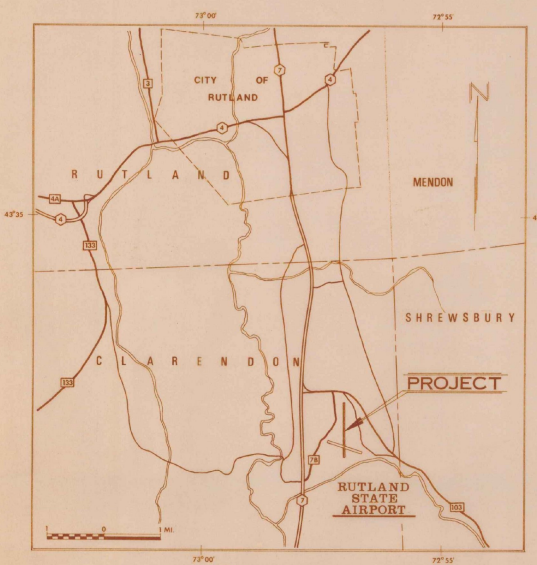
GEOGRAPHIC LOCATION:
Latitude 43°31'46"N
Longitude 72°56'54"W
Elevation 787' Highest Point on Useable Landing Area
Airline Distance & Direction from Rutland 5.8 Miles South
Distance by Road to Rutland Post Office 6.25 Miles

PLANS FOR
RECONSTRUCT PORTIONS, OVERLAY, (STRENGTHENING) AND MARK RUNWAY 1-19, (5000' x 150');
INSTALL VASI-4 AND REILS ON RUNWAY 1-19
INSTALL 36 INCH ROTATING AIRPORT BEACON ON 62' TUBULAR STEEL TOWER

RUTLAND STATE AIRPORT

NORTH CLARENDON, VERMONT

A.D.A.P. PROJ. NO. 8-50-0015-03



VICINITY MAP

LEGEND
- U. S. Highways
- State Highways
- Secondary Roads and Street
- Rivers
- Town Boundary
- City Boundary

JOB PROJECT I

ITEM	DESCRIPTION	UNIT	EST. QUANT.	FINAL QUANT.
1	Unclassified Excavation	C.Y.	2,000	2,000
2	Subbase Course	C.Y.	1,220	1,678
3	Crushed Aggregate Base Course	C.Y.	800	800
4	Bituminous Prime Coat	GAL.	2,500	2,450
5	Raise Drop Inlet Grates	Each	50	50
6	8" Underdrain	L.F.	674	674
6A	Porous Backfill No. 2	C.Y.	180	180
7	Boulder Removal (less than ½cubic yard	Each	12	24
7A	Boulder Removal (over ½ cubic yard	Each	6	20
8	Crack Filling	L.F.	100,000	119,619
9	Pavement Removal	S.Y.	14,000	12,564
10	Bituminous Tack Coat	GAL.	12,000	8,510
11	Bituminous Surface Course	Ton	14,600	13,812
12	Runway Painting	L.S.	1	1
13	Topsoiling	C.Y.	200	230
14	Seeding DELETED	M.S.F.	45	----

JOB PROJECT II

ITEM	DESCRIPTION	UNIT	EST. QUANT.	FINAL QUANT.
1	Airport Rotating Beacon	L.S.	1	1
2	Tubular Steel Beacon Tower	L.S.	1	1
3	Cable Trench	L.F.	4,700	4,631
4	U.G.Cable,installed in trench (#4)	L.F.	7,000	6,590
5	U.G.Cable,installed in trench (#8)	L.F.	12,000	11,608
6	U.G.Cable,installed in duct or conduit (#4)	L.F.	110	138
7	U.G.Cable,installed in duct or conduit (#8)	L.F.	240	276
8	Runway End Identification Lights	L.S.	1	1
9	Four Box Visual Approach Slope Indicators	L.S.	1	1
10	Demolition of Existing Beacon Tower	L.S.	1	1

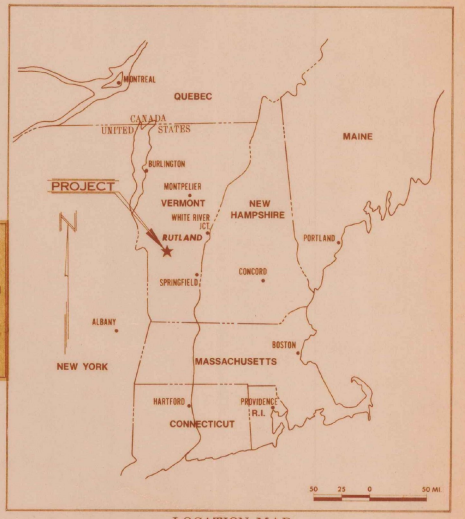
AS BUILT PLANS
I HEREBY CERTIFY THAT ALL CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.
DUFRESNE-HENRY ENGR. CORP.
BY Robert A. Hopkins PROJECT ENGINEER
DATE 1-29-74

AUGUST 15, 1973

INDEX OF SHEETS

SHEET	TITLE
	Title Page
1	Drainage and Typical Sections
2	Numeral and Centerline Marking Details
3	Borings, Boulders and Waste Area Location
4	36" Rotating Beacon, Tower, Base Details and Wiring Diagrams
5	VASI Box and Identifier Lighting Details
6-18	Runway Cross Sections
19-20	Reconstruction Area Cross Sections

NOTE: Runway Cross Sections and Reconstruction Area Cross Sections Plans are available at the Engineer's office. Complete sets will be available to the final bidder prior to construction.



LOCATION MAP

REVISIONS		
Date	Description	by

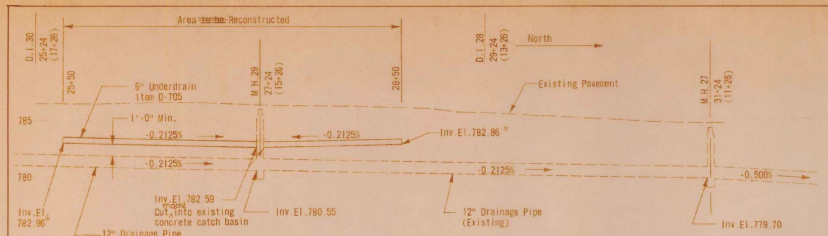
U.S. DEPT. OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
Chief, Airports Branch
Approved Date

VERMONT AERONAUTICS BOARD
Commissioner
Approved Date
Engineer
Approved Date

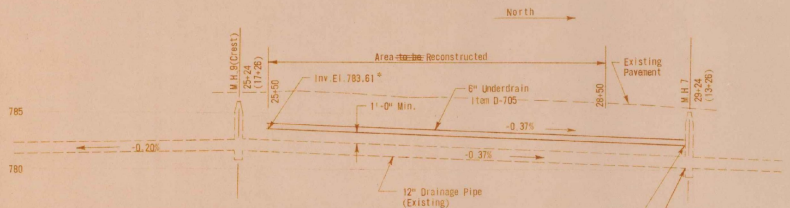
RUTLAND STATE AIRPORT
RUNWAY 1-19
TITLE PAGE
A.D.A.P. PROJECT NO. 8-50-0015-03
Rutland, Vermont

DUFRESNE-HENRY Engineering Corporation
REGISTERED PROFESSIONAL CIVIL & SANITARY ENGINEERS
PRECISION PARK NORTH SPRINGFIELD VERMONT

DRAWING NO.	73-2-8010.1	DESIGN ENGR.	R.J. Dufresne
SURVEY CREW		SCALE	As Shown
PLOTTED BY		SHEET	OF
TRACED BY	TDM 7-5-73	DATE	July 10, 1973
CHECKED BY		APPROVED	

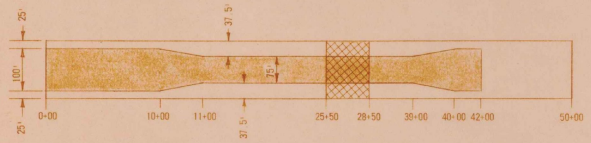


WEST DRAINAGE
Scale: 1"=5' Vert.
1"=50' Horz.



* NOTE:
Underdrain ends ~~to be~~ capped with ~~std. end cap or~~ concrete grout. Cost of ~~end caps or~~ grout ~~to be~~ included in contractors bid price per lin. ft. of 6" underdrain.

EAST DRAINAGE
Scale: 1"=5' Vert.
1"=50' Horz



3" Min. Thickness P-401-Gradation B
Min. Transverse Slope - 1½%

2" Min. Thickness P-401-Gradation B
Min. Transverse Slope - 0.75%

Total Reconstruction Area

SCHEMATIC PLAN OF CONSTRUCTION
N.T.S.

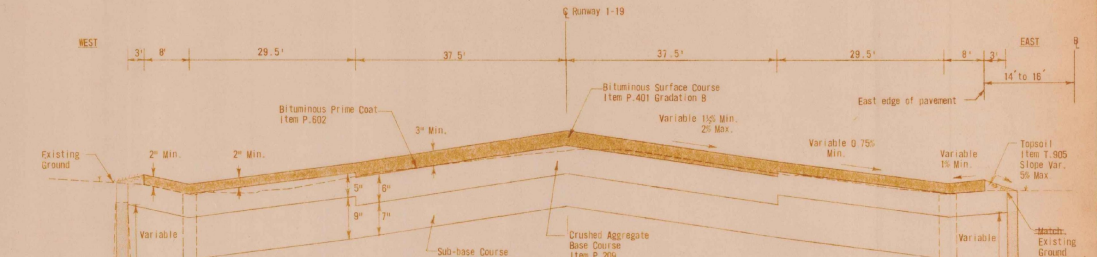
AS BUILT PLANS

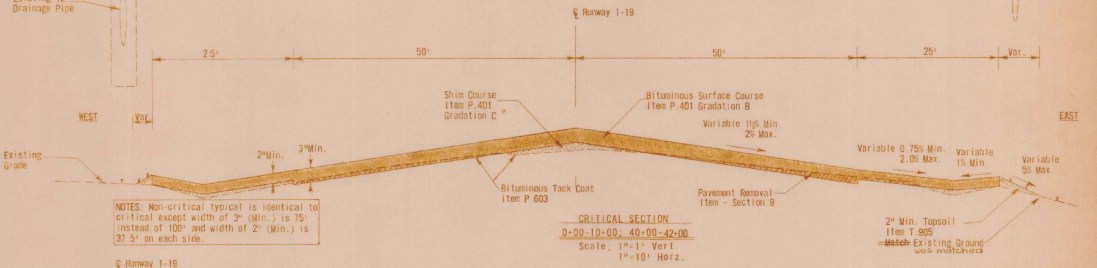
I HEREBY CERTIFY THAT ALL CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

DUFRESNE-HENRY ENGR. CORP.

BY _____ PROJECT ENGINEER

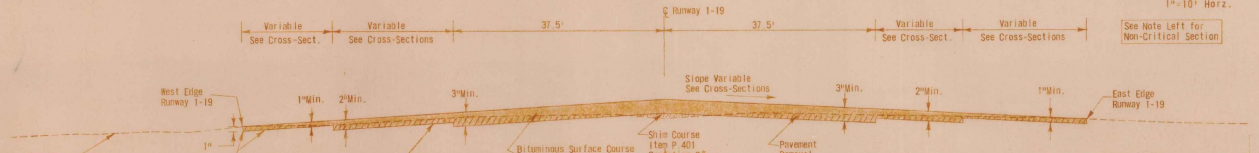
DATE 1-10-74





NOTES: Non-critical typical is identical to critical except width of 3" (Min.) is 75' instead of 100' and width of 2" (Min.) is 37.5' on each side.

CRITICAL SECTION
0-00-10-00, 40-00-42-00
Scale: 1"=1' Vert.
1"=10' Horz.



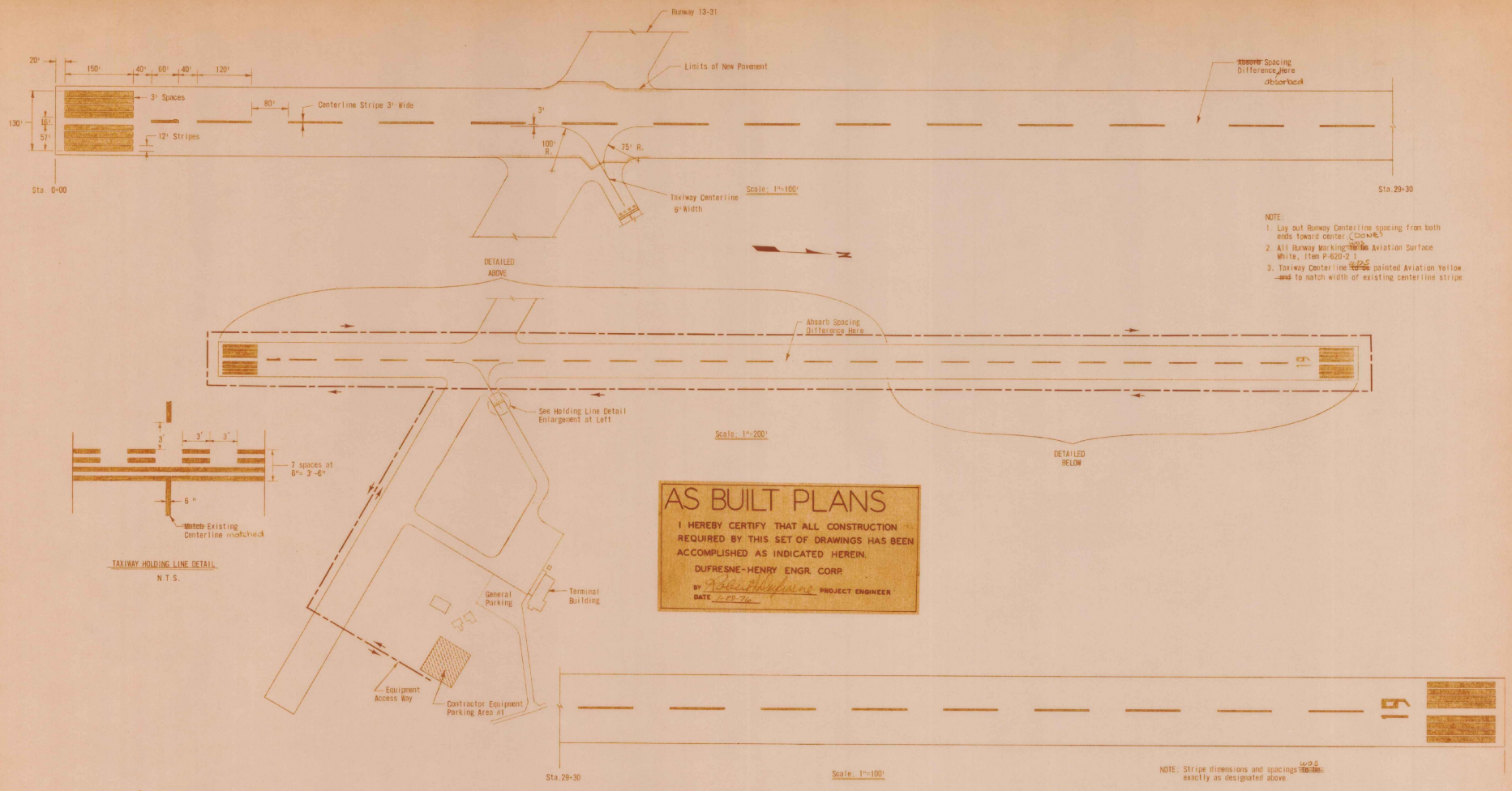
MATCHING GRADE OF
OLD AND NEW PAVEMENTS
INTERSECTION AREA STA 10+50-12+50
Scale: 1"=1' Vert.
1"=10' Horz

* NOTE: Gradation C ~~shall be~~ used for all shim depths of less than 1½". when shim depth exceeds 1½", Gradation B ~~shall be~~ used.
Max. Course Depth
Gradation B—1"
Gradation C—2"

RUTLAND STATE AIRPORT
RUNWAY 1-19
DRAINAGE AND TYPICAL SECTIONS
A.D.A.P. PROJECT NO. 8-50-0015-03
Rutland, Vermont

DUFRESNE-HENRY
Engineering Corporation
CIVIL & SANITARY ENGINEERS
PRECISION PARK
NORTH SPRINGFIELD
VERMONT

DRAWING NO.	2-8010.1	DESIGN ENGR.	R.J. Dufresne
SURVEY CHIEF		SCALE	As Shown
PLOTTED BY	GW 7-5-73	SHEET	1 OF 20
TRACED BY	GW 7-6-73	DATE	July 10, 1973
CHECKED BY	WF 7-10-73	APPROVED	



RUTLAND STATE AIRPORT
RUNWAY 1-19
NUMERAL AND CENTERLINE MARKING DETAILS
A.C.A.P. PROJ. NO. 8-50-0015-03
Rutland Vermont

DUFRESNE-HENRY
Engineering Corporation
REGISTERED PROFESSIONAL CIVIL & SANITARY ENGINEERS
PRECISION PARK NORTH FERRISBURGH VERMONT

DRAWING NO.			DESIGN ENGR.	R. J. Dufresne
SURVEY CHIEF			SCALE	As Shown
PLOTTED BY	TEM	6-10-75	SHEET	2 OF 20
TRACED BY	VEL	6-25-75	DATE	June 19, 1975
CHECKED BY	RJD	6-25-75	APPROVED	

LOCATION OF BOUNDERS

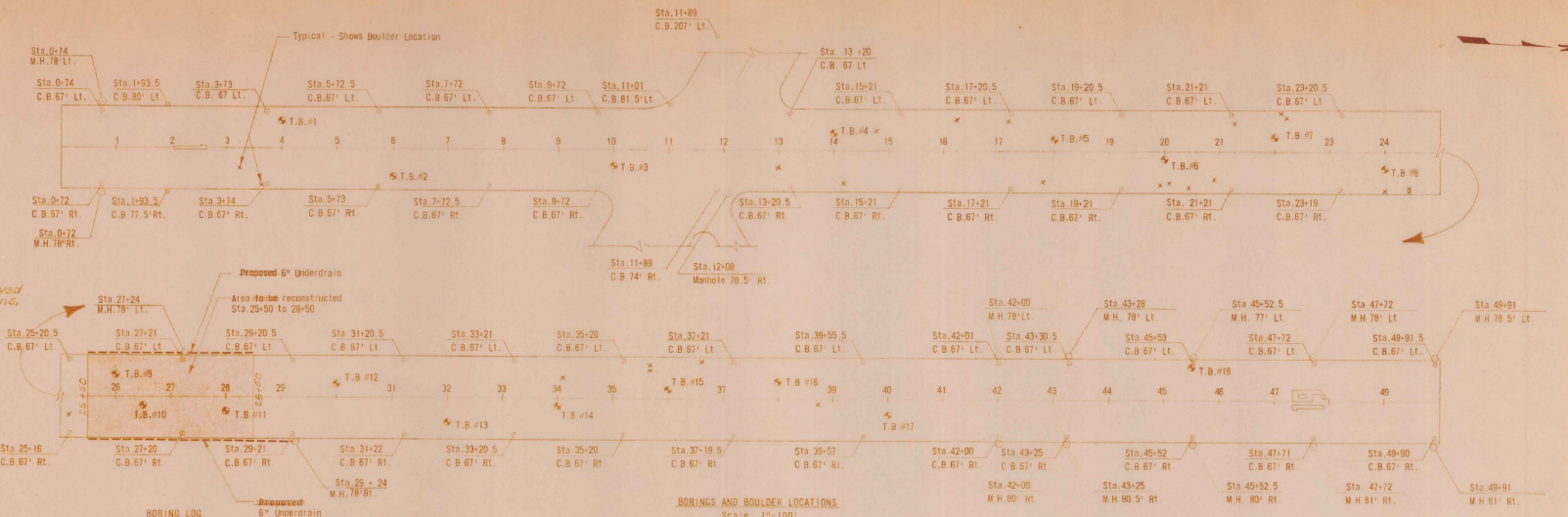
STATION	DISTANCE Left	℄ Right
3+25		37.5
3+64		68.0
13+00		32.5
14+19		60.0
14+77	34.0	
16+25	55.0	
17+16	52.0	
17+80.5		56.0
19+90		63.0
20+08		57.0
20+43		66.5
20+88		51.0
21+25	51.0	
22+10	68.0	
22+19	59.0	
24+00		70.0
24+43		70.5
24+43		65.0
25+21		33.0
34+12	38.0	
35+88	58.5	
35+68	49.5	
36+62.5	67.0	
38+75		9.0

NOTE: An additional 20 boulders were removed from random locations.

B.M. ELEVATIONS AND LOCATIONS

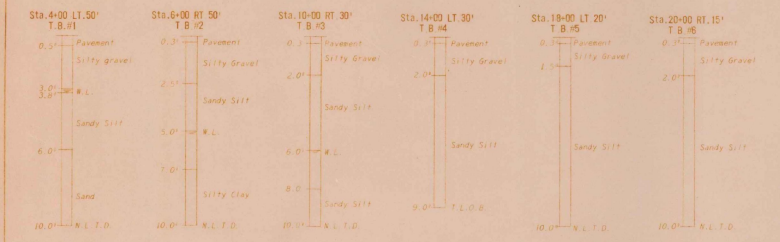
B.M.No.	ELEV.	℄ STATION
1	781.795	4+50 - 100' Rt.
2	783.890	9+00 - 100' Rt.
3	784.030	13+50 - 100' Rt.
4	784.280	18+00 - 100' Rt.
5	784.990	22+50 - 100' Rt.
6	785.570	27+00 - 100' Rt.
7	783.715	31+50 - 100' Rt.
8	781.440	36+00 - 100' Rt.
9	778.560	40+50 - 100' Rt.
10	777.245	45+00 - 100' Rt.

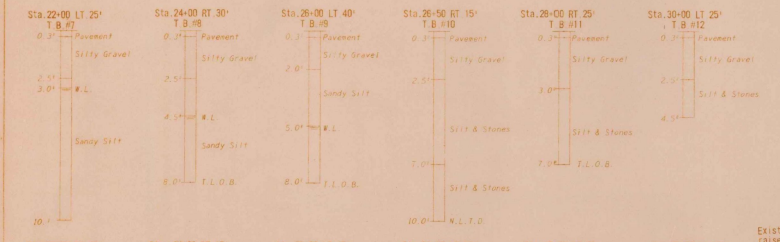
NOTE: All B.M.'s are located 100' right of the baseline stations and are on top of steel rods.

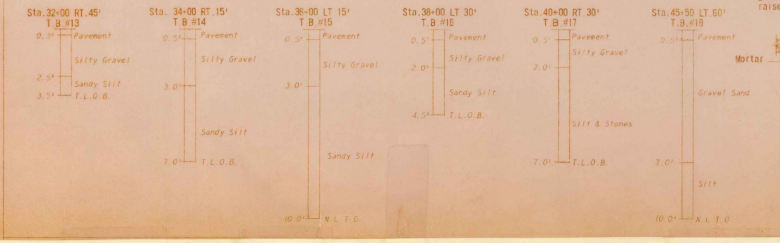


BORING LOG
Scale: 1"=3' Vert

BORINGS AND BOULDER LOCATIONS
Scale: 1"=100'







NOTE: Boulders removed between 25+50 to 28+50 shall be removed and paid for under Section 1, "Unclassified Excavation." No "Boulder" payment, as such, will be made.

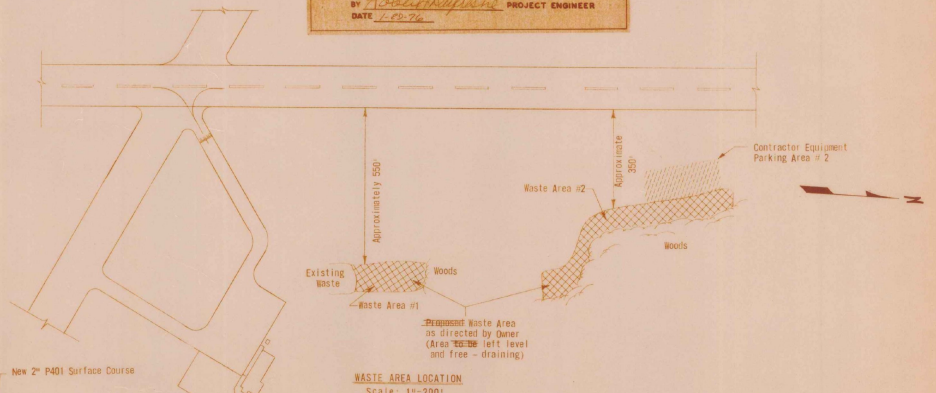
AS BUILT PLANS

I HEREBY CERTIFY THAT ALL CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

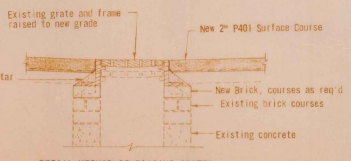
DUFRESNE-HENRY ENGR. CORP.

BY [signature] PROJECT ENGINEER

DATE 1-09-74



WASTE AREA LOCATION
Scale: 1"=200'



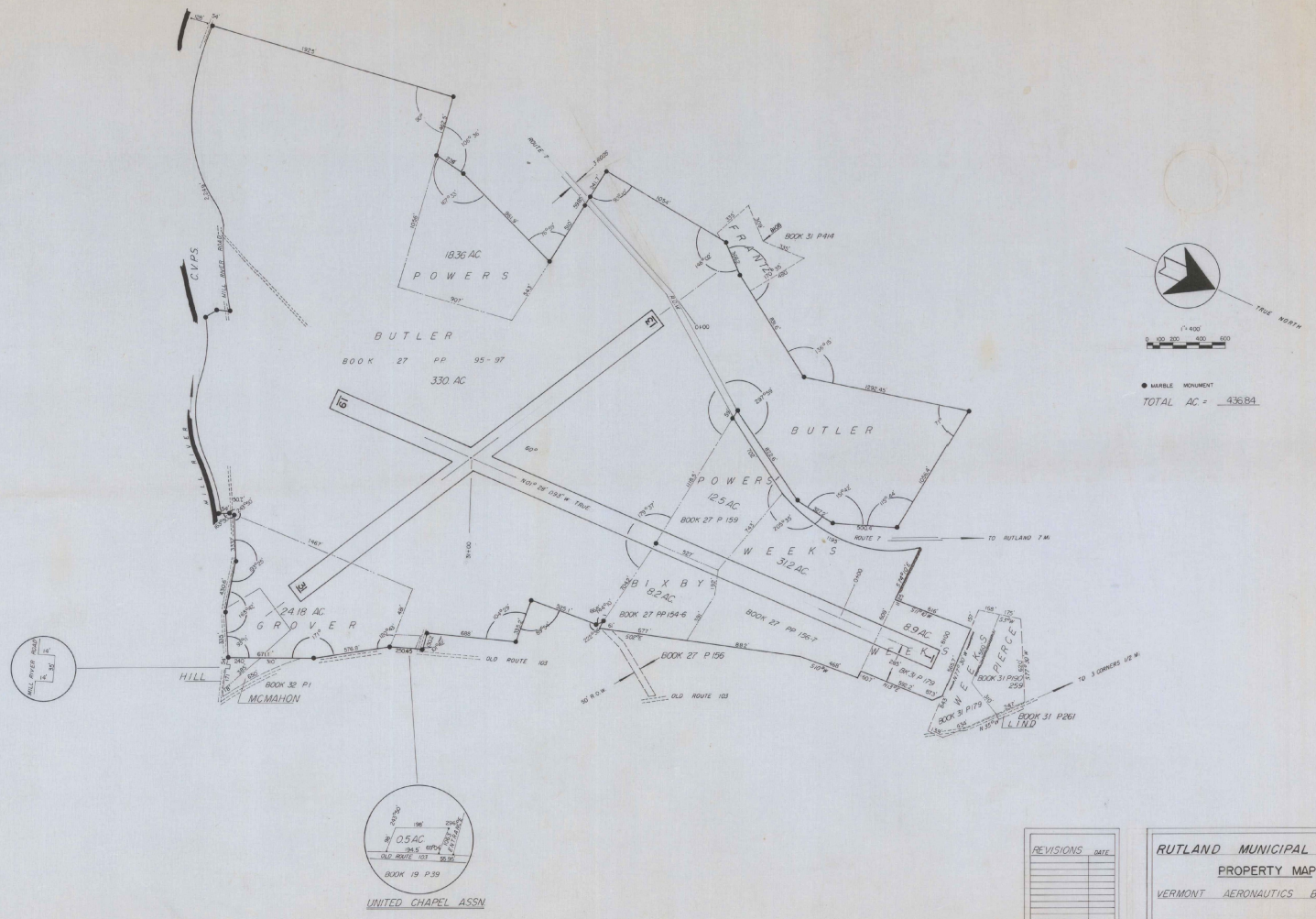
DETAIL METHOD OF RAISING GRATES AND FRAMES ON EXISTING DROP INLETS

N.T.S.

