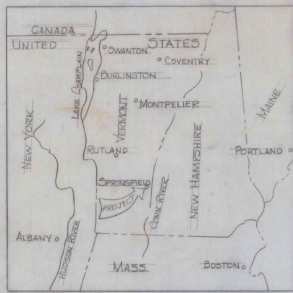
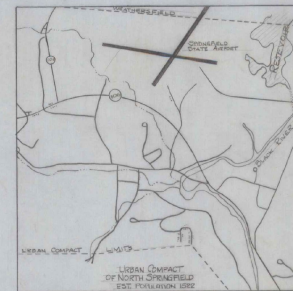


SPRINGFIELD STATE AIRPORT SPRINGFIELD, VERMONT

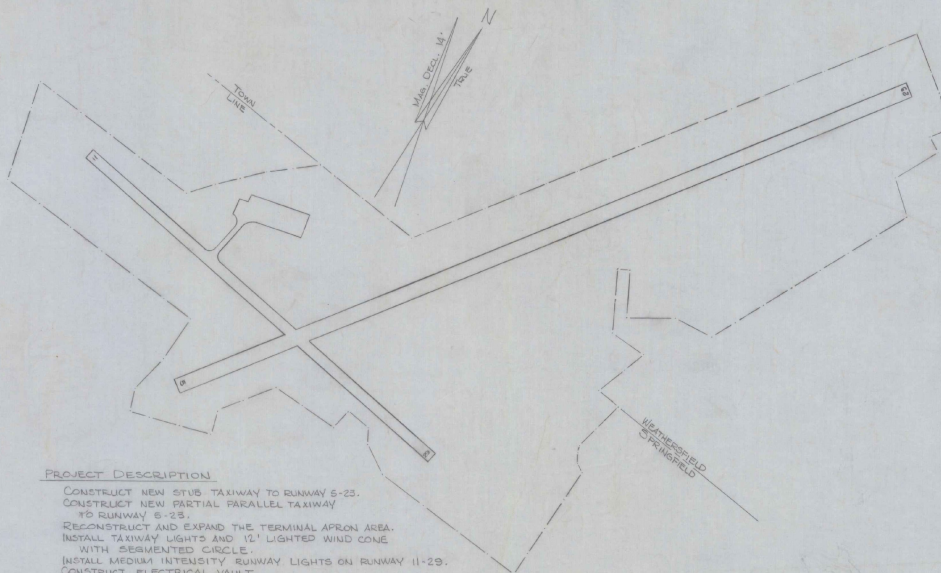
TERMINAL AREA IMPROVEMENTS ADAP NO. 5-50-0016-04



VICINITY MAP



LOCATION MAP



PROJECT DESCRIPTION

CONSTRUCT NEW STUB TAXIWAY TO RUNWAY 5-25.
CONSTRUCT NEW PARTIAL PARALLEL TAXIWAY TO RUNWAY 5-25.
RECONSTRUCT AND EXPAND THE TERMINAL APRON AREA.
INSTALL TAXIWAY LIGHTS AND 12' LIGHTED WIND CONE WITH SEMI-CENTRAL CIRCLE.
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 LOGS
10. QUANTITY SHEET
11. EARTHWORK SUMMARY
- 12-16. CROSS SECTIONS

REVISIONS	
DESCRIPTION	DATE

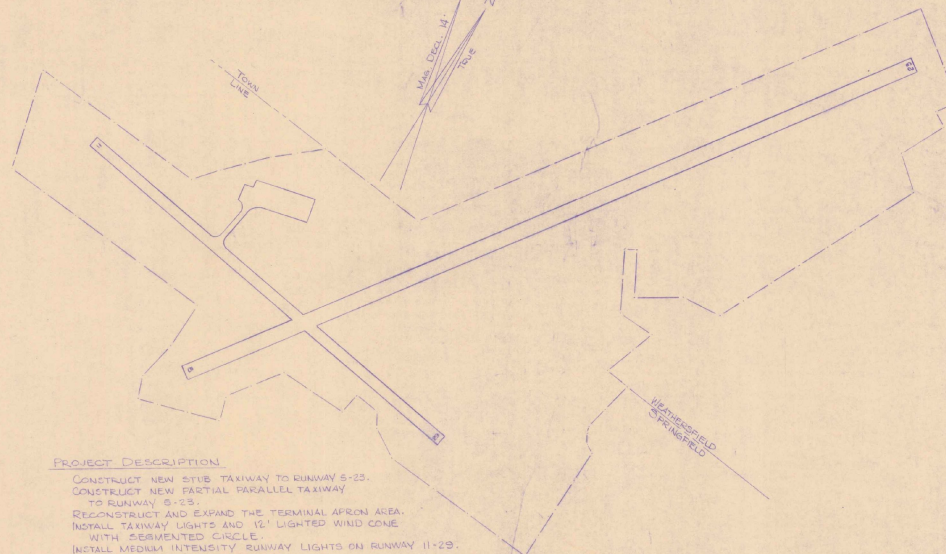
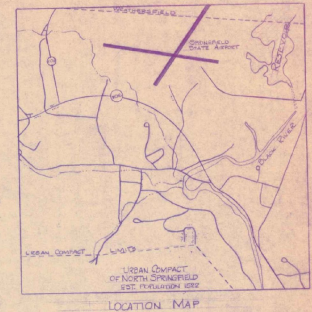
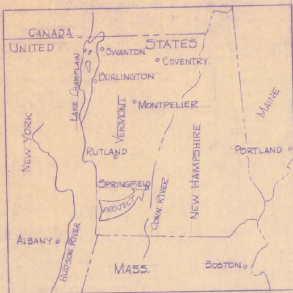
AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
By Howard P. Keenan Resident Engineer
Date 6/09/80

