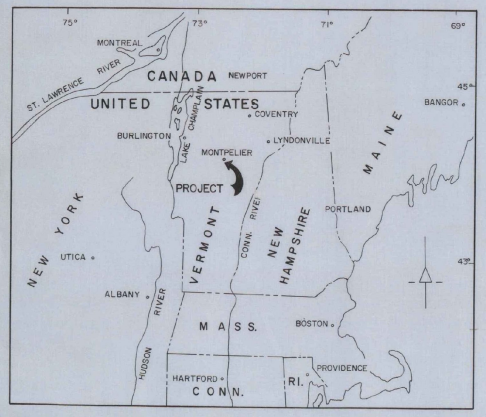
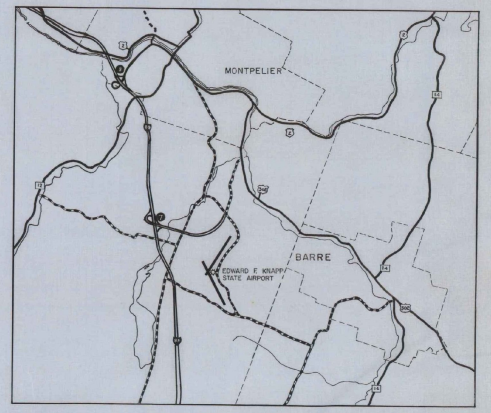
EDWARD F. KNAPP STATE AIRPORT

BERLIN, VERMONT



TERMINAL AREA DEVELOPMENT



REVISIONS	
DESCRIPTION	DATE
Pgs 2, 3, 4, 5 - UPDATED & NOTES ADDED	21 SEPT '71

EDWARD F. KNAPP STATE AIRPORT
BERLIN, VERMONT

VERMONT AERONAUTICS BOARD

APPROVED _____ DATE _____
COMMISIONER

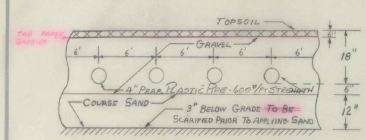
APPROVED Gordon Shepardson DATE 21 SEPT '71
AIRPORT ENGR.

PREPARED
BY
VERMONT AERONAUTICS BOARD
MONTPELIER, VERMONT

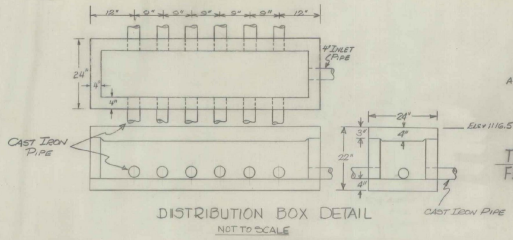
TERMINAL AREA EXSPANSION

G.H. SHEPARDSON — AIRPORT ENGR.