RUTLAND STATE AIRPORT
RUNWAY 1-19
BORINGS, BOULDERS & WASTE AREA LOCATION
A.D.A.P. PROJECT NO. 8-50-0015-03
Rutland, Vermont

DUFRESNE-HENRY Engineering Corporation
REGISTERED PROFESSIONAL CIVIL & SANITARY ENGINEERS
PRECISION PARK NORTHFIELD, VERMONT

DRAWING NO.	2810	DESIGN ENGR.	R.D.C.
SURVEY CHIEF		SCALE	As Shown
PLOTTED BY		SHEET	3 OF 20
TRACED BY	GW 8-25-73	DATE	June 29, 1973
CHECKED BY	WR 10-26-73	APPROVED	



REVISIONS	DATE

RUTLAND MUNICIPAL AIRPORT

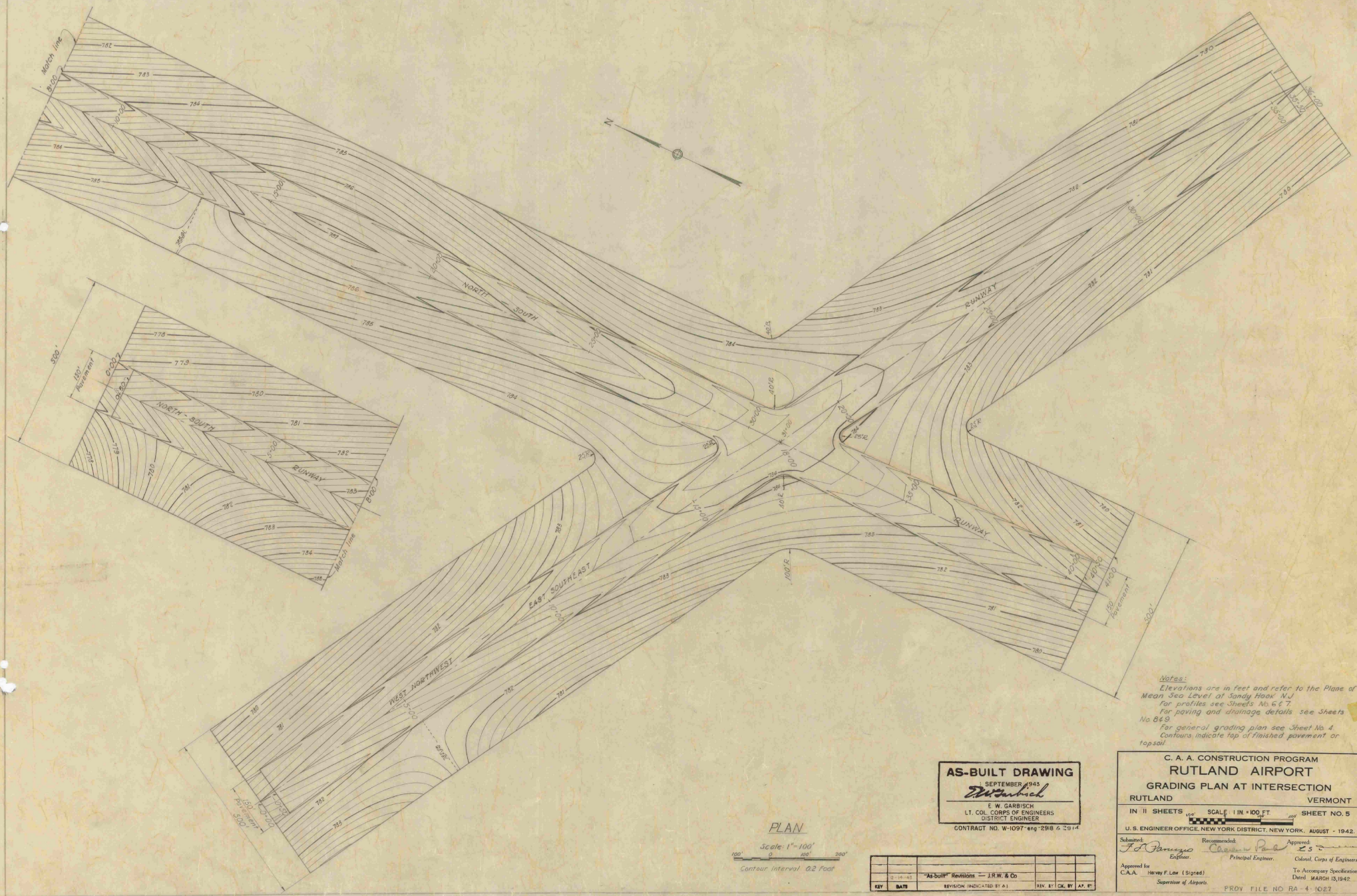
PROPERTY MAP

VERMONT AERONAUTICS BOARD

D.CUMMINGS, P.E. 1564 JAN '65

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



Notes:
Elevations are in feet and refer to the Plane of Mean Sea Level at Sandy Hook N.J.
For profiles see Sheets No. 6 & 7.
For paving and drainage details see Sheets No. 8 & 9.
For general grading plan see Sheet No. 4.
Contours indicate top of finished pavement or topsoil.

AS-BUILT DRAWING
1 SEPTEMBER 1943
E. W. GARBISCH
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER
CONTRACT NO. W-1097-eng-2918 & 2914

KEY	DATE	REVISION INDICATED BY A.I.	REV. BY	CK. BY	AP. BY
	2-14-45	"As-built" Revisions — J.R.W. & Co			

C. A. A. CONSTRUCTION PROGRAM

RUTLAND AIRPORT

GRADING PLAN AT INTERSECTION

RUTLAND VERMONT

IN 11 SHEETS SCALE: 1 IN. = 100 FT. SHEET NO. 5

U. S. ENGINEER OFFICE, NEW YORK DISTRICT, NEW YORK. AUGUST - 1942.

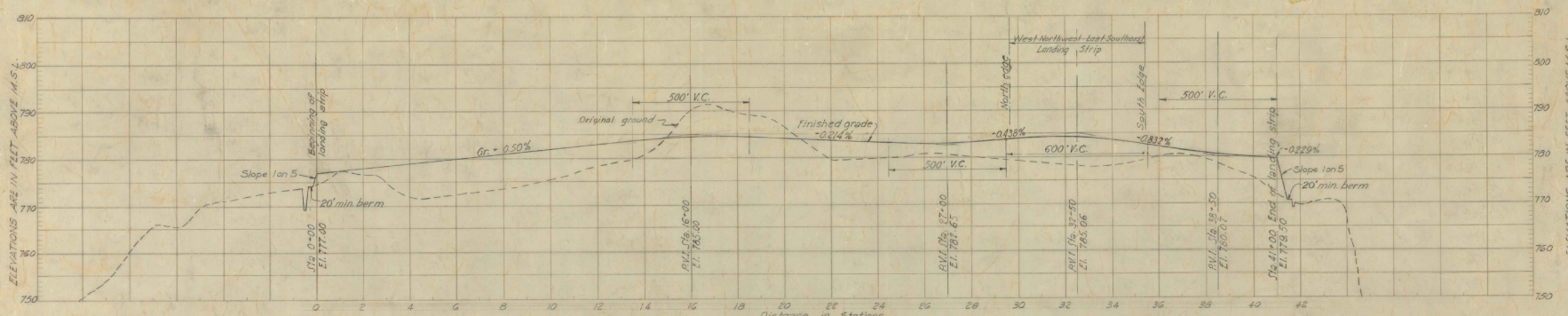
Submitted: F. S. Parrino, Engineer.
Recommended: Principal Engineer.
Approved: Colonel, Corps of Engineers.
Approved for C.A.A.: Harvey F. Law (Signed), Superintendent of Airports.
To Accompany Specifications Dated MARCH 13, 1942.

PROV. FILE NO. RA-4-1027

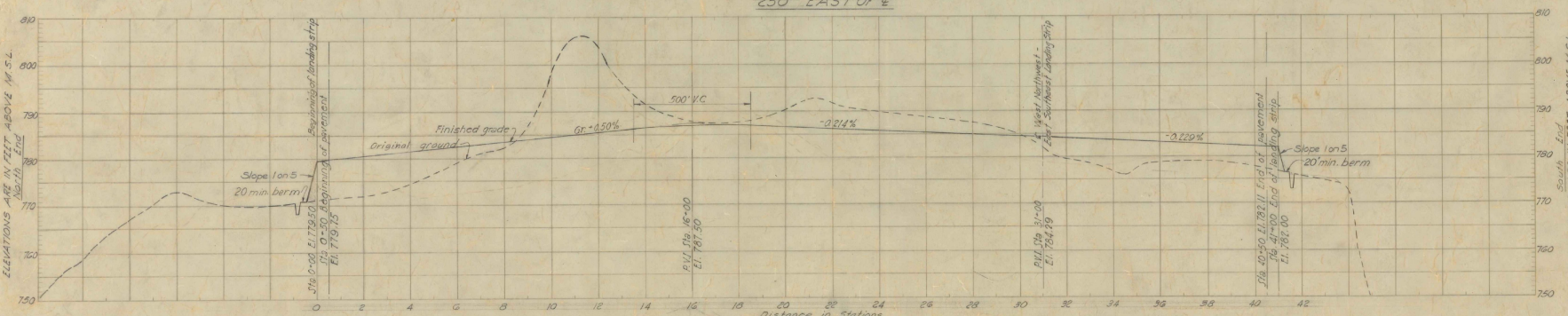
FILE NO. A-496.

WAR DEPARTMENT

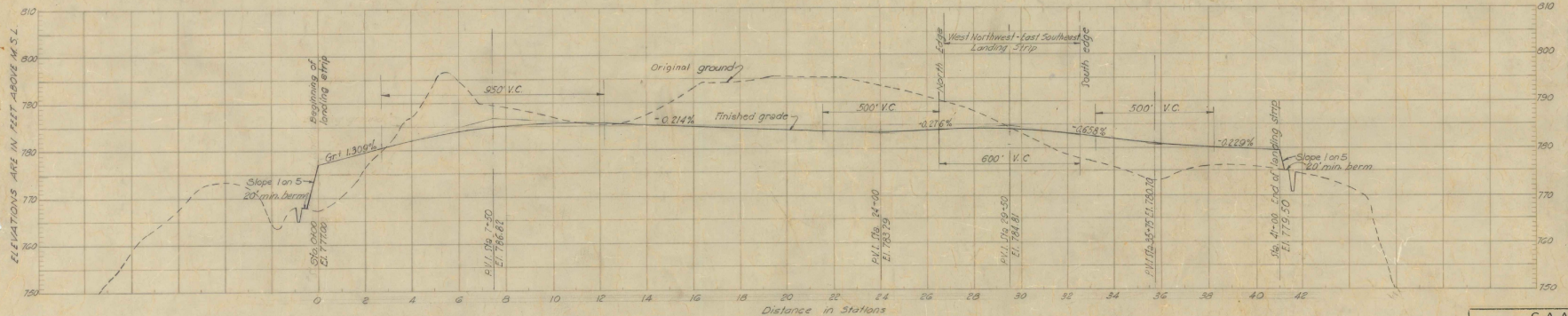
CORPS OF ENGINEERS, U. S. ARMY



250' EAST OF ℄



CENTER LINE



250' WEST OF ℄

PROFILES OF NORTH-SOUTH LANDING STRIP

Scales: Horiz. 1"=200'
Vert. 1"=10'

200' 0 200' 400'

10' 0 10' 20'

NOTES:
Profiles are based on field survey by U.S. Engineer Office.
For Grading Plan see Sheets No. 4 & 5.
Elevations are in feet and refer to the plane of Mean Sea Level at Sandy Hook N.J.
For profile of West Northwest - East Southeast landing strip see Sheet No. 7.
Profiles show finished surface at top of pavement or topsoil.
For paving and drainage details see Sheets No. 8 & 9.

AS-BUILT DRAWING
1 SEPTEMBER, 1943
E. W. Garbisch
E. W. GARBISCH
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER
CONTRACT NO. W-1097-eng-2918 & 2914

C. A. A. CONSTRUCTION PROGRAM

RUTLAND AIRPORT

PROFILES OF NORTH - SOUTH LANDING STRIP

RUTLAND VERMONT

IN 11 SHEETS HOR. SCALE: 1 IN. = 200 FT. SHEET NO. 6
VERT. SCALE: 1 IN. = 10 FT.

U. S. ENGINEER OFFICE, NEW YORK DISTRICT, NEW YORK. AUGUST - 1942.

Submitted: F. C. Perrazzo, Engineer. Recommended: Chester W. Poole, Principal Engineer. Approved: [illegible], Col., Corps of Engineers.

Approved for C.A.A. Harvey F. Low (Signed), Supervisor of Airports.

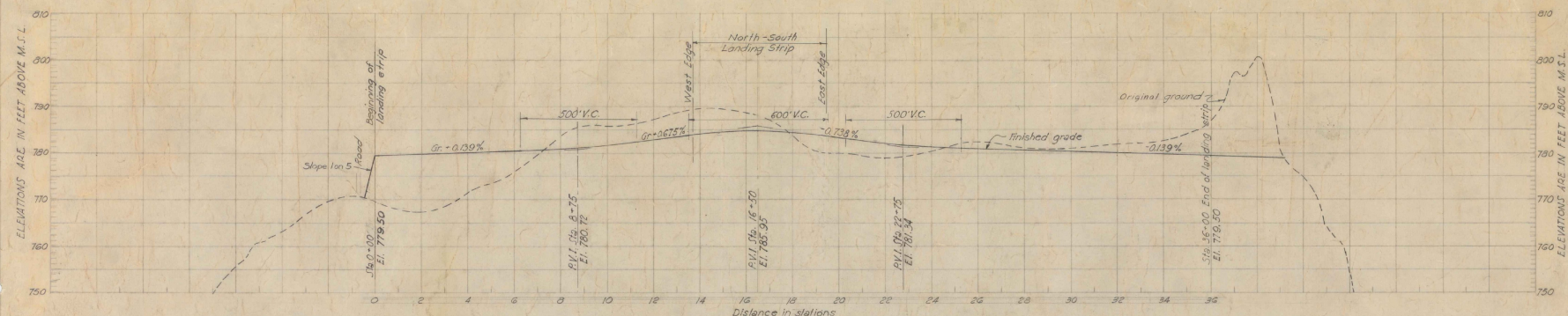
To Accompany Specifications Dated MARCH 13, 1942.

RA-4-1026

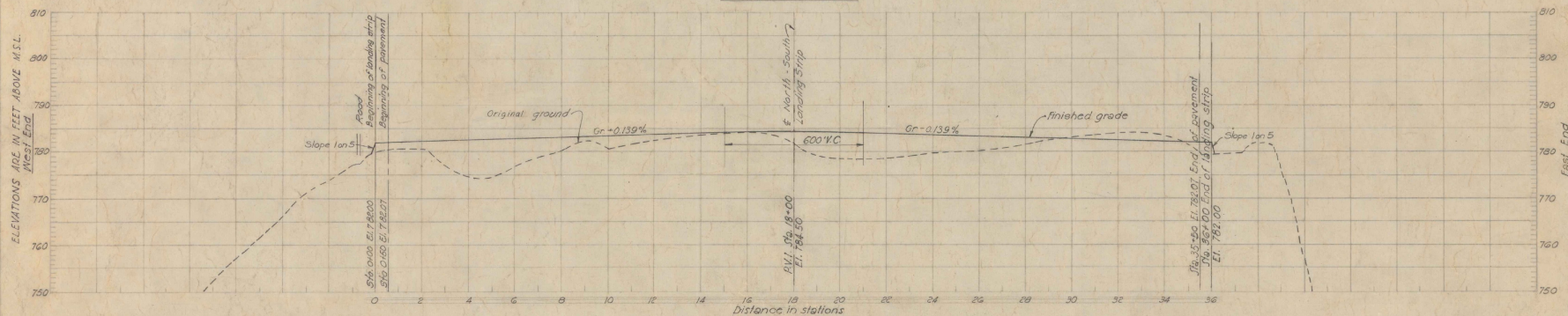
FILE NO. A-497.

WAR DEPARTMENT

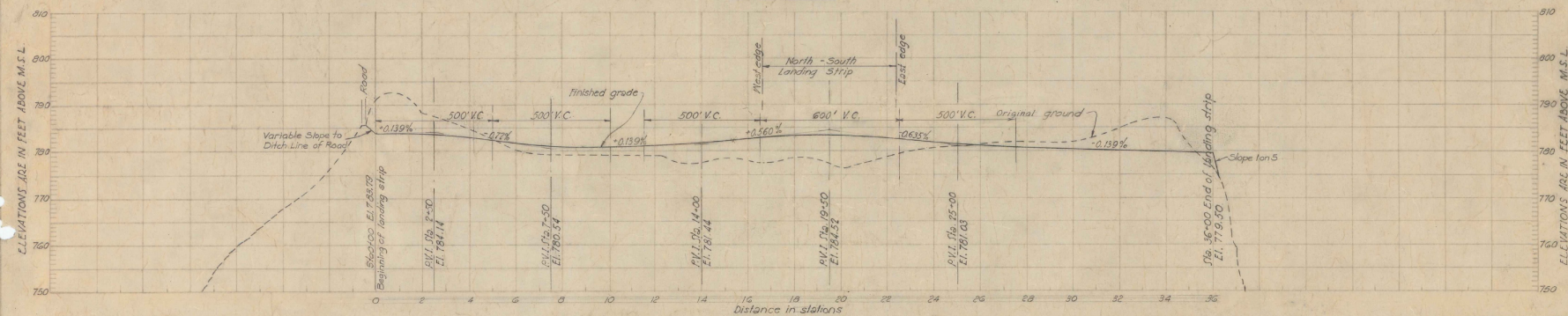
CORPS OF ENGINEERS, U. S. ARMY



250' NORTH OF ℄



CENTER LINE



250' SOUTH OF ℄

PROFILES OF WEST NORTHWEST - EAST SOUTHEAST LANDING STRIP

Scales: Horiz. 1" = 200'
Vert. 1" = 10'

NOTES:
Profiles are based on field survey by U.S. Engineer Office. For Grading Plan see Sheets No. 4 & 5. Elevations are in feet and refer to the plane of Mean Sea Level at Sandy Hook N.J. For profile of North-South landing strip see Sheet No. 6. Profiles shown finished surface of top of pavement or topsoil. For paving and drainage details see sheets No. 8 & 9.

AS-BUILT DRAWING
SEPTEMBER, 1943
E. W. GARBISCH
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER
CONTRACT NO. W-1097-eng-2918 & 2914

C. A. A. CONSTRUCTION PROGRAM

RUTLAND AIRPORT

PROFILES OF WEST NORTHWEST EAST SOUTH EAST LANDING STRIP

RUTLAND VERMONT

IN 11 SHEETS HOR. SCALE: 1 IN. = 200 FT. VERT. SCALE: 1 IN. = 10 FT. SHEET NO. 7

U.S. ENGINEER OFFICE, NEW YORK DISTRICT, NEW YORK. AUGUST - 1942.

Submitted: F. F. Parenzo, Engineer. Recommended: Principal Engineer. Approved: Col., Corps of Engineers.

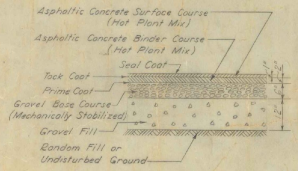
Approved for C.A.A. Harvey F. Law (Signed) Superintendent of Airports.

To Accompany Specifications Dated MARCH 13, 1942.

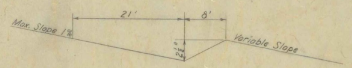
FILE NO. A-498.

WAR DEPARTMENT

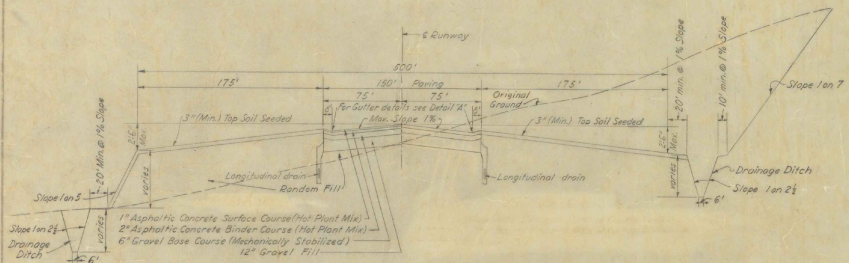
CORPS OF ENGINEERS, U. S. ARMY



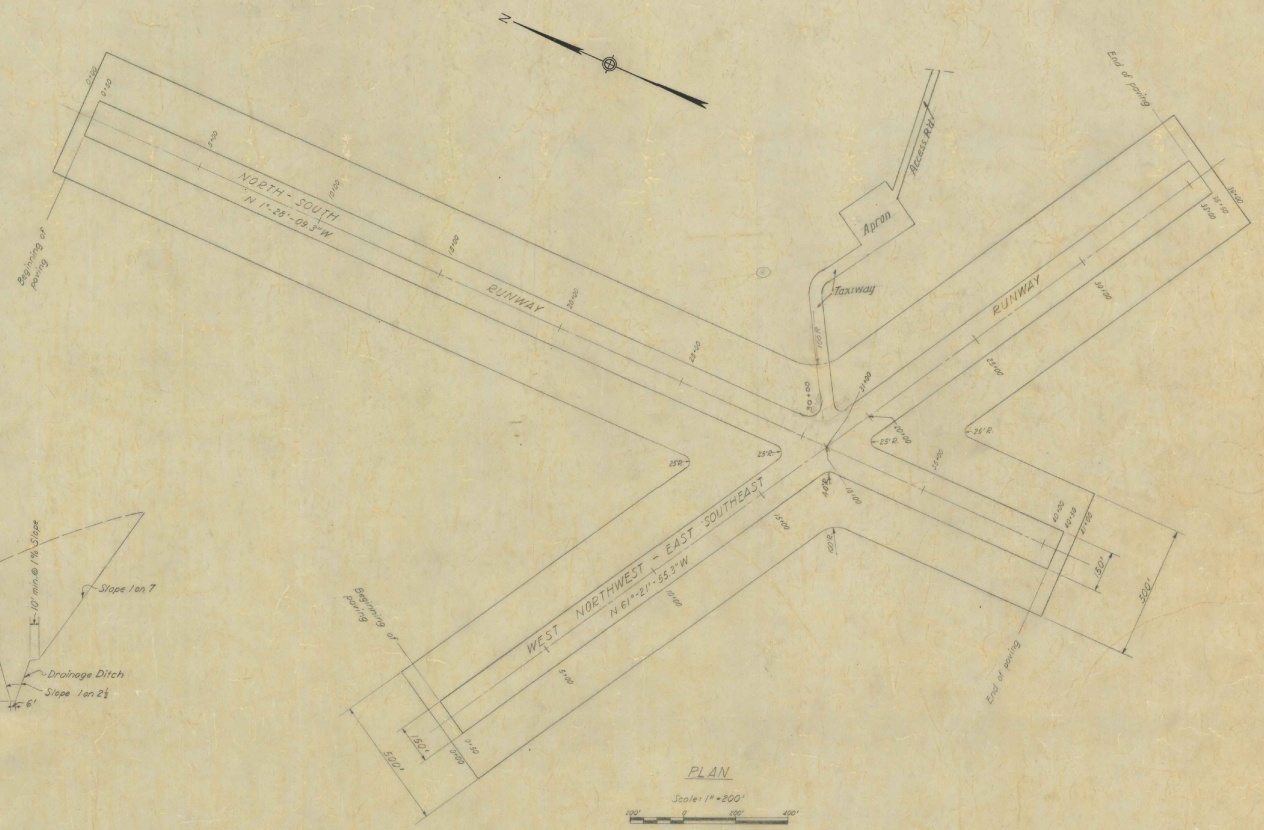
DETAIL OF PAVEMENT
ALTERNATE "A"



GUTTER - DETAIL "A"
Not to Scale



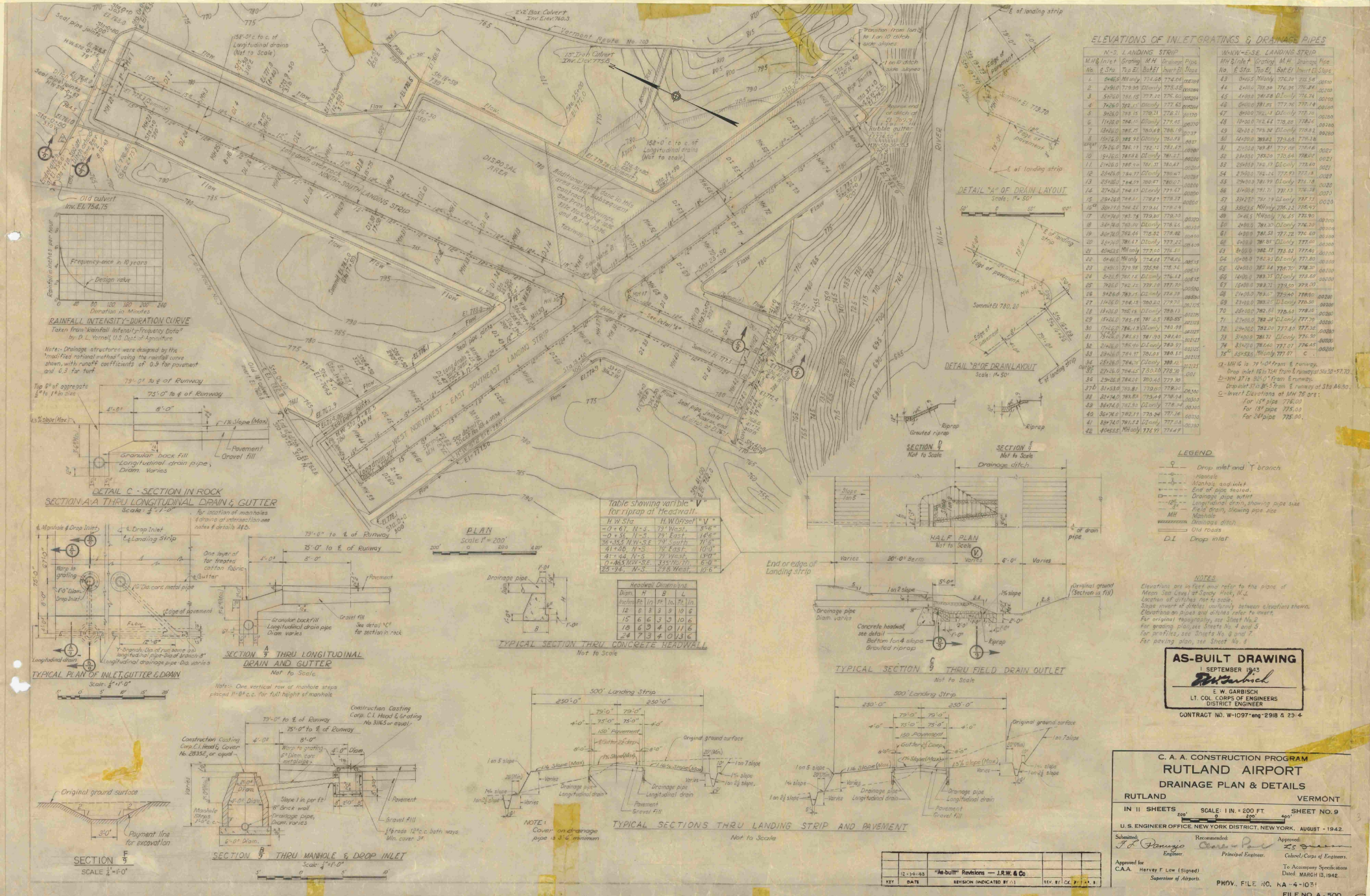
TYPICAL SECTION THROUGH RUNWAY PAVING AND LANDING STRIP
Not to Scale



PLAN
Scale: 1" = 200'

NOTES:
For grading plans see Sheets No. 4 & 5.
For profiles see Sheets No. 6 & 7.
For drainage details see Sheet No. 9.