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD
APPROVED AG 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

SPRINGFIELD STATE AIRPORT SPRINGFIELD, VERMONT

TERMINAL AREA IMPROVEMENTS

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



PROJECT DESCRIPTION

CONSTRUCT NEW STRIP TAXIWAY TO RUNWAY 5-23.
CONSTRUCT NEW PARTIAL PARALLEL TAXIWAY TO RUNWAY 5-23.
RECONSTRUCT AND EXPAND THE TERMINAL APRON AREA.
INSTALL TAXIWAY LIGHTS AND 12' LIGHTED WIND CONE WITH SEGMENTED CIRCLE.
INSTALL MEDIUM INTENSITY RUNWAY LIGHTS ON RUNWAY 11-23.
CONSTRUCT ELECTRICAL VAULT.

INDEX OF SHEETS

1. TITLE PAGE
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6. DRAINAGE, MARKING & TIE DOWN SHEET
7. TYPICAL SECTIONS, 7-4 STD. D-1; 7-5 STD. D-19
8. PROFILE SHEET
9. BORING LOGS
10. QUANTITY SHEET
11. EARTHWORK SUMMARY
- 12-16. GROSS SECTIONS

Contract 'A'

These plans have been reviewed and are acceptable to the FAA.
Travis A. Dink 4/9/82
DATE

Contract 'B'

These plans have been reviewed and are acceptable to the FAA.
James D. Dink 4/9/82
DATE