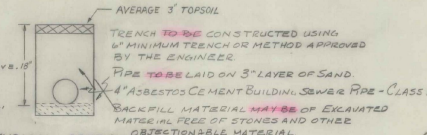
DATE: JULY 1, 1971



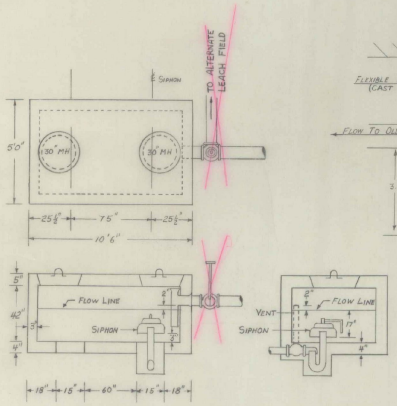
TYPICAL SECTION LEACH FIELD
NOT TO SCALE



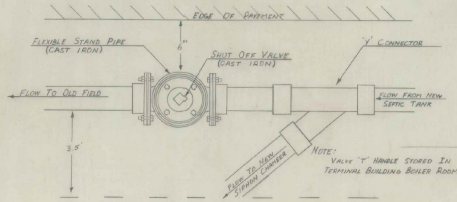
DISTRIBUTION BOX DETAIL
NOT TO SCALE

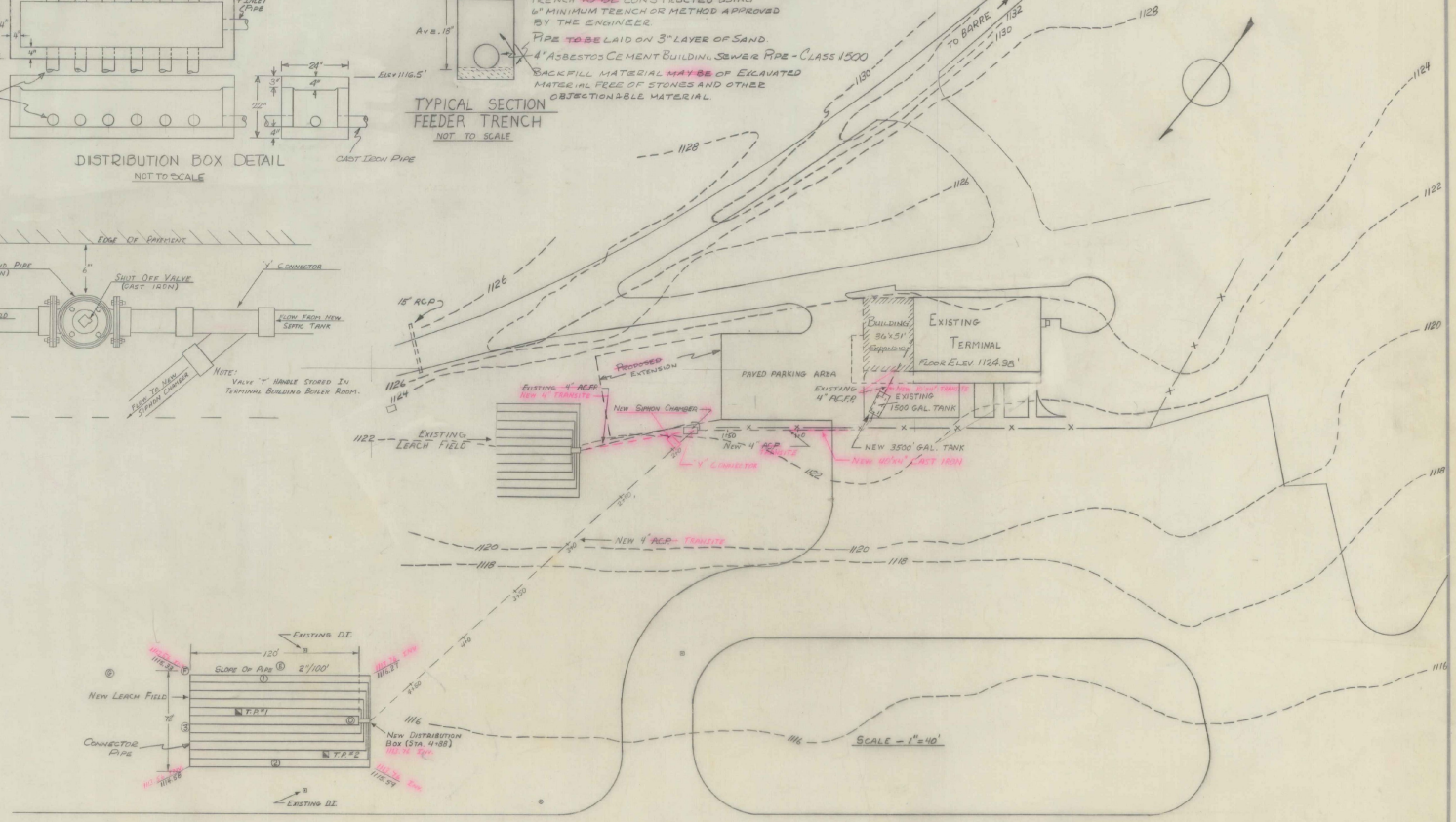


TYPICAL SECTION FEEDER TRENCH
NOT TO SCALE

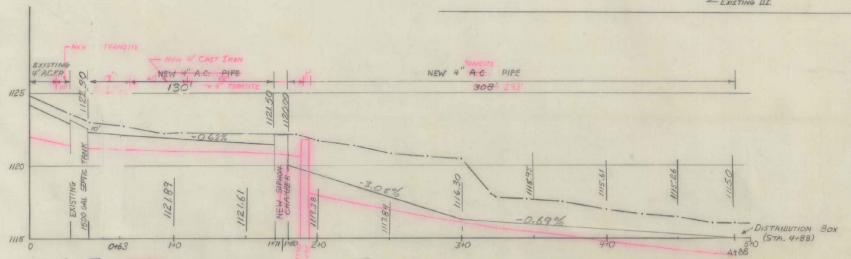


SIPHON CHAMBER DETAIL
NOT TO SCALE





RUNWAY 5-23 4027 x 150
REFUSE AREA NORTHWEST OF RUNWAY 1-19 4-5-23 INTERSECTION



1500 GAL. TANK TO BE REMOVED AND REPLACED WITH 3500 GAL. CONCRETE SEPTIC TANK.

PROFILE SCALE
1"=40' HOR.
1"=4' VERT.

PROPOSED INSTALLATION & FEEDER LINE FOR SANITARY FACILITIES

SOIL TEST DATA

PERCOLATION RATES		TEST PITS (EXCAVATED 17 APRIL 1970)
Test Hole #	Minutes/Inch	T.P. #1 & T.P. #2
1	42	1. DEPTH 6.6' DRY WHEN EXCAVATED.
2	48	2. SOIL SILTY-CLAY
3	34	3. NO EVIDENCE OF DIFFERENT SOIL STRATA.
D	60	4. NO SIGN OF WATER TABLE DURING FIRST DAY
E	30	5. AFTER CONSIDERABLE RAIN OVER SEVERAL DAYS
F	6	WATER TABLE APPEARED TO STABLIZE AT
G	30	6' DEPTH.
ASSUMED AVERAGE	40	



