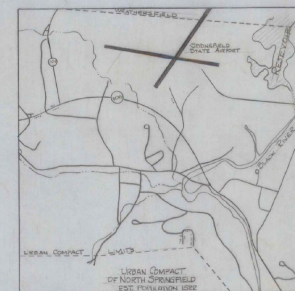


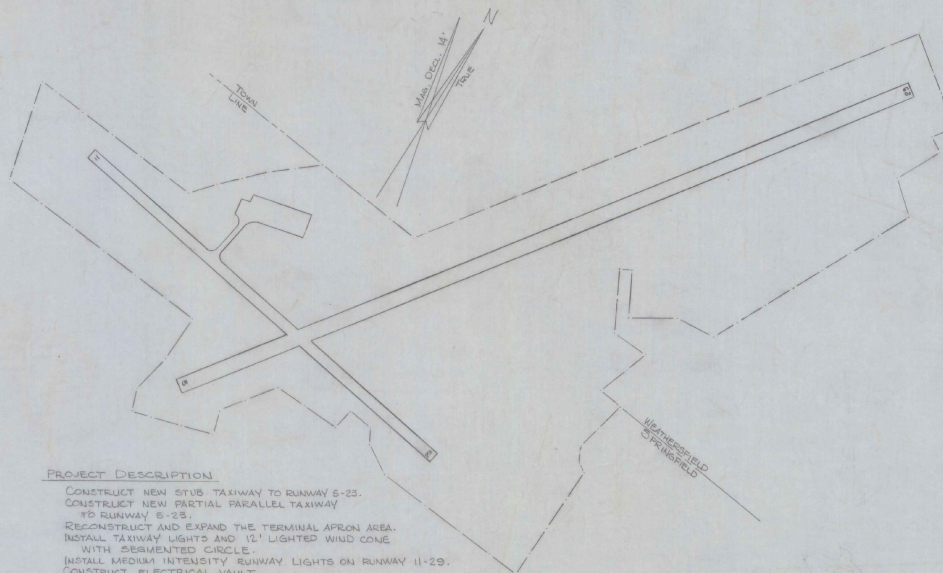
VICINITY MAP

SPRINGFIELD STATE AIRPORT SPRINGFIELD, VERMONT

TERMINAL AREA IMPROVEMENTS ADAP NO. 5-50-0016-04



LOCATION MAP



PROJECT DESCRIPTION

CONSTRUCT NEW SUB TAXIWAY TO RUNWAY 6-23.
CONSTRUCT NEW PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6-23.
RECONSTRUCT AND EXPAND THE TERMINAL APRON AREA.
INSTALL TAXIWAY LIGHTS AND 12' LIGHTED WIND CONE
WITH SEMI-CIRCULAR LIGHTS.
INSTALL MEDIUM INTENSITY RUNWAY LIGHTS ON RUNWAY 11-29.
CONSTRUCT ELECTRICAL VAULT.

GENERAL PLAN

SCALE 1"=200'

INDEX OF SHEETS

1. TITLE PAGE
2. PROJECT LAYOUT
3. LIGHTING PLAN
4. ELECTRICAL VAULT
5. ELECTRICAL TYPICALS & VAULT DETAIL SHEET
6. DRAINAGE, MARKING & TIE DOWN SHEET
7. TYPICAL SECTIONS, 7A STD D-1, 7-B STD D-19
8. PROFILE SHEET
9. BORING LOG
10. QUANTITY SHEET
11. EARTHWORK SUMMARY
- 12-16. CROSS SECTIONS

REVISIONS	
DESCRIPTION	DATE

AS BUILT PLANS

I hereby certify that all the construction
required by this set of drawings has been
accomplished as indicated herein.
By Donald E. Barnes Resident Engineer
Date 6/09/80

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

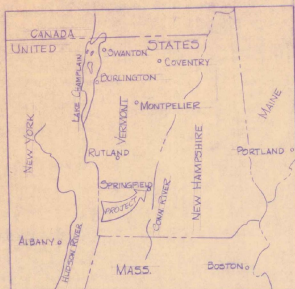
APPROVED 1/9/80 DATE 9-21-78
CHIEF OF ENGINEERING AND CONSTRUCTION

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

APPROVED _____ DATE _____
CHIEF ENGINEERING BRANCH
AIRPORTS DIVISION

PROJECT ADAP NO. 5-50-0016-04

SHEET 1 OF 16 SHEETS

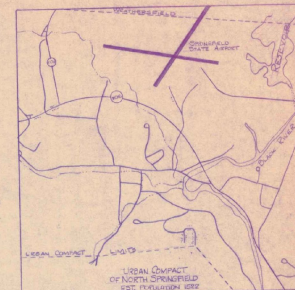


VICINITY MAP

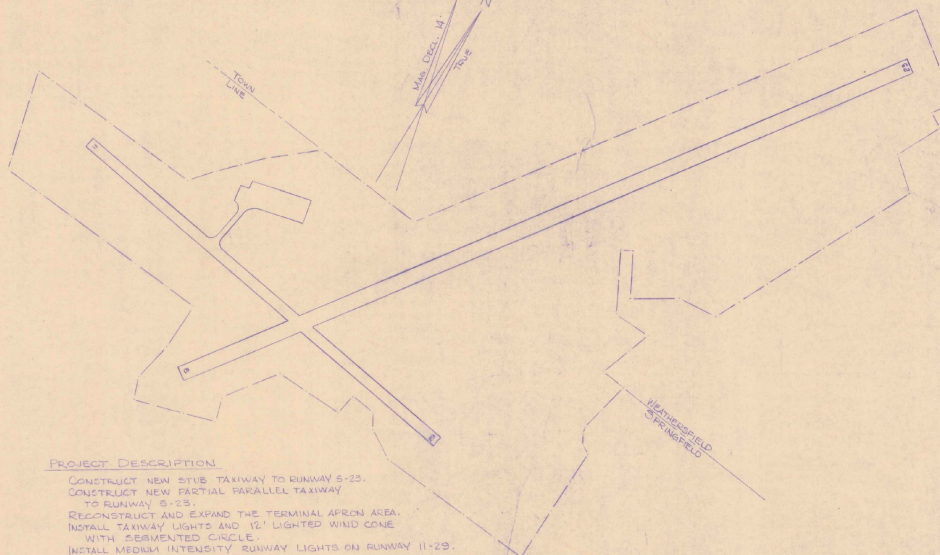
SPRINGFIELD STATE AIRPORT SPRINGFIELD, VERMONT

TERMINAL AREA IMPROVEMENTS

ADAP NO. 5-50-0016-04
CONTRACTS A & B



LOCATION MAP



PROJECT DESCRIPTION

CONSTRUCT NEW STUD TAXIWAY TO RUNWAY 6-23.
CONSTRUCT NEW PARTIAL PARALLEL TAXIWAY
TO RUNWAY 6-23.
RECONSTRUCT AND EXPAND THE TERMINAL APRON AREA.
INSTALL TAXIWAY LIGHTS AND 16' LIGHTED WIND CONE
WITH SEMI-INTENSIVE LIGHTS.
INSTALL MEDIUM INTENSITY RUNWAY LIGHTS ON RUNWAY 11-29.
CONSTRUCT ELECTRICAL VAULT.

GENERAL PLAN

SCALE: 1"=200'

INDEX OF SHEETS

1. TITLE PAGE
2. PROJECT LAYOUT
3. LIGHTING PLAN
4. ELECTRICAL VAULT
5. ELECTRICAL TYPICALS & VAULT DETAIL SHEET
6. DRAINAGE, MARKING & TIE DOWN SHEET
7. TYPICAL SECTIONS, 7-4 STD. D-11, 7-5 STD. D-19
8. PROFILE SHEET
9. BORING LOG
10. QUANTITY SHEET
11. EARTHWORK SUMMARY
- 12-16. CROSS SECTIONS

Contract 'A'

These plans have been reviewed and are acceptable to the FAA.

John A. Dine 4/9/82
DATE

Contract 'B'

These plans have been reviewed and are acceptable to the FAA.

John A. Dine 4/9/82
DATE

AS BUILT PLANS

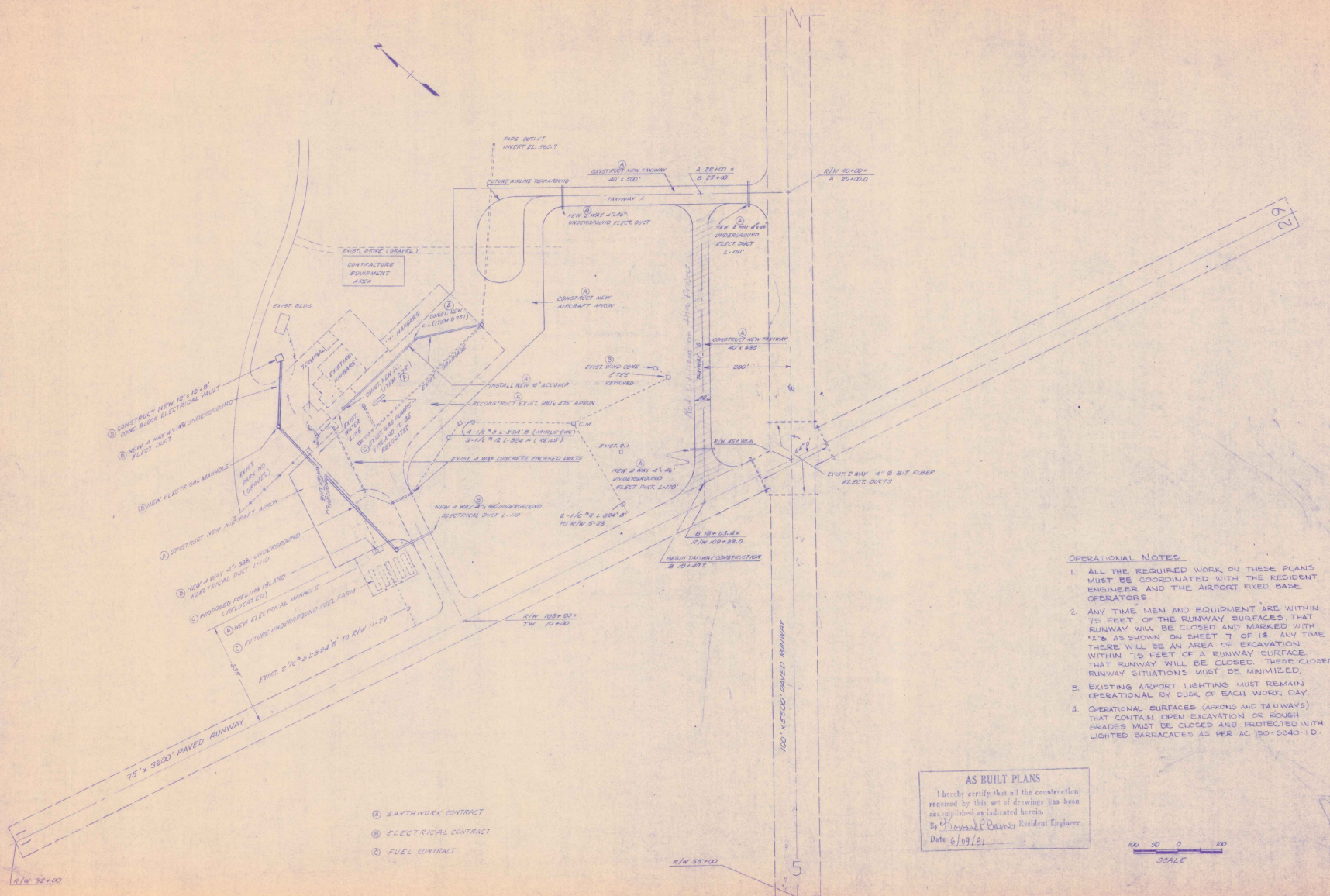
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.

By *Donald J. Scarsd* Resident Engineer
Date 6/19/81

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD	
APPROVED <i>John A. Dine</i> 4/9/82	DATE 4/9/82
CHIEF OF ENGINEERING AND CONSTRUCTION	
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	
APPROVED	DATE
CHIEF ENGINEERING BRANCH AIRPORTS DIVISION	
PROJECT ADAP NO. 5-50-0016-04	
SHEET 1 OF 16 SHEETS	

REVISIONS	
DESCRIPTION	DATE

ADAP 5-50-0016-03
AIR 4-4503
1980
ADAP 5-50-0016-04
AIR 21-6004
1981



OPERATIONAL NOTES.

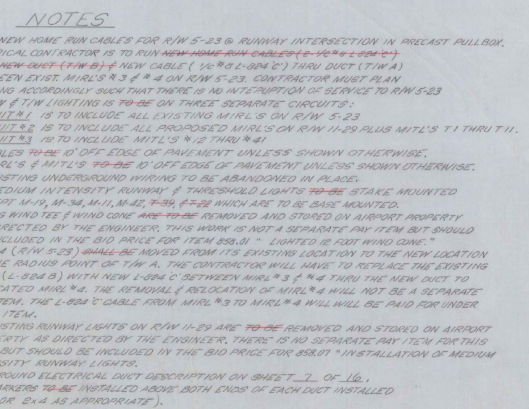
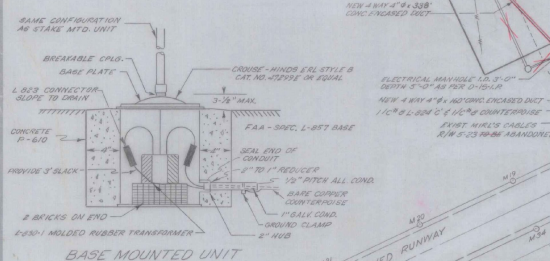
1. ALL THE REQUIRED WORK ON THESE PLANS MUST BE COORDINATED WITH THE RESIDENT ENGINEER AND THE AIRPORT FIXED BASE OPERATORS.
2. ANY TIME MEN AND EQUIPMENT ARE WITHIN 15 FEET OF THE RUNWAY SURFACES, THAT RUNWAY WILL BE CLOSED AND MARKED WITH "X'S" AS SHOWN ON SHEET 1 OF 8. ANY TIME THERE WILL BE AN AREA OF EXCAVATION WITHIN 15 FEET OF A RUNWAY SURFACE, THAT RUNWAY WILL BE CLOSED. THESE CLOSED RUNWAY SITUATIONS MUST BE MINIMIZED.
3. EXISTING AIRPORT LIGHTING MUST REMAIN OPERATIONAL BY CURS OF EACH WORK DAY.
4. OPERATIONAL SURFACES (APRONS AND TAXIWAYS) THAT CONTAIN OPEN EXCAVATION OR ROUGH GRADES MUST BE CLOSED AND PROTECTED WITH LIGHTED BARRICADES AS PER AC 150-5540-1-D.

