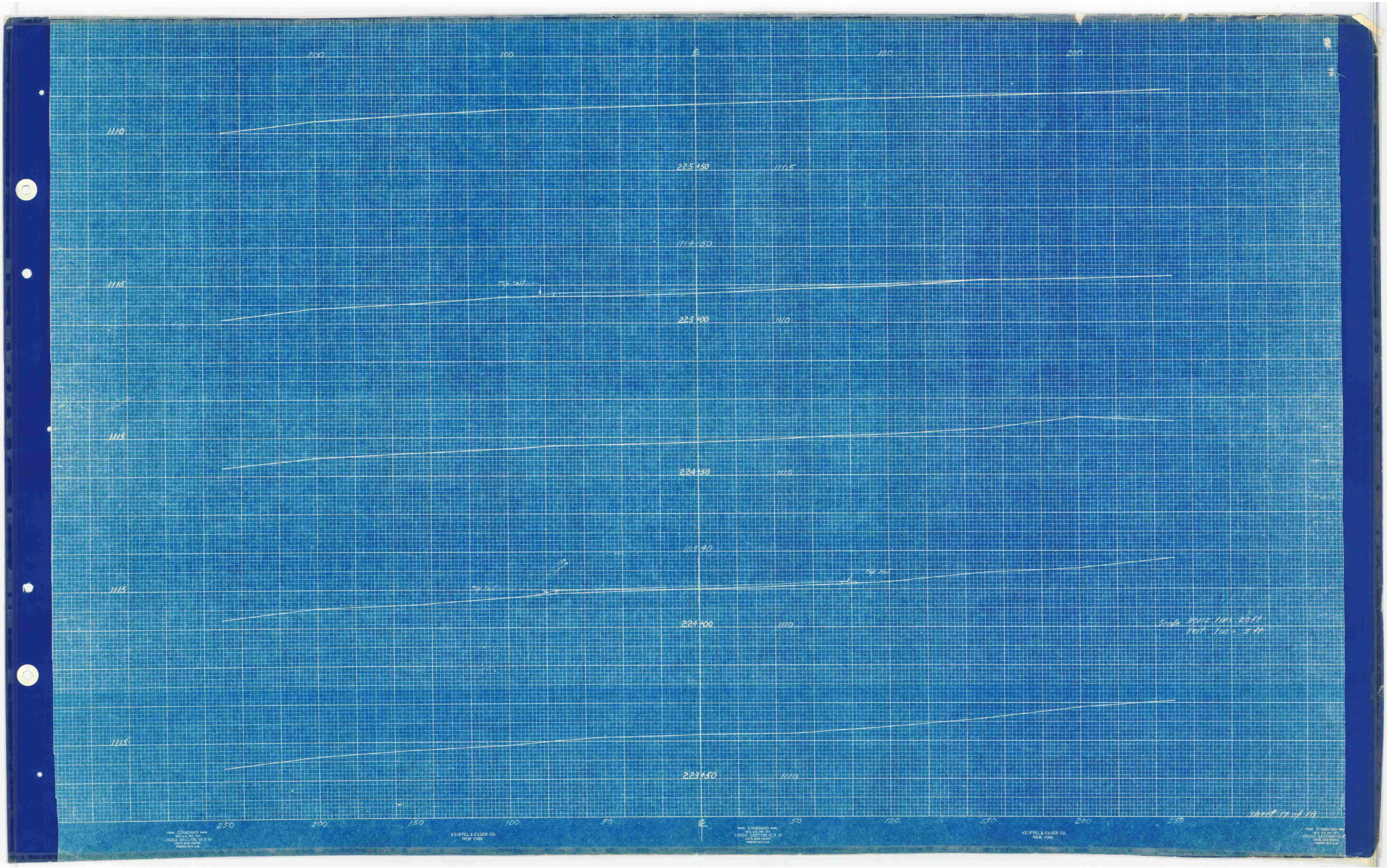

250
200
150
100
50
0
50
100
150
200
250
Cut
Cut
Cut

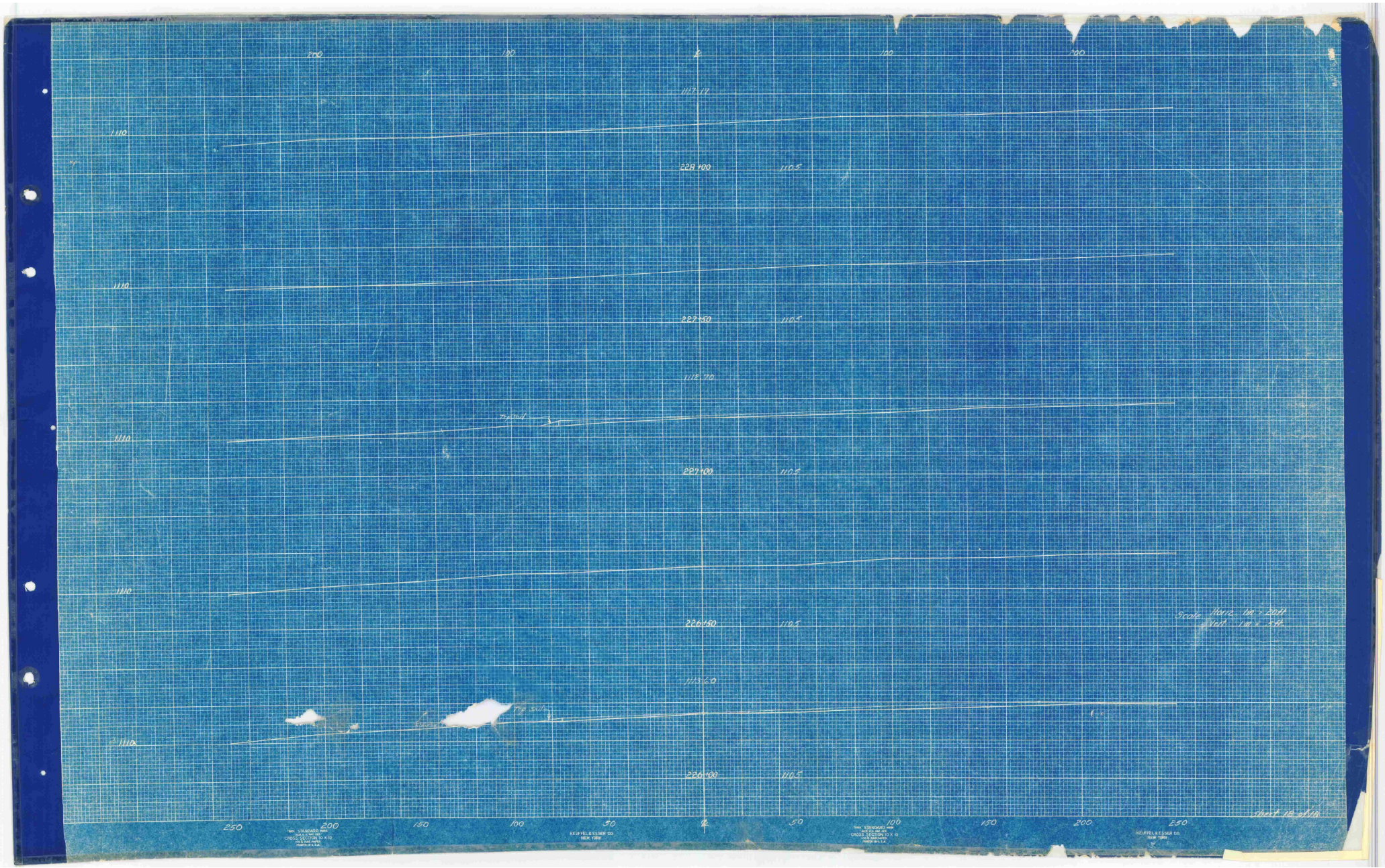

1125
215+50
1120
1125
215+00
1120
Cut
1125
214+50
1120
1130
214+00
1125
Scale: Horiz. 1in.= 20ft
Vert. 1in.= 5ft.
1130
213+50
1125
Sheet 13 of 18
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200
150
100
50
0
50
100
150
200
250
1120
1125
218+00
217+50
217+00
216+50
216+00
1115
1120
1125
1120
1120
Scale Horiz. 1in. = 50ft.
Vert. 1in. = 5ft.
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200
100
0
100
200
1120
220+50
1115
1120
220+00
1115
1120
219+50
1115
1120
219+00
1115
1120
218+50
1115
Scale: Horiz. 1in. = 20 ft.
Vert. 1in. = 5 ft.
250
200
150
100
50
0
50
100
150
200
250
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250
200
150
100
50
0
50
100
150
200
250
1116.26
1115
1110
223400
222450
222400
221450
221400
Scale: Horiz 1in = 20 ft
Vert 1in = 5 ft
Sheet 16 of 19
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200
100
℄
100
200
1110
225+50
1105
1114.50
1115
Top soil
225+00
1110
1115
224+50
1110
1115.40
1115
Top soil
Top soil
224+00
1110
Scale: Horiz. 1in. = 50ft.
Vert. 1in. = 5ft.
1115
223+50
1110
250
200
150
100
50
℄
50
100
150
200
250
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200
100
0
100
200
1117.11
1110
228+00
110.5
1110
227+50
110.5
1116.70
1110
227+00
110.5
1110
226+50
110.5
1113.60
1110
226+00
110.5
Scale: Horiz. 1in. = 20ft
Vert. 1in. = 5ft
250
200
150
100
50
0
50
100
150
200
250
KEUFFEL & ESSER CO.
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Sheet 18 of 40