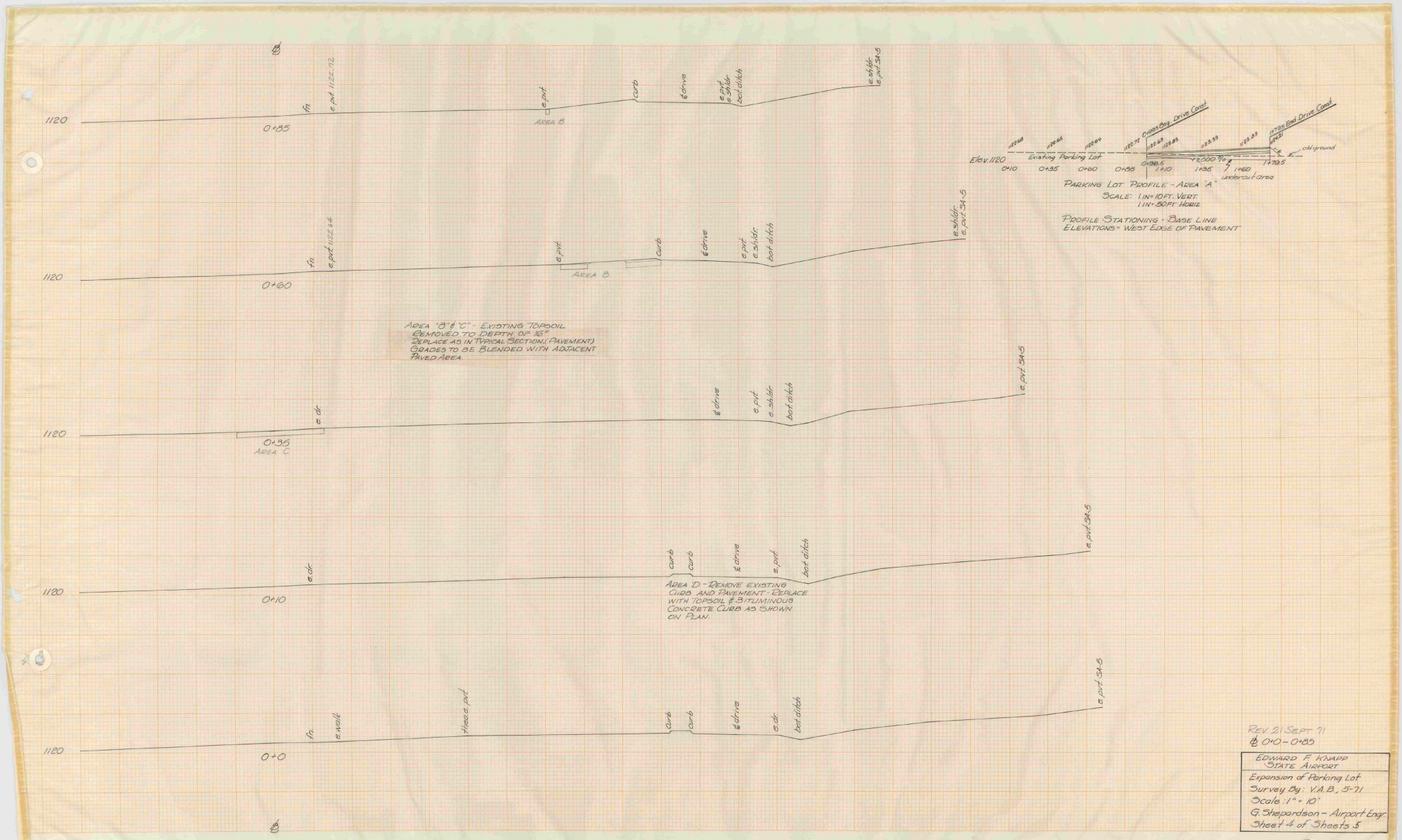
REV. 2 SEPT. '71

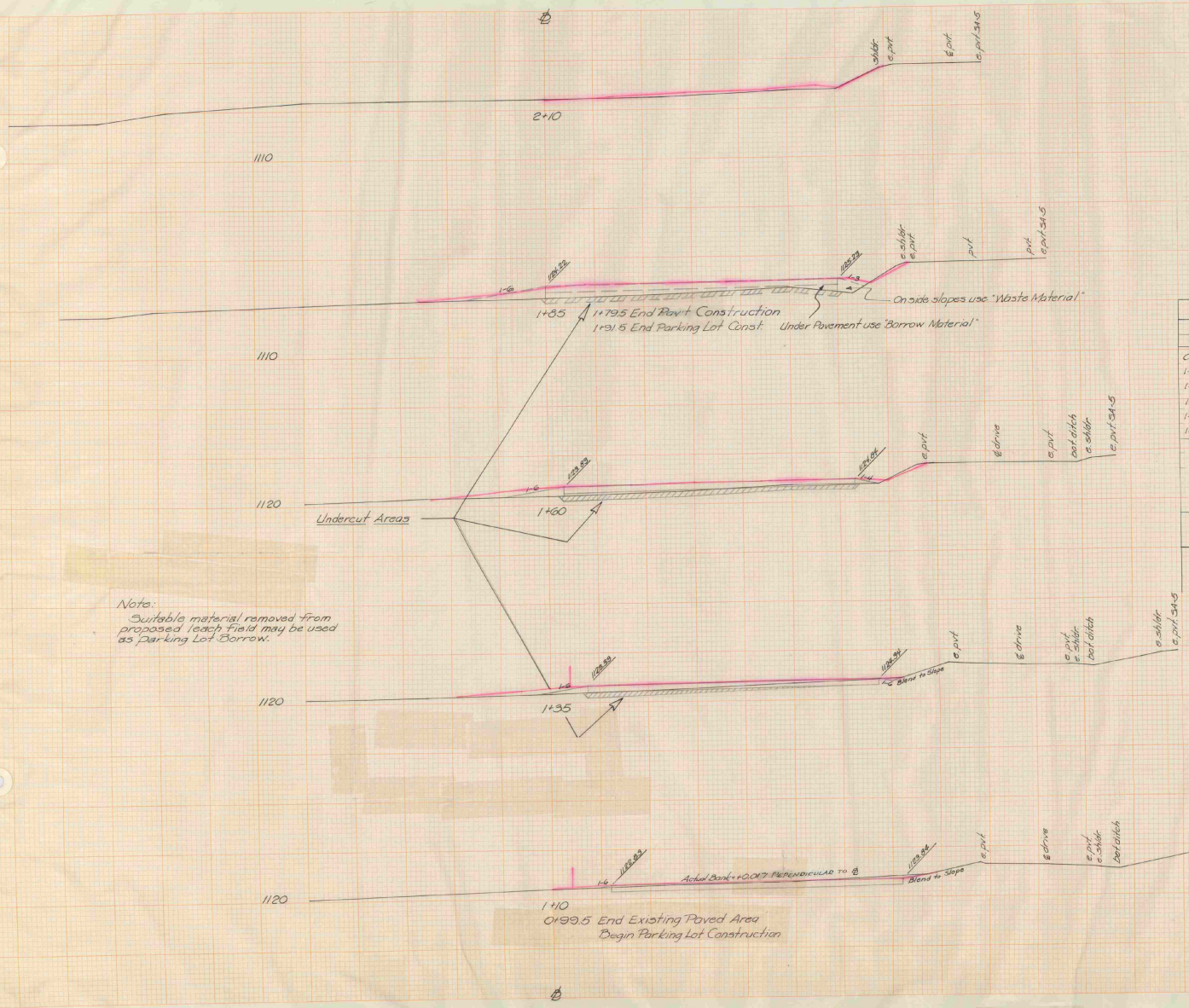
EDWARD F. KNAPP STATE AIRPORT
BERLIN, VERMONT

SANITARY DISPOSAL SYSTEM PLAN

VERMONT AERONAUTICS BOARD
MONTPELIER, VERMONT

ENGR. G. SHEPARDSON
DRWN. BY M. YATES SEPT. 70


℄
1120
0+85
f.n.
e.pvt. 1122.72
e.pvt.
AREA B
curb
℄ drive
e.pvt. e.shldr. bot. ditch
e.shldr. e.pvt. 514.5
1120
0+60
f.n.
e.pvt. 1122.64
e.pvt.
AREA B
curb
℄ drive
e.pvt. e.shldr. bot. ditch
e.shldr. e.pvt. 514.5
AREA "B" & "C" - EXISTING TOPSOIL REMOVED TO DEPTH OF 16". REPLACE AS IN TYPICAL SECTION. (PAVEMENT) GRADES TO BE BLENDED WITH ADJACENT PAVED AREA.
1120
0+35
AREA C
e. dr.
℄ drive
e.pvt. e.shldr. bot. ditch
e.pvt. 514.5
1120
0+10
e. dr.
curb
curb
℄ drive
e.pvt.
bot. ditch
e.pvt. 514.5
AREA D - REMOVE EXISTING CURB AND PAVEMENT - REPLACE WITH TOPSOIL & BITUMINOUS CONCRETE CURB AS SHOWN ON PLAN.
1120
0+0
f.n.
e.walk
House pvt.
curb
curb
℄ drive
e. dr.
bot. ditch
e.pvt. 514.5
℄
Elev. 1120
Existing Parking Lot
0+10
0+35
0+60
0+85
0+98.5
1+10