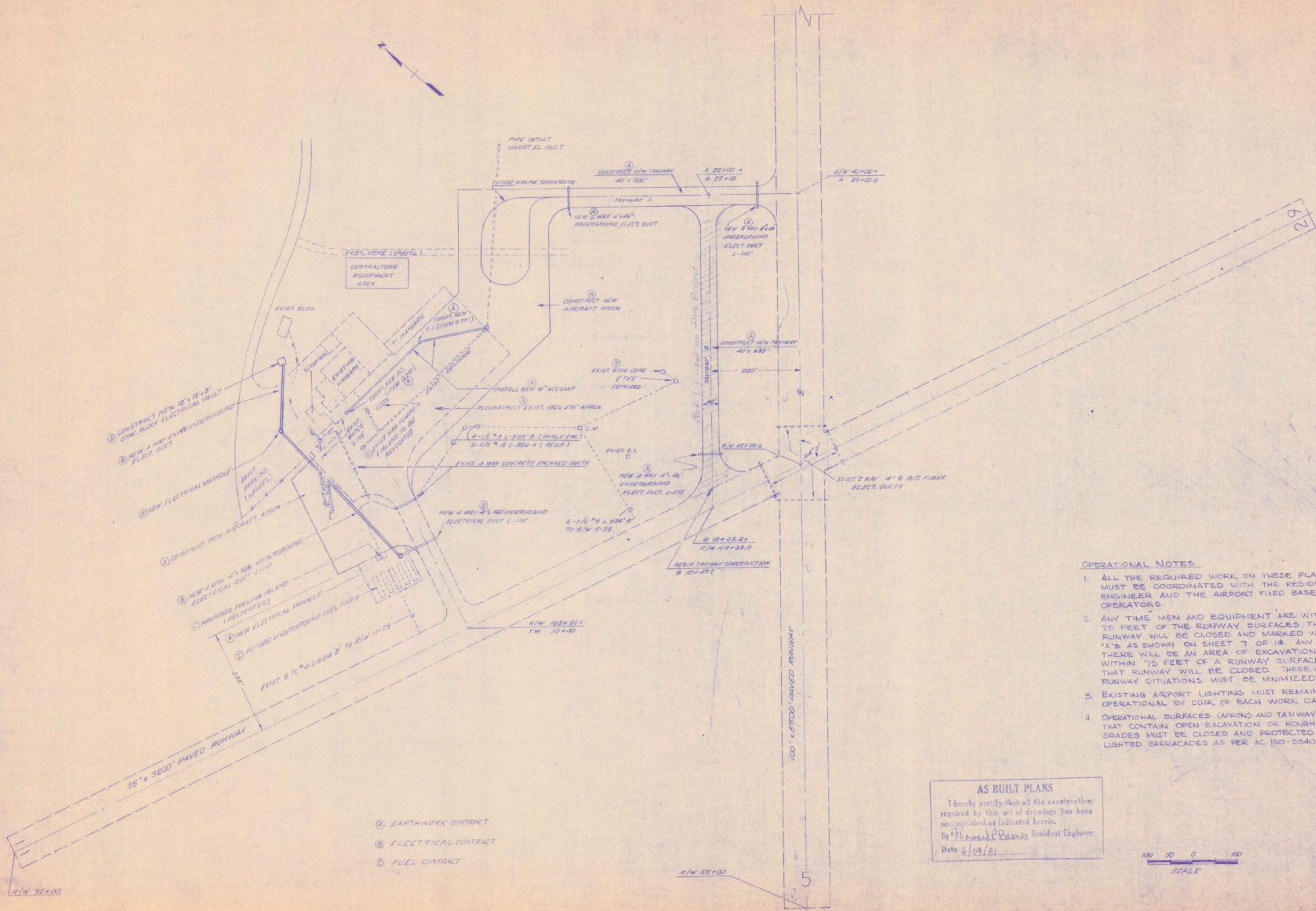
REVISIONS	
DESCRIPTION	DATE

AS BUILT PLANS

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

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD	
APPROVED <i>J. J. Page</i> DATE 9-21-78	CHEIEF OF ENGINEERING AND CONSTRUCTION
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	
APPROVED _____ DATE _____	CHEIEF ENGINEERING BRANCH AIRPORTS DIVISION