AS-BUILT DRAWING
SEPTEMBER 1943
E. W. GARBISCH
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER
CONTRACT NO. W-1087-eng-2918 & 2914



ELEVATIONS OF INLET GRATINGS & DRAINAGE PIPES

N-S LANDING STRIP

M.H. & Inlet No.	Sta	Grating Top El.	M.H. Bot El	Drainage Pipe Invert El	Pipe Slope
1	0+46.5	Mil only	774.66	774.06	.00268
2	2+91.0	779.96	D.I only	775.35	.00284
3	5+26.0	784.15	777.28	776.60	.00294
4	7+26.0	782.15	D.I only	777.62	.00294
5	9+26.0	793.15	778.21	778.21	.00280
6	11+26.0	784.10	D.I only	779.45	.00370
7	13+26.0	785.15	780.69	780.18	.0037
8	15+26.0	785.96	D.I only	780.93	.0037
9	17+26.0	786.11	782.12	781.63	.00280
10	19+26.0	787.58	D.I only	781.87	.00280
11	21+26.0	785.44	781.35	780.87	.00280
12	23+26.0	784.37	D.I only	780.87	.00280
13	25+26.0	784.29	780.87	780.61	.00280
14	27+26.0	784.65	D.I only	779.67	.00350
15	29+26.0	784.81	779.89	779.37	.00280
16	30+37.0	784.52	779.61	779.04	.00280
17	32+74.0	783.75	779.30	778.90	.00320
18	34+74.0	783.40	D.I only	778.66	.00320
19	36+74.0	782.46	778.52	778.08	.00400
20	38+74.0	781.67	D.I only	777.52	.00400
21	40+65.5	Mil only	777.00	776.51	.00435
22	0+46.5	Mil only	774.66	774.06	.00435
23	2+91.0	779.98	775.98	775.36	.00435
24	5+26.0	784.15	D.I only	776.68	.00435
25	7+26.0	782.15	778.20	777.70	.00500
26	9+26.0	783.15	D.I only	778.20	.00500
27	11+26.0	784.15	780.20	779.70	.00125
28	13+26.0	785.15	D.I only	780.15	.00125
29	15+26.0	785.96	781.00	780.50	.00125
30	17+26.0	786.15	D.I only	780.98	.00125
31	19+26.0	787.83	781.90	781.40	.00125
32	21+26.0	785.60	D.I only	783.91	.00125
33	23+26.0	784.97	781.05	780.55	.00125
34	25+26.0	784.36	D.I only	780.10	.00125
35	27+26.0	784.45	780.20	779.70	.0091
36	29+26.0	784.26	780.44	779.90	
37	31+53.0	783.81	779.80	779.30	.00350
38	33+74.0	783.56	779.49	778.94	.00350
39	36+74.0	782.90	D.I only	778.24	.00330
40	38+74.0	782.19	778.24	777.74	.00330
41	39+74.0	781.52	D.I only	777.04	.00330
42	40+65.5	Mil only	776.99	776.49	

N-NW-E-SE LANDING STRIP

M.H. & Inlet No.	Sta	Grating Top El.	M.H. Bot El	Drainage Pipe Invert El	Pipe Slope
43	0+46.5	Mil only	776.26	775.58	.00200
44	2+88.0	781.36	776.96	776.56	.00200
45	4+98.0	781.28	D.I only	776.74	.00200
46	6+00.0	781.81	777.96	777.16	.00160
47	8+00.0	782.13	D.I only	777.70	.00280
48	10+00.0	782.44	778.08	777.86	.00280
49	12+00.0	779.24	D.I only	778.82	.00280
50	14+19.0	779.82	779.34	779.34	
51	21+00.0	781.81	777.98	778.46	.0021
52	23+80.0	782.04	778.64	778.07	.0021
53	25+00.0	782.19	D.I only	778.60	.0021
54	27+00.0	782.26	777.93	777.73	.0020
55	29+00.0	781.99	D.I only	777.78	.0020
56	31+00.0	781.71	777.13	776.38	.0050
57	33+27.0	781.39	D.I only	777.13	.0020
58	35+53.6	Mil only	776.32	775.47	
59	0+46.5	Mil only	776.69	775.90	.00200
60	2+90.0	781.30	D.I only	776.20	.00200
61	4+98.0	781.53	777.72	777.60	.00200
62	6+98.0	781.85	D.I only	777.60	.00200
63	8+00.0	782.13	778.02	777.80	.00200
64	10+00.0	782.41	D.I only	777.80	.00200
65	12+00.0	782.64	778.70	778.20	.00200
66	14+00.0	783.35	D.I only	778.60	.00200
67	16+00.0	783.72	779.50	779.00	
68	21+00.0	783.67	779.40	778.90	.00200
69	23+00.0	783.47	D.I only	779.30	.00200
70	25+00.0	783.53	779.50	778.10	.00200
71	27+00.0	783.48	780.07	779.79	.00200
72	29+00.0	783.20	777.61	777.36	.00200
73	31+00.0	781.72	D.I only	776.90	.00200
74	33+00.0	781.46	777.07	776.45	.00200
75[c]	35+53.6	Mil only	777.07	C	

a - MH 16 is 79'-0" from E runway.
Drop inlet 16 is 75' from E runway at 35+38+57.70.
b - MH 37 is 92'-0" from E runway.
Drop inlet 37a 81.5' from E runway at 37a A6.50.
c - Invert Elevations of MH 75 are:
For 18" pipe 775.00
For 18" pipe 775.00
For 24" pipe 775.00.

LEGEND

- Drop inlet and 'T' branch
- Manholes
- Manhole and inlet
- End of pipe noted
- Drainage pipe outlet
- Longitudinal drain, showing pipe size
- Field drain, showing pipe size
- MH Manhole
- Drainage ditch
- Old roads
- D.I Drop inlet

NOTES

Elevations are in feet and refer to the plane of Mean Sea Level at Sandy Hook, N.J.
Location of ditches not to scale.
Slope invert of ditches uniformly between elevations shown.
Elevations on pipes and ditches refer to invert.
For original topography, see Sheet No. 2.
For grading plan, see Sheets No. 4 and 5.
For profiles, see Sheets No. 6 and 7.
For paving plan, see Sheet No. 8.

RAINFALL INTENSITY-DURATION CURVE

Taken from "Rainfall Intensity-Frequency Data" by D. L. Yarnell, U.S. Dept. of Agriculture

Note:- Drainage structures were designed by the "modified rational method" using the rainfall curve shown, with runoff coefficients of 0.5 for pavement and 0.3 for turf.

Rainfall in inches per hour
Frequency-once in 10 years
Design value
Duration in Minutes

DETAIL C - SECTION IN ROCK

SECTION A/A THRU LONGITUDINAL DRAIN & GUTTER

Scale: 1/4"=1'-0"

79'-0" to ℄ of Runway
75'-0" to ℄ of Runway
8'-0"
1'-8"
1¼% Slope (Max)
¼% Slope (Max)
Top 6" of aggregate ¾" to 1½" in size
Granular back Fill
Longitudinal drain pipe, Diam. Varies
Pavement
Gravel fill

TYPICAL PLAN OF INLET, GUTTER & DRAIN

Scale: 1/8"=1'-0"

℄ Manhole & Drop Inlet
℄ Drop Inlet
℄ Landing Strip
Warp to grading
4'-0" Diam. Drop Inlet
Longitudinal drain
Longitudinal drainage pipe Dia. as noted

SECTION A/9 THRU LONGITUDINAL DRAIN AND GUTTER

Not to Scale.

For location of manholes & drains at intersection see notes & details A12.
79'-0" to ℄ of Runway
75'-0" to ℄ of Runway
8'-0"
1'-0"
One layer of tar treated cotton fabric
Gutter
Pavement
Edge of pavement
10" Dia. corr. metal pipe
Granular back Fill Longitudinal drain pipe Diam. varies
Gravel fill
See detail 'C' for section in rock
Y-Branch. Dip of run seams 22½ Longitudinal pipe Dia. of Branch 8" Longitudinal drainage pipe Dia. as noted

Note:- One vertical row of manhole steps placed 11'-0" c.c. for full height of manhole

PLAN

Scale 1" = 200'

Table showing variable "V" for riprap at Headwall

H.W. Sta	H.W. on set	"V"
−0+61.N-S.	79' West.	5'-6"
−0+35. N-S.	79' East.	14'-6"
36+35.5 N.W.-S.E.	79' South.	11'-6"
41+06. N-S.	79' East.	10'-0"
41+44 N-S.	79' West.	1'99"
0+46.5 NW-S.E.	335° North.	6'-0"
24+94. N-S.	29.8 West.	10'-6"

TYPICAL SECTION THRU CONCRETE HEADWALL

Not to Scale

Drainage pipe
Riprap
1'-0"

Headwall Dimensions					
Diam.	H		S	L	
Inches	Ft.	In.	Ft.	Ft.	In.
12	2	3	3	10	6
15	2	6	3	10	6
18	2	9	4	0	11
24	3	3	4	0	3

SECTION D/9

Not to Scale

SECTION E/9

Not to Scale

HALF PLAN

Not to Scale

TYPICAL SECTION C/9 THRU FIELD DRAIN OUTLET

Not to Scale

SECTION F/9

SCALE 1/4"=1'-0"

Original ground surface
Payment line for excavation
5'-0"

SECTION B/9 THRU MANHOLE & DROP INLET

Scale 1/4"=1'-0"

Construction Casting Corp. C.I. Head & Grating No. 31165 or equal
Construction Casting Corp. C.I. Head & Cover No. 29335, or equal
79'-0" to ℄ of Runway
75'-0" to ℄ of Runway
8'-0"
4'-0"
Warp to grading
6" Diam. cor. metal pipe
4'-0" Diam.
Slope 1 in. per ft.
8" Brick wall Drainage pipe, Diam. Varies
Manhole Steps 7'-0" c.c.
6'-0" Diam.
Pavement
Gravel fill
4 Grade 12" c.c. both ways. Min. cover 3'.

TYPICAL SECTIONS THRU LANDING STRIP AND PAVEMENT

Not to Scale

500' Landing Strip
250'-0"
79'-0"
75'-0"
4'-0"
150' Pavement
6'-0"
Original ground surface
1 on 5 slope
1¼ Slope (Max)
1½% Slope (Max)
1% slope
1 on 2½ slope
1 on 7 slope
1 on 4½ slope
Drainage pipe Longitudinal drain
Pavement
Gravel Fill
Varies
20' (Min)
10'
6'
Gutter 2½ Corps

NOTE: Cover on drainage pipe is 3'-6" minimum

KEY	DATE	REVISION INDICATED BY (1)	REV. BY	CK. BY
	12-14-43	"As-built" Revisions — J.R.W. & Co.		

AS-BUILT DRAWING

1 SEPTEMBER 1943

E. W. GARBISCH
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER

CONTRACT NO. W-1097-eng-2918 & 29-4

C. A. A. CONSTRUCTION PROGRAM

RUTLAND AIRPORT

DRAINAGE PLAN & DETAILS

RUTLAND — VERMONT

IN 11 SHEETS — SCALE: 1 IN. = 200 FT. — SHEET NO. 9

0 200' 400'

U. S. ENGINEER OFFICE, NEW YORK DISTRICT, NEW YORK. AUGUST - 1942.

Submitted: F. C. Fanuzzi, Engineer.
Recommended: Principal Engineer.
Approved: Colonel, Corps of Engineers.
Approved for C.A.A.: Harvey F. Low (Signed), Superintendent of Airports.

To Accompany Specifications Dated MARCH 13, 1942.

PROV. FILE NO. NA-4-1031

FILE NO. A-500.

9

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY

KEY	DATE	REVISION (Indicated by △)	REV'BY	CK'BY	APP'BY
1	4-22-43	Boundary light and cable relocated.	E.S.W.		
2	10 Aug 43	Wind Tee Replaced	E.S.W.		
	12-14-45	"As-built" Revisions — J.R.W. & Co			

AS-BUILT DRAWING
1 SEPTEMBER 1943
E. W. GARBISCH
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER
CONTRACT NO. W-1097-eng-2918 & 2914

ELECTRICAL EQUIPMENT LIST (CONTROL HOUSE)

1. Pothead - disconnecting type.
2. Fuse Cutout - Primary.
3. Main Oil Circuit Breaker - Manual. Handle outside vault
4. Oil Switch - Remote Control
5. Constant Current Regulator
6. Series Protective Relay
7. Distribution Transformer.
8. Air Circuit Breaker - Secondary
9. Air Circuit Breaker - Panel Board type
10. Main panel Disconnecting Switch or circuit breaker
11. Control & Distribution Cabinet
12. Time Switch Disconnect or circuit breaker
13. Time Switch
14. Future Remote Control Wires to Control Tower
15. Future Remote Control Contractor for Sub Mounting
16. Control Switch or circuit breaker
17. Neutral Bar.
18. Breaker Panel in weatherproof cabinet at top of Beacon Tower

PLAN

SECTION A

SECTION B

ELEVATION

ELEVATION

CONTROL HOUSE
Scale 3/8" = 1'-0"

WIRING DIAGRAM
NOT TO SCALE

BEACON TOWER
NOT TO SCALE

TYPICAL DETAIL OF CONNECTOR WITH BELL REDUCER

TABLE 3 OF BELL REDUCER SIZES REQUIRED.	
Table O.D. in Inches	Bell Reducer
.375 - .539	1" - 1"
.540 - .625	1" - 1"
.625 - .750	1" - 1"
.750 - .875	1" - 1"
.875 - 1.000	None

DETAIL OF BOUNDARY AND RANGE CONE
NOT TO SCALE

STANDARD COLOR ARRANGEMENT

WIND TEE
NOT TO SCALE

ELEVATION OF MOUNTING BASE

PLAN
SCALE: 1" = 200'

UNDERGROUND ISOLATING TRANSFORMER INSTALLATION
NOT TO SCALE

ARRANGEMENT OF MAIN OIL CIRCUIT BREAKER
NOT TO SCALE

LEGEND
- Boundary light - clear
- Range light - green
- 4" Underground duct (Tile-future contact light)
- Wind Tee - exact position was determined in field
- Ceiling outlet
- Junction box
- Relocated cable

NOTES

All conduits in Control House are concealed under floor except as indicated.
All ducts are laid so that top of duct is at least 2' below finished grade level.
At the direction of the contracting officer, a portion of the boundary lights at the northeast corner of the intersection of the North-South runway, and the West to Northeast - East Southeast runway, may be required to include a portion of the Spoil Area.

REVISION "4" 5-14-43 - Obstruction Lights atop tower changed to clean Beacon Light in accordance with C.A.A. letter dated 5/5/43.
REVISION "3" 3-26-43 - Note Portion added to Control House. 4-Underground duct to Boundary light relocated. 5-Lever at Control House relocated. 6-Wind Cone details changed. 7-Conduits for Control House relocated in Ceiling slab. 8-Height of Control House changed. Above revisions in accordance with C.A.A. letter dated 2-19-43.
REVISION "2" 7-23-42 - Rotating Beacon Tower Relocated.

C. A. A. CONSTRUCTION PROGRAM

RUTLAND AIRPORT

ELECTRICAL LAYOUT & DETAILS

RUTLAND VERMONT

IN 11 SHEETS SCALE: 1 IN. = 200 FT. SHEET NO. 10

U. S. ENGINEER OFFICE, NEW YORK DISTRICT, NEW YORK. AUGUST - 1942.

Submitted: J. R. Worcester, Engineer.
Recommended: Principal Engineer.
Approved: Col., Corps of Engineers.
Approved for CAA Harvey T. Law (Signed) Superintendent of Airports.
To Accompany Specifications Dated MARCH 13, 1942

PROV. FILE NO. RA-4-1032
FILE NO. A-501.

TOPOGRAPHIC MAP
OF
BUTLER BROTHERS FARM & ENVIRONS
EAST CLARENDON VT.

SITE FOR RUTLAND AIRPORT

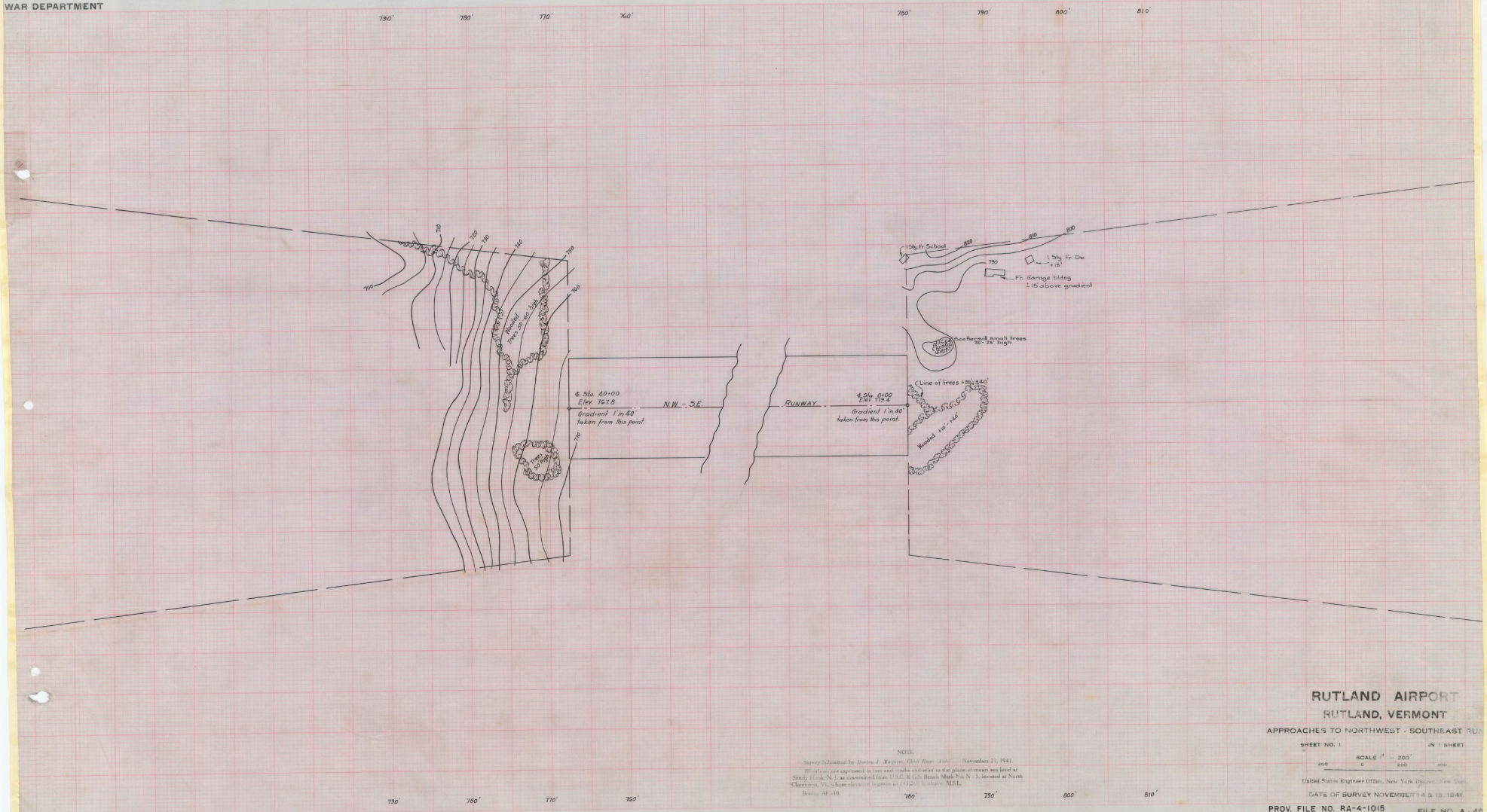
FROM SURVEYS BY
R. A. BURDITT — RUTLAND — OCT. & NOV. 1940
&
EUGENE CERUTTI — STATE PLANNING BOARD — DEC. 1940 — JAN. 1941

VERMONT STATE PLANNING BOARD
JANUARY 1941

SCALE IN FEET
200 0 200 400 600
CONTOUR INTERVAL 2 FT.

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S.



NOTE

Survey Submitted by Burton J. Hayden, Civil Engr. Asst. — November 21, 1941.

Elevations are expressed in feet and tenths and refer to the plane of mean sea level at Sandy Hook, N. J. as determined from U.S.C. & G.S. Bench Mark No. N - 5, located at North Clarendon, Vt., whose elevation is given as 670.25 ft. above M.S.L.

Datum AF-10.

RUTLAND AIRPORT

RUTLAND, VERMONT

APPROACHES TO NORTHWEST - SOUTHEAST RUN

SHEET NO. 1 — IN 1 SHEET

SCALE 1" = 200'

200 0 200 400

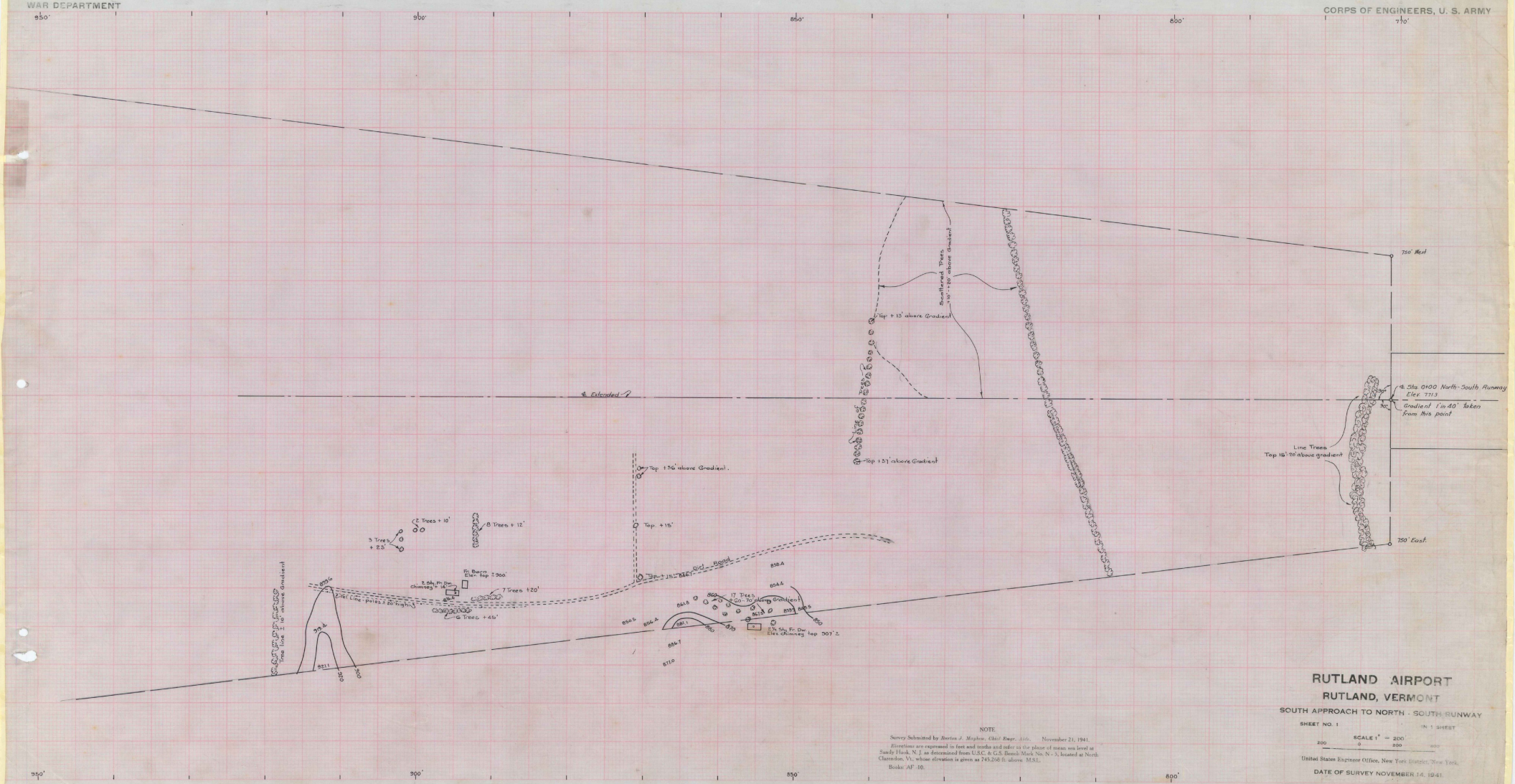
United States Engineer Office, New York District, New York

DATE OF SURVEY NOVEMBER 14 & 15, 1941

PROV. FILE NO. RA-4-1015 — FILE NO. A - 48

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



NOTE

Survey Submitted by *Burton J. Mayhew, Chief Engr. Adv.* November 21, 1941.

Elevations are expressed in feet and tenths and refer to the plane of mean sea level at Sandy Hook, N. J. as determined from U.S.C. & G.S. Bench Mark No. N - 3, located at North Clarendon, Vt., whose elevation is given as 745.268 ft. above M.S.L.

Books: AF-10.

RUTLAND AIRPORT

RUTLAND, VERMONT

SOUTH APPROACH TO NORTH - SOUTH RUNWAY

SHEET NO. 1 IN 1 SHEET

SCALE 1" = 200'

200 0 200 400'

United States Engineer Office, New York District, New York.

DATE OF SURVEY NOVEMBER 14, 1941.

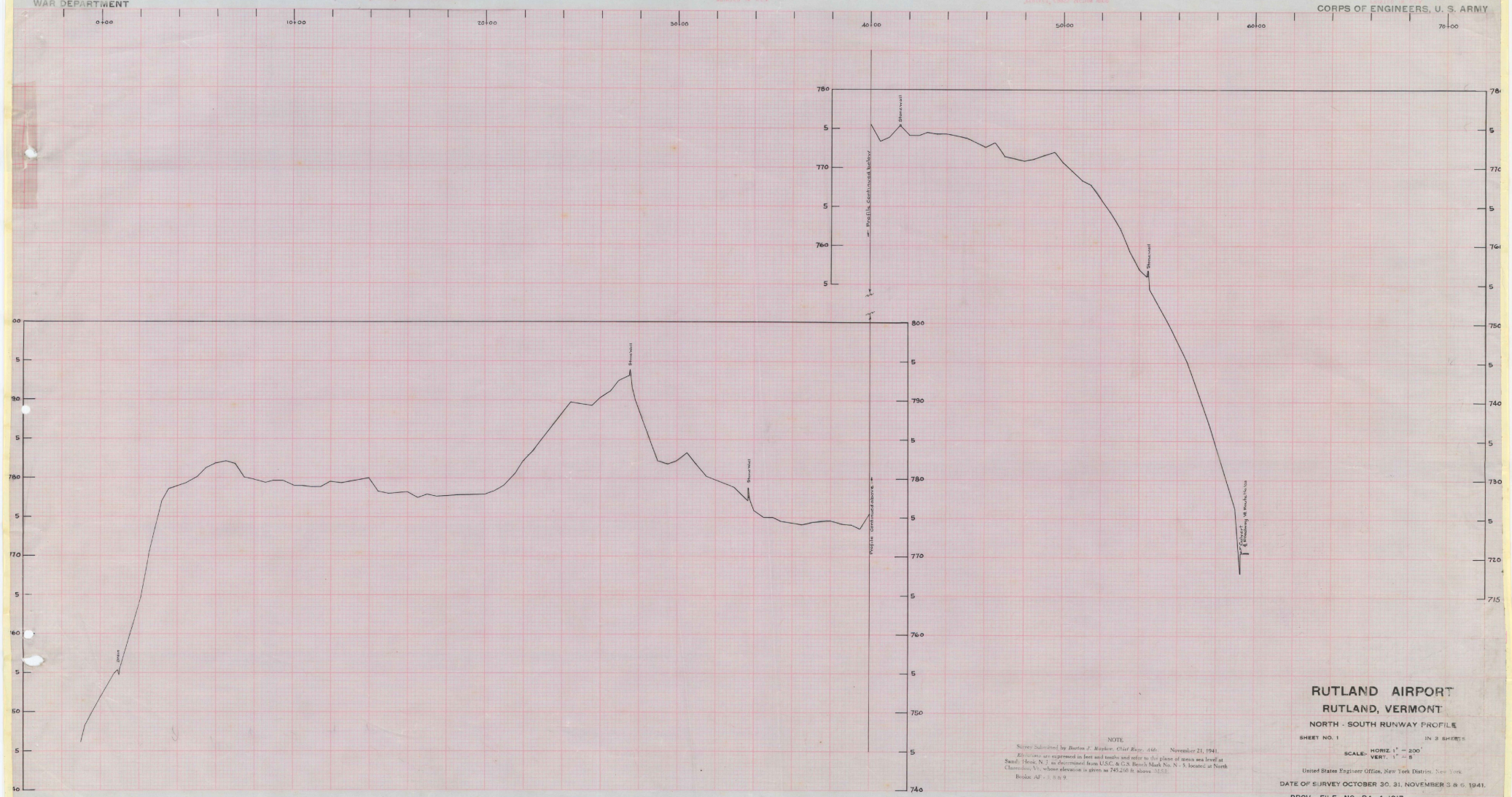
PROV. FILE NO. RA-4-1016 FILE NO. A-485.