AS BUILT PLANS

I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
By Donald J. Owens Resident Engineer
Date 6/19/81

100 50 0 50
SCALE

SURVEYED BY DATE
DRAWN BY DATE
CHECKED BY DATE
PROJECT LAYOUT
PROJ ADAP NO 5-80-0016-04
SHEET 2 OF 16

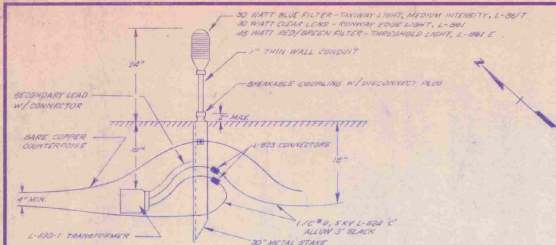


SURVEYED BY _____ DATE _____
DRAWN BY H.G.R. DATE _____
TRACED BY _____ DATE _____

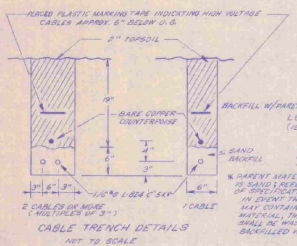
LIGHTING PLAN

PROJ. ADAP NO. 5-50-0016-04

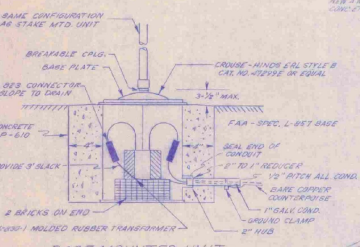
SHEET 3 OF 16



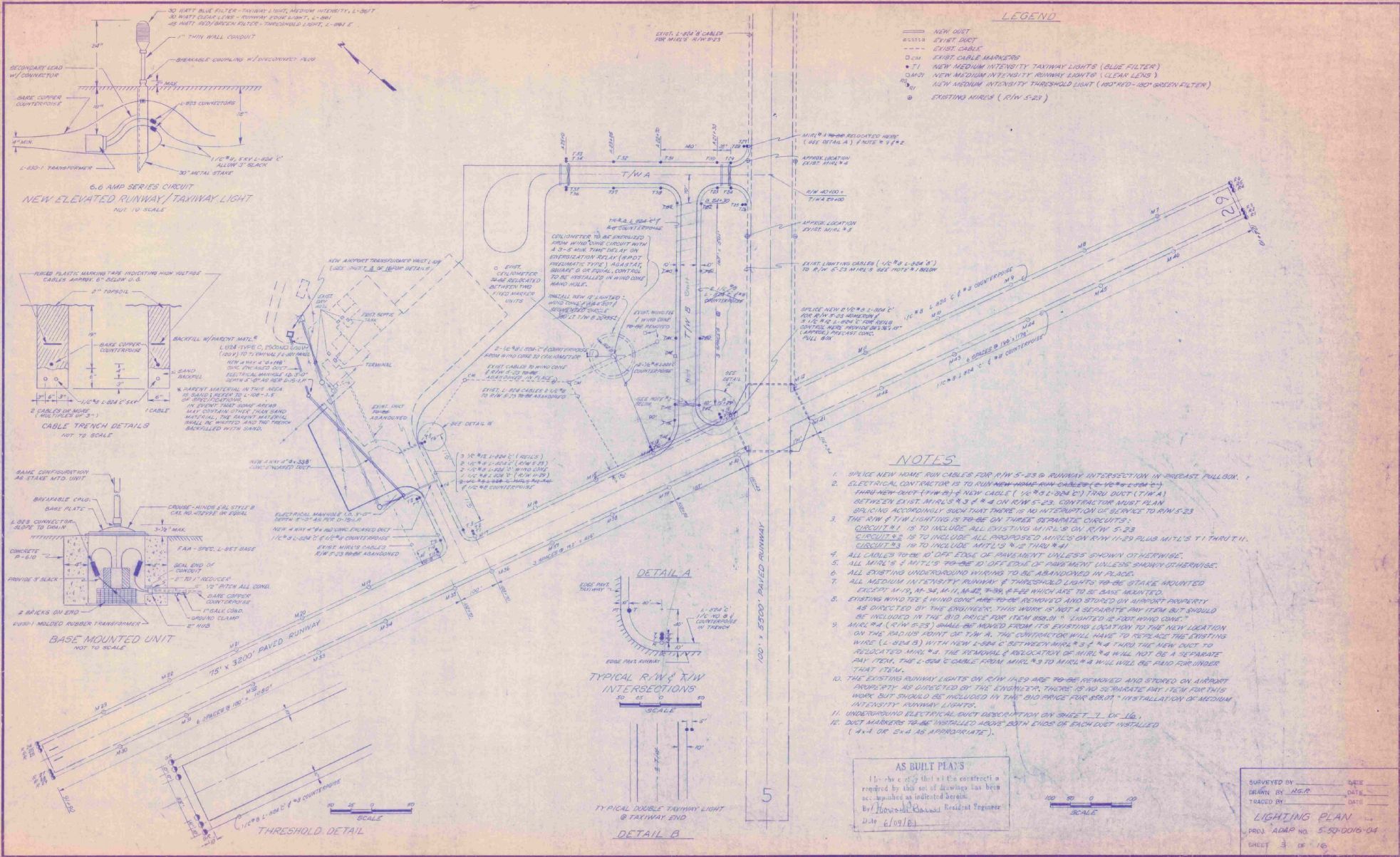
6.6 AMP SERIES CIRCUIT
NEW ELEVATED RUNWAY/TAXIWAY LIGHT
NOT TO SCALE



CABLE TRENCH DETAILS
NOT TO SCALE



BASE MOUNTED UNIT
NOT TO SCALE



LEGEND

- NEW DUCT
- EXIST DUCT
- EXIST CABLE
- EXIST CABLE MARKERS
- NEW MEDIUM INTENSITY TAXIWAY LIGHTS (BLUE FILTER)
- NEW MEDIUM INTENSITY RUNWAY LIGHTS (CLEAR LENS)
- NEW MEDIUM INTENSITY THRESHOLD LIGHT (RED/RED-BROWN GREEN FILTER)
- EXISTING MILES (R/W 5-23)

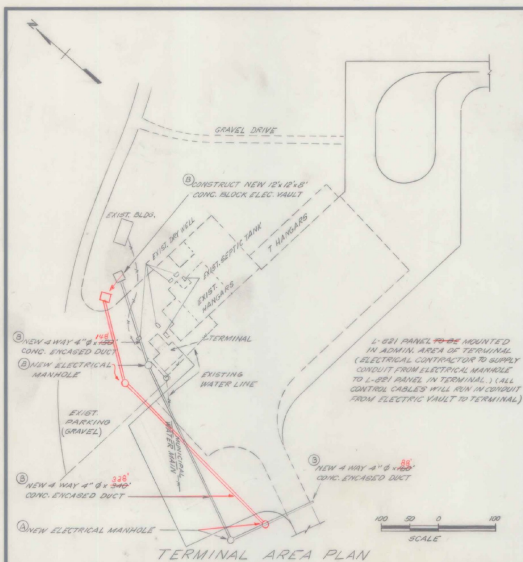
NOTES

- SPlice NEW HOME RUN CABLES FOR R/W 5-23 @ RUNWAY INTERSECTION IN PRECAST PULLBOX.
- ELECTRICAL CONTRACTOR IS TO RUN NEW HOME RUN CABLES (2-1/2\"/>

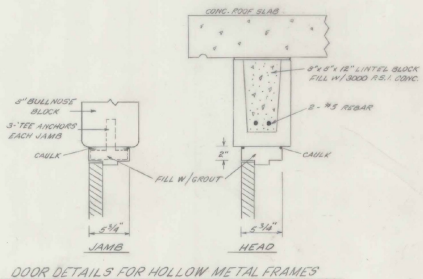
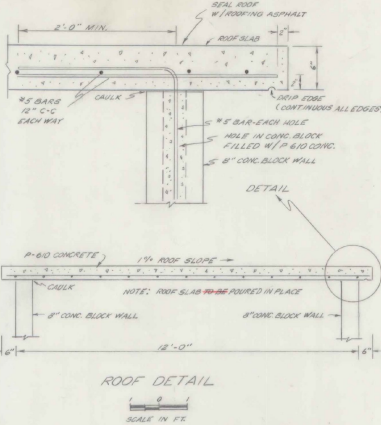
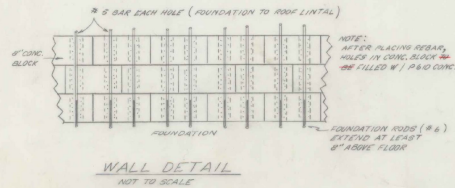
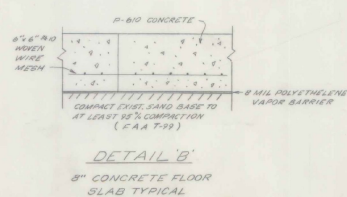
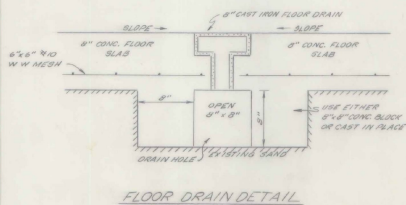
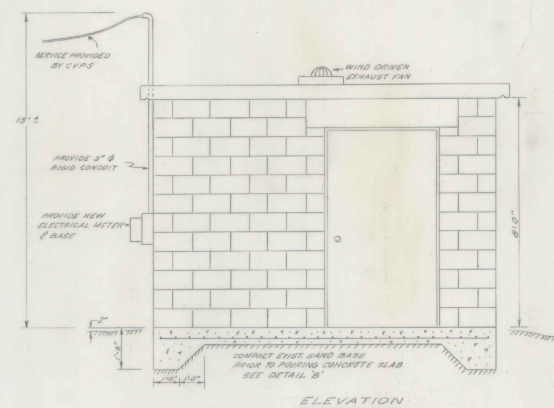
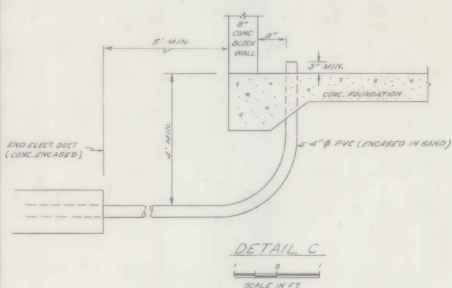
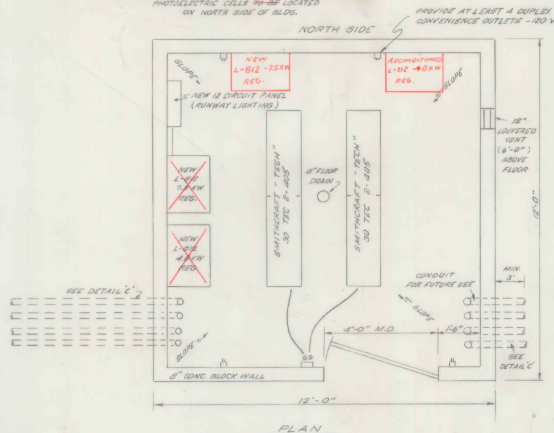
AS BUILT PLANS

I hereby certify that all the contracts required by this set of drawings has been completed as indicated herein.
By: *[Signature]*
Date: 6/10/80

SURVEYED BY	DATE
DRAWN BY	DATE
TRACED BY	DATE
LIGHTING PLAN	
PROJ. ADMP NO. 55-50-0016-04	
SHEET 3 OF 10	



ANTENNA FOR RADIO CONTROLLER (L-854)
TO BE LOCATED ON ROOF OF BUILDING.
PHOTOELECTRIC CELLS TO BE LOCATED
ON NORTH SIDE OF BLDG.



NOTES

1. REFER TO FAA L109 FOR SPECIFICATIONS.
2. MOUNT CONTACTORS, BOOSTER TRANSFORMERS & MISC. HARDWARE ON SAME WALL AS NEW 12" CIRCUIT PANEL BOX.
3. ALL CONDUIT TO BE RIGID METAL CONDUIT SIZED ACCORDING TO CODE.
4. PROVIDE GROUND BUS BENEATH 12" CIRCUIT PANEL BOX.
5. PROVIDE AT LEAST 1" ROOF SLOPE (TO EAST).
6. FOUNDATION FLOOR TO BE TO CENTER OF VAULT.
7. REFER TO L-109-3.8 FOR PAINTING REQUIREMENTS.
8. DOOR TO BE METAL CLAD FIREPROOF CLASS A (31/2" x 6'8") WITH REMOVABLE PIN HINGES AND WITH LOCK AND KEYS PROVIDED BY CONTRACTOR.
9. ALL CONTACTORS AND RELAYS TO BE ENCLOSED IN NEMA-4 ENCLOSURES.
10. VAULT BUILDING CONSTRUCTION AND MATERIALS ARE TO CONFORM TO THE ABOVE RECOMMENDED SPEC. ITEM L-109.
11. EXTERIOR CONCRETE BLOCK WALLS TO BE SEALED WITH TWO COATS OF APPROVED SEALER, THE FINAL COAT TO BE WHITE.