PROJECT ADAP NO. 5-50-0016-04	
SHEET 1 OF 16 SHEETS	

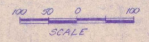
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1980
ADAP 5-50-0016-04
AIR 21-5004
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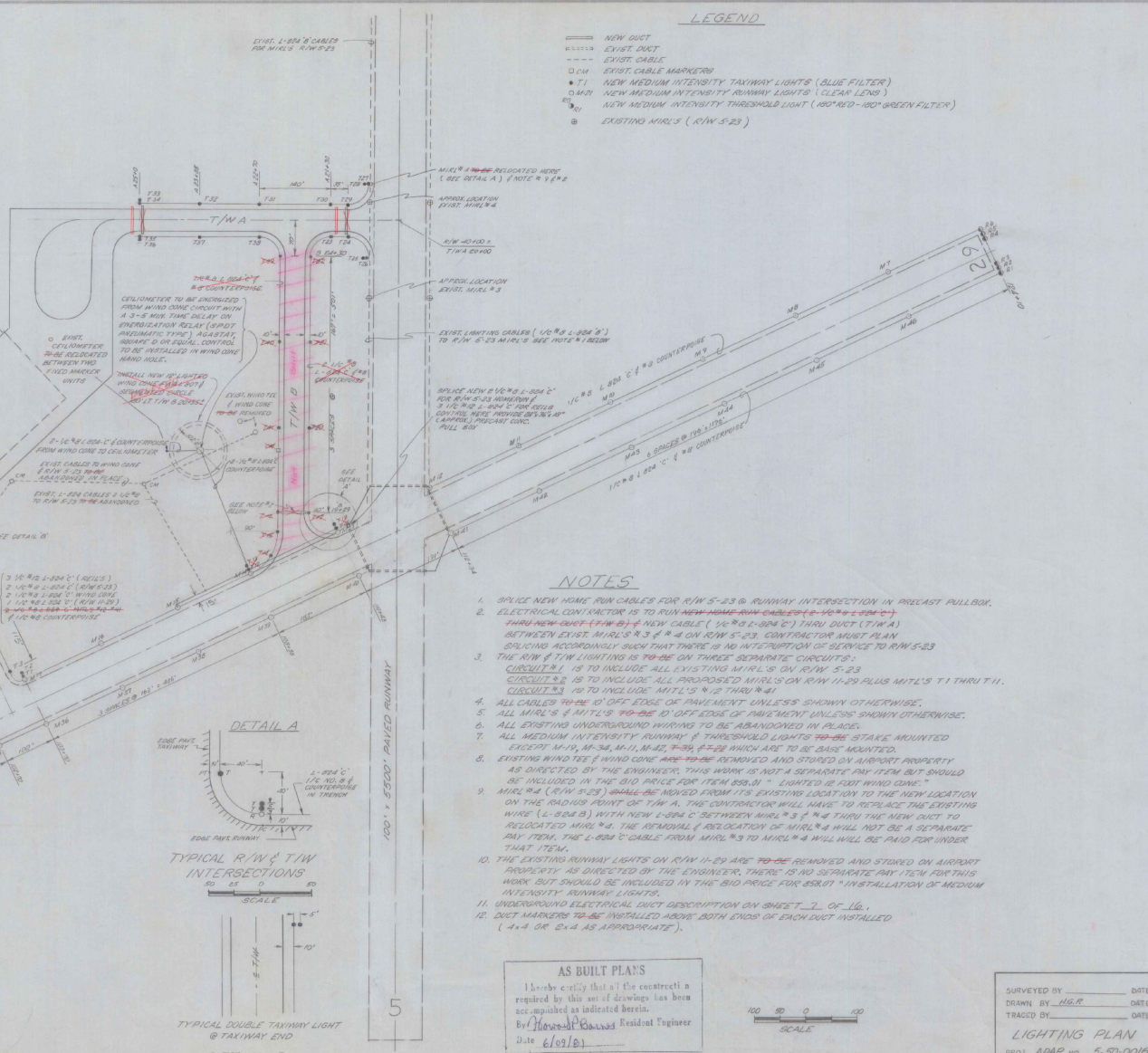
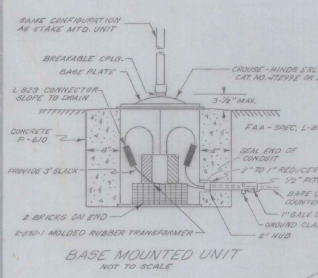
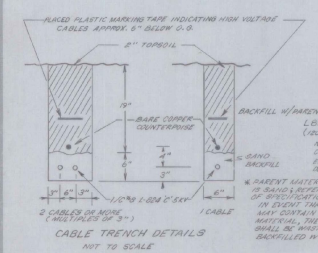
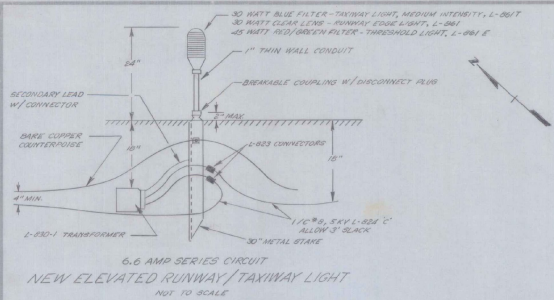
OPERATIONAL NOTES.