EAST PROFILE

NORTH — SOUTH — RUNWAY

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



NOTE

Survey Submitted by *Burton J. Hopkins*, Chief Engr. 446. November 21, 1941.

Elevations are expressed in feet and tenths and refer to the plane of mean sea level at Sandy Hook, N. J. as determined from U.S.C. & G.S. Bench Mark No. N - 5 located at North Clarendon, Vt. whose elevation is given as 745.256 ft. above M.S.L.

Books AF - 1 & 2.

RUTLAND AIRPORT

RUTLAND, VERMONT

NORTH - SOUTH RUNWAY PROFILE

SHEET NO. 1 IN 3 SHEETS

SCALE: HORIZ. 1" = 200'
VERT. 1" = 5'

United States Engineer Office, New York District, New York.

DATE OF SURVEY OCTOBER 30, 31, NOVEMBER 3 & 6, 1941.

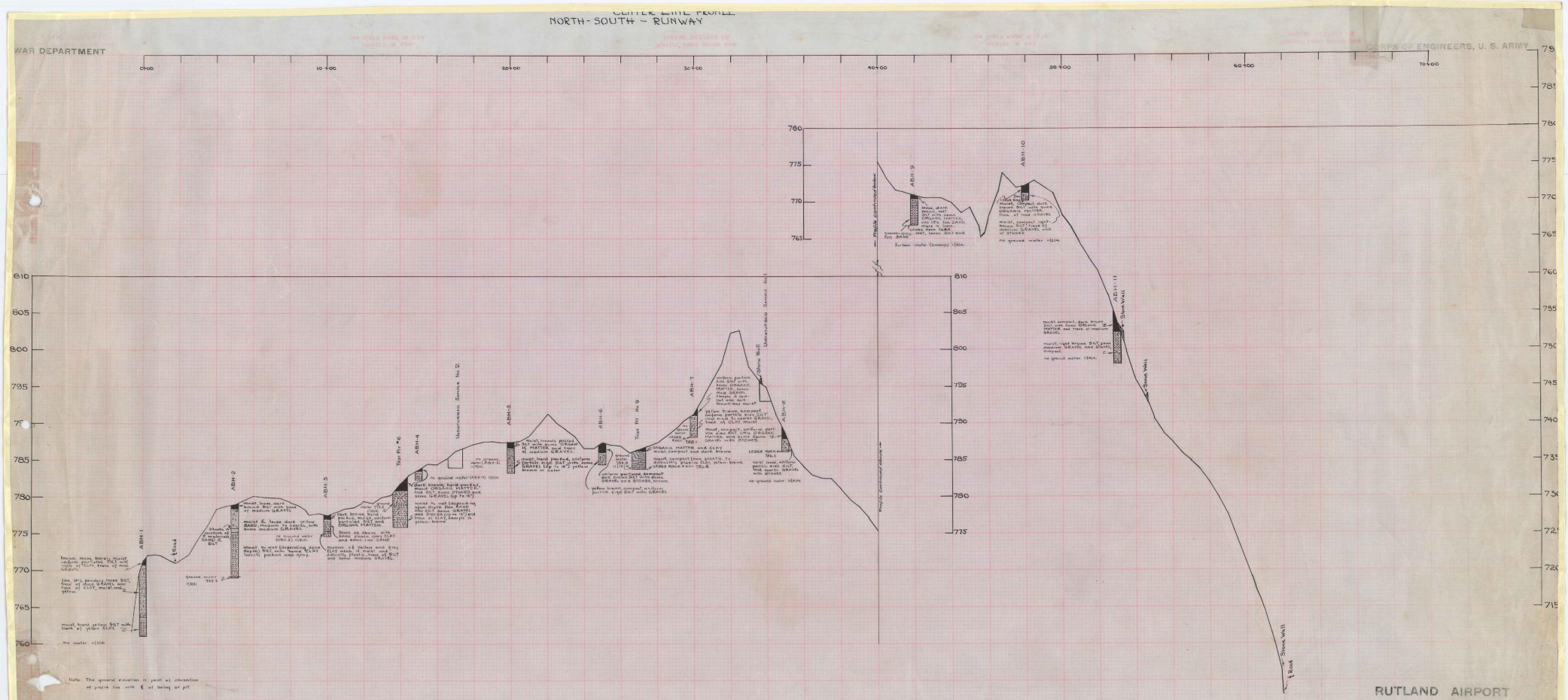
PROV. FILE NO. RA-4-1017 FILE NO. A-486.

Sheet No. 1 of 3

CENTER LINE PROFILE
NORTH - SOUTH - RUNWAY

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



NOTE
Surveys Submitted by Burton J. Hopkins, Chief Engr. Aide, November 21, 1941.
Elevations are expressed in feet and tenths and refer to the plane of mean sea level at Sandy Hook, N. J. as determined from U.S.C. & G.S. Bench Mark No. N. 5. located at North Clarendon, Va., whose elevation is given as 745.268 ft. above M.S.L.
Books AF - 3, 8 & 9.

Sheet No 2 of 3

RUTLAND AIRPORT
RUTLAND, VERMONT
NORTH - SOUTH RUNWAY PROFILE & BORINGS

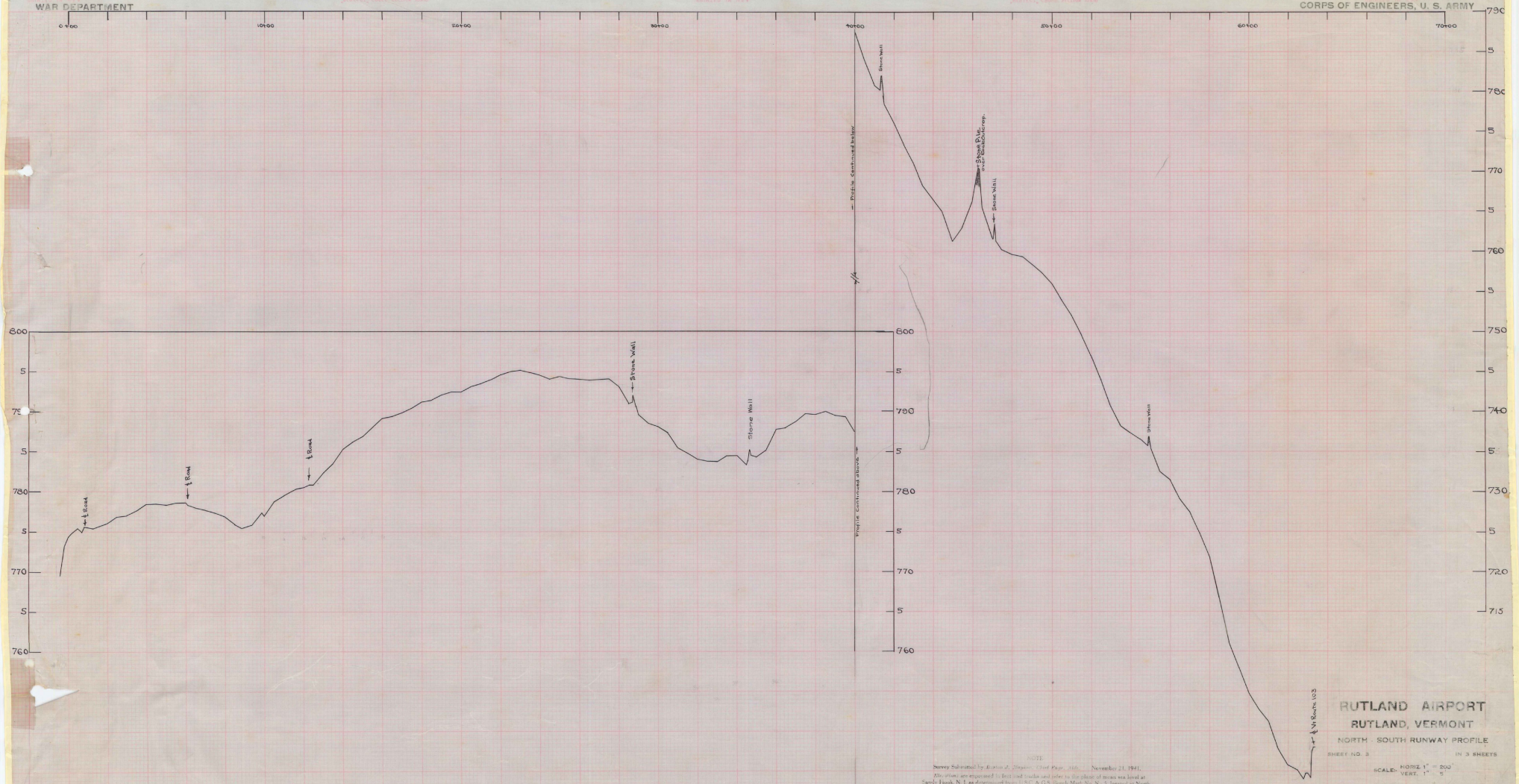
SHEET NO. 2 IN 3 SHEETS
SCALE: HORIZ. 1" = 200'
VERT. 1" = 5'

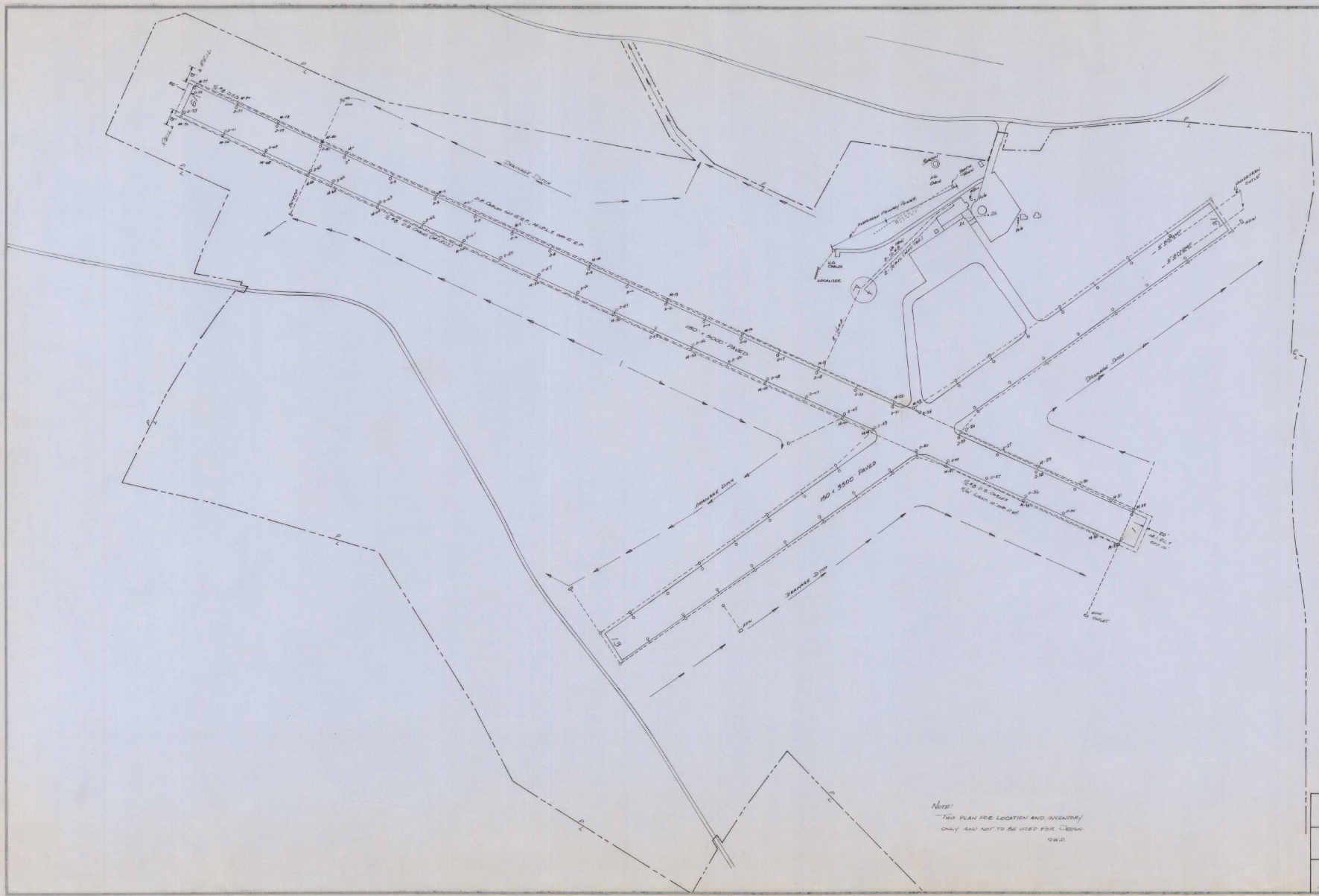
United States Engineer Office, New York District, New York.
DATE OF SURVEY OCTOBER 30, 31, NOVEMBER 3 & 6, 1941.
PROV. FILE NO. RA-4-1018 FILE NO. A-487.
RUTLAND 7

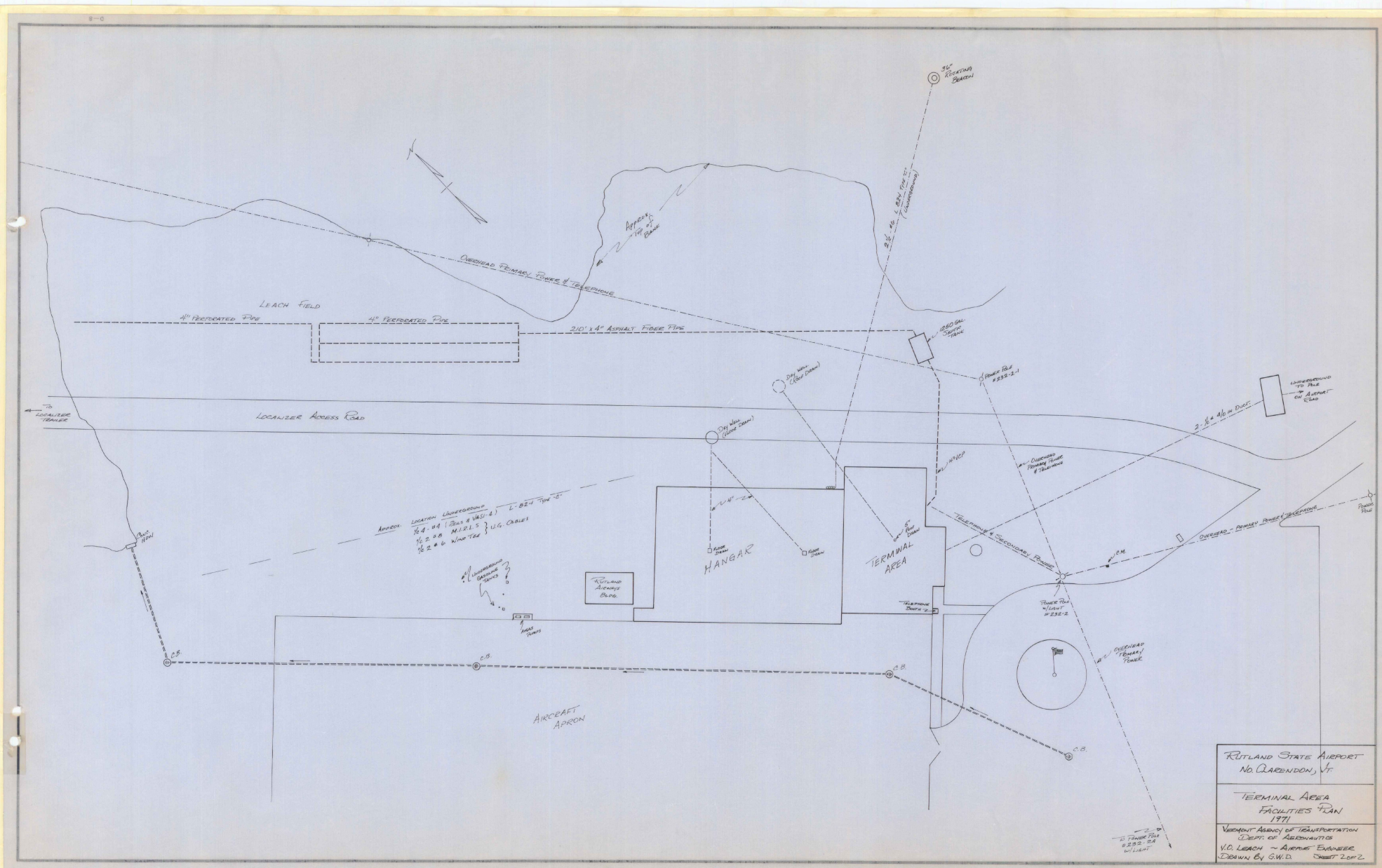
WEST PROFILE
NORTH - SOUTH - RUNWAY

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY


0+00
10+00
20+00
30+00
40+00
50+00
60+00
70+00
Profile Continued Below
Profile Continued Above
Stone Wall
Stone Wall
Stone Wall


Drainage Ditch
150' x 5000' PAVED
60' x 5500' PAVED
Drainage Ditch
Drainage Ditch
Drainage Ditch
Drainage Ditch
Underdrain Outlet
Underdrain Outlet
Underdrain Outlet



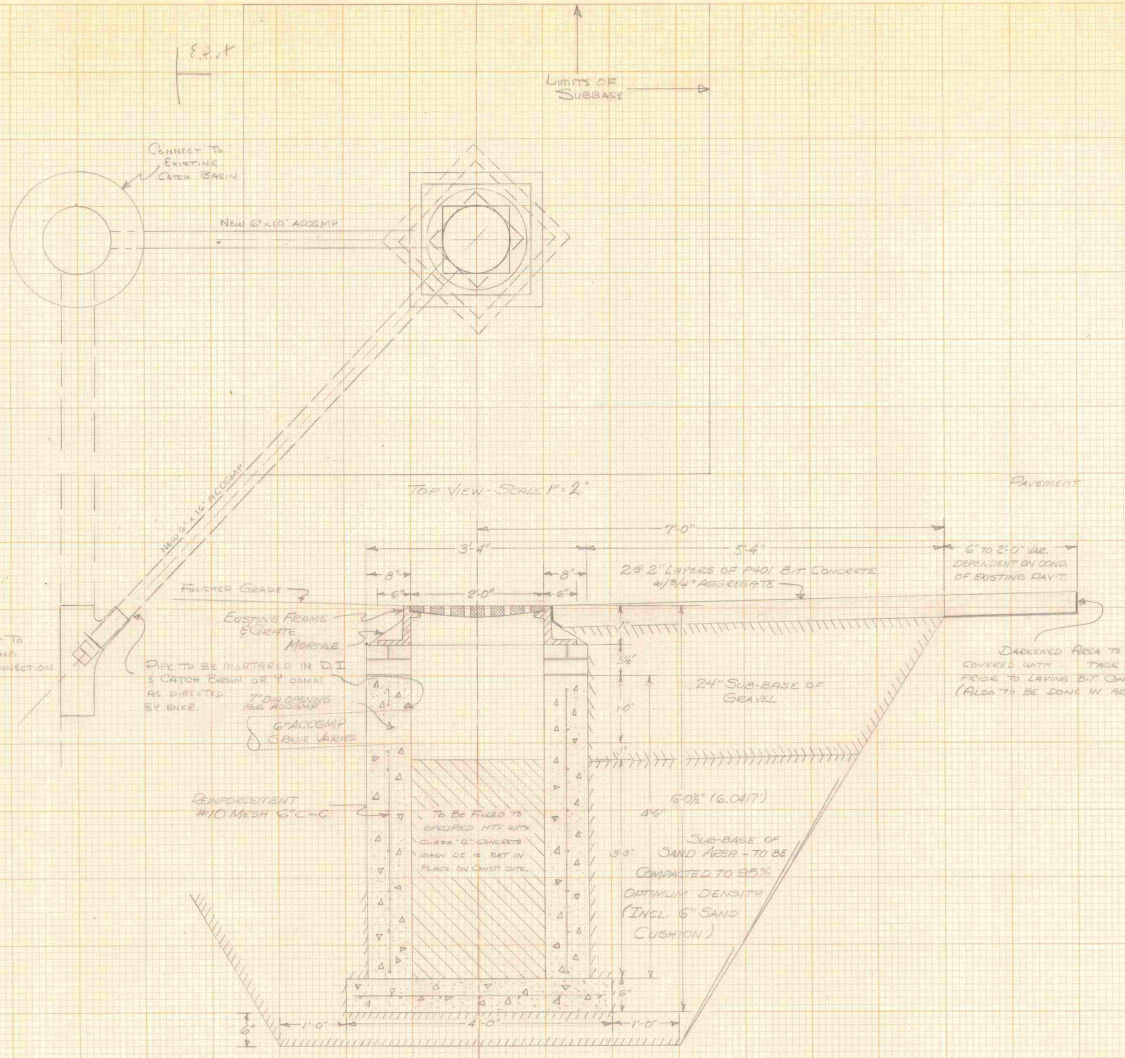
RUTLAND STATE AIRPORT
NO. CLARENDON, VT.

TERMINAL AREA
FACILITIES PLAN
1971

VERMONT AGENCY OF TRANSPORTATION
DEPT. OF AERONAUTICS
V.O. LEACH ~ AIRPORT ENGINEER
DRAWN BY G.W.D. SHEET 2 OF 2

DI#	Station	Finished Grade	DI Invert	MH Invert	Est. F.L. Conn.	Length ACCGMP
2	39+57	780.10	778.10		774.4	6"x16' (.064Ga)
3	37+20	781.23	779.23	776.9		6"x10' (.064Ga)
5	35+20.5	782.06	780.06		776.2	6"x16' (.064Ga)
6	33+21	783.17	781.17	778.9		6"x10' (.064Ga)
8	31+22	784.05	782.05		777.8	6"x16' (.064Ga)
9	29+21	785.16	783.16	779.9		6"x10' (.064Ga)
11	27+19.5	785.98	783.98		779.0	6"x16' (.064Ga)
12	25+18.5	786.21	784.21	781.2		6"x10' (.064Ga)
14	23+20	785.95	783.95		779.8	6"x16' (.064Ga)
15	21+21	785.53	783.53	780.7		6"x10' (.064Ga)
	19+21	785.18	783.18		779.2	6"x16' (.064Ga)
18	17+21	784.44	782.44	779.8		6"x10' (.064Ga)
20	15+21	784.52	782.52		779.0	6"x16' (.064Ga)
21	13+20	784.53	782.53	780.5		6"x10' (.064Ga)
24	11+88	784.18	782.18	780.6		6"x10' (.064Ga)
25	9+125	783.45	781.45	780.6		6"x10' (.064Ga)
27	7+73	783.11	781.11		778.2	6"x16' (.064Ga)
28	5+73	782.49	780.49	779.2		6"x10' (.064Ga)
30	3+73	781.88	779.88		777.0	6"x16' (.064Ga)
34	3+73	781.52	779.52		776.0	6"x16' (.064Ga)
36	5+13	782.17	780.17	779.5		6"x10' (.064Ga)
37	7+73	782.81	780.81		776.7	6"x16' (.064Ga)
39	9+72.5	783.96	781.36	780.1		6"x10' (.064Ga)
40	11+00	784.08	782.08	781.2		6"x10' (.064Ga)
43	13+20	784.44	782.44	781.7		6"x10' (.064Ga)
45	15+21	784.71	782.71	780.9		6"x10' (.064Ga)
47	17+21	784.94	782.94		779.6	6"x16' (.064Ga)
48	19+21	785.34	783.34	781.9		6"x10' (.064Ga)
50	21+21	785.55	783.55		780.6	6"x16' (.064Ga)
51	23+20	786.16	784.16	782.9		6"x10' (.064Ga)
53	25+18.5	786.31	784.31		780.7	6"x16' (.064Ga)
54	27+19.5	786.05	784.05	782.2		6"x10' (.064Ga)
56	29+21	785.05	783.05		779.9	6"x16' (.064Ga)
57	31+22	784.06	782.06	780.7		6"x10' (.064Ga)
59	33+21	783.09	781.09		778.3	6"x16' (.064Ga)
60	35+20.5	782.08	780.08	779.2		6"x10' (.064Ga)
62	37+20	781.48	779.48		776.1	6"x16' (.064Ga)
63	39+57	780.09	778.09	777.0		6"x10' (.064Ga)

64*



PRECAST DROP INLET
STD. 526 (ESSEX STD.)
AS CONSTRUCTED BY S.T. GIESIGOLD & COMPANY, INC.