1+35
1+60
1+79.5
undercut area
old ground
+2.000 %
PARKING LOT PROFILE - AREA "A"
SCALE: 1 IN = 10 FT. VERT.
1 IN = 50 FT. HORIZ.
PROFILE STATIONING + BASE LINE ELEVATIONS = WEST EDGE OF PAVEMENT
REV 2 | SEPT 71
℄ 0+0 - 0+85
EDWARD F. KNAPP STATE AIRPORT
Expansion of Parking Lot
Survey By: V.A.B., 5-71
Scale: 1" = 10'
G. Shepardson - Airport Engr.
Sheet 4 of Sheets 5
PAGE 4 or 5



PROJECT EARTHWORKS								
			EXCAVATION		EMBANKMENT		EMBANK. UNDER PAVE	
STA.	TANG. ELEV.	DIST.	AREA	VOL.	AREA	VOL.	AREA	VOL.
0+99.5	1122.63	10.5	73	29	0	0	0	0
1+10	1122.83	25	73	62	0	18	0	16
1+35	1123.33	25	61	56	38	56	33	48
1+60	1123.83	19.5	61	44	83	79	69	65
1+79.5	1124.82	12	6		135/157	35	109	
1+91.5	GRD.		BUTT 0	—	0		BUTT	
TOTAL AREA "A"				191		188		129
TOTAL AREA "B" 688 x 1.33 x 1/27				34			FACTOR	1.25
TOTAL AREA "C" 556 x 1.33 x 1/27				27			BORROW	161
							EXCESS	32
SCHEDULE "B" TOTALS				252		188	BORROW	161
ROUNDED OFF				260				

Note:
Suitable material removed from proposed leach field may be used as Parking Lot Borrow.