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 75 FEET OF THE RUNWAY SURFACES, THAT RUNWAY WILL BE CLOSED AND MARKED WITH 'X'S' AS SHOWN ON SHEET 'I' OF 'B'. ANY TIME THERE WILL BE AN AREA OF EXCAVATION WITHIN 75 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 CURB 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: *Thomas P. O'Connell*, Resident Engineer.
 Date: 6/09/81



SURVEYED BY	DATE
DRAWN BY: <i>MEB</i>	DATE
TRACED BY	DATE
PROJECT LAYOUT	
PROJ. ADAP. NO. 5-90-0016-01	
SHEET 2 OF 16	



LEGEND

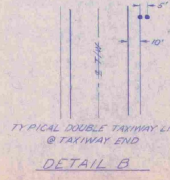
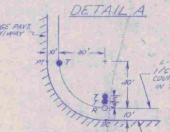
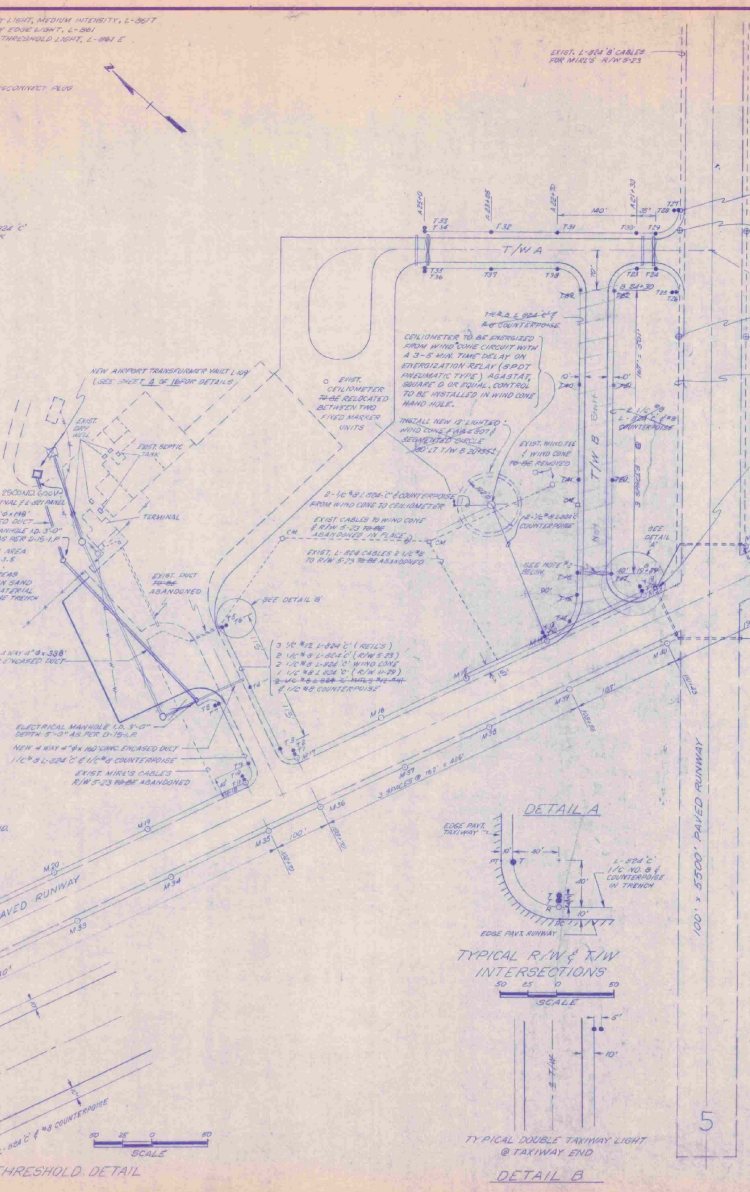
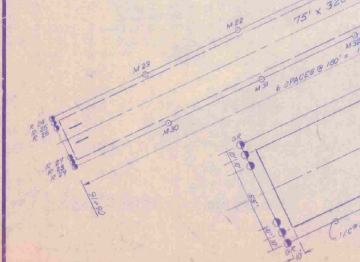
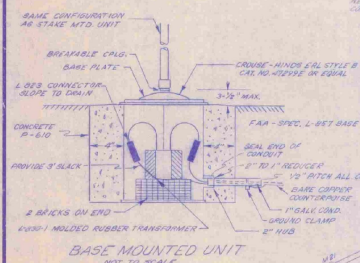
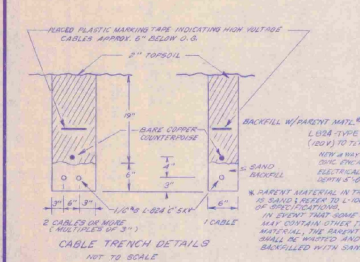
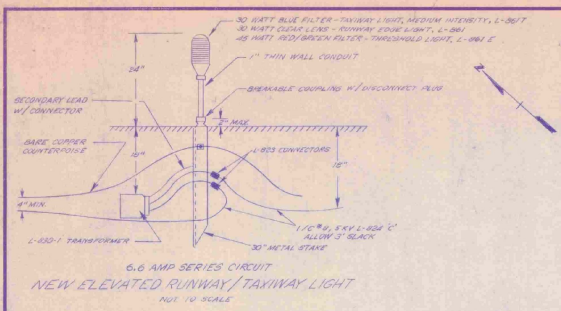
- NEW DUCT
- EXIST. DUCT
- - - EXIST. CABLE
- EXIST. CABLE MARKERS
- NEW MEDIUM INTENSITY TAXIWAY LIGHTS (BLUE FILTER)
- NEW MEDIUM INTENSITY RUNWAY LIGHTS (CLEAR LENS)
- NEW MEDIUM INTENSITY THRESHOLD LIGHT (RED-RED-GREEN FILTER)
- EXISTING MRL'S (R/W 5-23)

NOTES

1. SPlice NEW HOME RUN CABLES FOR R/W 5-23 @ RUNWAY INTERSECTION IN PRECAST PULLBOX.
2. ELECTRICAL CONTRACTOR IS TO RUN NEW HOME RUN CABLES (1/2" Ø L-804 C) THRU NEW DUCT (1/2" Ø L-804 C) THRU DUCT (T/W A) BETWEEN EXIST. MRL'S #3 & #4 ON R/W 5-23. CONTRACTOR MUST BE AN SPLICING ACCORDINGLY SUCH THAT THERE IS NO INTERRUPTION OF SERVICE TO R/W 5-23.
3. THE R/W & T/W LIGHTING IS TO BE ON THREE SEPARATE CIRCUITS:
 - CIRCUIT #1 IS TO INCLUDE ALL EXISTING MRL'S ON R/W 5-23
 - CIRCUIT #2 IS TO INCLUDE ALL PROPOSED MRL'S ON R/W 11-25 PLUS MRL'S T1 THRU T11.
 - CIRCUIT #3 IS TO INCLUDE MRL'S #1 & #2 THRU #4.
4. ALL CABLES TO BE 10' OFF EDGE OF PAVEMENT UNLESS SHOWN OTHERWISE.
5. ALL MRL'S & MTL'S TO BE 10' OFF EDGE OF PAVEMENT UNLESS SHOWN OTHERWISE.
6. ALL EXISTING UNDERGROUND WIRING TO BE ABANDONED IN PLACE.
7. ALL MEDIUM INTENSITY RUNWAY THRESHOLD LIGHTS TO BE STAKE MOUNTED EXCEPT M10, M13, M11, M12, F-35, & F-28 WHICH ARE TO BE SKI MOUNTED.
8. EXISTING WIND TEE & WIND CONE ARE TO BE REMOVED AND STORED ON AIRPORT PROPERTY AS DIRECTED BY THE ENGINEER. THIS WORK IS NOT A SEPARATE PAY ITEM BUT SHOULD BE INCLUDED IN THE BID PRICE FOR ITEM 850.01 - LIGHTED 12 FOOT WIND CONE.
9. MRL #4 (R/W 5-23) IS TO BE MOVED FROM ITS EXISTING LOCATION TO THE NEW LOCATION ON THE RADIAL POINT OF T/W A. THE CONTRACTOR WILL HAVE TO REPLACE THE EXISTING WIRE (L-804 C) WITH NEW L-804 C BETWEEN MRL #3 & #4 THRU THE NEW DUCT TO RELOCATED MRL #4. THE REMOVAL & RELOCATION OF MRL #4 WILL NOT BE A SEPARATE PAY ITEM. THE L-804 C CABLE FROM MRL #3 TO MRL #4 WILL BE PAID FOR UNDER THAT ITEM.
10. THE EXISTING RUNWAY LIGHTS ON R/W 11-25 ARE TO BE REMOVED AND STORED ON AIRPORT PROPERTY AS DIRECTED BY THE ENGINEER. THERE IS NO SEPARATE PAY ITEM FOR THIS WORK BUT SHOULD BE INCLUDED IN THE BID PRICE FOR 850.01 - INSTALLATION OF MEDIUM INTENSITY RUNWAY LIGHTS.
11. UNDERGROUND ELECTRICAL DUCT DESCRIPTION ON SHEET 7 OF 16.
12. DUCT MARKERS TO BE INSTALLED ABOVE BOTH ENDS OF EACH DUCT INSTALLED (4 x 4 OF 2 x 4 AS APPROPRIATE).