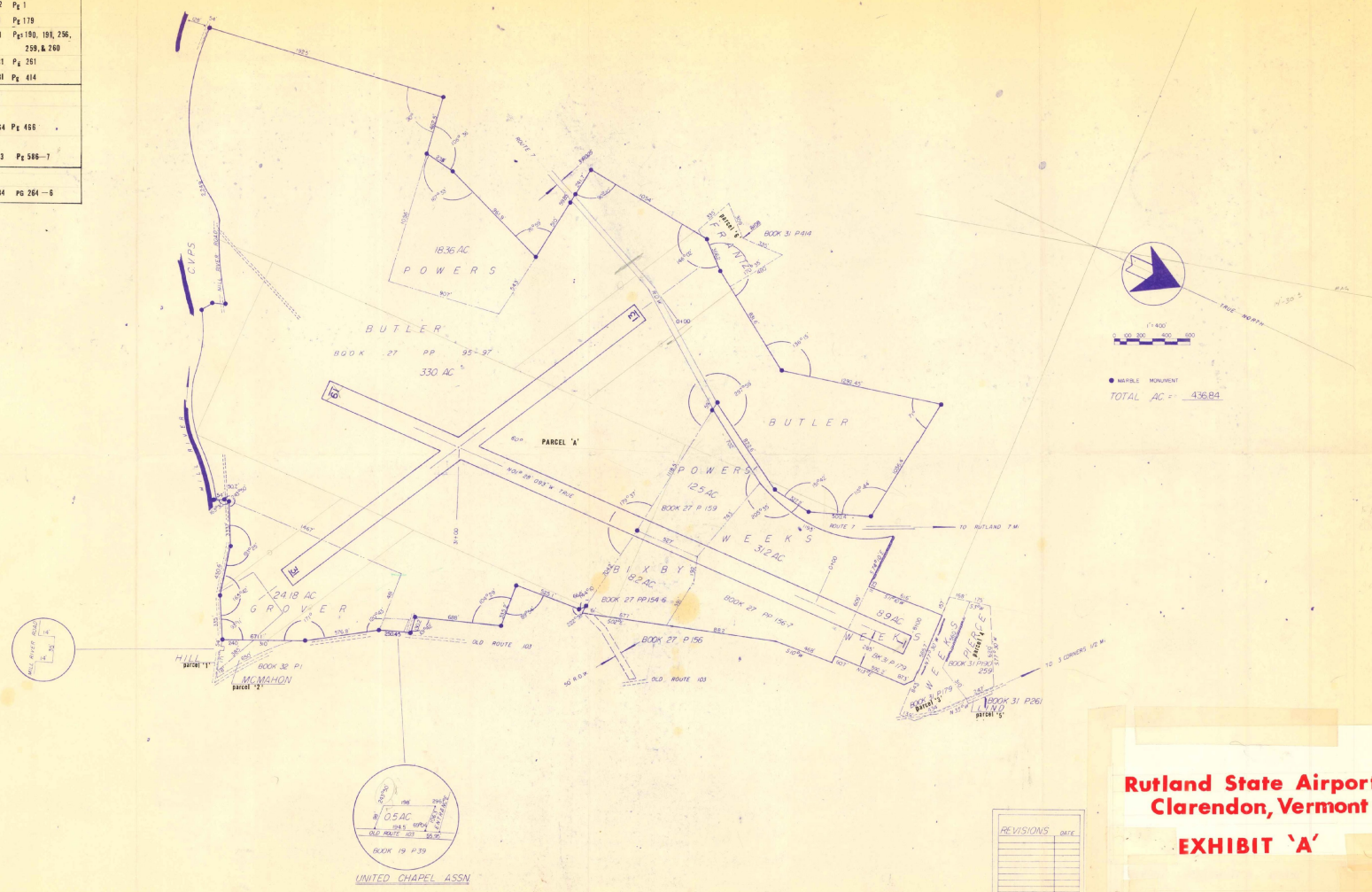
SCALE 1"=1' HORIZ.
1"=1' VERT.

STATE OF VERMONT
PRELIMINARY PLANS

RUTLAND ADAP 8-50-0015-01
DRAWN BY R. KEEE 5-71
G. SHEPARDSON - AIRPORT ENGINEER

K+E STANDARD © CROSS SECTION
KEUFFEL & ESSER CO.
MADE IN U.S.A.
K+E STANDARD © CROSS SECTION

PARCEL NO.	DESCRIPTION — GRANTOR	RECORDED
	AVAGATION EASEMENTS	
1	A & I HILL	Bk 32 Pg 1
2	MCMAHON	Bk 32 Pg 1
3	T S WEEKS	Bk 31 Pg 179
4	T PIERCE	Bk 31 Pg 190, 191, 256, 259, & 260
5	LIND	Bk 31 Pg 261
6	V K FRANTZ	Bk 31 Pg 414
	NAVIGATIONAL AID PARCELS	
A A	TOWN OF PITTSFORD — NDB F & M PARKER — LEASE	Bk 64 Pg 456
B B	TOWN OF RUTLAND — LFM CVPS CORP — LEASE	Bk 23 Pg 586—7
	AIRPORT	
A	CITY OF RUTLAND	BK 34 PG 264—6

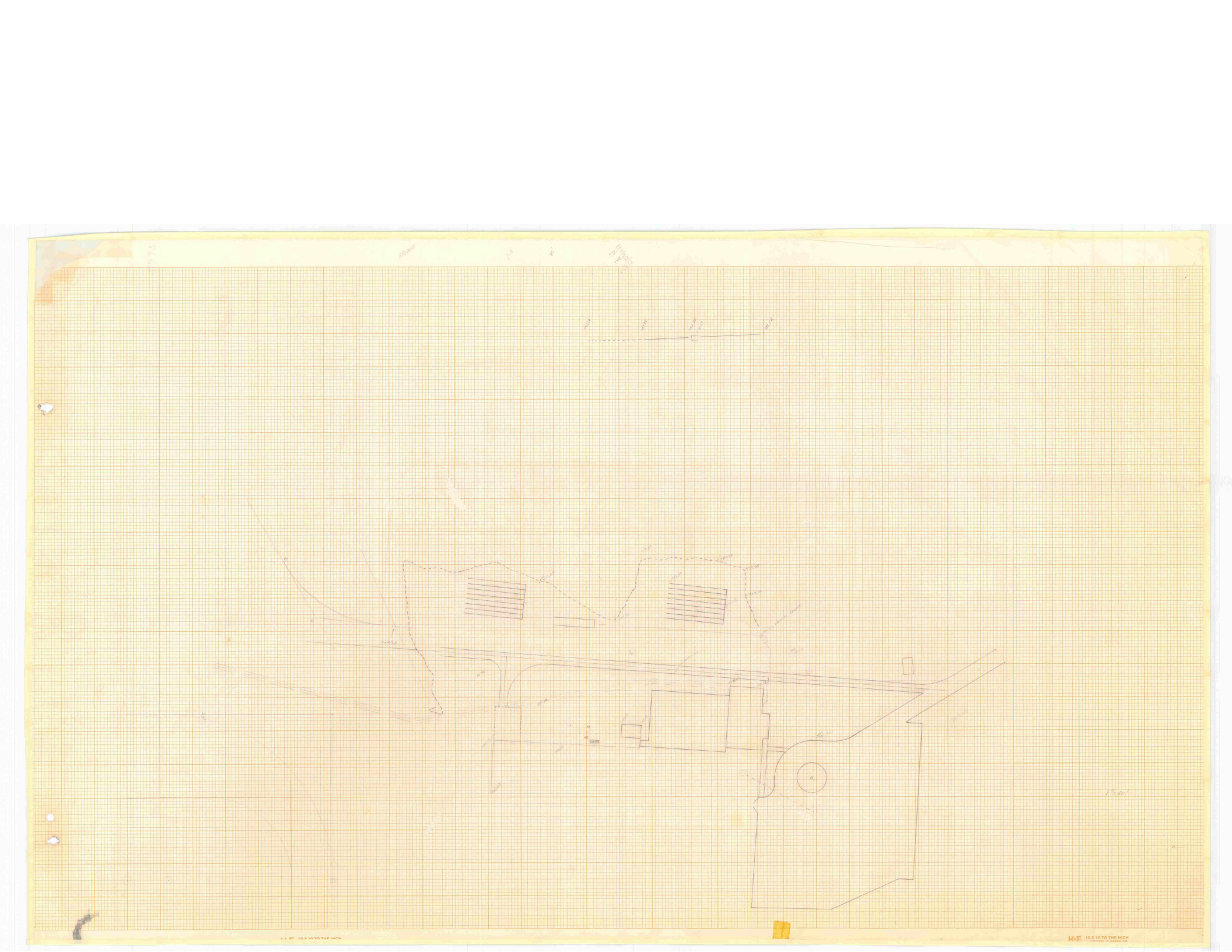


Rutland State Airport
Clarendon, Vermont

EXHIBIT 'A'

VERMONT DEPARTMENT OF AERONAUTICS
MONTPELIER, VERMONT
SCALE 1" = 400'

REVISIONS	DATE

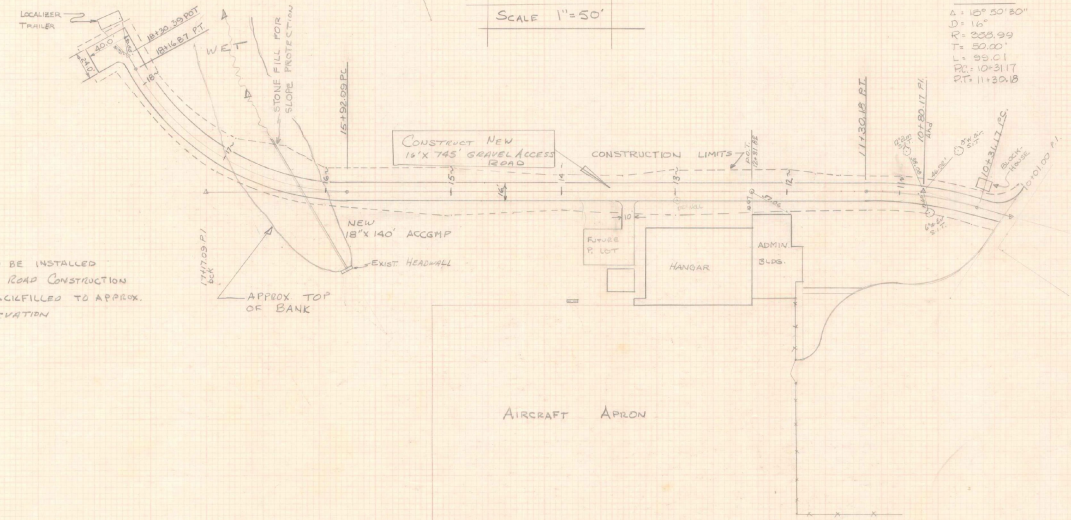


THIS PLAN FOR ACCESS ROAD DESIGN ONLY

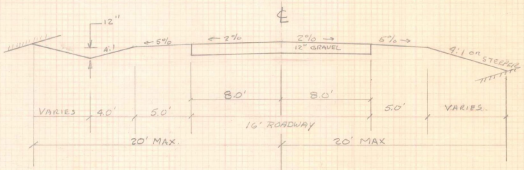
CURVE NO. 2
Δ = 59°48'
D = 26°54'
R = 217.75' ✓
T = 135.00'
L = 224.78 ✓
PC = 15+92.09
PT = 18+16.87

CURVE NO. 1
Δ = 165° 50' 30"
D = 16°
R = 358.99
T = 50.00'
L = 99.01
PC = 10+31.17
PT = 11+30.18

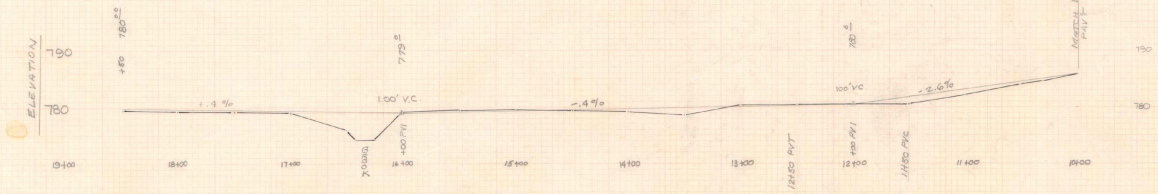
SCALE 1" = 50'



NOTE:
NEW ACCGMP TO BE INSTALLED PRIOR TO ACCESS ROAD CONSTRUCTION.
PIPE TO BE BACKFILLED TO APPROX. SURROUNDING ELEVATION



ACCESS ROAD
TYPICAL
1" = 5'0"



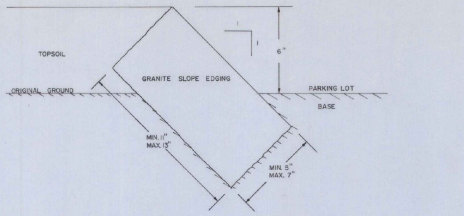
PROFILE
1" = 50'

RUTLAND STATE AIRPORT
CLARENDON, VERMONT

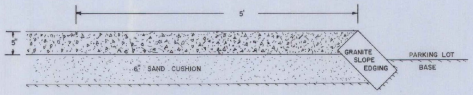
ACCESS ROAD TO LOCALIZER

VERMONT AGENCY OF TRANSP.
DEPARTMENT OF AERONAUTICS

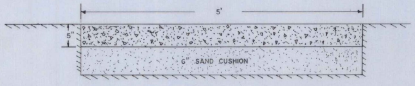
V.D. LEACH	AIRPORT ENGR.
SHEET 1/2	SCALE 1" = 50'



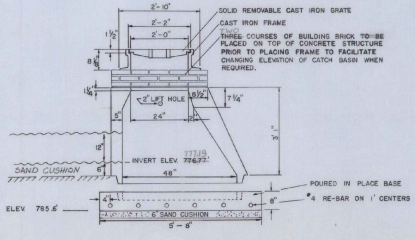
GRANITE SLOPE EDGING DETAIL



POURED IN PLACE CONCRETE SIDEWALK DETAIL



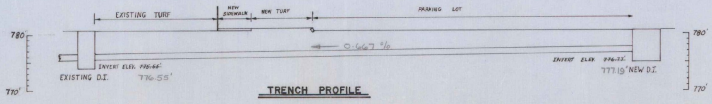
POURED IN PLACE CONCRETE SIDEWALK CROSS SECTION



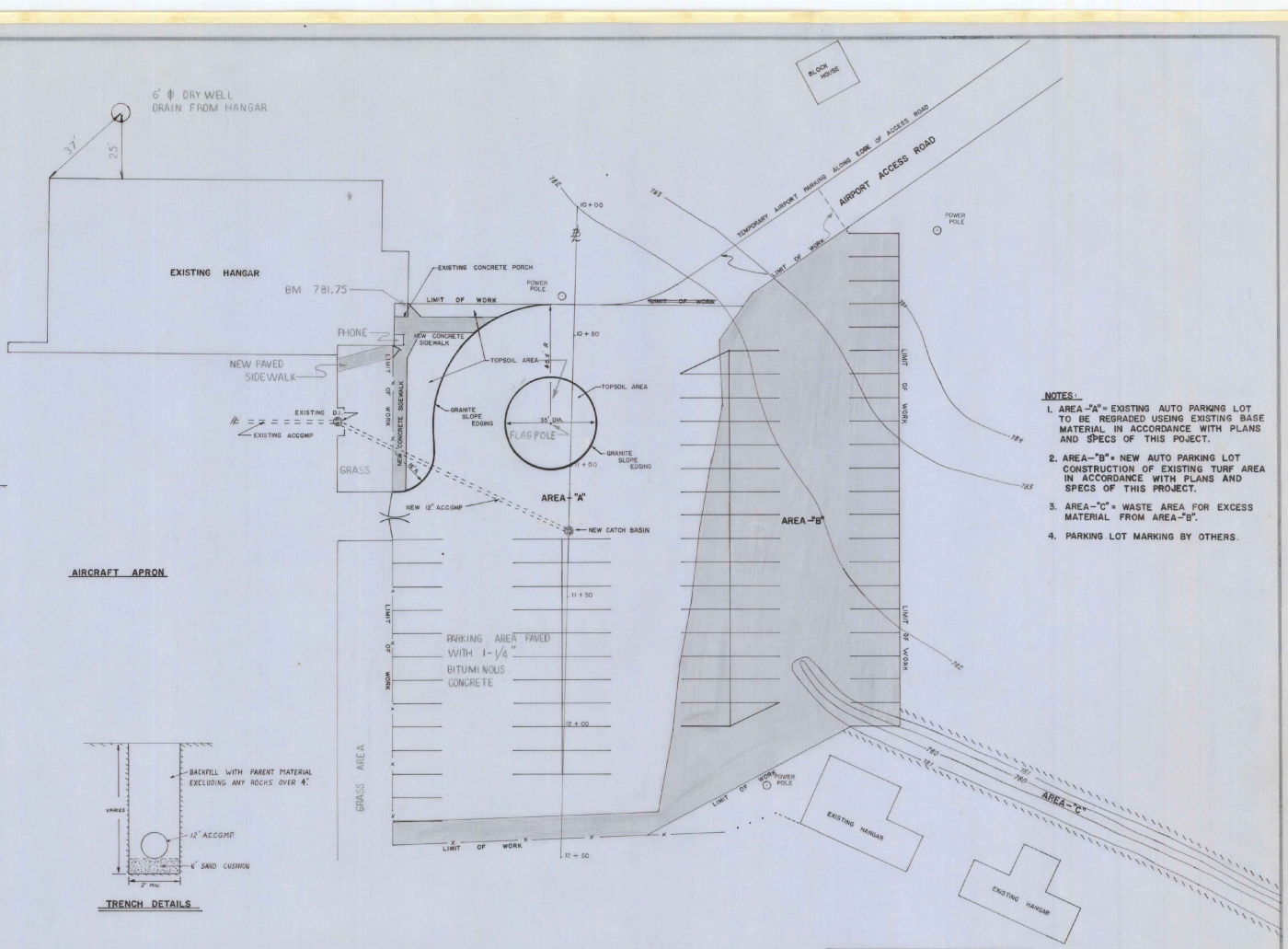
PRECAST REINFORCED CONCRETE CATCH BASIN WITH CAST IRON GRATE AND POURED IN PLACE BASE

PRECAST BASE

TRENCH DETAILS



TRENCH PROFILE



NOTES:

1. AREA - "A" = EXISTING AUTO PARKING LOT TO BE REGRADED USEING EXISTING BASE MATERIAL IN ACCORDANCE WITH PLANS AND SPECS OF THIS POJECT.
2. AREA - "B" = NEW AUTO PARKING LOT CONSTRUCTION OF EXISTING TURF AREA IN ACCORDANCE WITH PLANS AND SPECS OF THIS PROJECT.
3. AREA - "C" = WASTE AREA FOR EXCESS MATERIAL FROM AREA - "B".
4. PARKING LOT MARKING BY OTHERS.

RUTLAND STATE AIRPORT
NORTH CLARENDON, VT.

PARKING LOT EXPANSION

VERMONT AERONAUTICS BOARD
MONTPELIER, VERMONT

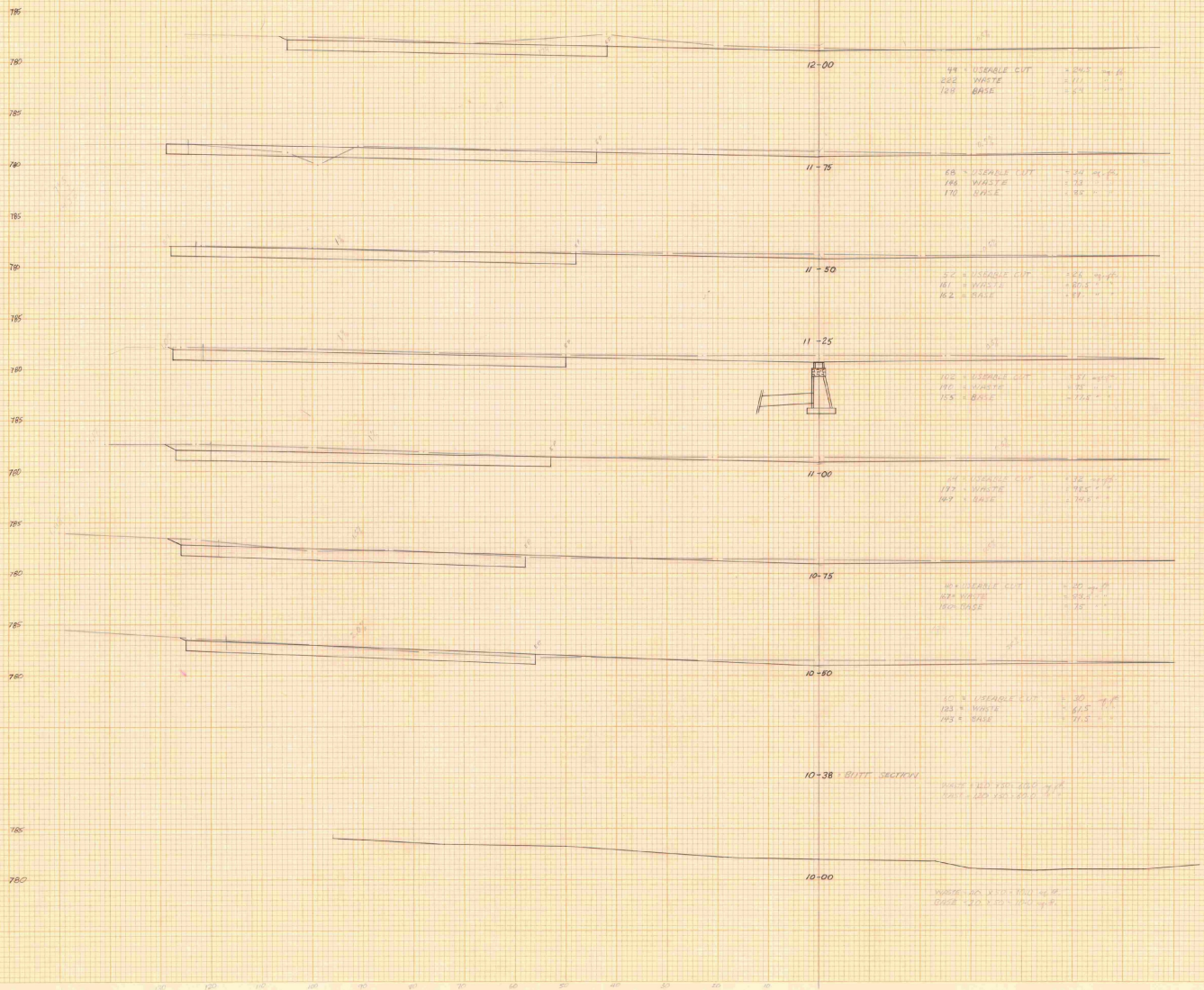
SCALE
1" = 20'

AS BUILT PLANS
Ogsbb W. D'Amico 10-17-73
G.W. D'AMICO RESIDENT ENGINEER

SURVEYED BY V.A.B. DATE 3-28-73
DRAWN BY M. YATES DATE 7-23-73
TRACED BY DATE

PROJ. NO.
SHEET 1 OF

D-7



AS BUILT PLANS

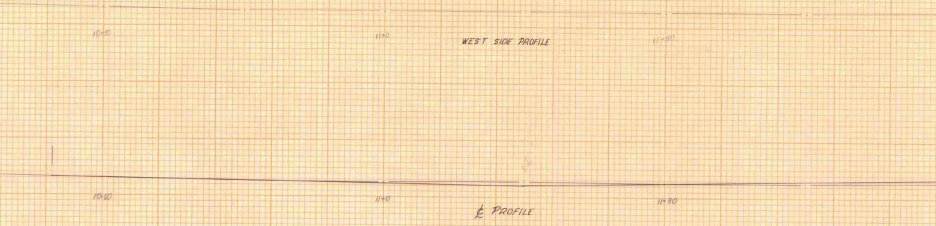
BY Gerald O. D'Amico PROJECT ENGINEER

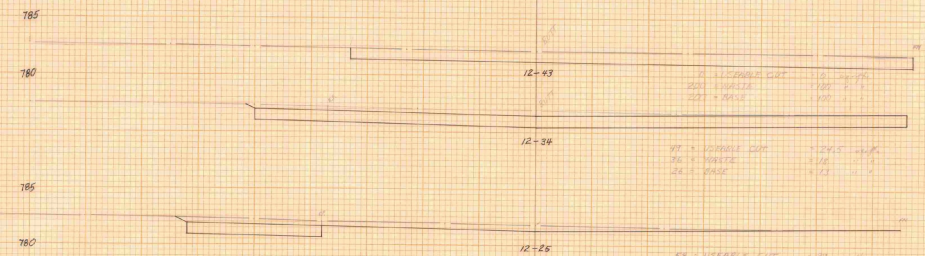
DATE April 17, 1978

RUTLAND STATE AIRPORT
NORTH CLARENDON, VT.

PARKING LOT EXPANSION

VERMONT AERONAUTICS BOARD
MONTPELIER, VERMONT





EARTHWORKS

STATION	GRADE	DIST.	WASTE AREA	WASTE CU. YDS.	USEABLE CUT AREA	USEABLE CUT CU. YDS.	BASE AREA	BASE CU. YDS.
10+00	782.00		10				10.0	
		38		49.3				49.3
10+38	781.70		60.0				60.0	
		Butt	60.0		0.0		60.0	
10+38	781.70			27.0		6.7		27.2
	~~781.60~~ 0.20	12	61.5		30.0		71.5	
10+50				67.1		23.1		67.8
	~~781.40~~ 0.80	25	83.5		20.0		15.0	
10+75				84.3		24.1		69.2
	~~781.20~~ 0.80	25	98.5		32.0		74.5	
11+00				89.6		38.4		70.4
	~~781.00~~ 0.70	25	75.0		51.0		77.5	
11+25				81.3		35.6		73.4
	~~781.22~~ 0.80	25	80.5		26.0		81.0	
11+50				71.1		27.8		76.9
	~~781.44~~ 0.90	25	73.0		34.0		85.0	
11+75				88.8		27.8		70.0
	~~781.67~~	22	145.0		34.0		82.0	
11+97		Butt						
	~~781.67~~		118.0		34.0		68.0	
11+97		3		12.7		3.3		7.3
	~~781.89~~ 0.75		111.0		24.5		64.0	
12+00		25		68.3		24.8		40.7
	~~781.88~~ 0.80		36.5		29.0		24.0	
12+25		9		9.1		8.9		6.2
	~~782.00~~		18.0		24.5		13.0	
12+34		Butt						
			145.5				116.0	
12+43	782.30	9	100.0	40.7			100.0	36.0
TOTAL				689.5		220.5		596.4
TOTAL + (1.25) FILL FACTOR				689.5		275.6		745.5

NOTE: USEABLE CUT FROM EXISTING PARKING LOT ~~TO BE~~ USED AS BASE IN AREA "8".

AS BUILT PLANS

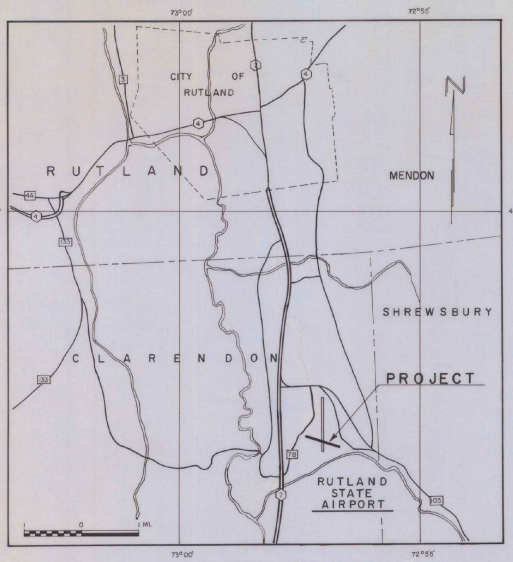
BY Donald D. Damuco PROJECT ENGINEER

DATE April 7, 1974

RUTLAND STATE AIRPORT
NORTH CLARENDON, VERMONT

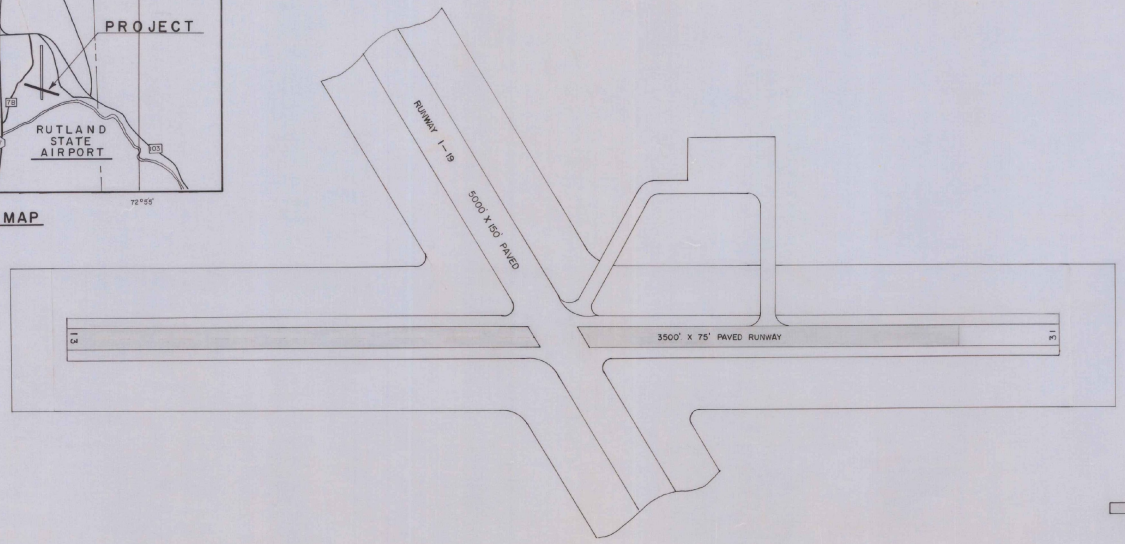
PARKING LOT EXPANSION

VERMONT AERONAUTICS BOARD
MONTPELIER, VERMONT

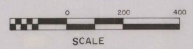


LOCATION MAP

ITEM NO	ITEM OF WORK	UNIT	EST. QUANTITY
1	EMULSIFIED ASPHALT FOR TACK COAT (UNDILUTED.)	GAL.	465
2	EMULSIFIED ASPHALT FOR SLURRY COAT (UNDILUTED).	GAL.	6,104
3	MINERAL AGGREGATE	TON	156



AREA TO BE SLURRY SEALED.