Note:
All material to be disposed of on this project shall be removed to the former airport refuse area. Coordination must be made with the Engineer when vehicular traffic comes in conflict with airport activities.

Rev. 21 Sept 71
℄ 1+10 – 2+10

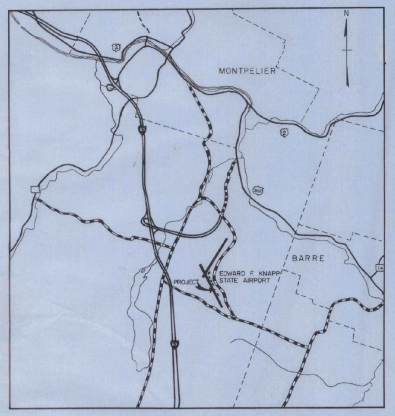
EDWARD F. KNAPP STATE AIRPORT
Expansion of Parking Lot
Survey By: V.A.B., 5-71
Scale: 1" = 10'
G. Shepardson – Airport Engr.
Sheet of Sheets

Sheet 5 of 5

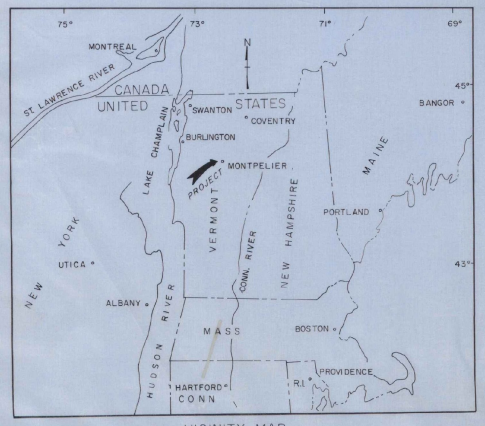
EDWARD F. KNAPP STATE AIRPORT
BERLIN, VERMONT

AIRCRAFT APRON CONSTRUCTION
(GENERAL AVIATION)

EXPAND AIRCRAFT PARKING APRON (120' x 300') INCLUDING SAFETY FENCING (APPROX. 746')



LOCATION MAP



VICINITY MAP

ESTIMATED QUANTITIES OF MAJOR ITEMS

ITEM NO.	ITEM	UNIT	EST QUANTITY	FINAL QUANTITIES
1	COMMON EXCAVATION	C.Y.	2,550	2,550
2	SOLID ROCK EXCAVATION	C.Y.	5	0
3	BORROW	C.Y.	810	0
4	SUBBASE COURSE	C.Y.	750	750
5	CRUSHED AGGREGATE BASE COURSE	C.Y.	750	750
6	BITUMINOUS PRIME COAT	GAL.	2,260	1750
7	BITUMINOUS SURFACE COURSE	TON	533	458
9	SEEDING, LIMING, FERTILIZING & MULCHING	M.S.F.	25	43
10A	CHAIN LINK FENCE	L.F.	746	767
10B	CHAIN LINK WALKWAY GATE	EACH	1	1
10C	CHAIN LINK DRIVEWAY GATE	EACH	4	4
10D	CHAIN LINK DRIVEWAY GATE	EACH	2	2
11	TIE DOWN ANCHORS	EACH	42	42
—	TOPSOIL	C.Y.	0	48

REVISIONS	
DESCRIPTION	DATE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
APPROVED _____ DATE _____
CHIEF ENGINEERING BRANCH
AIRPORTS DIVISION

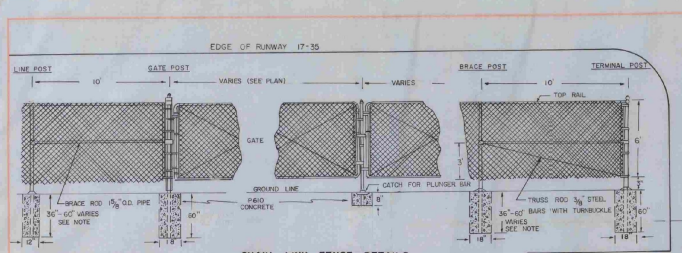
EDWARD F. KNAPP STATE AIRPORT
BERLIN, VERMONT
VERMONT AERONAUTICS BOARD
APPROVED Charles D. Mead DATE 5 Aug 74
COMMISSIONER
APPROVED L. O. Leach DATE 5 AUG 74
AIRPORT ENGR.

PREPARED BY
VERMONT AERONAUTICS BOARD
MONTPELIER, VERMONT
VAIL O. LEACH — ENGR.
DATE FEB., 1974

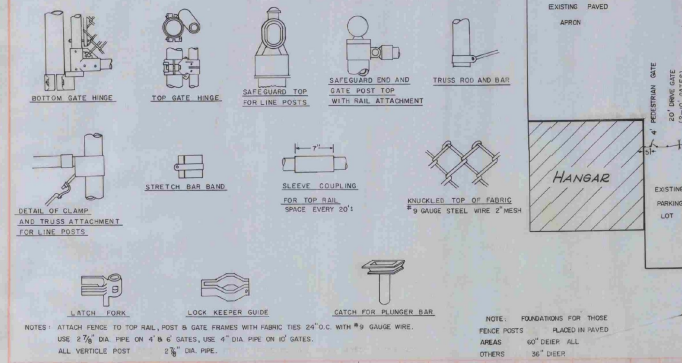
STATE OF VERMONT
VAIL O. LEACH
No. 3074
REGISTERED PROFESSIONAL ENGINEER

AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
By Michael L. Yates Project Engineer
Date 6-30-76