AS BUILT PLANS

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

By: Knowledge Resources, Inc. at Tega or Date 6/09/81

SURVEYED BY _____ DATE _____

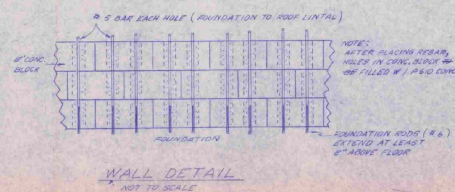
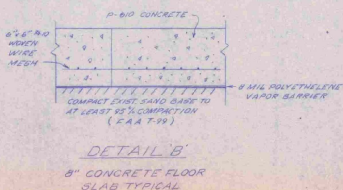
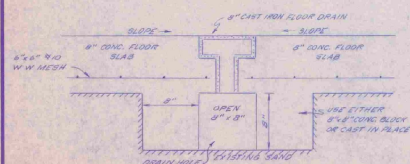
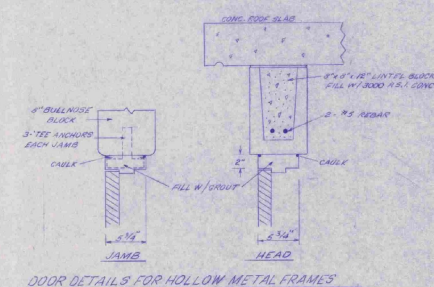
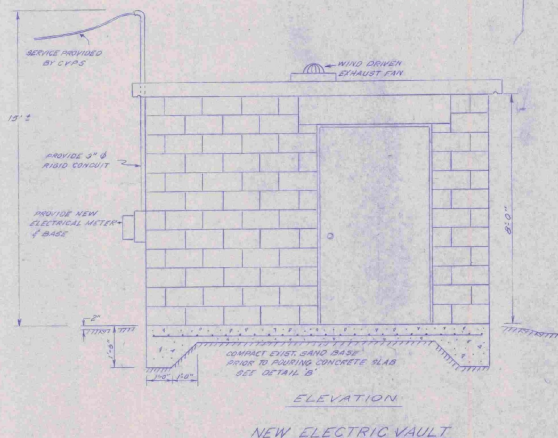
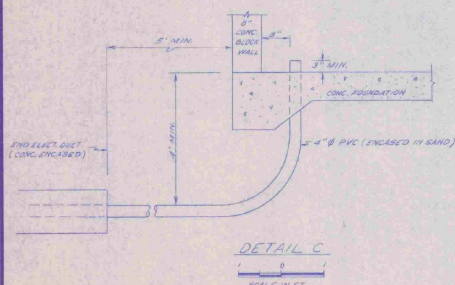
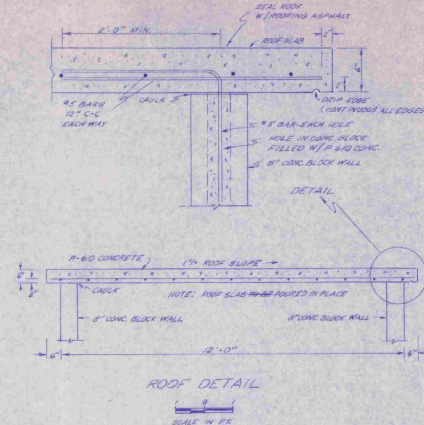
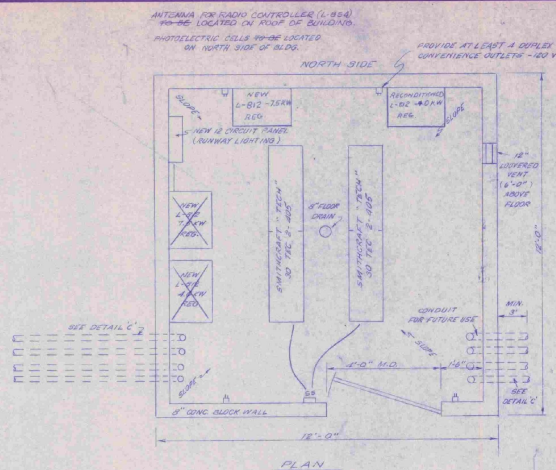
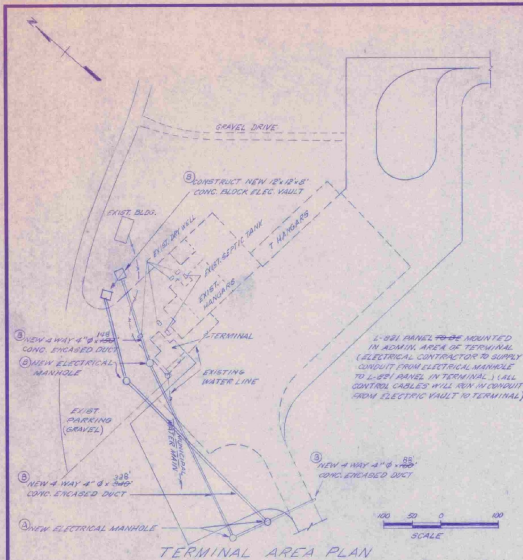
DRAWN BY MBR DATE _____

TRACED BY _____ DATE _____

AIRPORT ELECTRICAL VAULT

PROJ. ADAP NO. 5-50-0018-04

SHEET 4 OF 16



NOTES

1. REFER TO L-100 RCD SPECIFICATIONS
2. MOUNT CONTACTORS, DOORSTOP TRANSFORMERS & FUSES HANDSHIP ON SAME WALL AS NEW RCD UNIT BOX
3. ALL CONDUIT ~~TO~~ RIGID METAL CONDUIT SIZED ACCORDING TO CODE
4. PROVIDE GROUND BUS DEPTH 1/2 CIRCUIT BREAKER BOX
5. PROVIDE AT LEAST 1/4" RAMP SHOULDERS TO LEFT
6. ELEVATION FLOOR TO SLIDE TO CENTER OF VAULT
7. REFER TO L-105-3.8 FOR PAINTING REQUIREMENTS
8. DOOR ~~TO~~ METAL CLAD FIREPROOF CLASS A (1/4" x 60") WITH NON-REMOVABLE PIN HINGES AND WITH LOCK AND KEYS PROVIDED BY THE USER
9. ALL CONTACTORS AND RELAYS ~~TO~~ ENCLOSED IN NEMA 4 ENCLOSURES
10. VAULT ELEVATION CONSTRUCTION MATERIALS ARE TO CONFORM TO THE ABOVE REFERENCED BIDD ITEM 1-100
11. EXTERIOR CONCRETE BEAM WALLS ~~TO~~ BE SEALED WITH TWO COATS OF POLYURETHANE GLASS, THE FINAL COAT ~~TO~~ WHITE.

AS BUILT PLANS

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

Dr. Howard R. Boyne Resident Engineer

Date 6/09/01

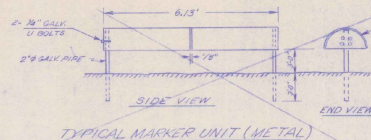
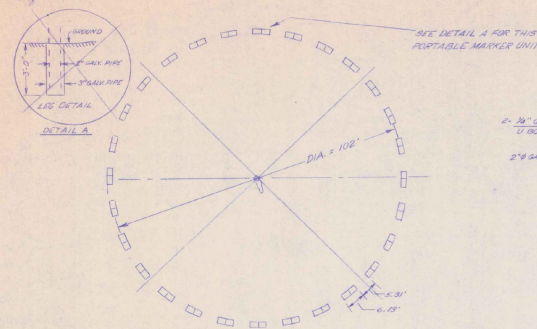
SURVEYED BY _____ DATE _____
DRAWN BY H.G.R. DATE _____
TRACED BY _____ DATE _____

TRACED BY _____ DATE _____

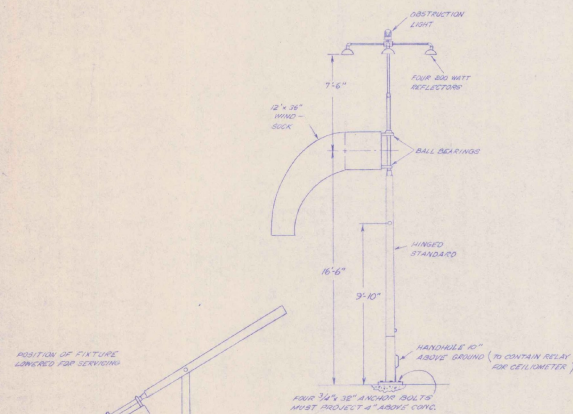
AIRPORT ELECTRICAL VAULT

PROJ. ADAP. NO. 5-50-0016-04

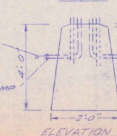
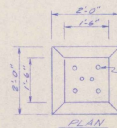
SHEET 4 OF 16



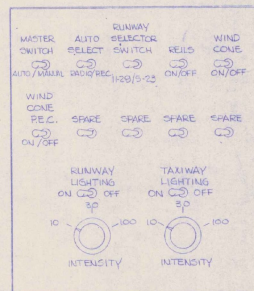
STANDARD 55 GAL. METAL DRUM
CUT IN HALF AND WELDED ENDS TO
END AND PAINTED AS FOLLOWS:
1ST COAT WHITE UNDERPAINT
2ND COAT WHITENING ENAMEL LAQUER
SWISS 3000 "FIRE ORANGE"
3RD COAT "FIRE ORANGE"
4TH COAT "FIRE ORANGE"
5TH COAT "FIRE ORANGE"
6TH COAT "FIRE ORANGE"
7TH COAT "FIRE ORANGE"
8TH COAT "FIRE ORANGE"
9TH COAT "FIRE ORANGE"
10TH COAT "FIRE ORANGE"
11TH COAT "FIRE ORANGE"
12TH COAT "FIRE ORANGE"
THE SURFACES SHALL BE
THOROUGHLY CLEANED OF ALL
RUST, SCALE, DIRT, OIL AND OTHER
FOREIGN SUBSTANCES TO THE
SATISFACTION OF THE ENGINEER.



TWELVE FOOT
ILLUMINATED WIND CONE
WITH HINGED STANDARD
CROUSE-HINDS TYPE WC-36
CAT. NO. 48910 A
OR EQUAL

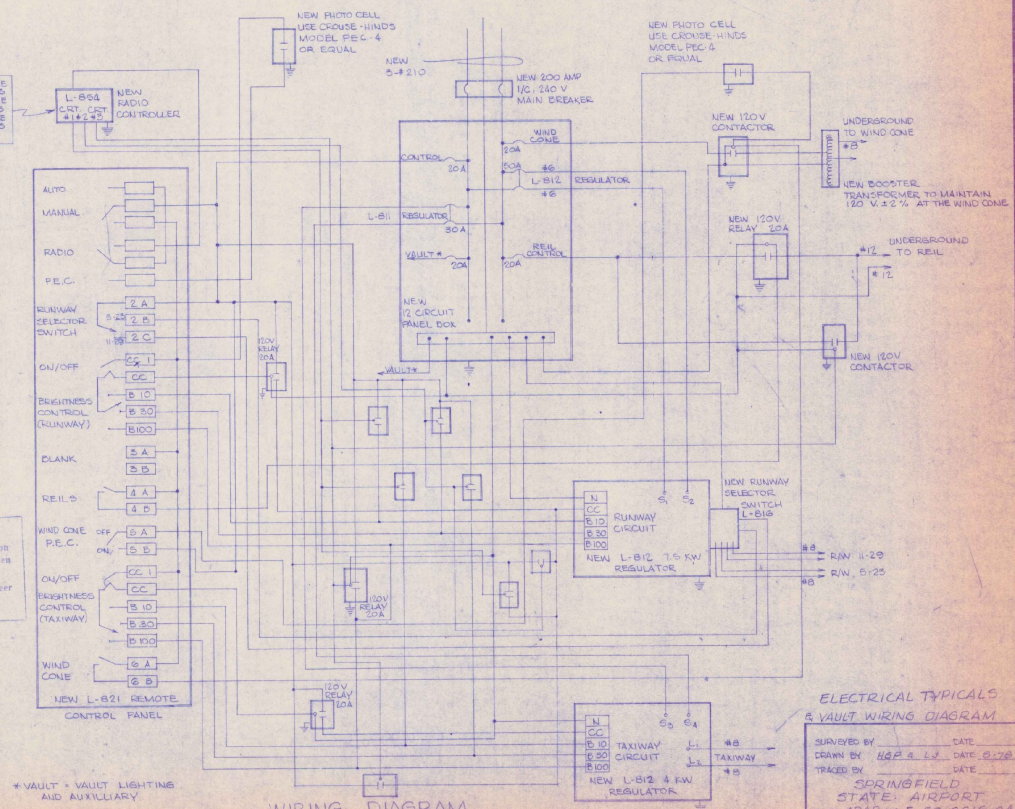


BASE FOR WIND CONE



AS BUILT PLANS
I, the undersigned, certify that all the construction
required by this set of drawings has been
reconstructed as indicated herein.
By Lawrence P. Bowers Resident Engineer
Date 6/13/82

REFER TO MANUFACTURER'S
RECOMMENDATIONS FOR
WIRING AND CONNECTIONS
TO PLACING AND WIRING
CONFIGURATION

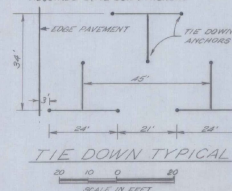


- NOTES:
1. MOUNT NEW PHOTOCELL ON NORTH SIDE OF NEW ELECTRICAL VAULT.
 2. NEW L-812 AND L-812 REGULATORS BY HEVI-DUTY ELECTRIC, MODELS 88280 AND 88610 OR APPROVED EQUAL.
 3. L-821 (REMOTE CONTROL PANEL) TO BE MOUNTED IN EXISTING TERMINAL AT THE DIRECTION OF THE ENGINEER. ALL OTHER ELECTRICAL EQUIPMENT TO BE MOUNTED IN NEW ELECTRICAL VAULT (SEE DIAGRAM BELOW).
 4. ALL WIRING #12 AWG UNLESS NOTED OTHERWISE.
 5. EXISTING 4 KW REGULATOR (IN TERMINAL) TO BE REMOVED AND STORED ON AIRPORT PROPERTY AS DIRECTED BY THE ENGINEER.
 6. ALL WIRING AND EQUIPMENT MUST MEET THE NATIONAL ELECTRIC CODE.
 7. CONTACTOR AMPERAGE TO MEET EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
 8. NEW RADIO CONTROLLER TO ADHERE TO AC 150-5540-49 OF 10 AUGUST 1977.
 9. ALL CONTACTORS AND RELAYS TO BE ENCLOSED IN NEMA-4 ENCLOSURES.
 10. CONTRACTOR (B) SHALL PAINT A REFERENCE MARK ON THE NEW APRON FOR CEILOMETER READING AT THE LOCATION INDICATED BY THE F.S.O.

ELECTRICAL TYPICALS
& VAULT WIRING DIAGRAM

SURVEYED BY _____ DATE _____
DRAWN BY 4828 L.V. DATE 6-78
TRACED BY _____ DATE _____
SPRINGFIELD
STATE - AIRPORT
PROJ. ADAP. NO. 5-50-0016-04
SHEET 5 OF 10

1. EXISTING CONTOURS & DESIGN CONTOURS ARE APPROXIMATELY THE SAME.
2. EXISTING D.I.'S TO BE ADJUSTED TO GRADE.
3. ITEM 601.532 IS DIA. ACCOMP TO INCLUDE TRENCH EXCAV., INSTALLATION & BACKFILL.