AS BUILT PLAN'S
 I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
 By: *[Signature]* Resident Engineer
 Date: 6/07/81

SURVEYED BY: _____ DATE: _____
 DRAWN BY: H.G.P. DATE: _____
 TRACED BY: _____ DATE: _____
LIGHTING PLAN
 PROJ. ADAP NO. 5-50-0016-04
 SHEET 5 OF 16



LEGEND

---	NEW DUCT
---	EXIST DUCT
---	EXIST CABLE MARKERS
---	EXIST CABLE MARKERS
---	NEW MEDIUM INTENSITY TAXIWAY LIGHTS (BLUE FILTER)
---	NEW MEDIUM INTENSITY RUNWAY LIGHTS (CLEAR LENS)
---	NEW MEDIUM INTENSITY THRESHOLD LIGHT (100' x 100' GREEN FILTER)
---	EXISTING MIRLS (R/W 5-23)

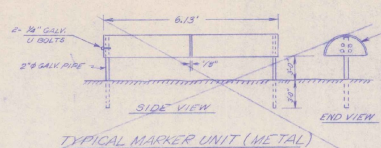
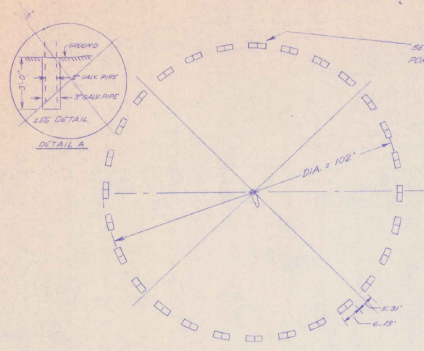
- NOTES**
1. SPlice NEW HOME RUN CABLES FOR R/W 5-23 @ RUNWAY INTERSECTION IN PRE-EXIST FULLOK.
 2. ELECTRICAL CONTRACTOR IS TO RUN NEW HOME RUN CABLES (2-1/2" x 1/2" x 1/2") THRU NEW DUCT (T/W B) & NEW CABLE (1/2" x 1/2" x 1/2") THRU DUCT (T/W A) BETWEEN EXIST. MIRLS #3 & #4 ON R/W 5-23. CONTRACTOR MUST PLAN SPlicing ACCORDINGLY SUCH THAT THERE IS NO INTERRUPTION OF SERVICE TO R/W 5-23.
 3. THE R/W & T/W LIGHTING IS TO BE ON THREE SEPARATE CIRCUITS: CIRCUIT #1 IS TO INCLUDE ALL EXISTING MIRLS ON R/W 5-23. CIRCUIT #2 IS TO INCLUDE ALL PROPOSED MIRLS ON R/W 11-29 PLUS MIRLS #1 THRU #11. CIRCUIT #3 IS TO INCLUDE MIRLS #12 THRU #41.
 4. ALL CABLES TO BE 1' OFF EDGE OF PAVEMENT UNLESS SHOWN OTHERWISE.
 5. ALL MIRLS & MITE'S TO BE 1' OFF EDGE OF PAVEMENT UNLESS SHOWN OTHERWISE.
 6. ALL EXISTING UNDERGROUND WIRING TO BE ABANDONED IN PLACE.
 7. ALL MEDIUM INTENSITY RUNWAY & THRESHOLD LIGHTS TO BE STAKE MOUNTED EXCEPT #1, #2, #3, #4, #11, #12, #38, #39, #40, #41, #42, #43, #44, #45, #46, #47, #48, #49, #50, #51, #52, #53, #54, #55, #56, #57, #58, #59, #60, #61, #62, #63, #64, #65, #66, #67, #68, #69, #70, #71, #72, #73, #74, #75, #76, #77, #78, #79, #80, #81, #82, #83, #84, #85, #86, #87, #88, #89, #90, #91, #92, #93, #94, #95, #96, #97, #98, #99, #100, #101, #102, #103, #104, #105, #106, #107, #108, #109, #110, #111, #112, #113, #114, #115, #116, #117, #118, #119, #120, #121, #122, #123, #124, #125, #126, #127, #128, #129, #130, #131, #132, #133, #134, #135, #136, #137, #138, #139, #140, #141, #142, #143, #144, #145, #146, #147, #148, #149, #150, #151, #152, #153, #154, #155, #156, #157, #158, #159, #160, #161, #162, #163, #164, #165, #166, #167, #168, #169, #170, #171, #172, #173, #174, #175, #176, #177, #178, #179, #180, #181, #182, #183, #184, #185, #186, #187, #188, #189, #190, #191, #192, #193, #194, #195, #196, #197, 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 8. EXISTING WIND TEE & WIND CONE ARE TO BE REMOVED AND STORED ON AIRPORT PROPERTY AS DIRECTED BY THE ENGINEER. THIS WORK IS NOT A SEPARATE PAY ITEM BUT SHOULD BE INCLUDED IN THE BID PRICE FOR ITEM 880.01 "LIGHTED 12 FOOT WIND CONE."
 9. ALL MEDIUM INTENSITY TAXIWAY LIGHTS TO BE REMOVED FROM ITS EXISTING LOCATION TO THE NEW LOCATION ON THE RADIUS POINT OF T/W A. THE CONTRACTOR WILL HAVE TO REPLACE THE EXISTING WIRE (L-584 B) WITH NEW L-584 C BETWEEN MIRLS #3 & #4 THRU THE NEW DUCT TO RELOCATED MIRL #3. THE REMOVAL & RELOCATION OF MIRL #4 WILL NOT BE A SEPARATE PAY ITEM. THE L-584 C CABLE FROM MIRL #3 TO MIRL #4 WILL BE PAID FOR UNDER THAT ITEM.
 10. THE EXISTING RUNWAY LIGHTS ON R/W 11-29 ARE TO BE REMOVED AND STORED ON AIRPORT PROPERTY AS DIRECTED BY THE ENGINEER. THERE IS NO SEPARATE PAY ITEM FOR THIS WORK BUT SHOULD BE INCLUDED IN THE BID PRICE FOR 880.01 "INSTALLATION OF MEDIUM INTENSITY RUNWAY LIGHTS."
 11. UNDERGROUND ELECTRICAL DUCT DESCRIPTION ON SHEET 7 OF 10.
 12. DUCT MARKERS TO BE INSTALLED ABOVE BOTH ENDS OF EACH DUCT INSTALLED (4"x4" OR 5"x4" AS APPROPRIATE).