RUTLAND STATE AIRPORT
RUTLAND, VERMONT

SLURRY SEAL

VERMONT AERONAUTICS BOARD
MONTPELIER, VT.

AIRPORT ENGR. Vail O. Leach Jr.

DATE 30 MAY 1975

SCALE 1" = 200'

MLY

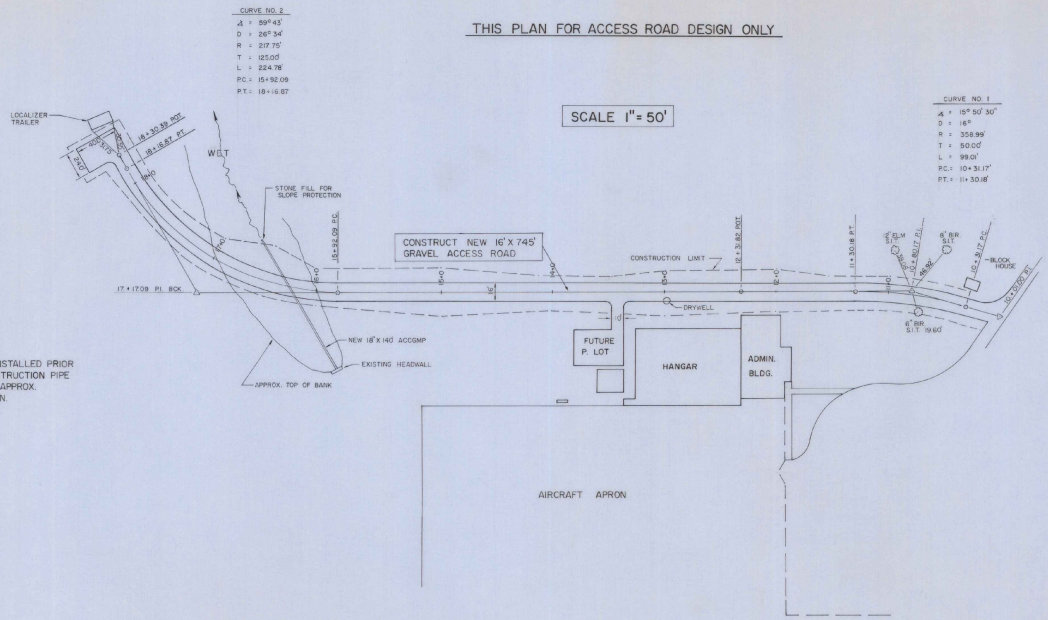
D-7

THIS PLAN FOR ACCESS ROAD DESIGN ONLY

SCALE 1" = 50'

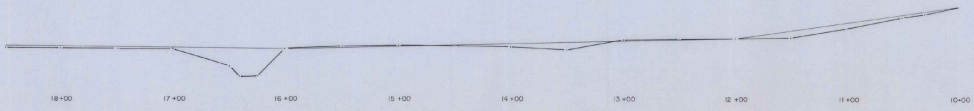
CURVE NO. 2
Δ = 59° 43'
D = 26° 34'
R = 217.75'
T = 125.00'
L = 224.78'
P.C. = 15+92.09
P.T. = 18+16.87

CURVE NO. 1
Δ = 15° 50' 30"
D = 16°
R = 358.99'
T = 50.00'
L = 99.01'
P.C. = 10+31.17'
P.T. = 11+30.18'

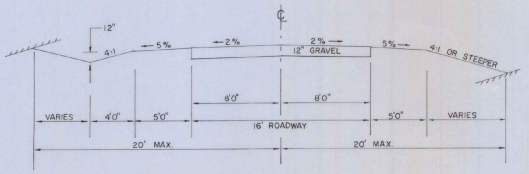


NOTE

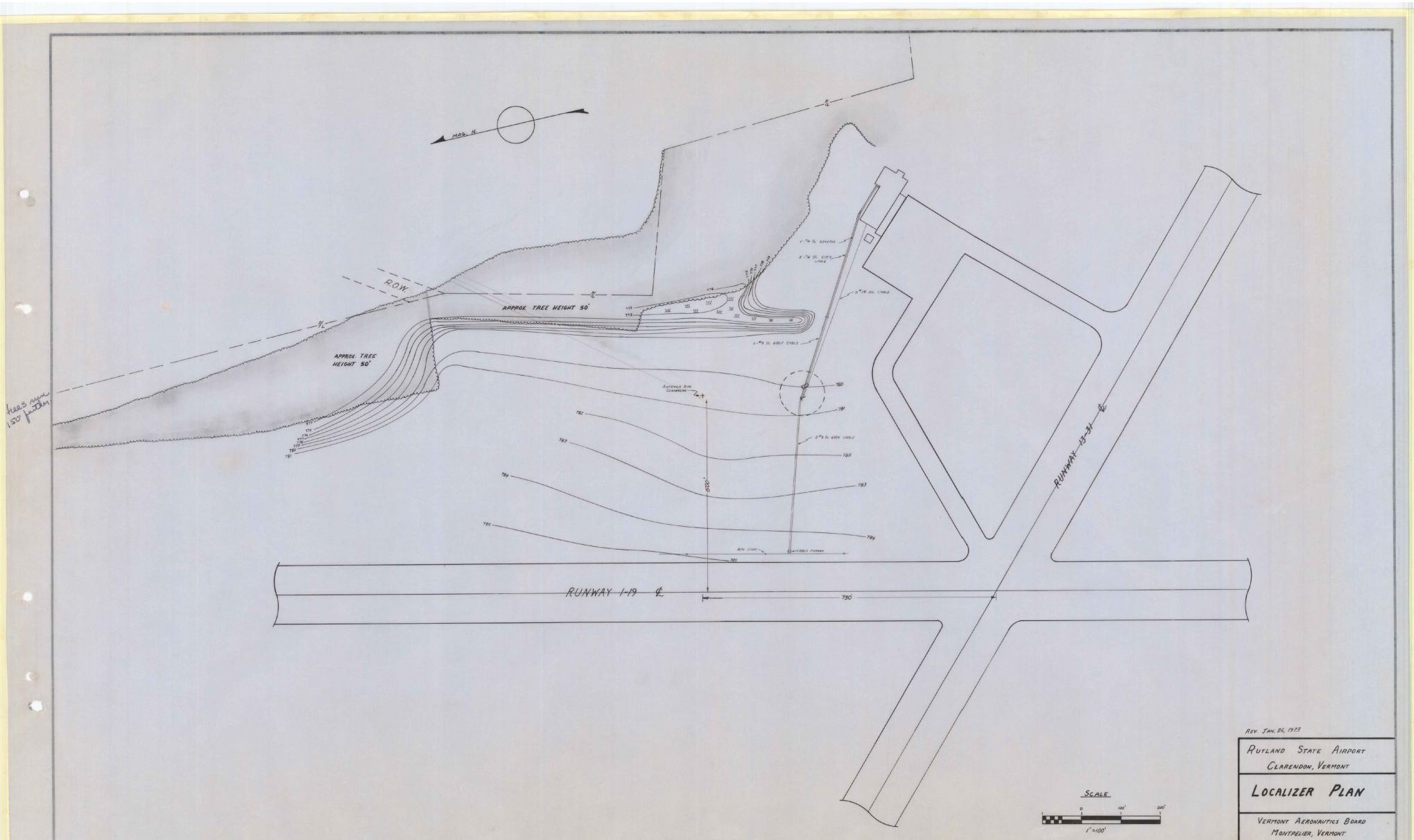
NEW ACCGMP TO BE INSTALLED PRIOR TO ACCESS ROAD CONSTRUCTION. PIPE TO BE BACKFILLED TO APPROX. SURROUNDING ELEVATION.



PROFILE
1" = 50'



ACCESS ROAD
TYPICAL
1" = 50'

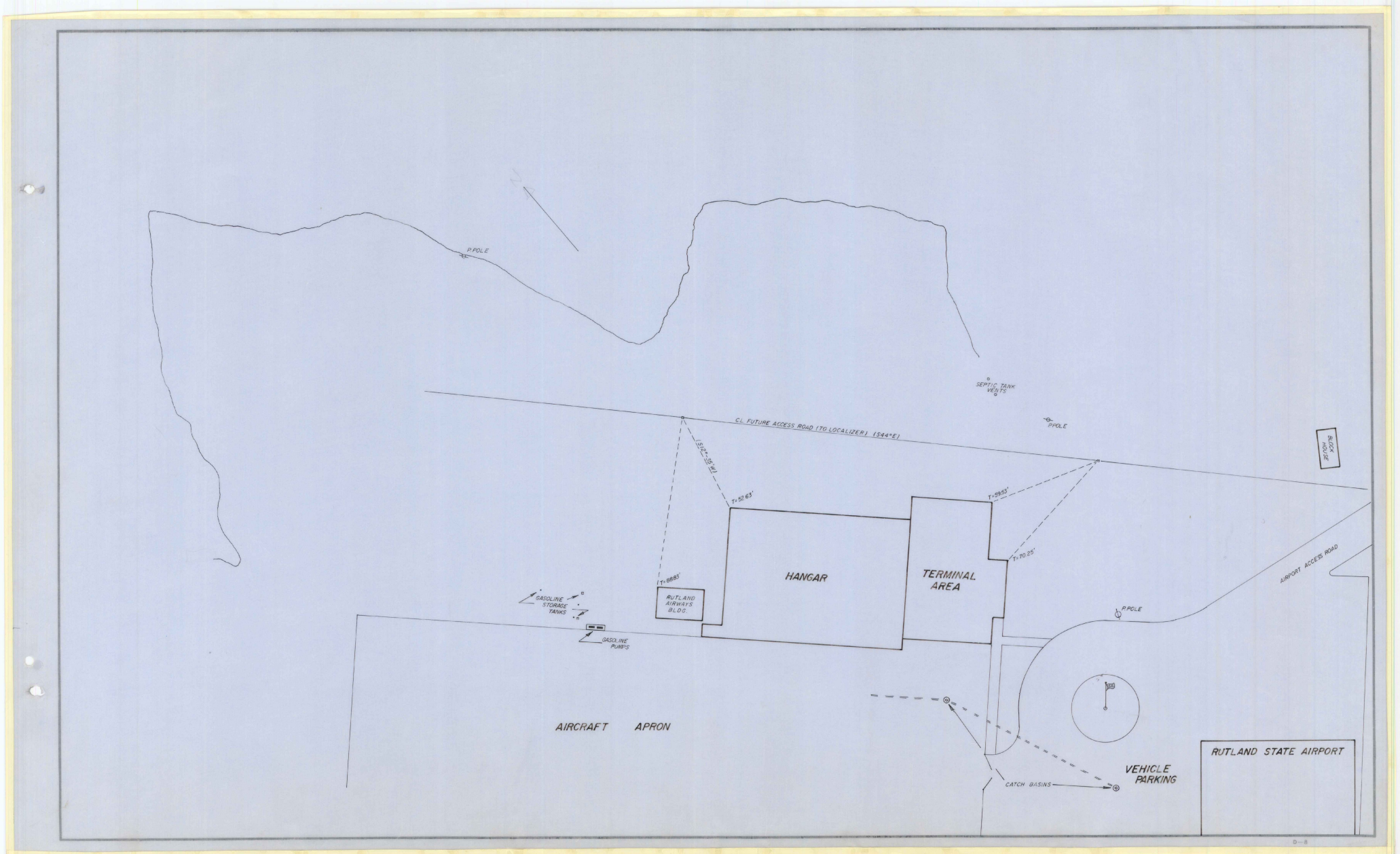


REV. JAN. 24, 1973

RUTLAND STATE AIRPORT
CLARENDON, VERMONT

LOCALIZER PLAN

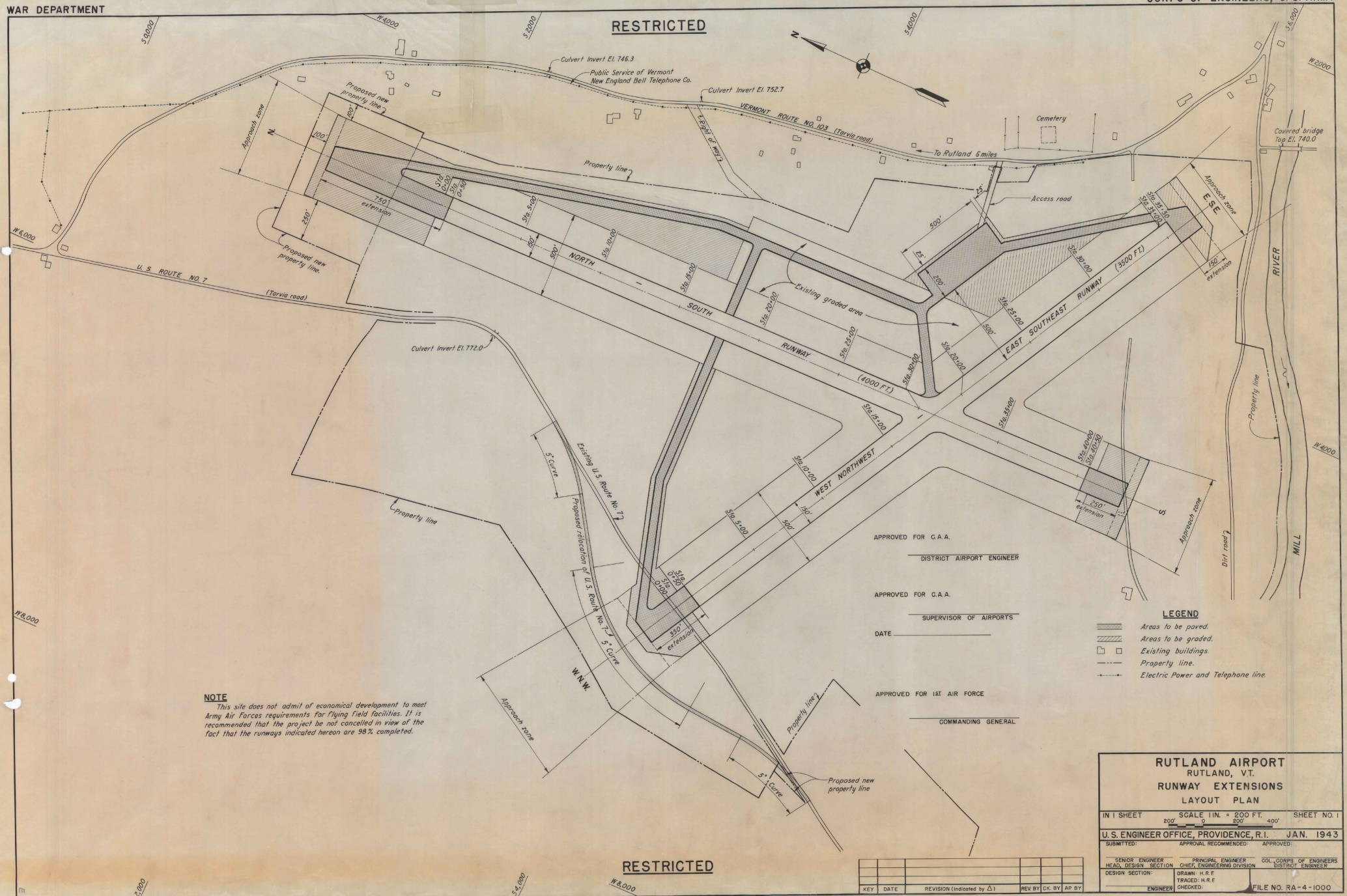
VERMONT AERONAUTICS BOARD
MONTPELIER, VERMONT


P POLE
SEPTIC TANK VENTS
C.L. FUTURE ACCESS ROAD (TO LOCALIZER) (544°E)
(544°-55' M)
T=52.63'
T=59.53'
T=70.25'
T=88.85'
P POLE
BLDG. 30'
HANGAR
TERMINAL AREA
RUTLAND AIRWAYS BLDG.
GASOLINE STORAGE TANKS
GASOLINE PUMPS
AIRPORT ACCESS ROAD
P POLE
AIRCRAFT APRON
CATCH BASINS
VEHICLE PARKING
RUTLAND STATE AIRPORT

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY

RESTRICTED



APPROVED FOR C.A.A.

DISTRICT AIRPORT ENGINEER

APPROVED FOR C.A.A.

SUPERVISOR OF AIRPORTS

DATE _____

APPROVED FOR I&I AIR FORCE

COMMANDING GENERAL

LEGEND

- Areas to be paved.
- Areas to be graded.
- Existing buildings.
- Property line.
- Electric Power and Telephone line.

NOTE

This site does not admit of economical development to meet Army Air Forces requirements for flying field facilities. It is recommended that the project be not cancelled in view of the fact that the runways indicated hereon are 98% completed.

RESTRICTED

KEY	DATE	REVISION (Indicated by △)	REV. BY	CK. BY	AP. BY

RUTLAND AIRPORT
RUTLAND, VT.
RUNWAY EXTENSIONS
LAYOUT PLAN

IN 1 SHEET — SCALE 1 IN. = 200 FT. (200' 0 200' 400') — SHEET NO. 1

U.S. ENGINEER OFFICE, PROVIDENCE, R.I. JAN. 1943

SUBMITTED:	APPROVAL RECOMMENDED:	APPROVED:
SENIOR ENGINEER HEAD, DESIGN SECTION	PRINCIPAL ENGINEER CHIEF, ENGINEERING DIVISION	COL., CORPS OF ENGINEERS DISTRICT ENGINEER

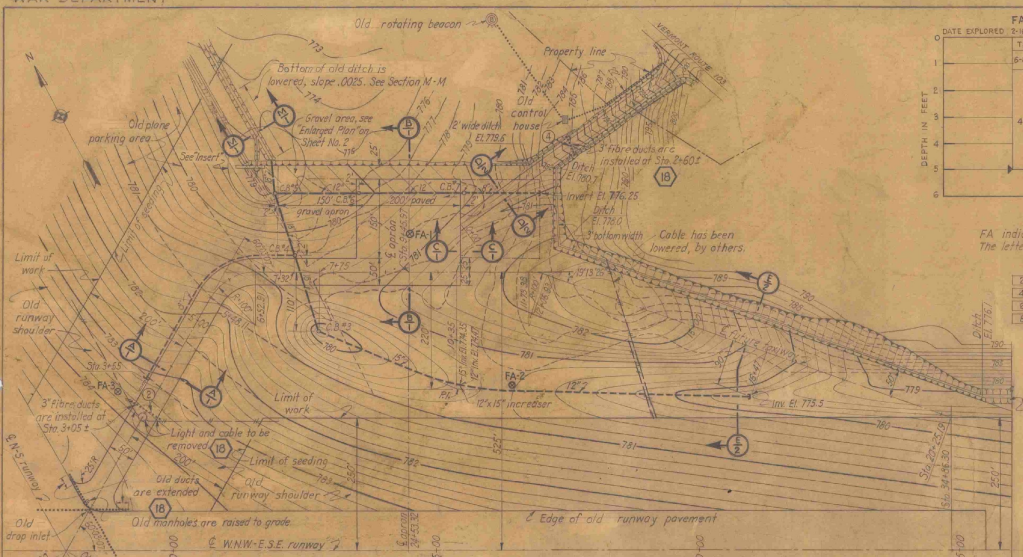
DESIGN SECTION: _____ ENGINEER

DRAWN: H.R.F.
TRACED: H.R.F.
CHECKED:

FILE NO. RA-4-1000

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



PLAN

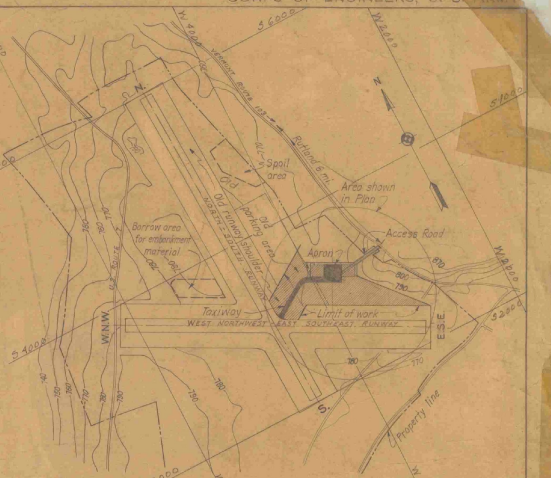
SCALE: 1" = 100'

LOG OF BORE HOLES

FA indicates Foundation auger boring, located as indicated by number on Plan.
The letter "v" indicates visual classification.

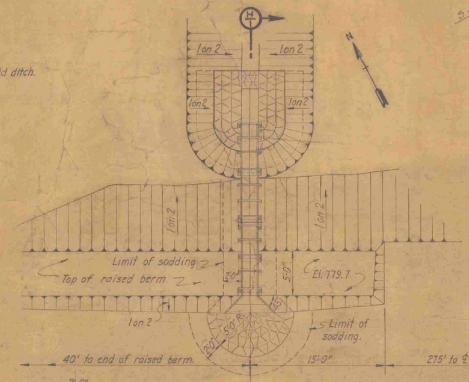
DESCRIPTION OF SOIL CLASSES

- 2 Course to medium sand - Contains little gravel and fine sand.
- 4 Medium to fine sand - Contains little course sand and course silt.
- 6 Fine sand to course silt - Contains little medium sand and medium silt.
- 8 Course to medium silt - Contains little fine sand and fine silt.



LOCATION MAP

SCALE: 1" = 600'

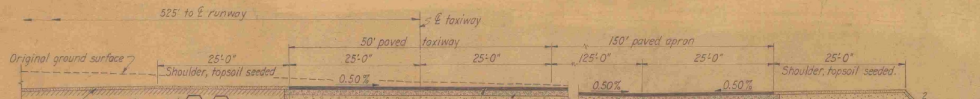


INSERT

SCALE 1" = 6'-0"

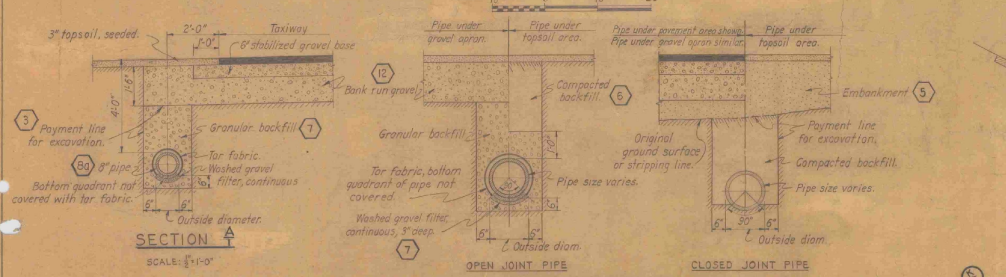
LEGEND

- Area to be graded.
- Area to be paved.
- Gravel apron.
- Old electrical cable.
- Cable; ducts.
- Open joint pipe.
- Closed joint pipe.
- Pipe capped at end.
- Approximate location of auger boring.
- Granular filled trench (no pipe).



SECTION B

SCALE: HORIZONTAL 1" = 10' VERTICAL 1" = 5'

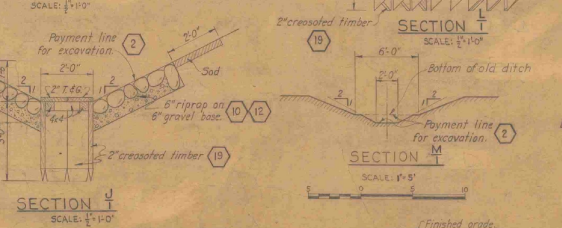


SECTION A

SCALE: 1/2" = 1'-0"

OPEN JOINT PIPE

CLOSED JOINT PIPE



SECTION J

SCALE: 1/2" = 1'-0"

SECTION M

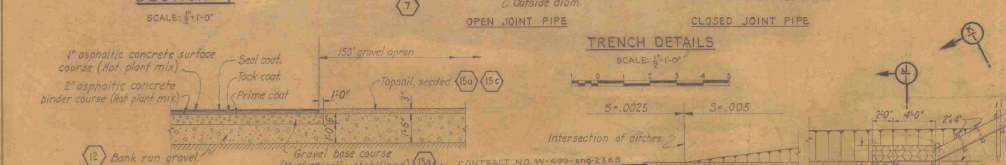
SCALE: 1" = 5'

NOTES

Elevations refer to Mean Sea Level Datum.
Figures in hexagons indicate item numbers under which payment was made.
Contour interval is 0.2 ft., 1.0 ft. and 10 ft. as indicated.
Caps for pipe are of an approved type.
For catch basin inverts and grating elevations, see Sheet No. 2
Ducts are now 5' beyond edge of pavement, cap and mark ends.
12"x 12"x 4" flush concrete markers. Figures in small circles indicate number of ducts installed.

1. P-208 Stabilized gravel base course - Item No. 13a.
2. P-602 Bituminous prime coat - Item No. 13b.
3. P-201-401 Bituminous base and surface course - Items No. 13c & 13e.
4. P-603 Bituminous tack coat - Item 13d.
5. P-604 Bituminous seal coat - Items No. 13f & 13g.

Note: The numbers P-208, P-602 etc., refer to C.A.A. specifications.

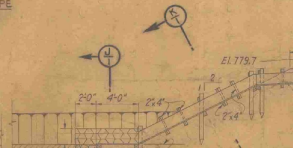


TRENCH DETAILS

SCALE: 1/2" = 1'-0"

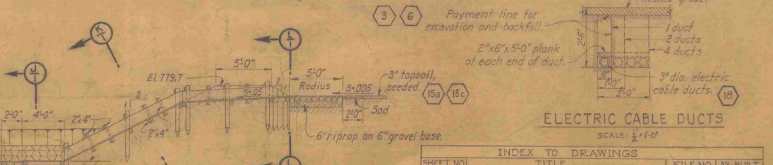
SECTION C

SCALE: 3/8" = 1'-0"



SECTION H

SCALE: 1" = 5'



ELECTRIC CABLE DUCTS

SCALE: 1/2" = 1'-0"

ASPHALTIC CONCRETE PAVEMENT DETAILS

See sheet No. 2

INDEX TO DRAWINGS			
SHEET NO.	TITLE	FILE NO.	AS-BUILT
1	LOCATION PLAN, DETAILS AND INDEX	RA-4-1036	REVISED
2	PROFILES AND DETAILS	RA-4-1037	
STANDARD SHEET			
S No. 2A	STANDARD STRUCTURES		UNCHANGED

KEY	DATE	REVISION (Indicated by △)	REV. BY	CK. BY	AP. BY
	12-14-43	"As-built" Revisions — J.R.W. & Co.			