ADAP PROJECT NO. 6-50-0001-02

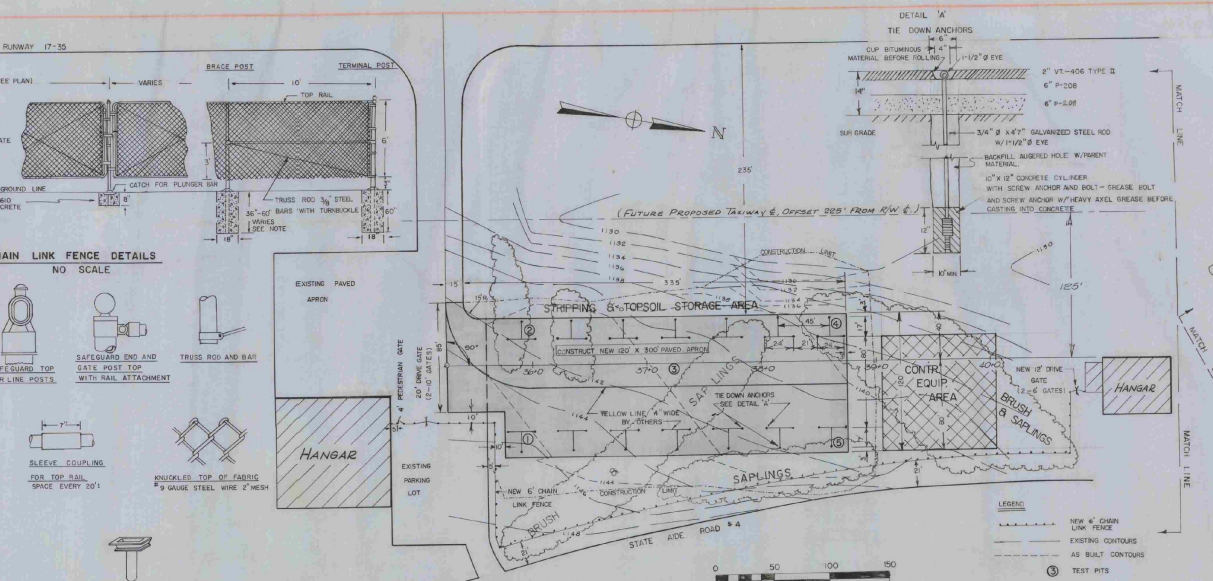


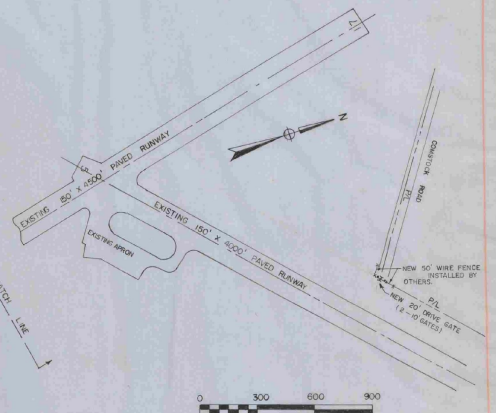
CHAIN LINK FENCE DETAILS
NO SCALE



NOTES: ATTACH FENCE TO TOP RAIL, POST & GATE FRAMES WITH FABRIC TIES 24" O.C. WITH #9 GAUGE WIRE.
USE 2 7/8" DIA. PIPE ON 4' & 6' GATES, USE 4" DIA. PIPE ON 10' GATES.
ALL VERTICLE POST 2 3/8" DIA. PIPE.