AS BUILT PLANS

I, the undersigned, certify that all the contracts required by this set of drawings has been completed as indicated hereon.

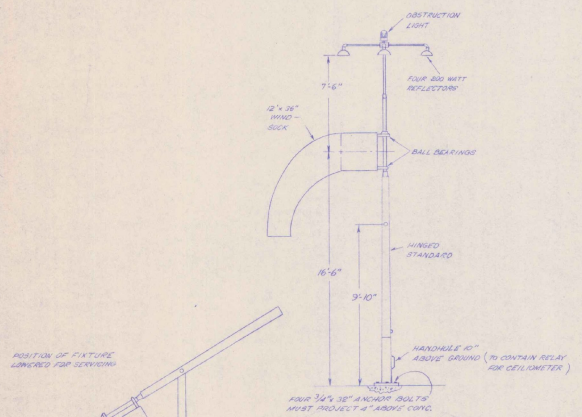
By: *[Signature]* Resident Engineer
Date: 6/10/16

SURVEYED BY	DATE
DRAWN BY	DATE
TRACED BY	DATE
LIGHTING PLAN	
PROJ. ADP NO. 5-50-0016-04	
SHEET 3 OF 10	

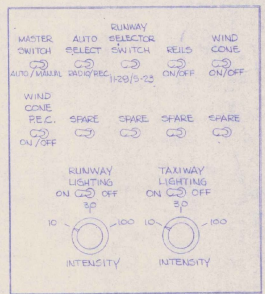
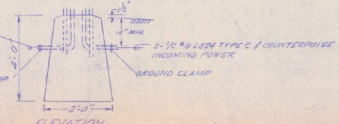
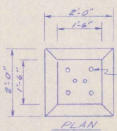


STANDARD 55 GAL. METAL DRUM
CUT IN HALF AND WELDED ENDS
END AND PAINTED AS FOLLOWS:
1ST COAT WHITE UNDERCOAT
2ND COAT QUALITON METAL LAQUER
SWISSER BRONZE "FIRE ORANGE"
* 2ND COAT
3RD COAT "FLYER" OR EQUAL
GROUP TO MATCHING
THE SURFACES SHALL BE
THOROUGHLY CLEANED OF ALL
RUST, SCALE, DIRT, OIL AND OTHER
FOREIGN SUBSTANCES TO THE
SATISFACTION OF THE ENGINEER.