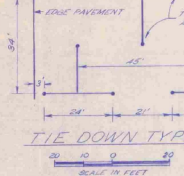
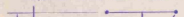
 ITEM 202.14
 - - - - - LIMITS OF CONSTRUCTION

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

By Howard P. Barnes Resident Engineer
Date 6/19/01

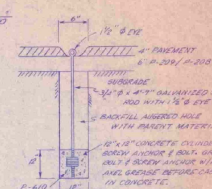
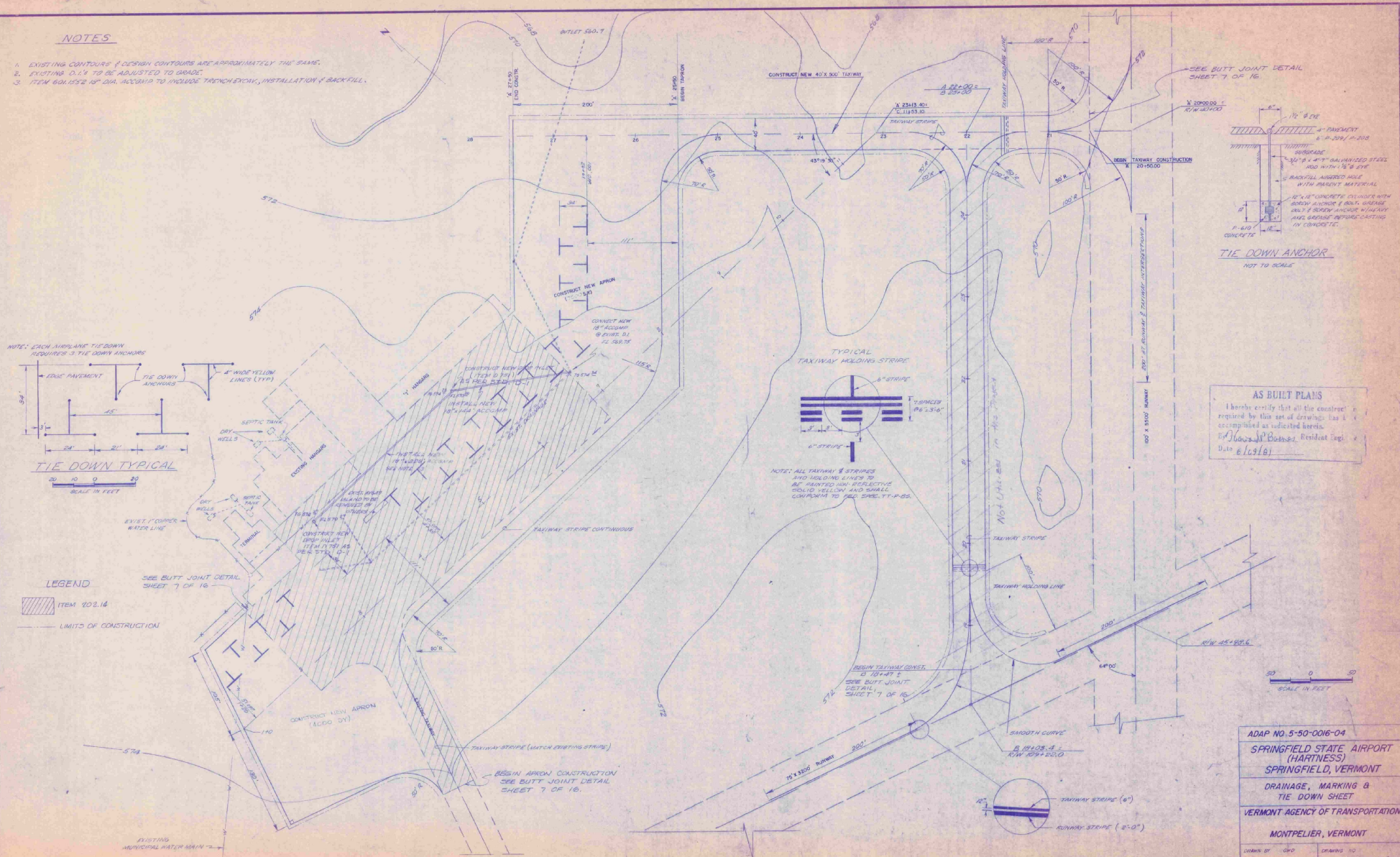
DRAWN BY	GWD	DRAWING NO	6 OF 16
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1. EXISTING CONTOURS & DESIGN CONTOURS ARE APPROXIMATELY THE SAME.
2. EXISTING D.I.'s TO BE ADJUSTED TO GRADE.
3. ITEM 601.152 IS DIA. ACCORD TO INCLUDE TRENCH EXCAV., INSTALLATION & BACKFILL.



ITEM 202.14

LIMITS OF CONSTRUCTION



TIE DOWN ANCHOR
NOT TO SCALE

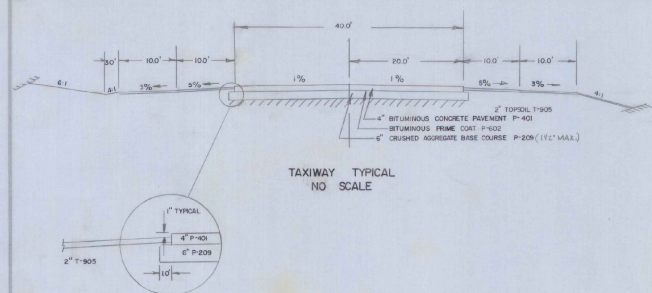
AS BUILT PLANS

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

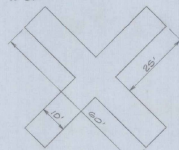
By Howard P. Bomer Resident Engineer

Date 6/19/61

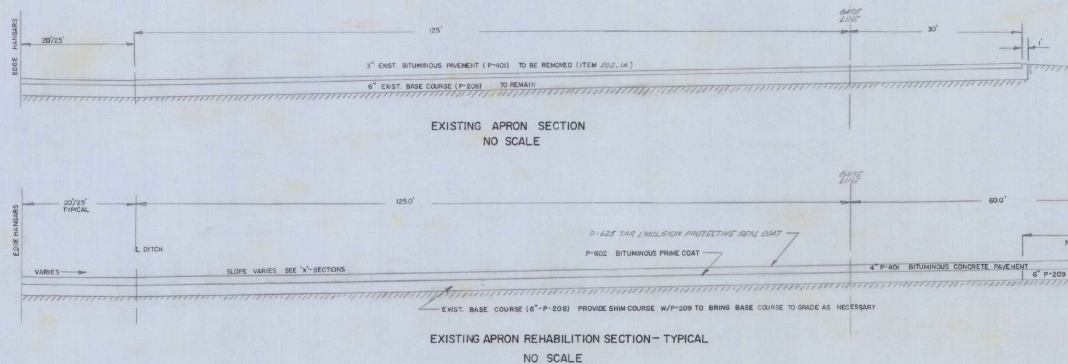
ADAP NO. 5-50-0016-04	
SPRINGFIELD STATE AIRPORT (HARTNESS) SPRINGFIELD, VERMONT	
DRAINAGE, MARKING & TIE DOWN SHEET	
VERMONT AGENCY OF TRANSPORTATION	
MONTPELIER, VERMONT	
DRAWN BY: GHD	DRAWING NO: 6 OF 16



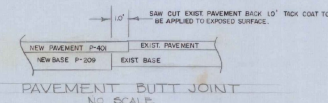
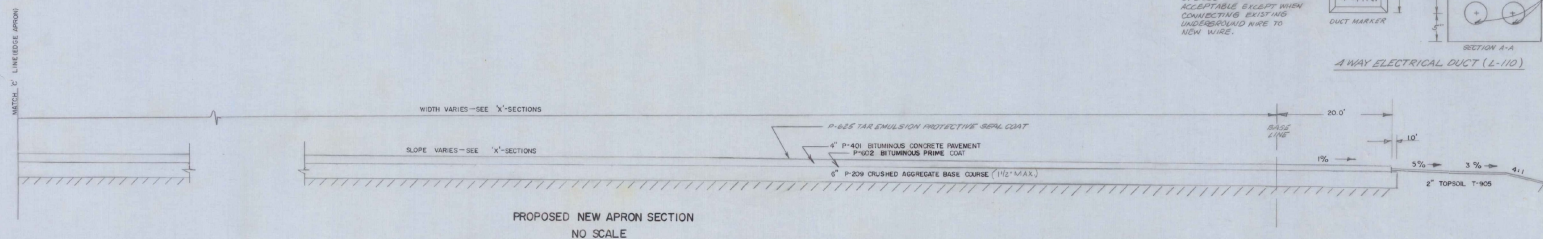
THE CONTRACTOR WILL BE RESPONSIBLE FOR PROPERLY PLACING AND ANCHORING THESE 'X'S. THERE IS NO SEPARATE PAYMENT FOR THE 'X'S.



CLOSED RUNWAY MARKER
TWO REQUIRED (YELLOW)
SCALE: 1"=20'

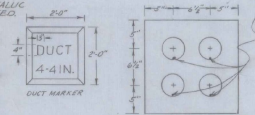
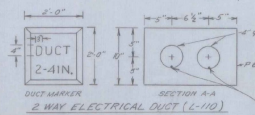
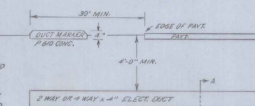


- NOTES
1. COMPACT SUBGRADE AS PER P-152 B T-61
 2. TOPSOIL STRIPPED FROM NEW CONSTRUCTION TO BE STOCKPILED AND REUSED AS NEEDED. REFER TO ITEM P-152-B.2.2. TOPSOILING UNDER P-152 IS NOT A SEPARATE PAY ITEM, BUT SHOULD BE INCLUDED IN THE BID PRICE FOR COMMON EXCAVATION
 3. ITEM P-625 TO BE APPLIED 1/2\"/>
- ITEM 6-27 SEED, LIME FERTILIZER
- THE SEED MIXTURE SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
- | TYPE OF SEEDS | % PLS |
|----------------------|-------|
| CARROTING AND FESCUE | 40 |
| ALFA PERCU | 20 |
| HEMLOCK BLUE | 20 |
| RED TOP | 10 |
| PERENNIAL RYE | 5 |
| WHITE CLOVER | 5 |
| ALSKA CLOVER | 5 |
| GRASS | 5 |
- ITEM P-625 TO BE EMISSION ONLY APPLIED BY DISTRIBUTOR IN TWO APPLICATIONS AS INDICATED IN SECTION 557.12 OF THE SPECIFICATIONS.



NOTES (L-110):

1. COST OF RESTORING SURFACE TO ITS ORIGINAL CONDITION SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE FOR L-110 INSTALLATION OF AIRPORT UNDERGROUND ELECTRICAL DUCTS.
2. COST OF DUCT MARKERS SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE FOR L-110 INSTALLATION OF AIRPORT UNDERGROUND ELECTRICAL DUCTS.
3. NO HARD LETTERING ON DUCT OR CABLE MARKER.
4. CONDUIT TO BE NEW METALLIC RIGID (PLASTIC - PVC) FIBER SPEC. W-C-1094 (PAA L-110 TYPE I).
5. CABLE AND JUNKIE MARKERS AND REQUIRED NEW PAA SPEC. L-110. CABLES MUST NOT BE ACCEPTABLE EXCEPT WHEN CONNECTED TO EXISTING UNDERGROUND WIRE TO NEW WIRE.



SECTION A-A
4 WAY ELECTRICAL DUCT (L-110)

AS BUILT PLANS

I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
By H. J. P. P. P. Resident Engineer
Date 6/10/81

ADAP NO. 5-50-0016-04

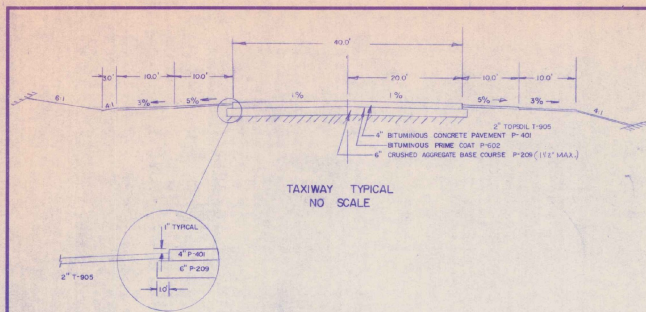
SPRINGFIELD STATE AIRPORT
(HARTNESS)
SPRINGFIELD, VERMONT

TYPICAL SECTIONS

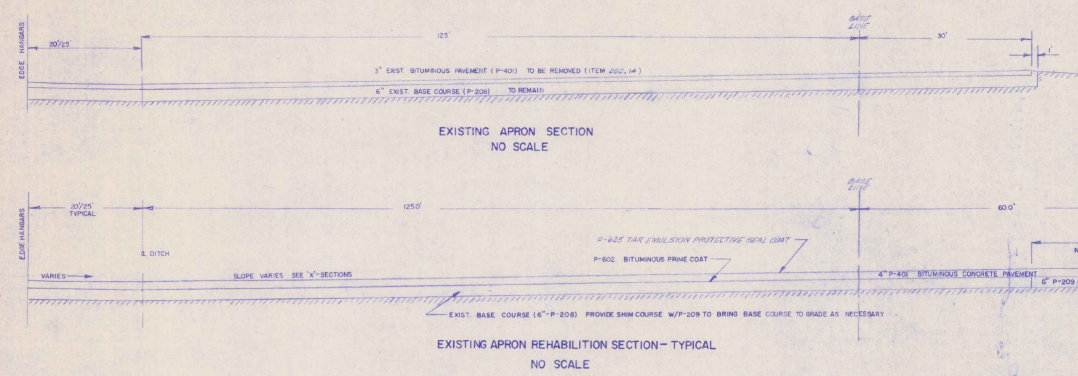
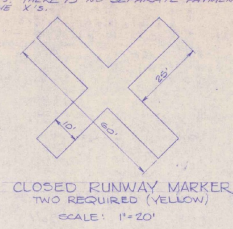
VERMONT AGENCY OF TRANSPORTATION

MONTPELIER, VERMONT

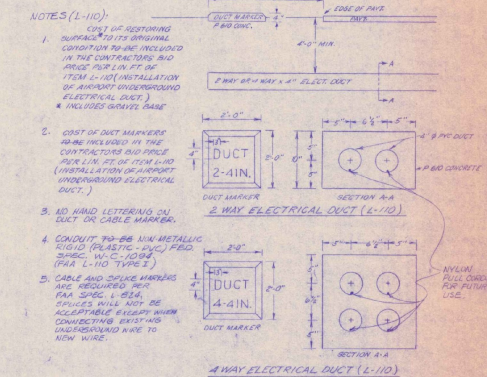
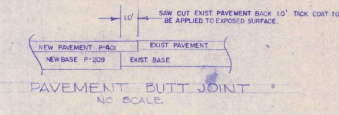
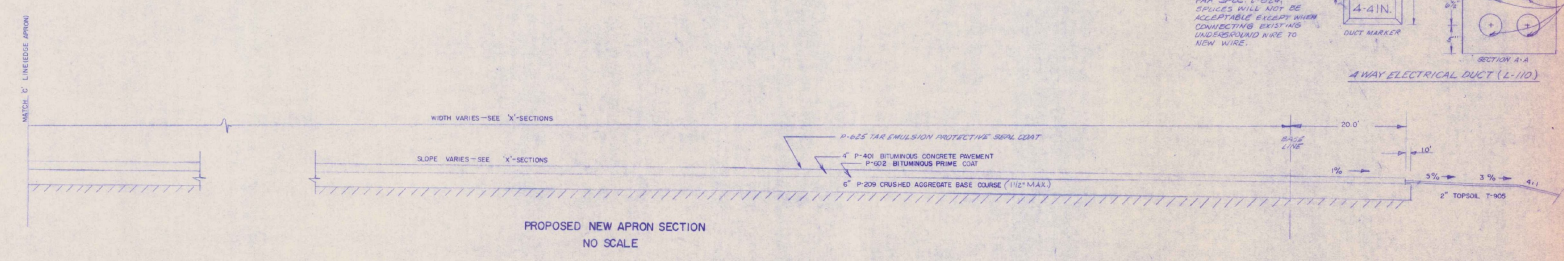
DRAWN BY JDW DRAWING NO. 7 OF 10



THE CONTRACTOR WILL BE RESPONSIBLE FOR PROPERLY PLACING AND ANCHORING THESE X'S. THERE IS NO SEPARATE PAYMENT FOR THE X'S.