NOTE: FOUNDATIONS FOR THOSE FENCE POSTS PLACED IN PAVED AREAS 60" DEIEP ALL OTHERS 36" DEER

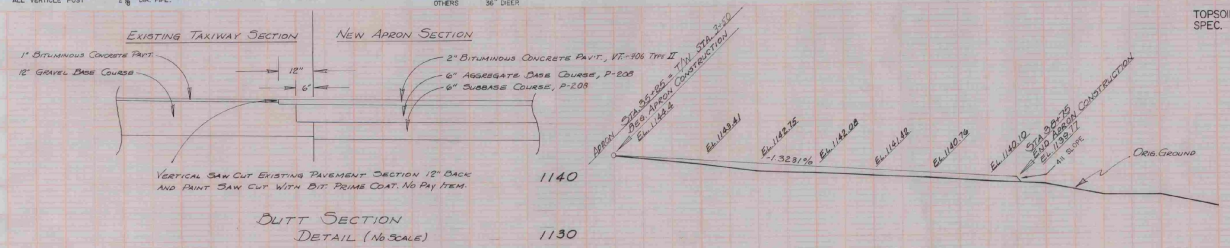


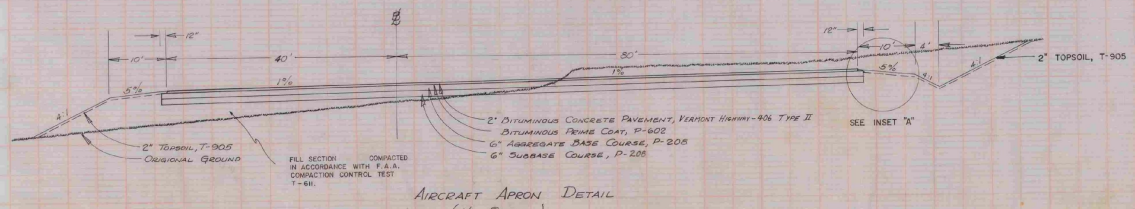


ALL ELEVATIONS REFER TO MEAN SEA LEVEL DATUM

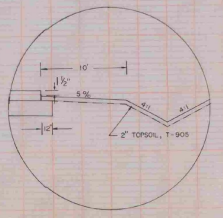
NOTE: THE CLEARING OF BRUSH AND SAPLINGS LOCATED WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT ACCOMPLISHED AS PART OF THE COMMON EXCAVATION ITEM.

TOPSOIL REQUIREMENT ESTIMATED AT 155 C.Y. (NOT A PAY ITEM) SEE FAA SPEC. P152 – 2.12 & T-905.



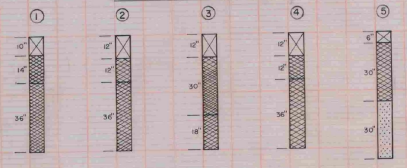


AIRCRAFT APRON DETAIL
(No Scale)



INSET "A"

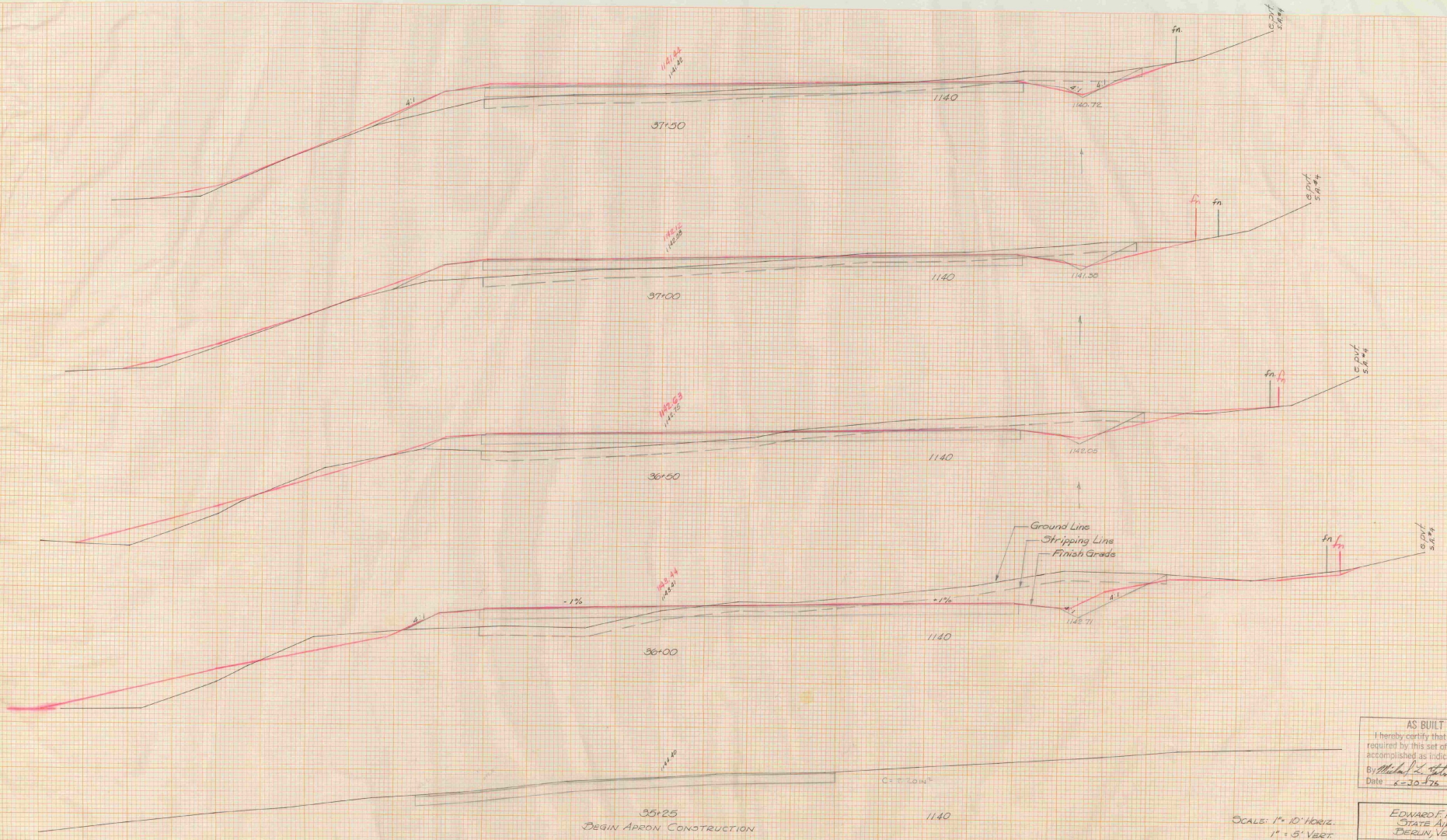
TEST PIT DESCRIPTIONS



AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
By Michael L. Gates Project Engineer
Date 6-20-76

ADAP PROJECT NO. 8-50-0001-02

EDWARD F. KNAPP STATE AIRPORT BERLIN, VERMONT
GENERAL AVIATION APRON CONSTRUCTION
LAYOUT & DETAIL SHEET
VERMONT AERONAUTICS BOARD
YAIL O. LEACH, AIRPORT ENGR.
DRAWN BY: RJK, 2-74



AS BUILT PLANS

I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.