RUTLAND AIRPORT

CLARENDON, VERMONT

APRON, TAXIWAY & ACCESS ROAD

LOCATION PLAN, DETAILS & INDEX

IN 2 SHEETS SCALE: 1 IN. = 100 FT. SHEET NO. 1

U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAY - 1943

SUBMITTED: APPROVAL RECOMMENDED: APPROVED:

J. C. Fitzgerald, SENIOR ENGINEER, ROAD DESIGN SECTION
A. J. Rourke, PRINCIPAL ENGINEER, CHIEF, ENGINEERING DIV.
H. S. Bartlett Jr., COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DESIGN SECTION: DRAWN: T.E.H.
G. D. Marcoux, ENGINEER CHECKED:

FILE NO. RA-4-1036

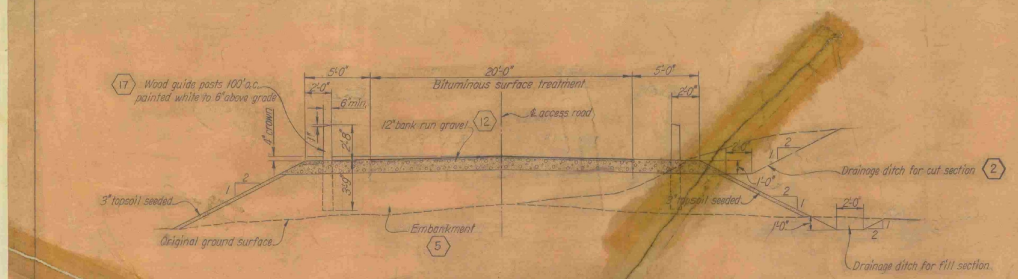
CONTRACT NO. W-690-eng-2368

AS-BUILT DRAWING
SEPTEMBER 1943
E. W. Garbisch
E. W. GARBISCH
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER

1

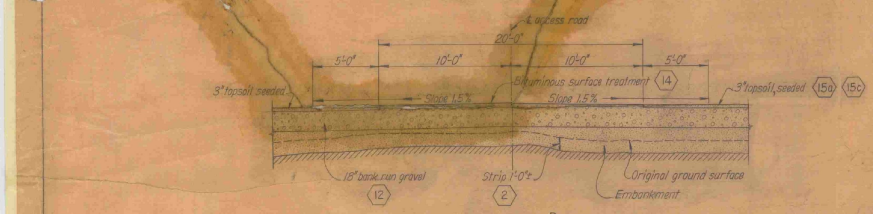
WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



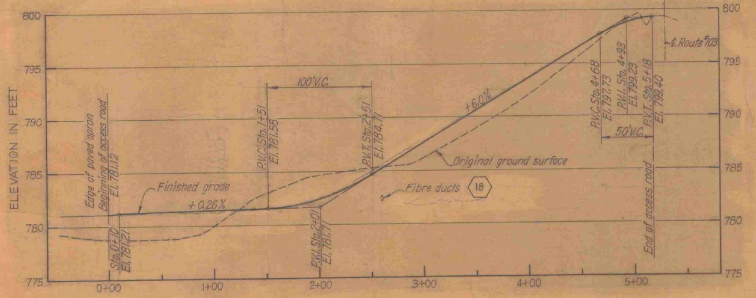
TYPICAL SECTION OF ACCESS ROAD

SCALE 1"=4'



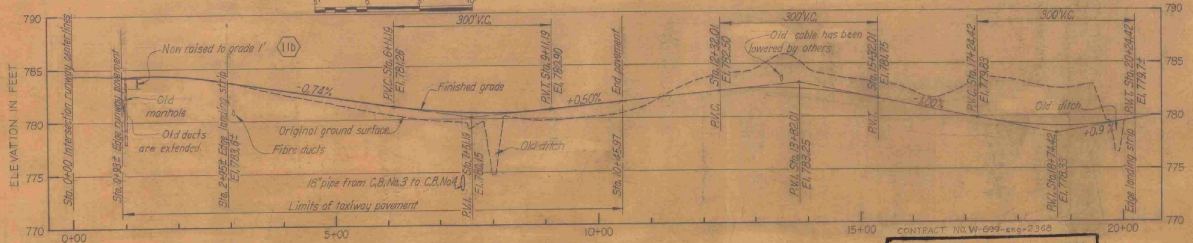
SECTION D/D

SCALE 1"=4'



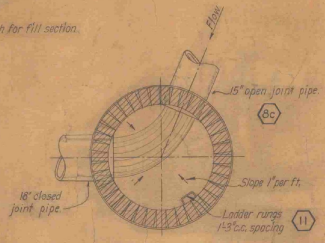
PROFILE ON ℄ ACCESS ROAD

SCALE HORIZONTAL 1"=50'
VERTICAL 1"=5'

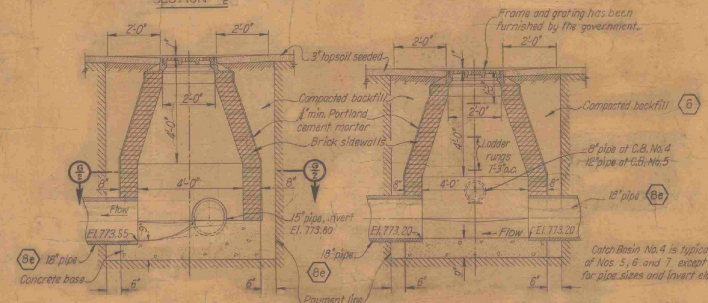


PROFILE ON ℄ TAXIWAY

SCALE HORIZONTAL 1"=100'
VERTICAL 1"=5'



SECTION G/G



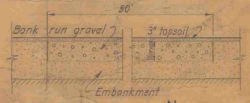
CATCH BASIN NO. 3 CATCH BASIN NO. 4

CATCH BASIN DETAILS 11a 11b

SCALE 1/2"=1'

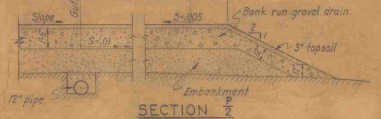
CATCH BASIN GRATING & INVERT ELEVATIONS

CATCH BASIN	GRATING ELEVATION	PIPE INVERT ELEVATIONS			
		8"	12"	15"	18"
3	779.70	—	—	773.80	773.55
4	780.37	775.72	—	—	773.20
5	779.02	—	773.75	—	772.90
6	779.72	—	774.52	—	—
7	780.77	775.85	775.52	—	—



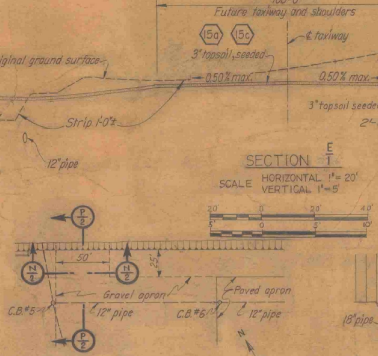
SECTION N/2

SCALE 1"=4'



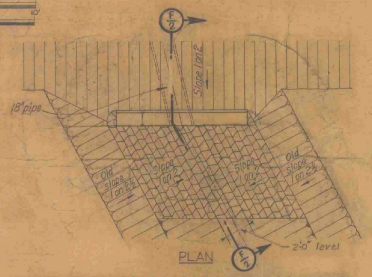
SECTION F/F

SCALE 1"=4'

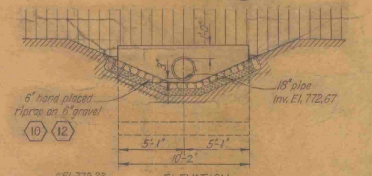


ENLARGED PLAN

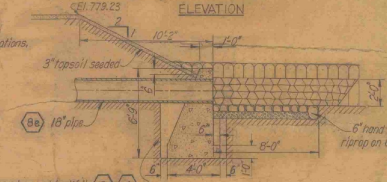
SCALE: 1"=50'



PLAN



ELEVATION



SECTION F/F

HEADWALL DETAILS

SCALE 1"=4'

NOTES

Concrete headwall has been paid for under Item No. 16

All exposed edges of concrete here chamfered as directed by the contracting officer.

Arrows indicate direction of flow.

For general notes applying to details on this sheet see Sheet No. 1.

RUTLAND AIRPORT

CLARENDON, VERMONT

APRON, TAXIWAY & ACCESS ROAD

PROFILES AND DETAILS

IN 2 SHEETS SCALE 1/8"=1'-0" SHEET NO. 2

U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAY 1943

SUBMITTED	APPROVAL RECOMMENDED	APPROVED
SENIOR ENGINEER	PRINCIPAL ENGINEER	COL. CORPS OF ENGINEERS
HEAD, DESIGN SECTION	CHIEF, ENGINEERING DIV.	DISTRICT ENGINEER

DESIGN SECTION ENGINEER

DRAWN BY G.H.H.

CHECKED BY

FILE NO. RA-4-1037

AS-BUILT DRAWING

SEPTEMBER 1943

E. W. GARBISCH

LT. COL. CORPS OF ENGINEERS

DISTRICT ENGINEER

CONTRACT NO. W-699-eng-2368

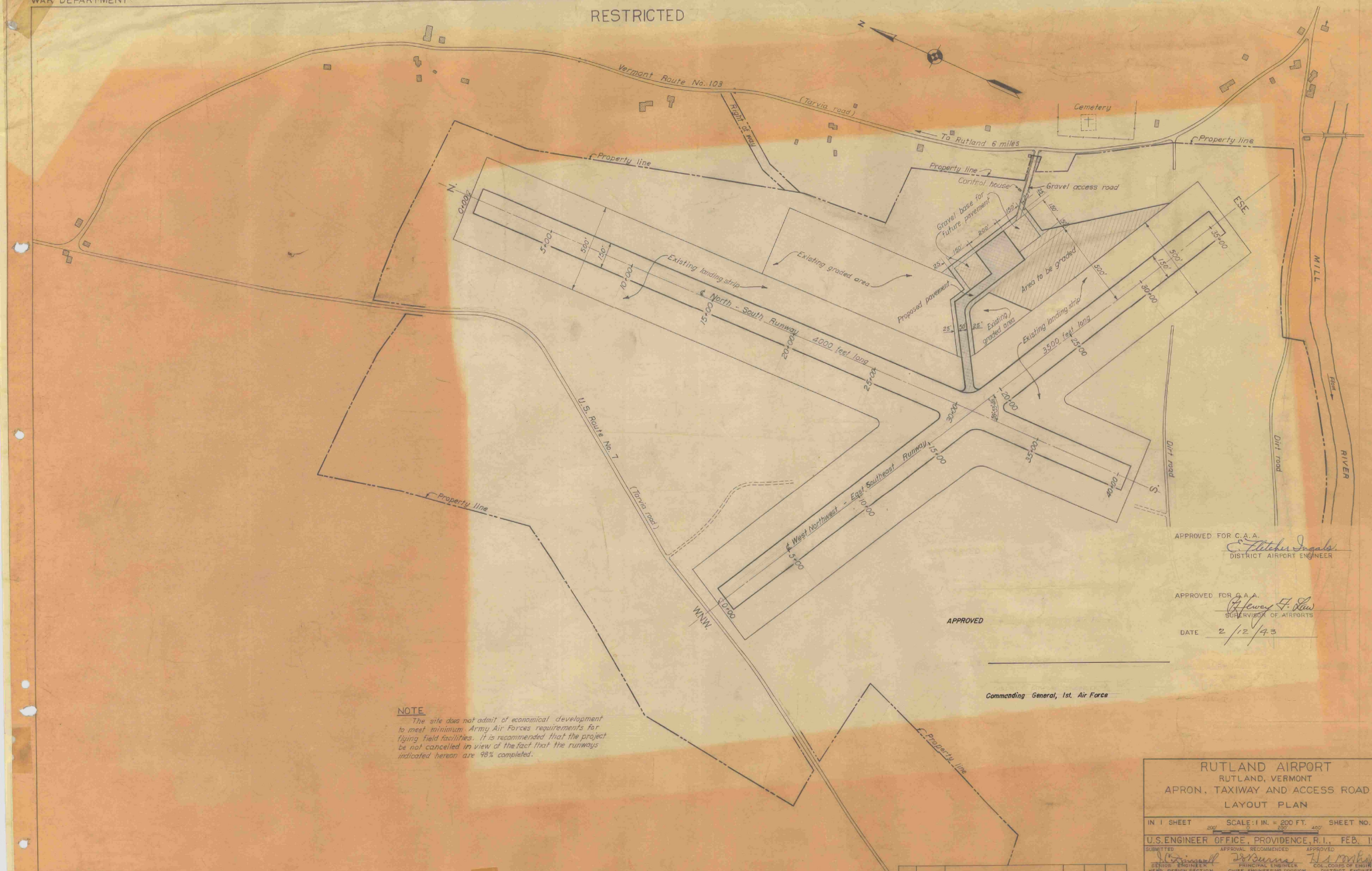
KEY	DATE	REVISION (Indicated by △)	REV. BY	CK. BY	AP. BY
	12-14-43	"As built" Revisions — J.R.W. & Co.			

2

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY

RESTRICTED



APPROVED FOR C.A.A.
C. Fletcher Ingalls
DISTRICT AIRPORT ENGINEER

APPROVED FOR C.A.A.
Lewey F. Lee
SUPERVISOR OF AIRPORTS

DATE 2/12/43

APPROVED

Commanding General, 1st. Air Force

NOTE

The site does not admit of economical development to meet minimum Army Air Forces requirements for flying field facilities. It is recommended that the project be not cancelled in view of the fact that the runways indicated hereon are 98% completed.

RUTLAND AIRPORT
RUTLAND, VERMONT
APRON, TAXIWAY AND ACCESS ROAD
LAYOUT PLAN

IN 1 SHEET | SCALE: 1 IN. = 200 FT. | SHEET NO. 1

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., FEB. 1943

SUBMITTED	APPROVAL RECOMMENDED	APPROVED
GENIO. ENGINEER, HEAD, DESIGN SECTION	PRINCIPAL ENGINEER, CHIEF, ENGINEERING DIVISION	COL., CORPS OF ENGINEERS, DISTRICT ENGINEER

DESIGN SECTION — ENGINEER — DRAWN BY D.C. — CHECKED BY

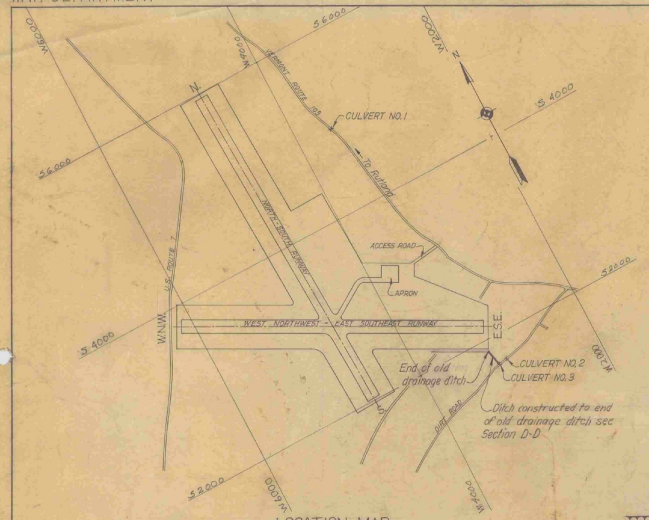
FILE NO. RA-4-1001

KEY	DATE	REVISION (Indicated by △)	REV. BY	CK. BY	AP. BY

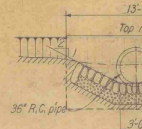
RESTRICTED

WAR DEPARTMENT

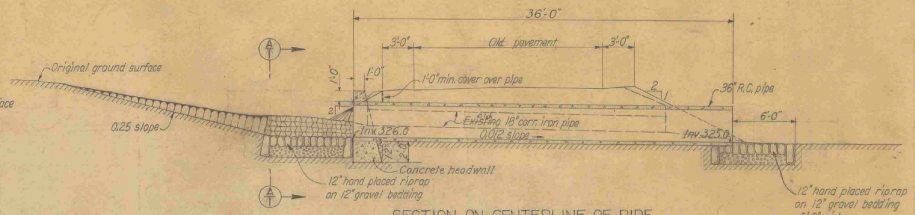
CORPS OF ENGINEERS, U.S. ARMY



LOCATION MAP
SCALE 1"=600'



SECTION A/1
SCALE 1"=5'

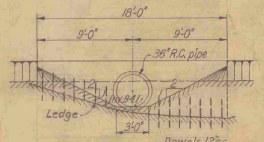


SECTION ON CENTERLINE OF PIPE
SCALE 1"=5'

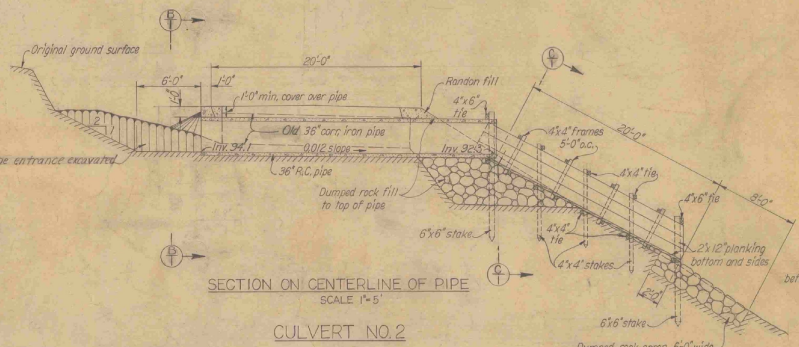
CULVERT NO. 1

NOTE

Elevations are referred to Vermont State Highway system levels.

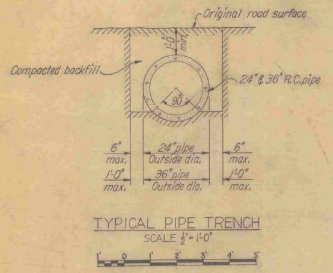


SECTION B/1
SCALE 1"=5'

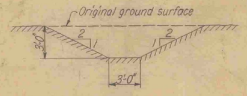


SECTION ON CENTERLINE OF PIPE
SCALE 1"=5'

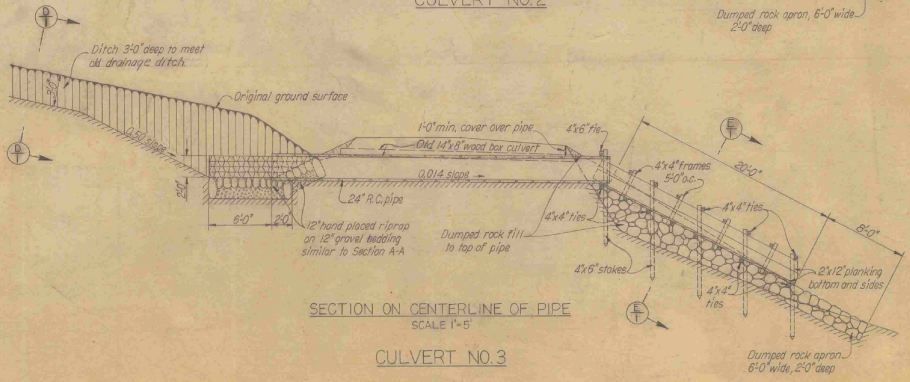
CULVERT NO.2



TYPICAL PIPE TRENCH
SCALE 1/4"=1'-0"

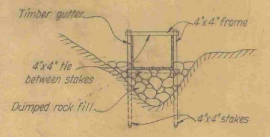


SECTION D/1
SCALE 1"=5'

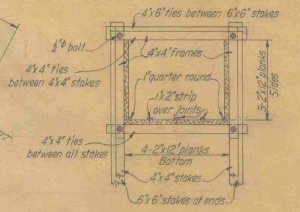


SECTION ON CENTERLINE OF PIPE
SCALE 1"=5'

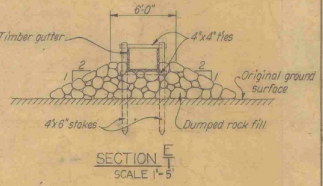
CULVERT NO. 3



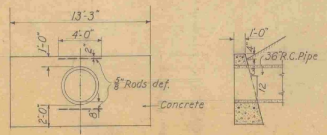
SECTION C/1
SCALE 1"=5'



TIMBER GUTTER DETAIL
SCALE 1/2"=1'-0"

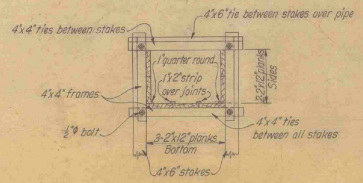


SECTION E/1
SCALE 1"=5'



ELEVATION
SCALE 1"=5'

SECTION
SCALE 1"=5'



TIMBER GUTTER DETAIL
SCALE 1/2"=1'-0"

STRAIGHT HEADWALL FOR CULVERT NO. 1

NOTE

Headwall was constructed in accordance with Vermont State Highway plans & specifications.

NOTES

All lumber was given two applications of creosote coal tar solution.

All frames and stake ties in timber gutters securely fastened with one half inch bolts with washers.

Stakes were spaced 5'-0" c.c. on slope and driven a minimum depth of 3 feet in solid ground.

AS-BUILT DRAWING
6 OCTOBER 1943
E. W. GARBISCH
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER
P.O. 67331 & P.O. 67171

KEY	DATE	REVISION (Indicated by △)	REV. BY	CK. BY	AP. BY
	12-14-43	"As-built" Revisions — J.R.W. & Co.			

RUTLAND AIRPORT
RUTLAND, VERMONT
DRAINAGE STRUCTURES
SECTIONS AND DETAILS

IN 1 SHEET — SCALE 1"=5' — SHEET NO. 1

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., SEPT. 1943

SUBMITTED:	APPROVAL RECOMMENDED:	APPROVED:
ENGINEER I, HEAD, DESIGN SECTION	SENIOR ENGINEER, CHIEF, ENGINEERING DIV.	LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER

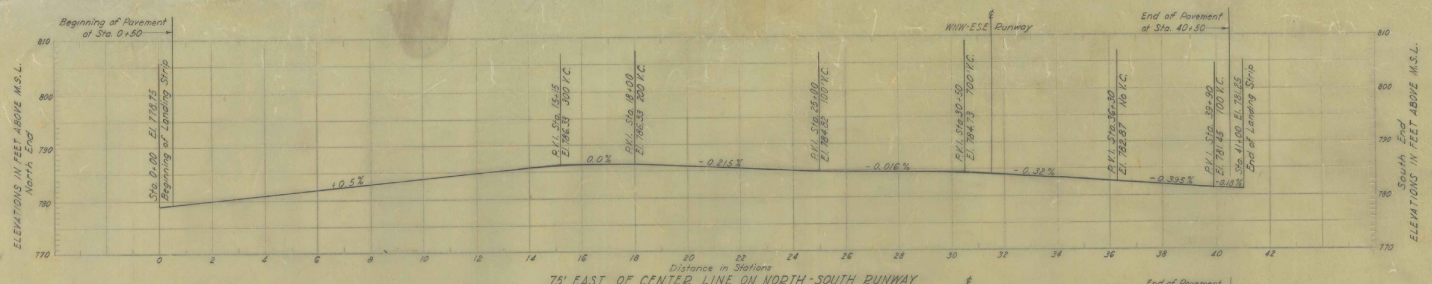
DESIGN SECTION: ENGINEER

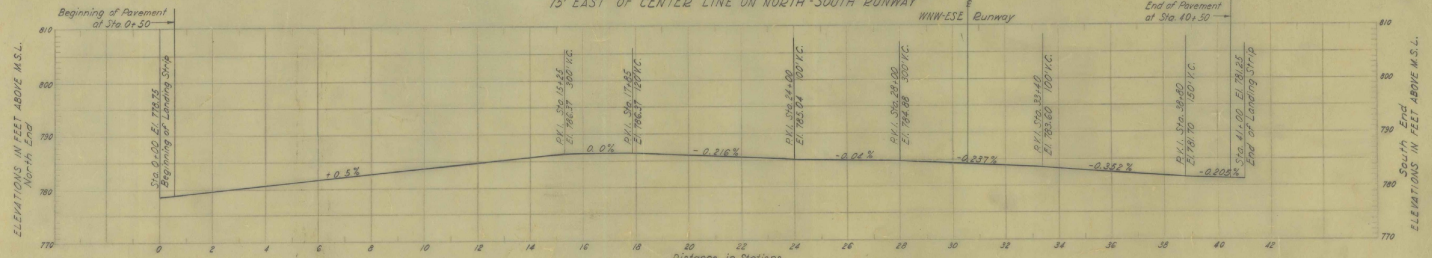
DRAWN: G.H.H.
TRACED:
CHECKED:

FILE NO. RA-4-1039

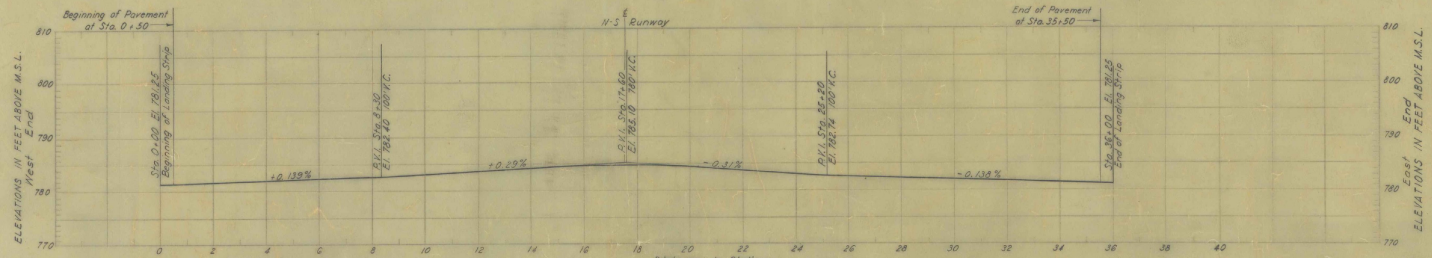
WAR DEPARTMENT

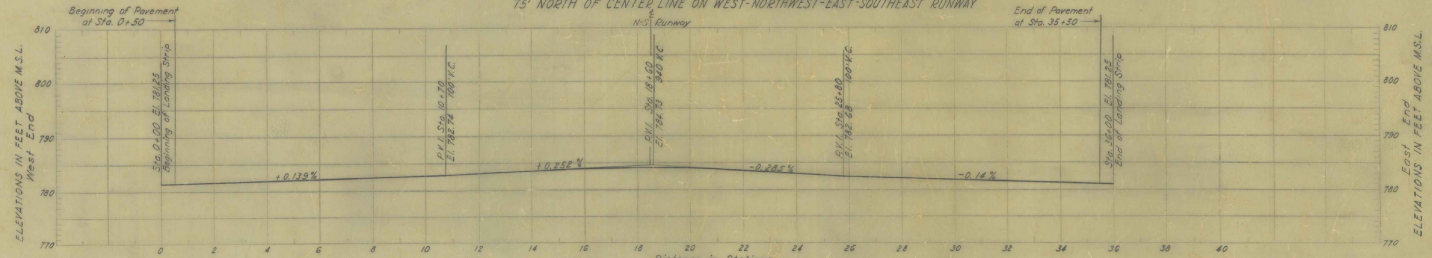
CORPS OF ENGINEERS, U.S. ARMY





PROFILES AT EDGE OF PAVEMENT - NORTH-SOUTH RUNWAY





PROFILES AT EDGE OF PAVEMENT - WEST NORTHWEST-EAST SOUTHEAST RUNWAY

Scale: Horiz: 1"= 200'
Vert: 1"= 10'

NOTES:
Elevations are in feet and refer to the plane of Mean Sea Level at Sandy Hook, N.J.
Profiles indicate top of finished pavement.
For other profiles, sections, and details, see contract drawings.

C. A. A. CONSTRUCTION PROGRAM

RUTLAND AIRPORT

SUPPLEMENTARY PROFILES AT EDGES OF PAVEMENT

RUTLAND — VERMONT

IN 1 SHEET — SHEET NO. 1

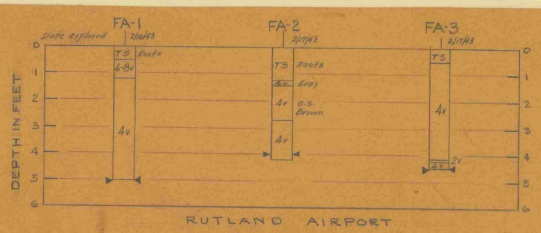
SCALE AS SHOWN

U.S. ENGINEER OFFICE, NEW YORK DISTRICT, NEW YORK, JULY 23 1942

Submitted:	Recommended:	Approved:
Senior Engineer	Major, Corps of Engineers	Col., Corps of Engineers

PROVISIONAL RECORD

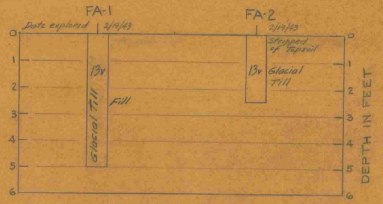
FILE NO. A-502



RUTLAND AIRPORT

For location of explorations and source of embankment borrow on site see Soils Laboratory Report No.1, Plate No.1, Rutland Airport.