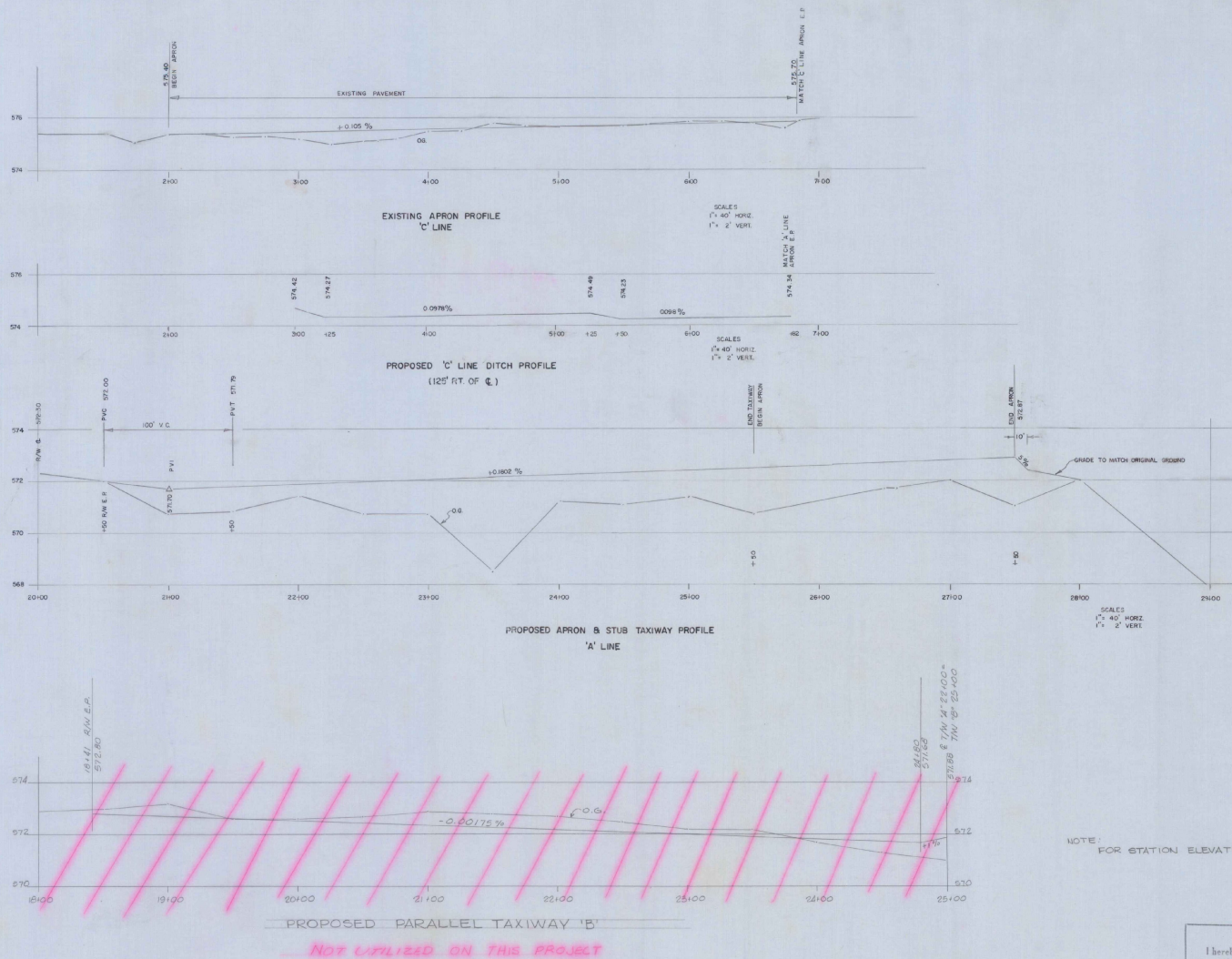


- NOTES
1. CONTACT SUBGRADE AS PER PAA P-152 & T-61
 2. TOPSOIL STRIPPED FROM NEW CONSTRUCTION TO BE STOCKPILED AND REUSED AS NEEDED, REFER TO ITEM P-152 I.E. TOPSOILING UNDER P-152 IS NOT A SEPARATE PAY ITEM, BUT SHOULD BE INCLUDED IN THE BID PRICE FOR COMMON EXCAVATION
 3. ITEM P-402 TO BE APPLIED BY DUNE (MAN.) AFTER COMPLETION OF ITEM P-401
 4. ITEM 6-ET SPEED LINE FERTILIZER
THE SPEED LINE FERTILIZER SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
TYPE OF GRADES
CLOVERING AND FERTILIZER 40
AND FERTILIZER 20
KENTUCKY BLUE 20
RED TOP 10
PERSONALITY 10
WHITE CLOVER 5
ALBINO CLOVER 5
OTHER 5
 5. ITEM P-152 TO BE EMULSION ONLY APPLIED BY DISTRIBUTION IN TWO APPLICATIONS AS INDICATED IN SECTION 1251/2 OF THE SPECIFICATIONS.



AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
By *Howard P. Poirer*, Resident Engineer
Date *6/19/81*

ADAP NO. 5-50-0016-04
SPRINGFIELD STATE AIRPORT
(HARTNESS)
SPRINGFIELD, VERMONT
TYPICAL SECTIONS
VERMONT AGENCY OF TRANSPORTATION
MONTPELIER, VERMONT
DRAWN BY *END* DRAWING NO. *7 OF 16*
D-8 OCT 14 1981



NOTE: FOR STATION ELEVATIONS SEE SHEET 11 OF 16.

AS BUILT PLANS

I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
By Kenneth P. Bannister Resident Engineer
Date 6/29/81