By _____ Project Engineer

Date 6-30-76

EDWARD F. KNAPP
STATE AIRPORT
BERLIN, VERMONT

GENERAL AVIATION APRON CONSTRUCTION

CROSS SECTION SHEET

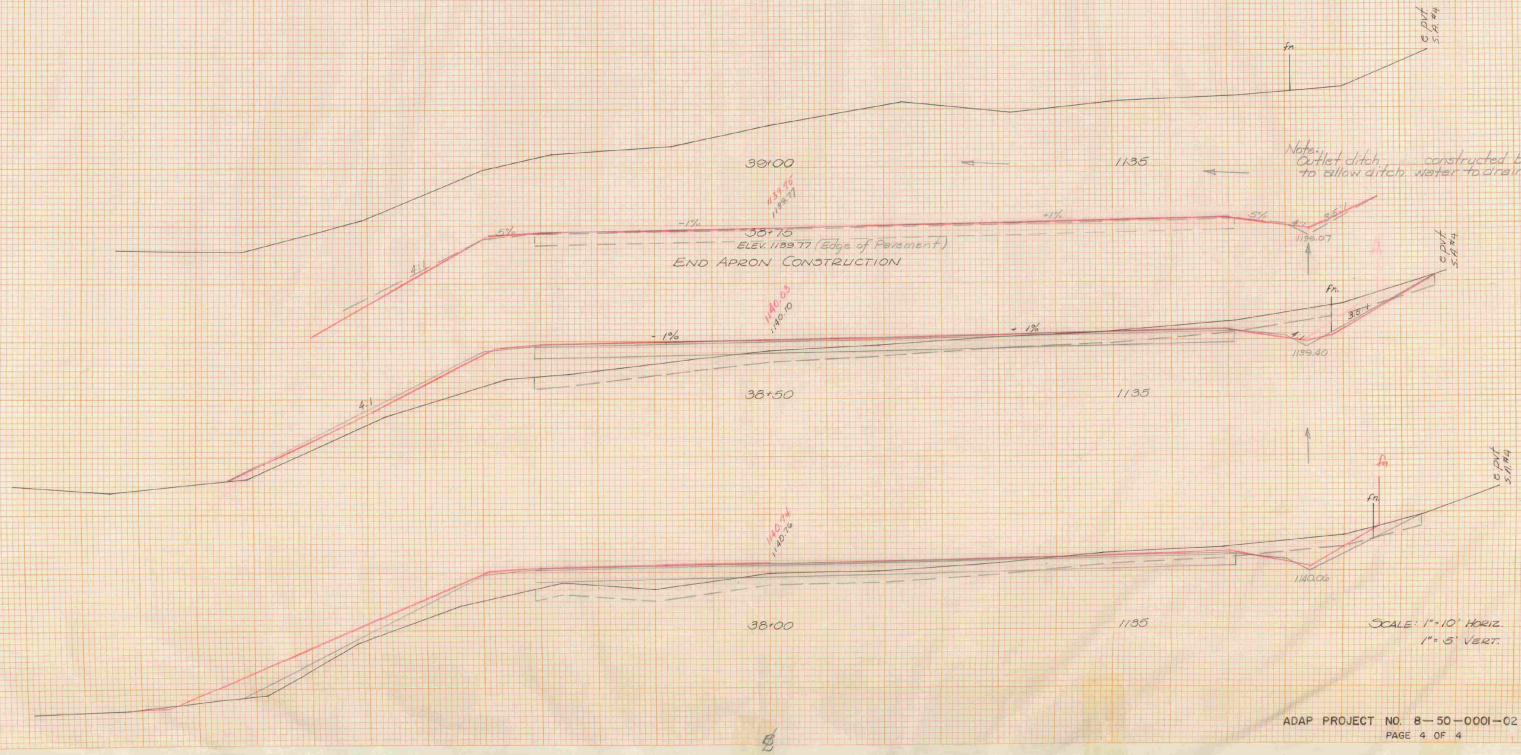
VERMONT AERONAUTICS BOARD
VAIL O. LEACH, AIRPORT ENGR.
DRAWN BY: TJK 2-74

SCALE: 1" = 10' HORIZ.
1" = 5' VERT.

ADAP PROJECT NO. 8-50-0001-02

PAGE 3 OF 4

K+E 10 X 10 TO THE INCH
KEUFFEL & ESSER CO.
PRINTED IN U.S.A.



AS BUILT PLANS

I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.

By _____ Project Engineer

Date 5-30-76

EDWARD F. KNAPP STATE AIRPORT BERLIN, VERMONT

GENERAL AVIATION APRON CONSTRUCTION

CROSS SECTION SHEET

VERMONT AERONAUTICS BOARD
VAL O. LEACH, AIRPORT ENGR.
DRAWN BY: RJK 2-74

ADAP PROJECT NO. 8-50-0001-02
PAGE 4 OF 4

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