Gravel borrow not available on site



NEWPORT AIRPORT

For location of explorations and source of embankment borrow on site see Soils Laboratory Report No.1, Plate No.1, Newport Airport.

Gravel borrow not available on site

NOTES

TS Topsoil

O.S. Organic stained soil

4v Numerical Class (Providence District Soil Classification) Letter V indicates visual classification

Water Table at time of exploration

FA Indicates foundation auger boring

Description of soil classes and above notes to be shown on contract drawing.

DESCRIPTION OF SOIL CLASSES

1. Graded from Gravel to Coarse Sand - Contains little medium sand.
2. Coarse to Medium Sand - Contains little gravel and fine sand.
3. Graded from Gravel to Medium Sand - Contains little fine sand.
4. Medium to Fine Sand - Contains little coarse sand and coarse silt.
5. Graded from Gravel to Fine Sand - Contains little coarse silt.
6. Fine Sand to Coarse Silt - Contains little medium sand and medium silt.
7. Graded from Gravel to Coarse Silt - Contains little medium silt.
8. Coarse to Medium Silt - Contains little fine sand and fine silt.
9. Graded from Gravel to Medium Silt - Contains little fine silt.
10. Medium to Fine Silt - Contains little coarse silt and coarse clay. Possesses behavior characteristics of silt.
100. Medium Silt to Coarse Clay - Contains little coarse silt and medium clay. Possesses behavior characteristics of clay.
11. Graded from Gravel or Coarse Sand to Fine Silt - Contains little coarse clay.
12. Fine Silt to Clay - Contains little medium silt and fine clay (colloids). Possesses behavior characteristics of silt.
120. Clay - Contains little silt. Possesses behavior characteristics of clay.
13. Graded from Coarse Sand to Clay - Contains little fine clay (colloids). Possesses behavior characteristics of silt.
130. Clay - Graded from sand to fine clay (colloids). Possesses behavior characteristics of clay.

KEY	DATE	REVISION (Indicated by Δ)	REV.BY	CK.BY	APP.BY

RUTLAND AND NEWPORT AIRPORTS

SOIL EXPLORATIONS

RUTLAND, VT. NEWPORT, VT

IN SHEETS SHEET NO.

U.S. ENGINEER OFFICE, PROVIDENCE, R.I. FEB. 1943

SUBMITTED: APPROVAL RECOMMENDED: APPROVED:

ENGINEER HEAD, SOILS LABORATORY — PRINCIPAL ENGINEER CHIEF, ENGINEERING DIV. — COL., CORPS OF ENGINEERS DISTRICT ENGINEER

COMPILED BY: R.R. Barrows

DRAWN: H.W.M.

TRACED:

CHECKED:

FILE NO. NA-2-1000

FILE NO. RA-2-1000

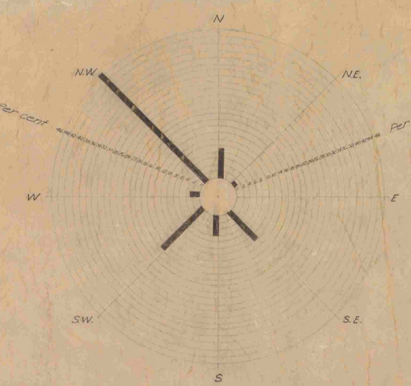
128 A

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY

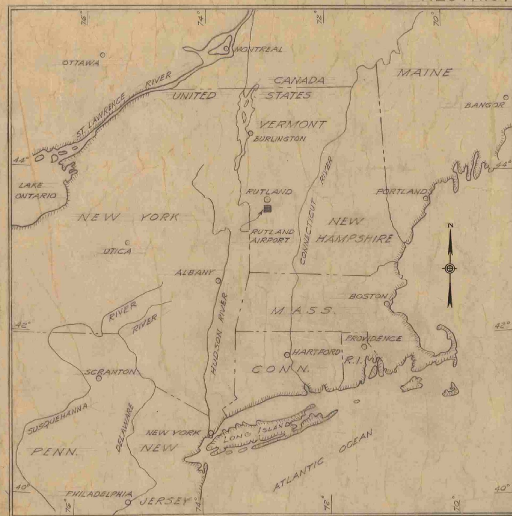
RESTRICTED

WINDROSE



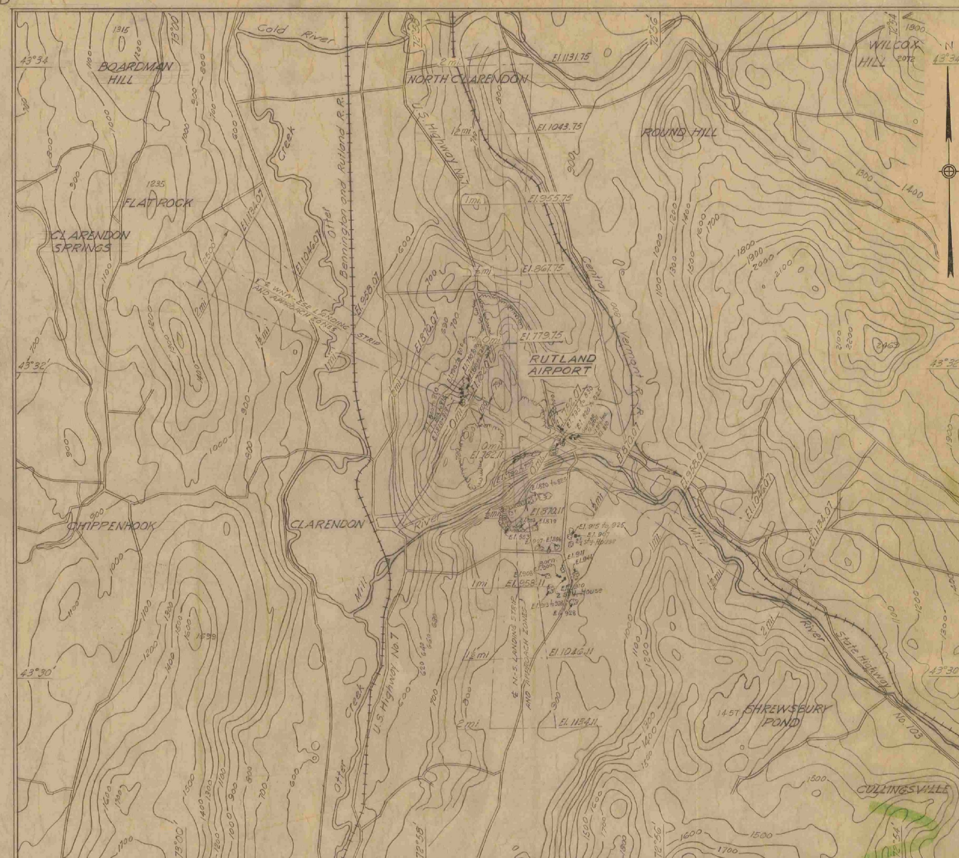
LEGEND:

RUTLAND, VT. (CALMS: 4.4%)
Windrose based on all winds for period of 1939 - 1941.
Data from U.S. Weather Observation Station at Rutland.



LOCATION MAP

Scale in miles

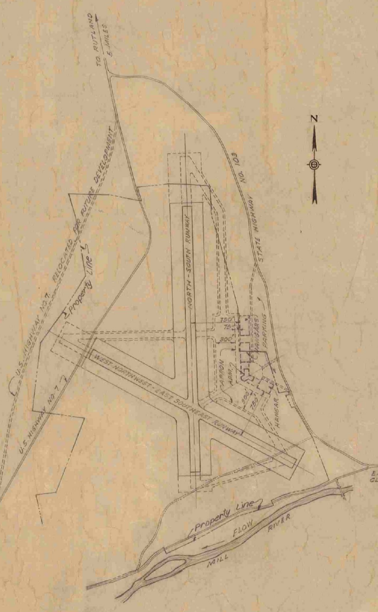


VICINITY MAP SHOWING APPROACH AREAS

Scale: 1" = 2000'

LEGEND

DEVELOPMENT UNDER THIS CONTRACT
FUTURE DEVELOPMENT
OLD ROAD REMOVED



GENERAL PLAN

Showing ultimate development

Scale: 1" = 800'

INDEX TO DRAWINGS

PROV. FILE NO.	SHEET NO.	TITLE	FILE NO.	AS-BUILT
RA-4-1023	1	LOCATION PLAN AND INDEX	A-492	
1024	2	MASTER PLAN	A-493	REVISED
1025	3	BORING RECORDS	A-494	
1026	4	GRADING PLAN	A-495	
1027	5	GRADING PLAN AT INTERSECTION	A-496	REVISED
1028	6	PROFILES OF NORTH-SOUTH LANDING STRIP	A-497	
1029	7	PROFILES OF WEST NORTHWEST - EAST SOUTHEAST LANDING STRIP	A-498	
1030	8	PAVING PLAN AND DETAILS	A-499	REVISED
1031	9	DRAINAGE PLAN AND DETAILS	A-500	"
1032	10	ELECTRICAL LAYOUT AND DETAILS	A-501	"
1035	11	ROTATING BEACON TOWER	A-657 A	"

NOTES:

Vicinity map topography taken from U.S.G.S. Quadrangle and U.S. Engineer Office survey.

All elevations are in feet and refer to the plane of Mean Sea Level at Sandy Hook, N.J.

AS-BUILT DRAWING
1 SEPTEMBER 1943
E.W. Garbisch
E. W. GARBISCH
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER

CONTRACT NO. W-1097 eng-2918 & 2914

KEY	DATE	REVISION (INDICATED BY △)	REV. BY	CK. BY	AP. BY
△	7-3-42	PROPERTY LINE CHANGED	F.L.P.		

RESTRICTED

C. A. A. CONSTRUCTION PROGRAM

RUTLAND AIRPORT

LOCATION PLAN & INDEX

RUTLAND VERMONT

IN 11 SHEETS SCALE: 1 IN. = 2000 FT. SHEET NO. 1

U.S. ENGINEER OFFICE, NEW YORK DISTRICT, NEW YORK. AUGUST 1942.

Submitted: F. L. Panuzio, Engineer.
Recommended: Clarence Paul, Principal Engineer
Approved: Col., Corps of Engineers.

Approved for C.A.A. Hervey F. Low (Signed) Supervisor of Airports.

To Accompany Specifications Dated MARCH 13, 1942

PROV. FILE NO. RA-4-1023

FILE NO. A-492.

WAR DEPARTMENT

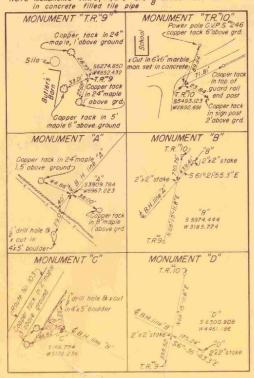
AS-BUILT DRAWING
SEPTEMBER, 1943
E. W. GARRISON
LT. COL., CORPS OF ENGINEERS
DISTRICT ENGINEER
CONTRACT NO. W-1097-eng-2918 & 2314

LEGEND

- Development under this contract
- Future development
- Indicates ledge rock outcrop
- Indicates clearing line
- Indicates property line
- Old buildings
- Woods line
- Electric power & telephone line
- Stone fence
- Wire fence
- Tree
- A.B.H. Auger boring
- B.H. Bore hole
- T.P. Test pit

LOCATION OF U.S.E.D. MONUMENTS

NOTE- Monuments "T.R.9", "A", & "C" are ¾ brass rods set in concrete filled tile pipe



LOCATION OF BENCH MARKS

B.M.	LOCATION	ELEVATION M.S.L.
"1	Square cut in S.E. corner of culvert, on S. side of Route "103 approx. 600' E. of junction of same with Route "7	697.400
"2	Top of S.W. corner of historical tablet at N. end of intersection of Routes Nos. 7 & 103	714.558
"3	1" brass rod in concrete filled tile + pipe on Bore Hole line "B", 850.25' S. of Mon. "C"	752.803
"4	Square cut on large boulder on E. side of farm road running from Butler's farm to Route "7 & approx. 1000' from buildings	788.228
"5	Spike in 30" tree, E. of Route "7, just S. of intersection of same with Butler's farm road & 100' N. of group of farm buildings	770.679
"6	Square cut in S.E. corner of culvert, (with abutments) at E. side of Route "7 & approx. 900' S. of Pierce's farm building	748.063
"7	Same as Mon. "C" (see sketch)	708.348
"8	Same as T. P. #10 (see sketch)	790.365
"9	Same as Mon. "T.R.9" (see sketch)	775.175
"10	Same as Mon. "A" (see sketch)	792.579

NOTES

Coordinates are based on a rectangular system having its axes perpendicular & parallel to a meridian passing thru Traverse Station No. 1. The origin of the system is so chosen as to make Traverse Station No. 1 - S.000 ft., W. 6,000 ft.

Elevations are in feet & refer to the plane of mean sea level at Sandy Hook, N.J.

For Boring Records see Sheet No. 3

KEY	DATE	REVISION (Indicated by △)	REV. BY	CK. BY	AP. BY
	12-14-42	"As Built" Revisions — J.R.W. & Co.			
A	8-3-42	Clearing Line & Property Line changed Aug. 3, 1942	New	York	Dist.
A	5-28-42	Clearing line of southwest corner of property changed in accordance with Change Order dated May 28, 1942	New	York	Dist.

△ THIS SHEET SUPERSEDES DRAWING SAME SHEET & FILE NO.

C. A. A. CONSTRUCTION PROGRAM

RUTLAND AIRPORT

RUTLAND, VERMONT

MASTER PLAN

IN 11 SHEETS SCALE: 1 IN. = 200 FT. 0 200' 400' SHEET NO. 2

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., AUGUST, 1942

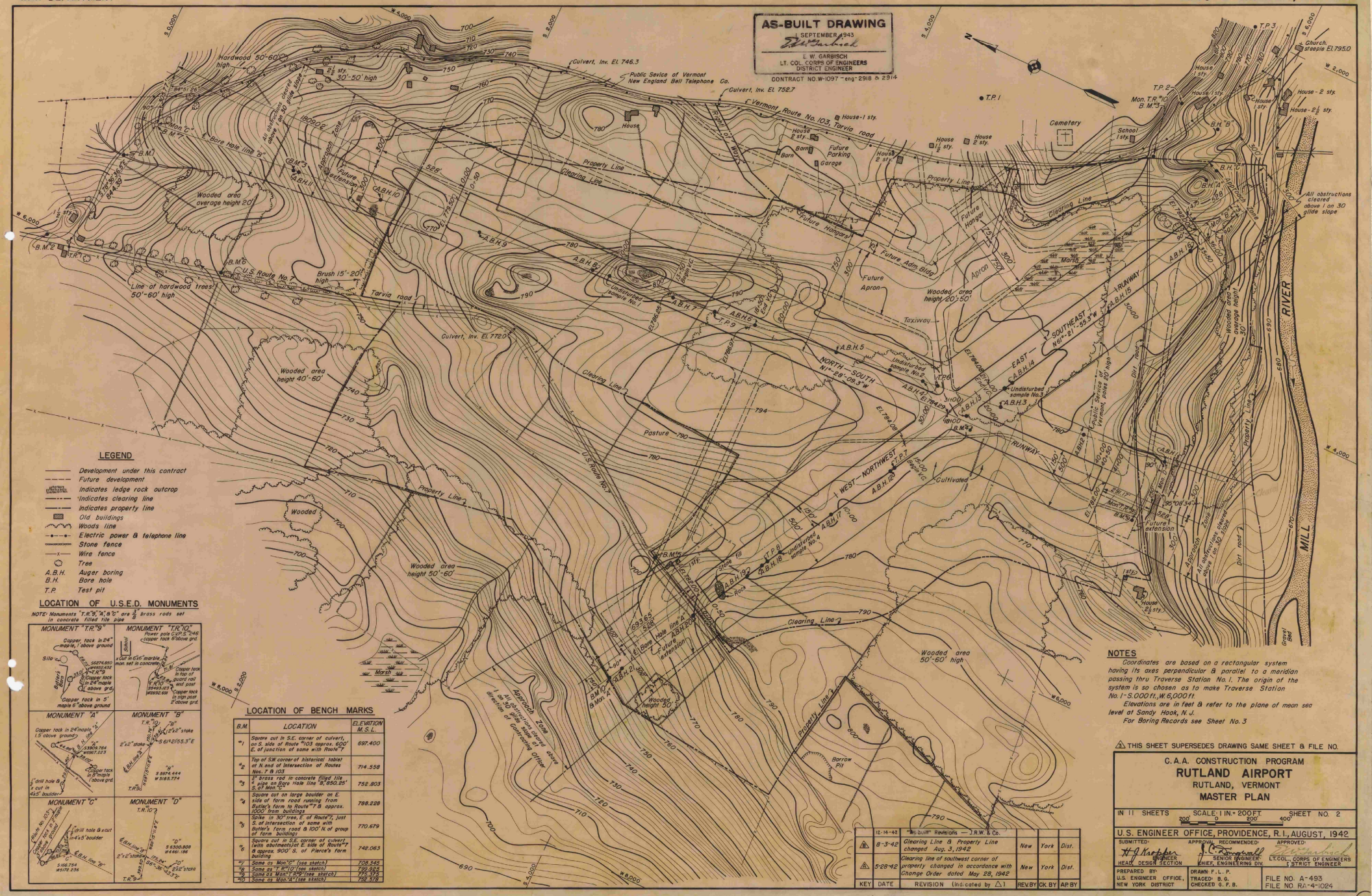
SUBMITTED: H. G. Kreptler, ENGINEER, HEAD, DESIGN SECTION
APPROVAL RECOMMENDED: I. C. Rumsey, SENIOR ENGINEER, CHIEF, ENGINEERING DIV.
APPROVED: [illegible], LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER

PREPARED BY: U.S. ENGINEER OFFICE, NEW YORK DISTRICT
DRAWN: F. L. P.
TRACED: B. G.
CHECKED: G. F. B.

FILE NO. A-493
FILE NO. RA-4-1024

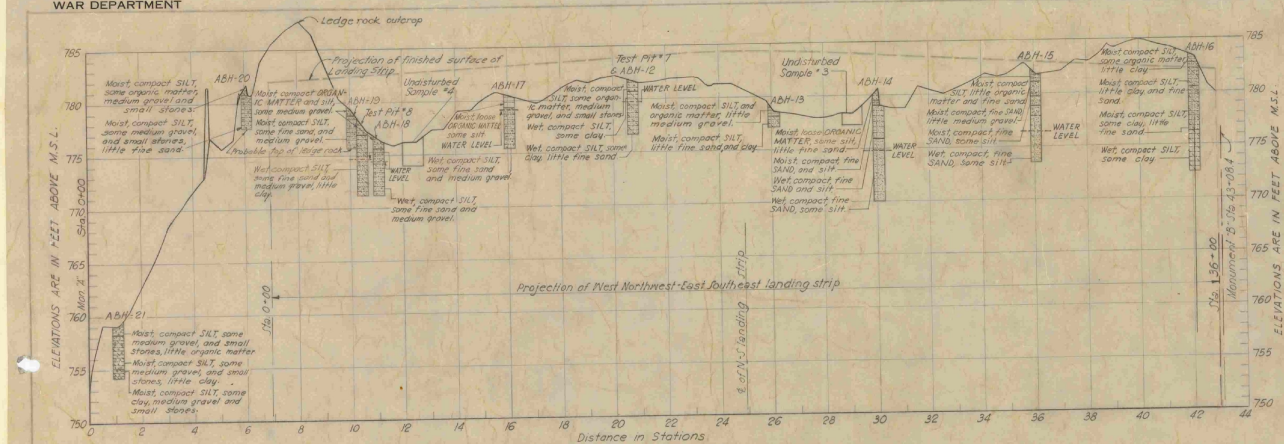
WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



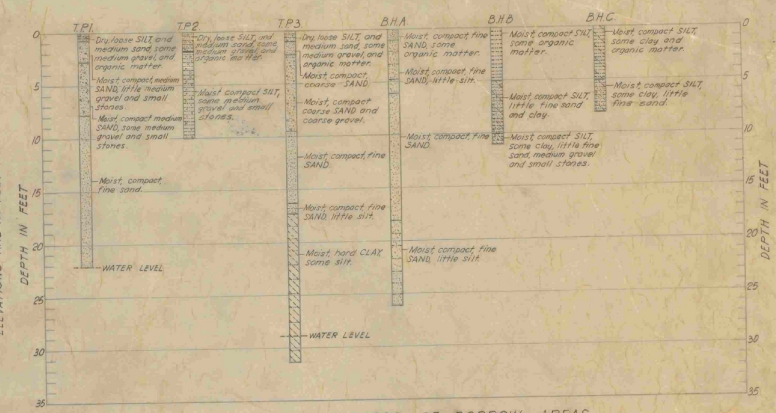
WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



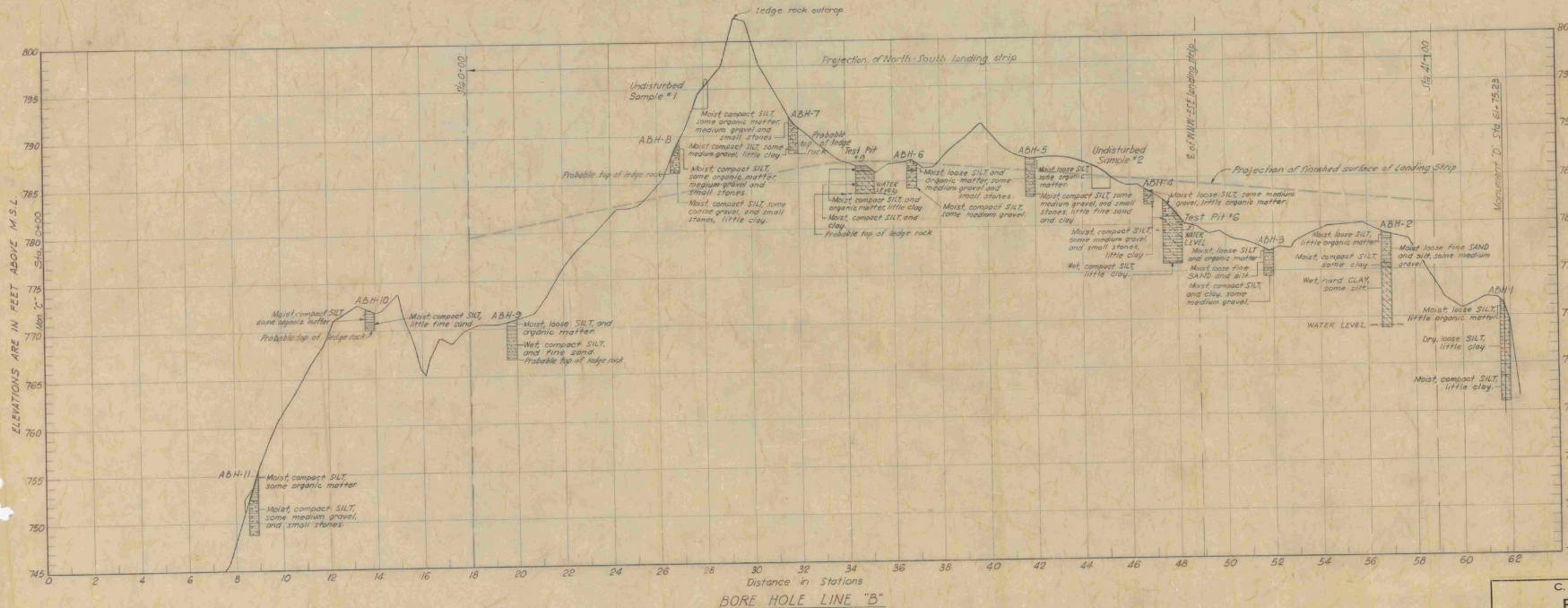
BORE HOLE LINE "A"

SCALE: HOR. 1"=200'
VERT. 1"=5'



BORING RECORDS OF BORROW AREAS

VERTICAL SCALE: 1"=5'



BORE HOLE LINE "B"

SCALE: HOR. 1"=200'
VERT. 1"=5'

LEGEND

A.B.H. Indicates Auger Boring
B.H. Indicates Bore Hole
T.P. Indicates Test Pit

Notes:
For location of Borings see Sheet No. 2
Boring record is based on field survey by U.S. Engineer Office
Elevations are in feet and refer to Plane of Mean Sea Level at Sandy Hook, N.J.

AS-BUILT DRAWING
1 SEPTEMBER, 1943
E. W. GARBISCH
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER
CONTRACT NO. W-1097-eng-2918 & 7914

C. A. A. CONSTRUCTION PROGRAM

RUTLAND AIRPORT

BORING RECORD

RUTLAND VERMONT

IN 11 SHEETS HOR SCALE: 1 IN. = 200 FT. SHEET NO. 3
VERT. SCALE: 1 IN. = 5 FT.

U.S. ENGINEER OFFICE, NEW YORK DISTRICT, NEW YORK. AUGUST, 1942.

Submitted: T. L. Ramage, Engineer. Recommended: Charles Paul, Principal Engineer. Approved: E. W. Garbisch, Col., Corps of Engineers.

Approved for C.A.A. Harvey F. Low (signed), Superintendent of Airports.

To Accompany Specifications Dated March 12, 1942

PROV. FILE NO. RA-4-1025

FILE NO. A-494.

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY

KEY	DATE	REVISION (Indicated by △)	REV. BY	CK. BY	AP. BY
1	4-22-43	Seeded area reduced.	D.S.M.	J.H.D.	J.H.D.
2	5-28-42	Clearing line of southwest corner of property changed in accordance with Change Order dated May 28, 1942.			

AS-BUILT DRAWING
SEPTEMBER 1943
E. W. Garbisch
E. W. GARBISCH
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER
CONTRACT NO. W-1097-eng-2918 & 29-4

LEGEND
denotes CUT AREA
denotes FILL AREA

CUT & FILL AREAS
Scale 1" = 800'

TYPICAL SECTIONS THRU RUNWAY PAVING & LANDING STRIP
Not to Scale

PLAN
Scale: 1" = 200'
Contour Interval 2 feet except as noted.

LEGEND
- Indicates contours for proposed graded field.
- Indicates topography based on survey by U.S. Engineer Office.
- Indicates ledge rock outcrop.
- Indicates clearing line.
- Indicates property line.
- Old buildings
- Woods line
- Electric Power & Telephone Line
- Stone fence
- Tree

NOTES
Elevations are in feet and refer to the plane of Mean Sea Level at Sandy Hook, N.J.
'Finished Contours' indicate top of finished pavement or topsoil.
for supplemental grading plan see Sheet No. 5
for profiles see Sheets No. 6 and 7
for pavement details see Sheets No. 8
For location and details of new drainage ditches see Sheet No. 3
Revision "B" Property Line, Clearing Line and Spoil Area changed August 3, 1942, e.w.p.

C. A. A. CONSTRUCTION PROGRAM

RUTLAND AIRPORT

GRADING PLAN

RUTLAND VERMONT

IN 11 SHEETS SCALE: 1 IN. = 200 FT. SHEET NO. 4

U. S. ENGINEER OFFICE, NEW YORK DISTRICT, NEW YORK, AUGUST - 1942.

Submitted: F. J. Francuzo, Engineer. Recommended: Clarence Pond, Principal Engineer. Approved: E. S. Adams, Col., Corps of Engineers.

Approved for C.A.A.: Herwy F. Low (Signed), Superior of Airports.

To Accompany Specifications Dated MARCH 13, 1942.

PROV. FILE NO. RA-4-1026

FILE NO. A-495.