ADAP NO. 5-50-0016-04

SPRINGFIELD STATE AIRPORT
(HARTNESS)
SPRINGFIELD, VERMONT

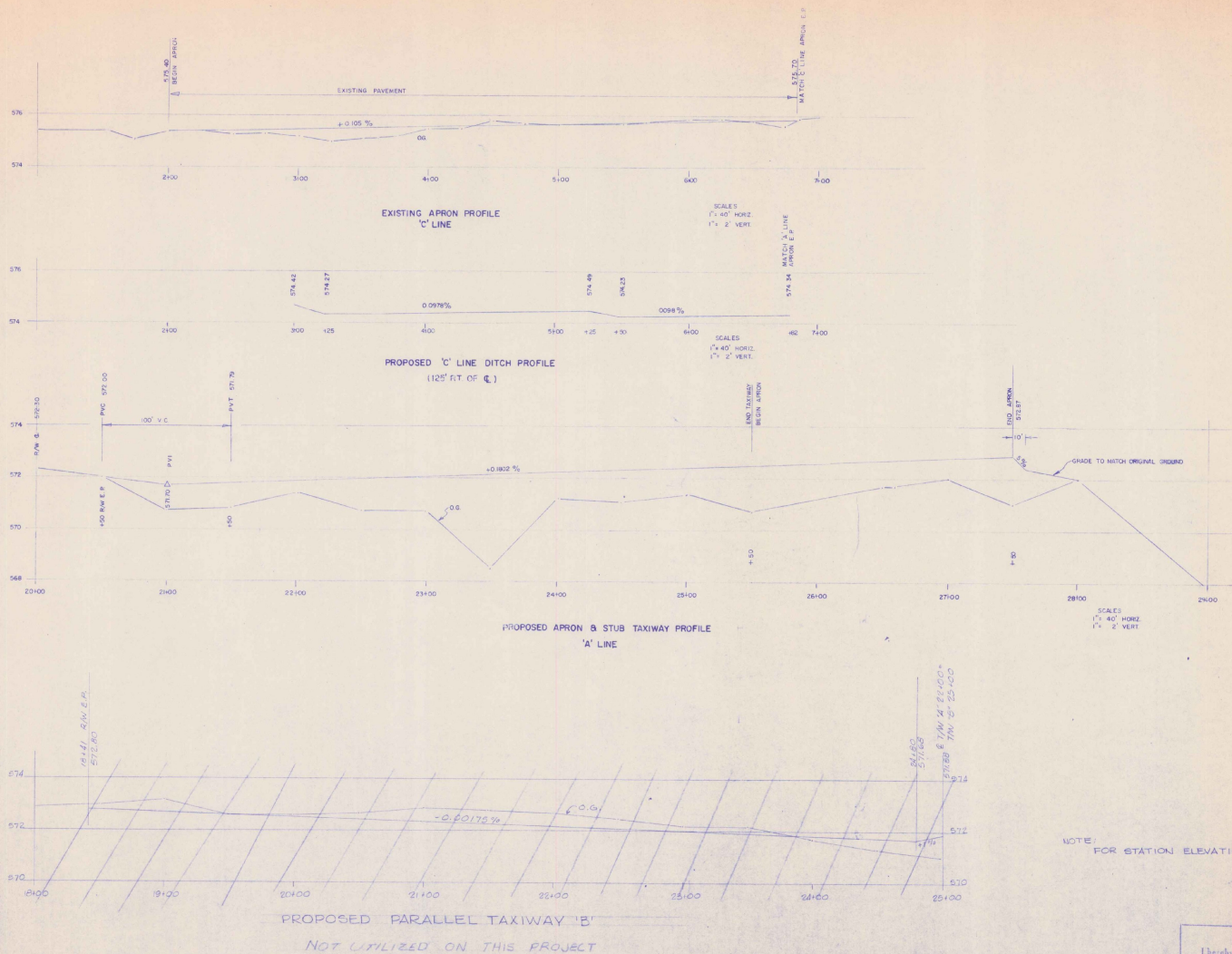
APRON & TAXIWAY PROFILES

VERMONT AGENCY OF TRANSPORTATION

MONTPELIER, VERMONT

Drawn By: SWD

DRAWING NO. B OF 16



AS BUILT PLANS

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

By Edward P. Bannister, President, 1/15/10 or
Date 6/15/10

ADAP NO. 5-50-0016-04

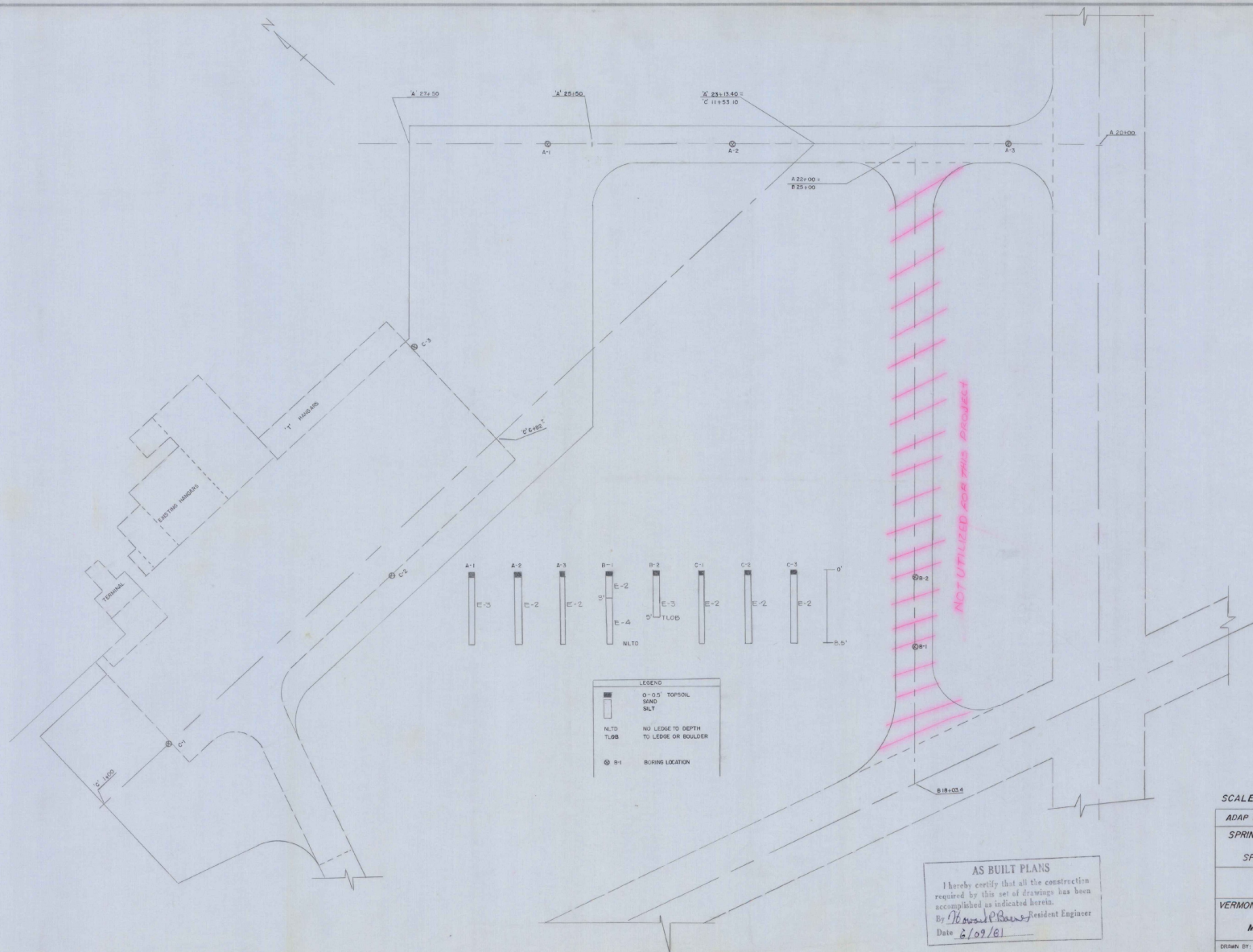
SPRINGFIELD STATE AIRPORT
(HARTNESS)
SPRINGFIELD, VERMONT

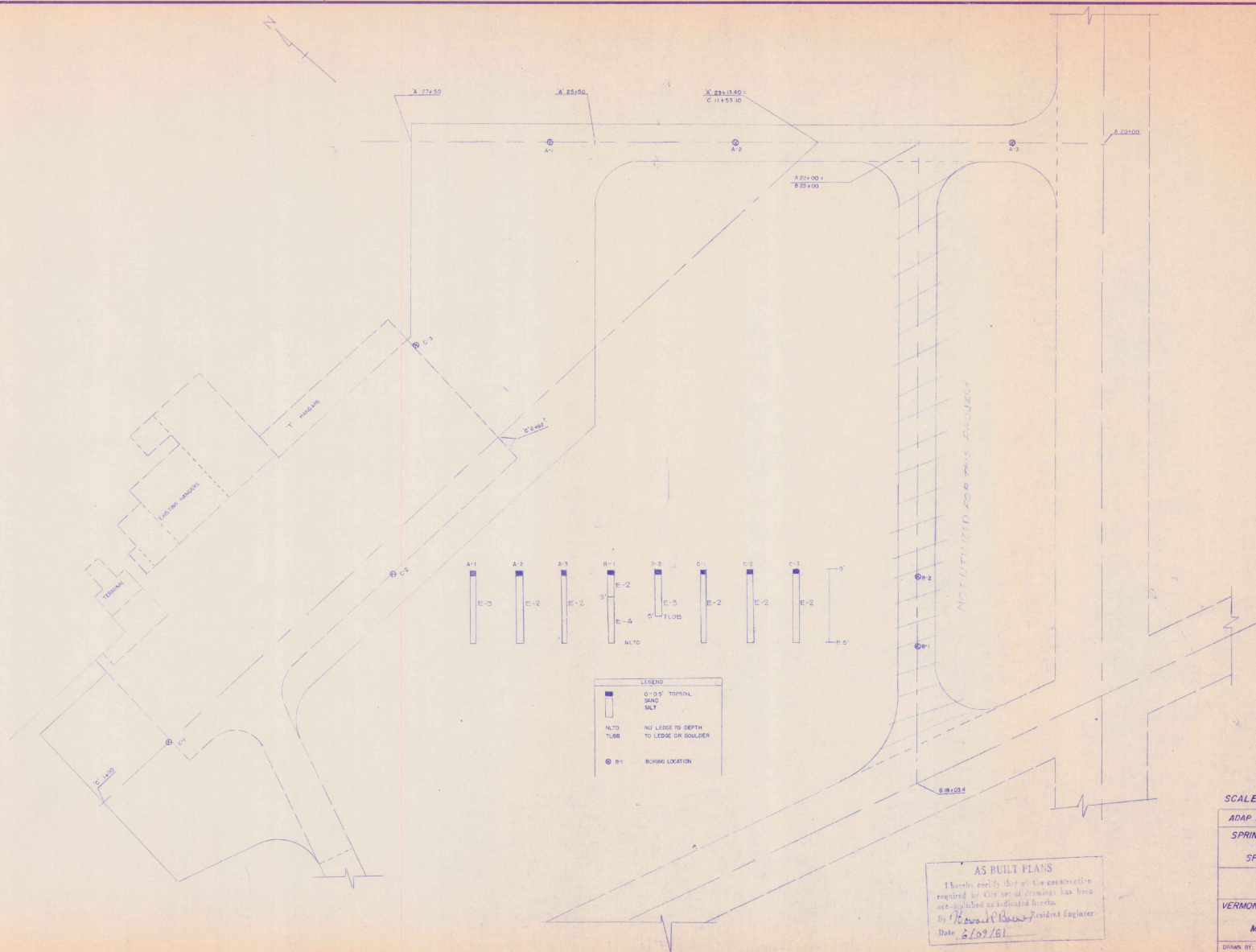
APRON & TAXIWAY PROFILES

VERMONT AGENCY OF TRANSPORTATION

MONTPELIER, VERMONT

DRAWN BY: END DRAWING NO. B OF 16





STATE OF VERMONT DEPARTMENT OF HIGHWAYS

PROJECT NO. _____

SUMMARY SHEET NO. _____ OF _____ 19 _____

APPROXIMATE SUMMARY OF QUANTITIES

APPROXIMATE SUMMARY OF QUANTITIES						
R. O. W.	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.
					CONTRACT "A"	
			10,000	SY	Excavation & Removal of Airport Pavt.	803.14
			1,000	CY	Granular Fillwork	803.32
			373	LF	18" AIRAMP (O.P.E.)	601.082
			3	EA	PRCP D.I. w/ Cast Iron Crate	608.35
			5	EA	Variable Elevation of RI, CR, or MH	604.60
			1	LS	Mobilization	635.10
			80	KCS	Seed	651.03
			800	LR5	PE Filter	651.08
			2	TW	Agricultural Curbstone	651.25
			2	TW	Hay Mulch	651.25
			8000	EY	Common Excavation	P 853.41
			50	CY	Solid Rock Excavation	P 853.43
			2520	CY	Crushed Aggregate Base Course	P 853.55
			6000	Gal	Bituminous Prime Coat	P 853.62
			1200	Gal	Bituminous Tack Coat	P 853.63
			5520	TW	Bituminous Surface Course	P 853.64
			1	LS	Turnway Paint Job	92.20
			8525	Gal	Tar Emulsion Protective Seal Coat	P 853.65
			28	EA	Tiedown Anchor	
			500	CY	Topsoiling (47 Site)	T 805.05
			92	LF	Airport U.S. Elec. Duct (Runway)	L 110
			49	LF	Airport U.S. Elec. Duct (Runway)	L 110
					CONTRACT "B"	
			2	EA	PRCP MH w/ Cast Iron Cover	608.31
			1	LS	Mobilization	635.10
			1	EA	Lighted 12" Wind Cone Complete in Place (incl. Base & Elec.)	L 107
			9500	LF	Cable Trench	L 108
			91,000	LF	#14 L-824 Type C, 5KV Installed in Trench, w/ Duct	L 108
			4700	LF	#14 L-824 Type C, 5KV Installed in Trench	L 108
			10,400	LF	#14 Bare Conduits w/ Wire Installed in Trench, w/ Duct, including Around Road and Connector	L 108
			1	LS	Airport Transformer Vault & Equipment Complete in Place	L 108
			30	EA	Medium Intensity Runway Lights (Clear Lens) Slope Mounted	L 125
			2	EA	Medium Intensity Runway Lights (Clear Lens) Pole Mounted	L 125
			33	EA	Medium Intensity Runway Lights (Blue Filter) Pole Mounted	L 125
			2	EA	Medium Intensity Runway Lights (Blue Filter) Pole Mounted	L 125
			12	EA	Medium Intensity Threshold Lights (Red Amber Filter) Slope Mounted	L 125
			680	LF	Airport U.S. Elec. Duct (Runway)	L 110
			120	LF	25 Conduit for #14 L-824, TYPE A, 600V.	L 110

DETAILED SUMMARY OF QUANTITIES

[illegible]

DETAILED SUMMARY OF QUANTITIES

[illegible]

TYPE OF CONSTRUCTION

[illegible]

SPRINGFIELD
STATE AIRPORT

ADAP
No. 5-50-0016-04 Filed
Sheet 10 of 16 Sheets

EARTHWORK

V. C.	STATION	GRADES		CORR. V. C.	DIST.	TOTAL EXCAVATION EARTH AND ROCK		EMBANKMENT		BASE	
		ON TANGENT	ON V. CURVES			AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
	100+00	571.70			0						
	100+10	571.70			10						
	100+20	571.70			20						
	100+30	571.70			30						
	100+40	571.70			40						
	100+50	571.70			50						
	100+60	571.70			60						
	100+70	571.70			70						
	100+80	571.70			80						
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	117+10	571.70			10						

EARTHWORK

V.C.	% GRADE	STATION	GRADES			CORR. V.C.	DIST.	TOTAL EXCAVATION EARTH AND ROCK		EMBANKMENT		BASE	
			ON TANGENT	ON V. CURVES				AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
100% V.C.	-0.600%	Line "A"											
		20+00	572.50				0						
		+50	572.20	572.00	0	50	116						
		21+00	571.70	571.75	+0.05		10	116					
		+50	571.73	571.79	0		10	19		5			
		22+00	571.80				18	26		0	0		
		+50	571.97				2	19		15		12	
		23+00	572.06				0	2		52	60		
		+50	572.15				0	0		212	244		
		24+00	572.24				23	23		22	217		
+0.1802%	+50	572.33				39	59		26	44			
	25+00	572.43				7	43		4	28			
	+50	572.52	572.52	0	50	6	50+T	420	148	50+T	756		
	26+00	572.60				52	82		156				
	+50	572.69				80	122		180	217			
	27+00	572.78				64	115		162	196			
	+50	572.87			50	44		50	150				
	+50	572.87			10	2		112	104				
	+50	572.87			40	0	50+T	550	0	50+T	1078		
	28+00	572.90											
-0.0073%	Line "B"												
	19+00	572.80				114	278						
	+50	572.72				186	323						
	19+00	572.70				174	318						
	+50	572.61				170	302						
	20+00	572.53				150	284						
	+50	572.44				140	267						
	21+00	572.35				124	235						
	+50	572.26				102	180						
	22+00	572.18				74	138						
-0.0073%	+50	572.09				158	280						
	23+00	572.00				154	273						
	+50	571.91				146	255						
	24+00	571.82				103	185		0	2			
	+50	571.72				36	85		2	7			
	25+00	571.60				16	45		6				
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CARRIED FORWARD													
COLUMN FOOTINGS													

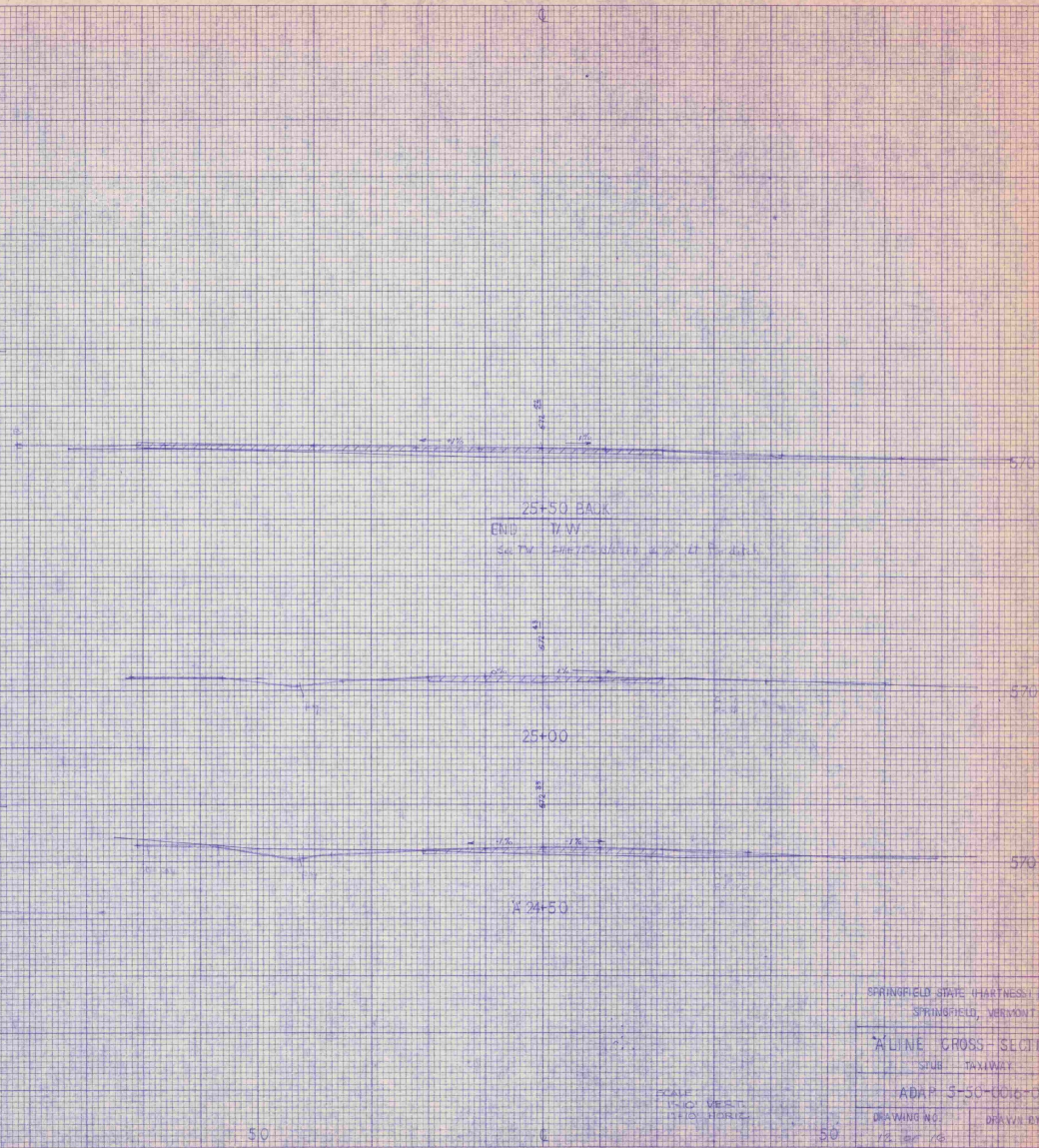
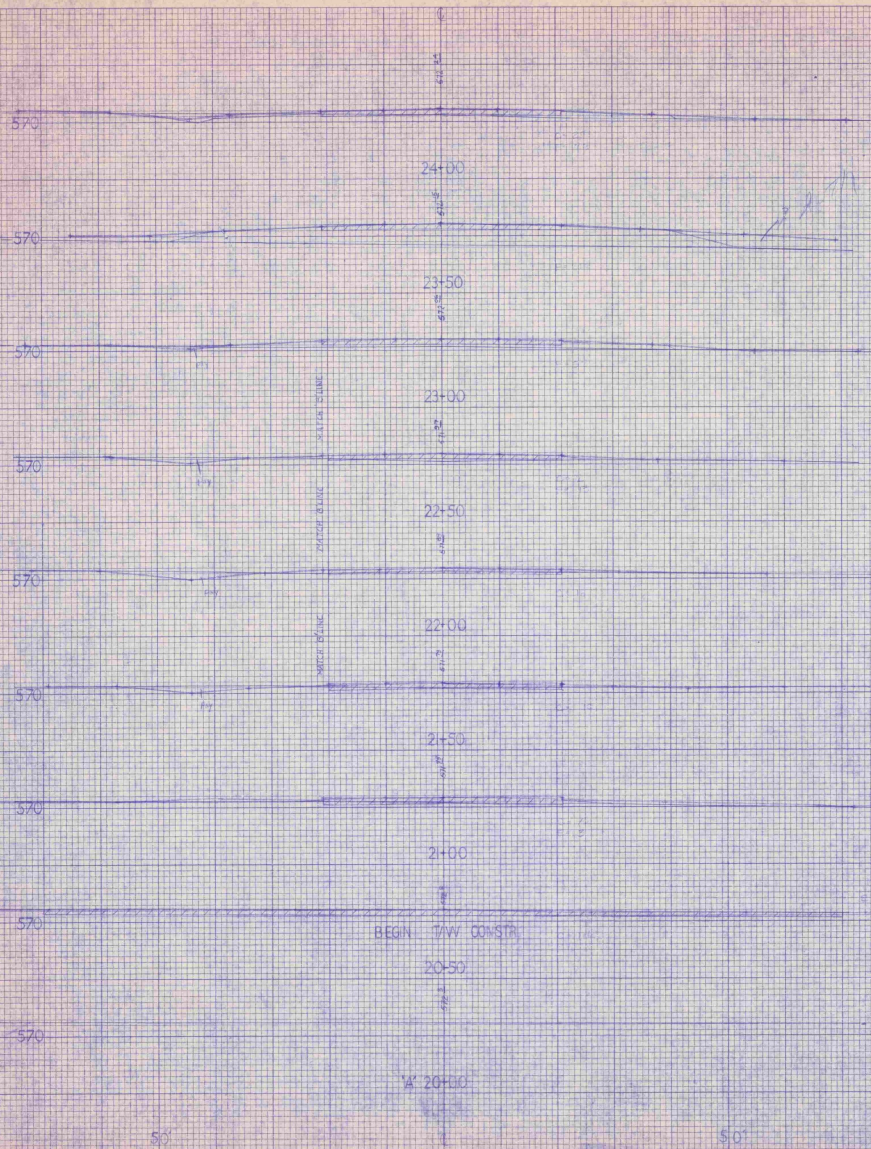
STATE OF VERMONT DEPARTMENT OF HIGHWAYS

PROJECT NO. _____

SUMMARY SHEET NO. _____ OF _____ 19 _____

APPROXIMATE SUMMARY OF QUANTITIES						
R. O. W.	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.
					CONTRACT "A"	
			10,000	CV	Excavation & Removal of Airport Pavt.	202-1
			1,000	CV	Graveling Pavement	202-2
			375	LF	18" ACBMP (2.084)	202-3
			3	EA	12" x 12" x 1/2" w/flat Iron Grate	202-4
			5	EA	12" x 12" x 1/2" w/flat Iron Grate	202-5
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-6
			50	LF	Gravel	202-7
			500	LF	Gravel	202-8
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-9
			5	EA	12" x 12" x 1/2" w/flat Iron Grate	202-10
			8,000	CV	Common Excavation	202-11
			50	CV	2" x 12" x 1/2" x 1/2" Excavation	202-12
			2,500	CV	Crushed Aggregate Base Course	202-13
			1,000	CV	Crushed Aggregate Base Course	202-14
			1,000	CV	Crushed Aggregate Base Course	202-15
			2,500	CV	Crushed Aggregate Base Course	202-16
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-17
			2,500	CV	Crushed Aggregate Base Course	202-18
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-19
			2,500	CV	Crushed Aggregate Base Course	202-20
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-21
			2,500	CV	Crushed Aggregate Base Course	202-22
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-23
			2,500	CV	Crushed Aggregate Base Course	202-24
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-25
			2,500	CV	Crushed Aggregate Base Course	202-26
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-27
			2,500	CV	Crushed Aggregate Base Course	202-28
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-29
			2,500	CV	Crushed Aggregate Base Course	202-30
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-31
			2,500	CV	Crushed Aggregate Base Course	202-32
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-33
			2,500	CV	Crushed Aggregate Base Course	202-34
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-35
			2,500	CV	Crushed Aggregate Base Course	202-36
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-37
			2,500	CV	Crushed Aggregate Base Course	202-38
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-39
			2,500	CV	Crushed Aggregate Base Course	202-40
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-41
			2,500	CV	Crushed Aggregate Base Course	202-42
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-43
			2,500	CV	Crushed Aggregate Base Course	202-44
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-45
			2,500	CV	Crushed Aggregate Base Course	202-46
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-47
			2,500	CV	Crushed Aggregate Base Course	202-48
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-49
			2,500	CV	Crushed Aggregate Base Course	202-50
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-51
			2,500	CV	Crushed Aggregate Base Course	202-52
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-53
			2,500	CV	Crushed Aggregate Base Course	202-54
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-55
			2,500	CV	Crushed Aggregate Base Course	202-56
			1	EA	12" x 12" x 1/2" w/flat Iron Grate	202-57
			2,500	CV	Crushed Aggregate Base Course	202-5

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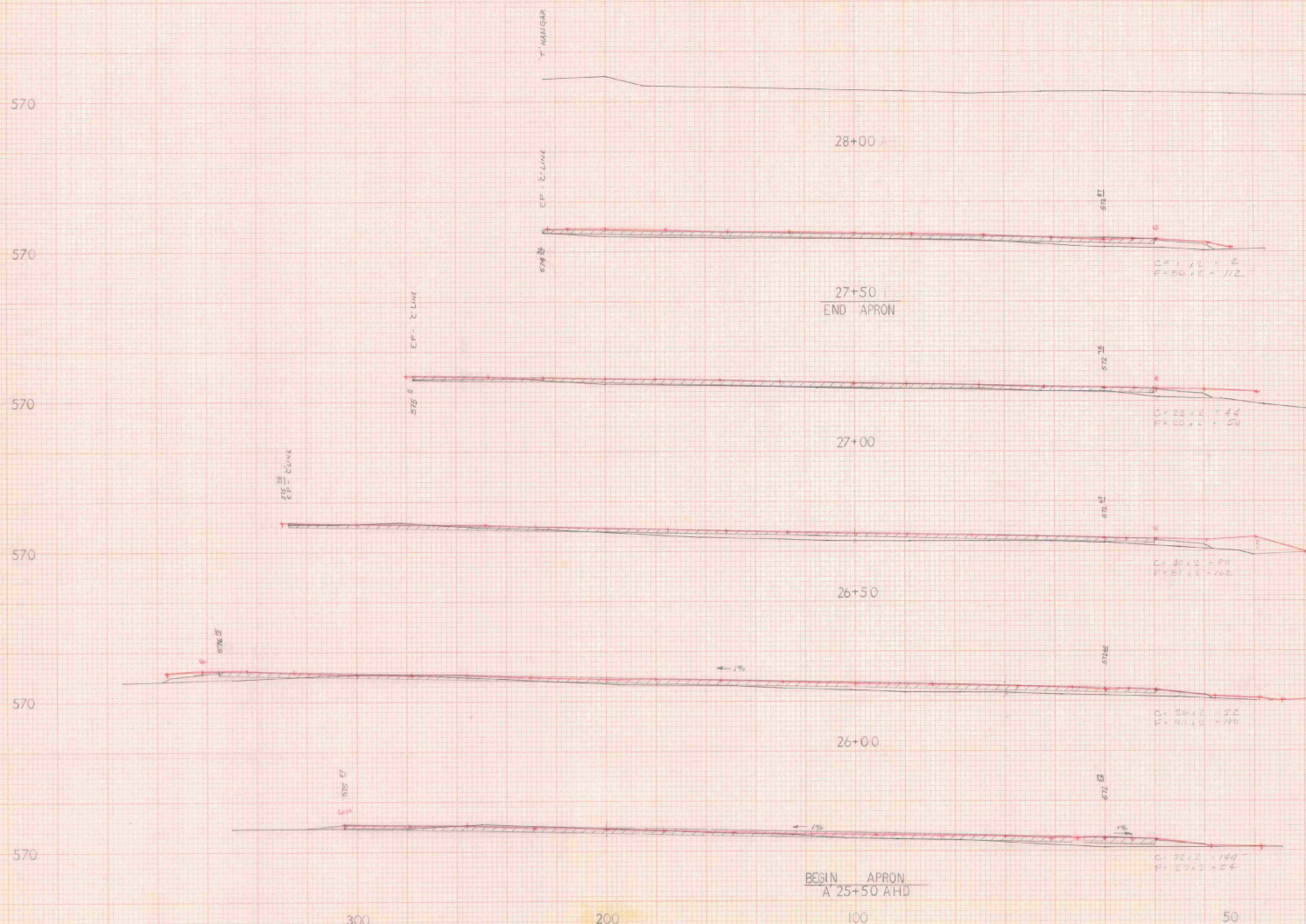


SPRINGFIELD STATE (HARTNESS) AIRPORT
SPRINGFIELD, VERMONT

WALINE CROSS-SECTIONS
SUB TAXWAY

ADAP. 3-50-00-0-04

DRAWING NO. 125.000.125
DRAWN BY

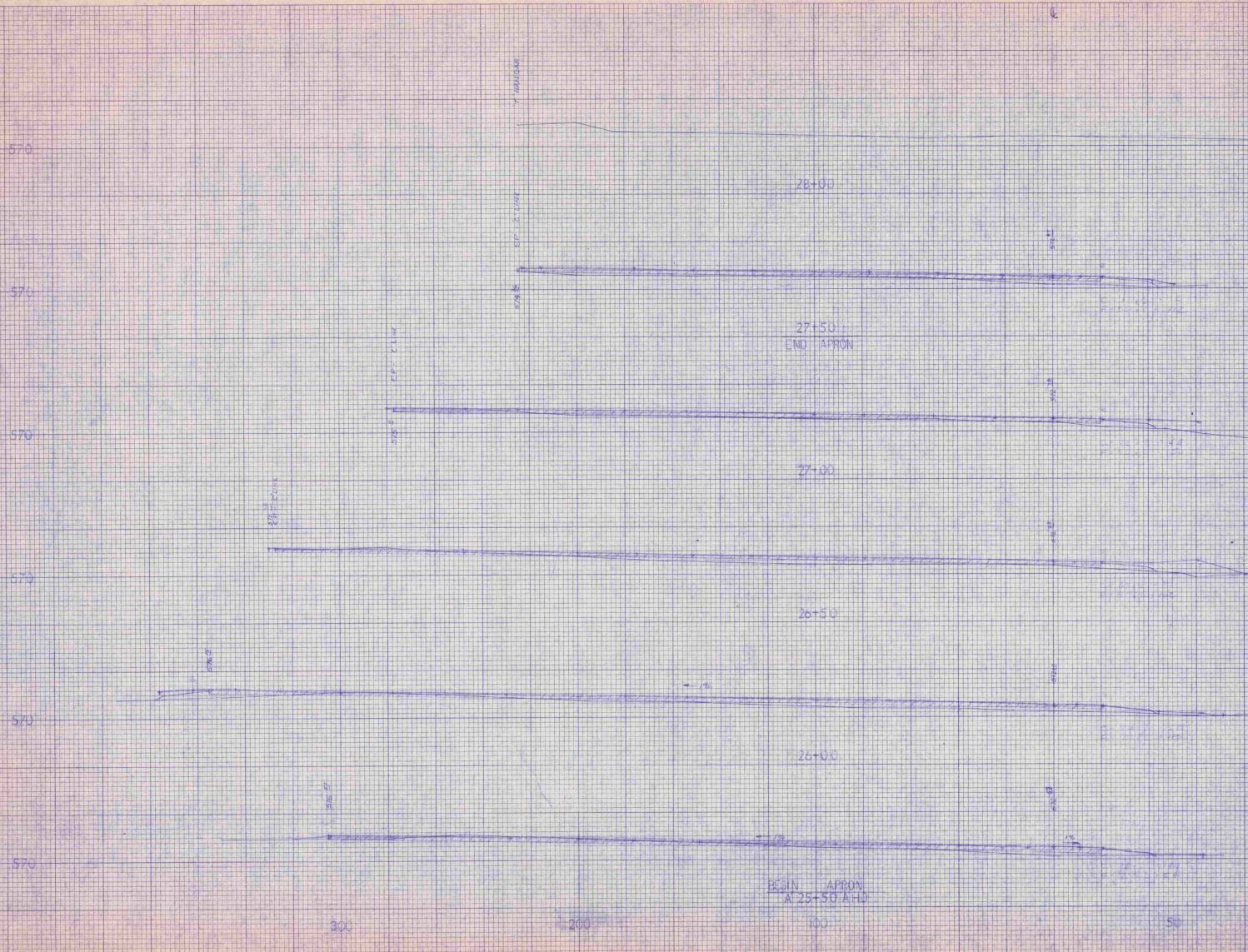


SPRINGFIELD STATE (HARTNESS) AIRPORT SPRINGFIELD VERMONT	
"A" LINE CROSS SECTIONS APRON	
ADAP-5-50-0016-C4	
DRAWING NO.	DRAWN BY
16 OF 16	

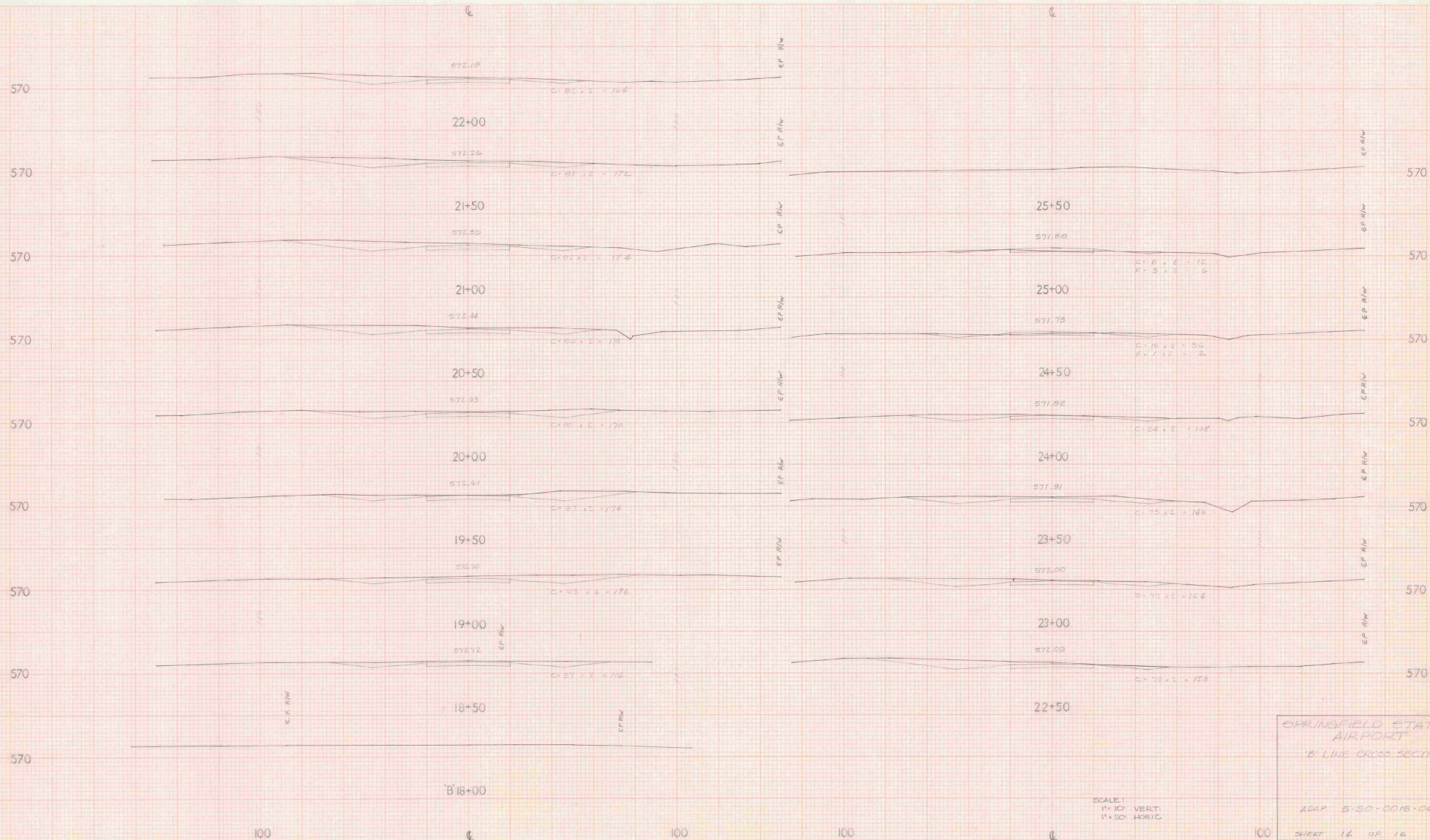
ENGINEER: DREXLER CO.
 201 N. 10th St. S.W.
 MINNEAPOLIS, MINN. 55401

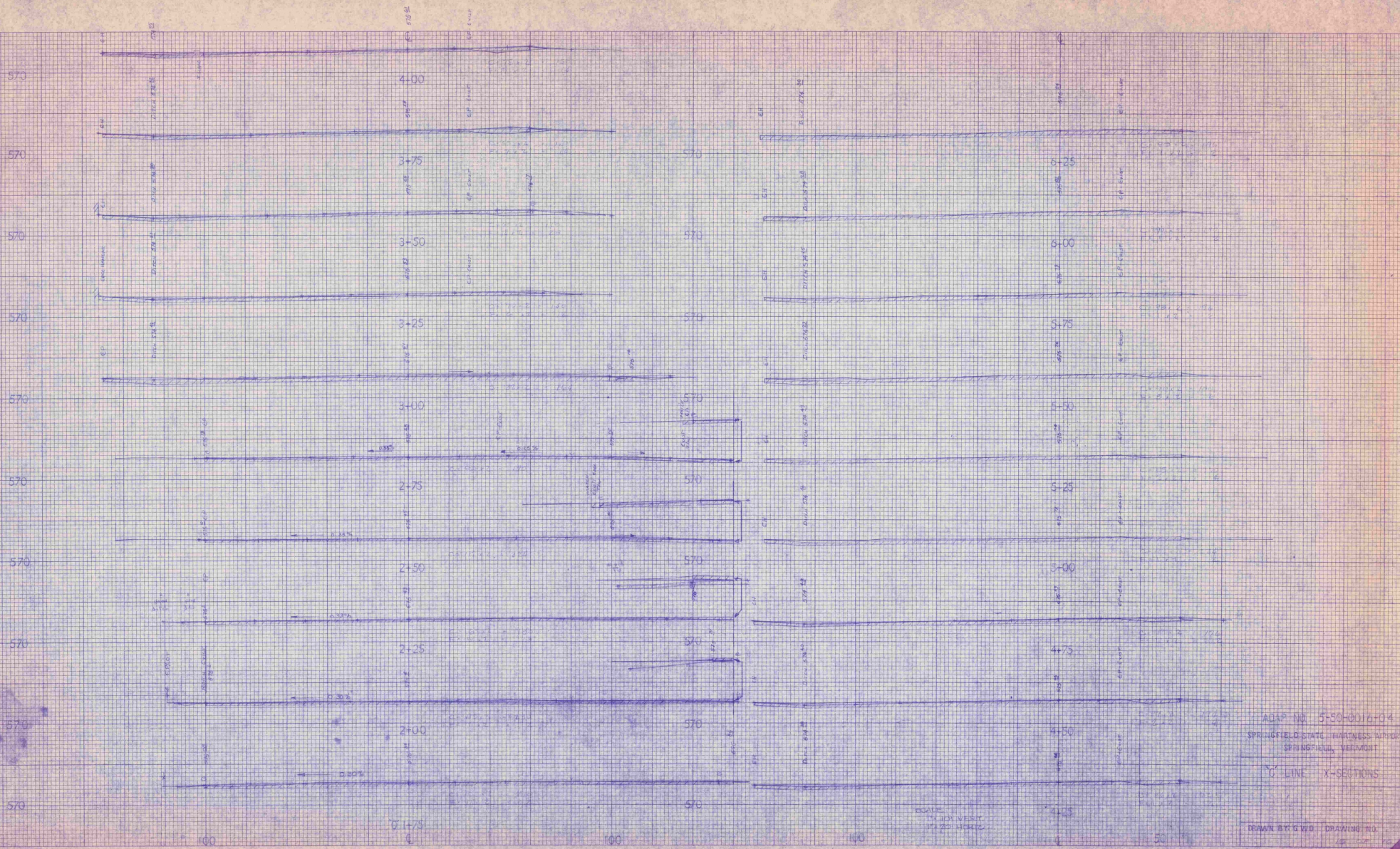
APPROVED: H. R. P. V.

ENGINEER: DREXLER CO.
 201 N. 10th St. S.W.
 MINNEAPOLIS, MINN. 55401



SPRINGFIELD STATE HARTLESS AVENUE SPRINGFIELD, MINN.	
CROSS SECTIONS APRIL	
ADP 5-50-01-1-4	
DRAWING NO. 12 OF 20	DRAWN BY H. R. P. V.





ADAP. NO. 5-50-0016-04

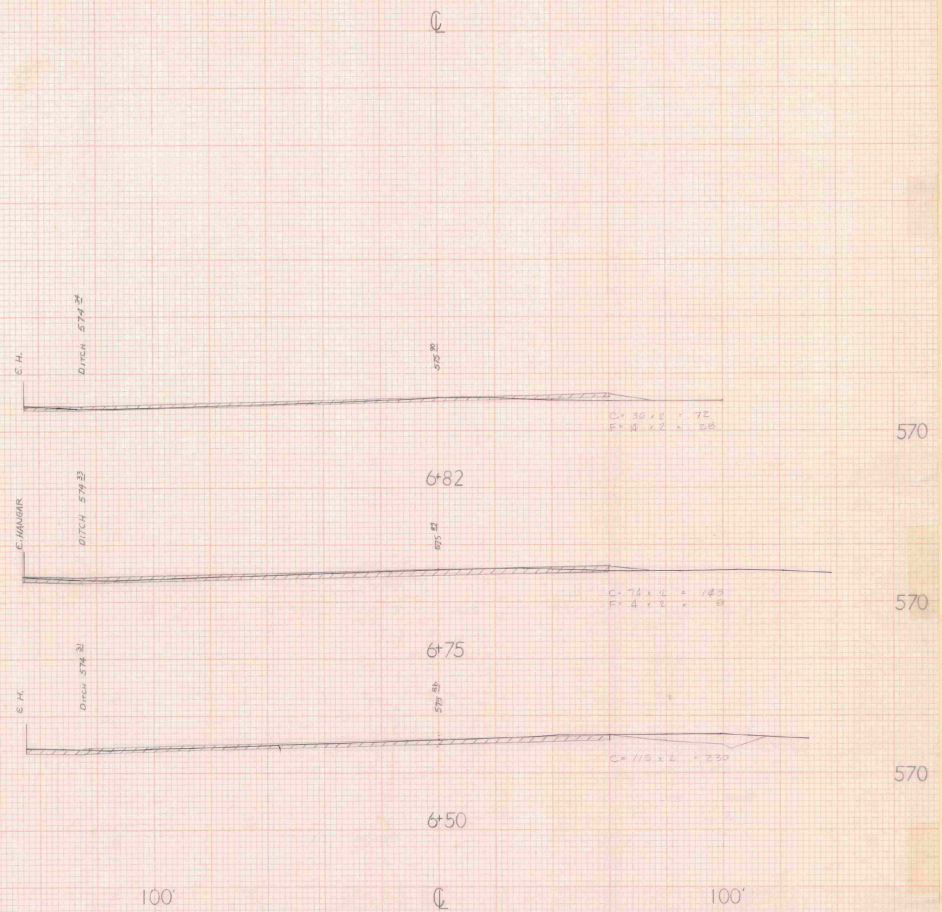
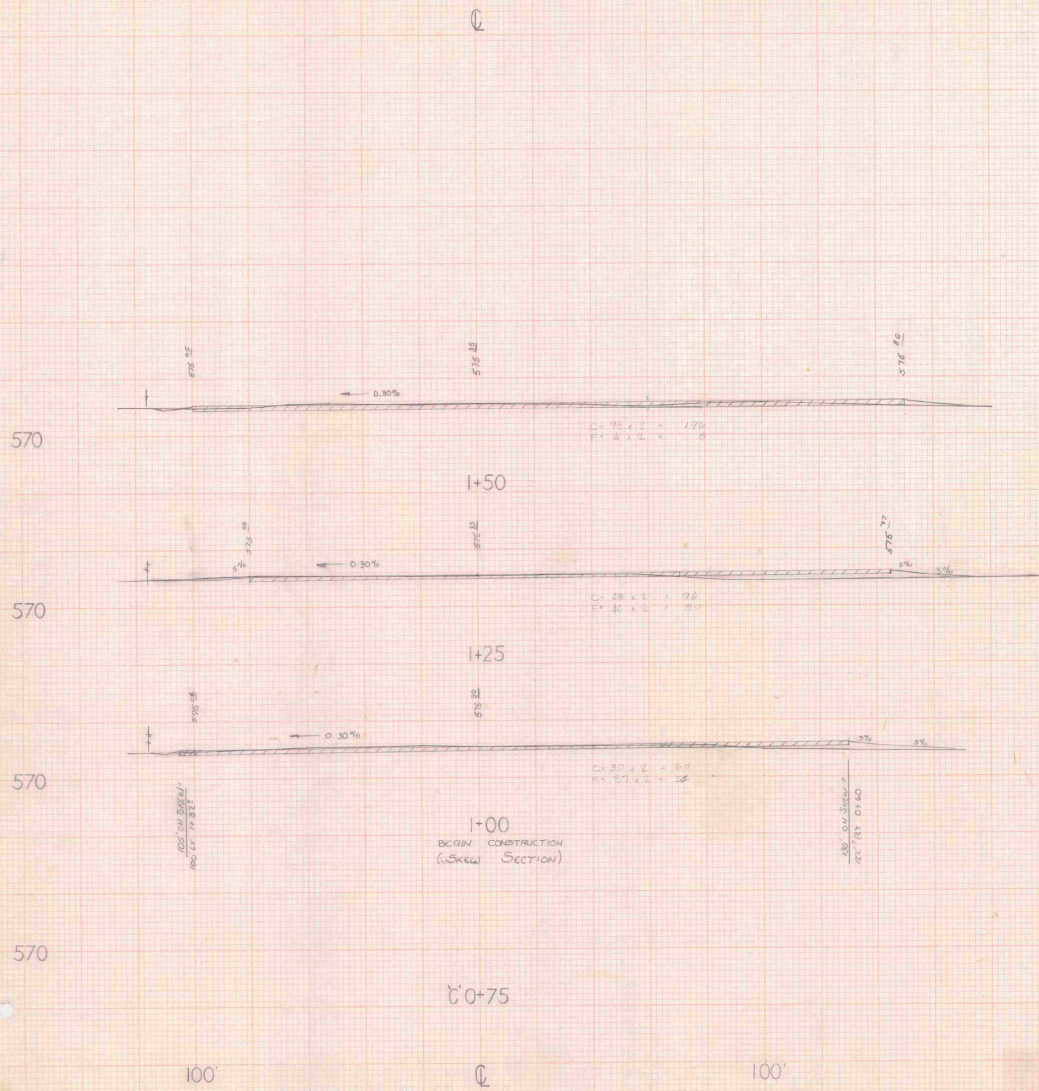
SPRINGFIELD STATE HARTNESS AIRPORT

SPRINGFIELD, VERMONT

X LINE X-SECTIONS

DRAWN BY: G.W.D. DRAWING NO. 100

100



SCALE:
1" = 10' VERT.
1" = 20' HORIZ.

SPRINGFIELD STATE AIRPORT
SPRINGFIELD, VERMONT
C LINE CROSS SECTIONS

DRAWING NO.
16 OF 16

DRAWN BY: GWD

570

570

570

570

570

570

570

Q

Q

+50

+25

+00

SECTION
CONSTRUCTION
(GREEN SECTION)

+00+75

+10.80

100' 0" 100'

Q

+82

+75

+50

Q

SPRINGFIELD STATE AIRPORT
SPRINGFIELD, VERMONT
GRADE CROSS SECTIONS

DRAWING NO. 74-100-70
DATE: 09-10-70

SPRINGFIELD STATE
TERMINAL AREA IMPROV.
★ 5-50-0016-04
1981

**VERMONT AGENCY OF TRANSPORTATION
PLANNING DIVISION**