SEGMENTED-CIRCLE LAYOUT



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



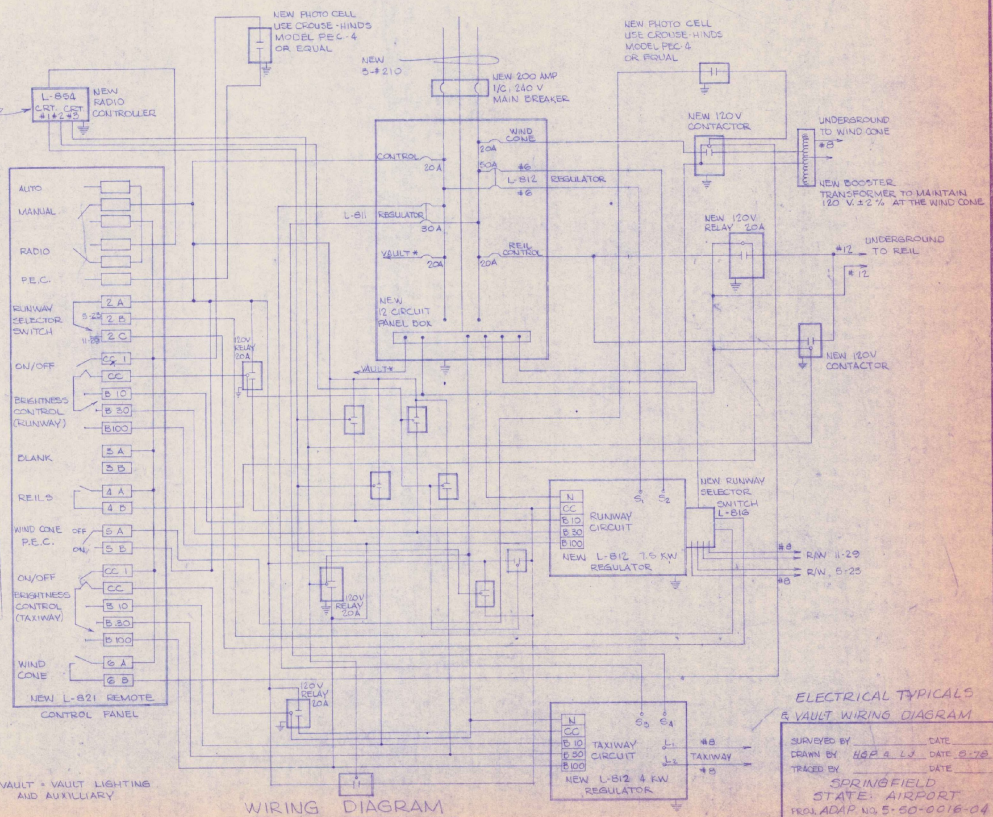
**AIRPORT LIGHTING
CONTROL PANEL**

AS BUILT PLANS
I hereby certify that all the construction
required by this set of drawings has been
accomplished as indicated herein.
By *Lawrence E. Powers* Resident Engineer
Date *6/19/78*

REFER TO MANUFACTURERS
REQUIREMENTS FOR PROPER
TO BEARING AND AIRPORT
CONFORMANCE.

NOTES

1. MOUNT NEW PHOTOCELL ON NORTH SIDE OF NEW ELECTRICAL VAULT.
2. NEW L-812 AND L-815 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 WIRINGS #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. CONTRACTOR AMPERAGE TO MEET EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
8. NEW RADIO CONTROLLER TO ADHERE TO AC 150-6840.40 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 P.E.O.



WIRING DIAGRAM

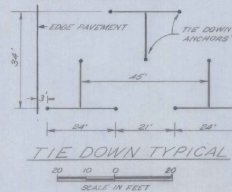
**ELECTRICAL TYPICALS
& VAULT WIRING DIAGRAM**

SURVEYED BY _____ DATE _____
DRAWN BY *482 E.L.V.* DATE *6-1-78*
TRACED BY _____ DATE _____
**SPRINGFIELD
STATE AIRPORT**
REG. ADAP. NO. S-50-0016-04
SHEET *5* OF *10*

NOTES

1. EXISTING CONTOURS & DESIGN CONTOURS ARE APPROXIMATELY THE SAME.
2. EXISTING D.I.'S TO BE ADJUSTED TO GRADE.
3. ITEM 601.552 IS 18" DIA. ACCORDING TO INCLUDE TRENCHING, INSTALLATION & BACKFILL.

NOTE: EACH AIRPLANE TIE-DOWN
REQUIRES 3 TIE-DOWN ANCHORS



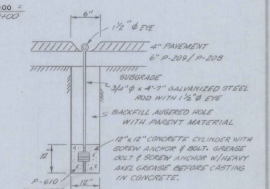
LEGEND

- ITEM 202.14
- LIMITS OF CONSTRUCTION

SEE BUTT JOINT DETAIL
SHEET 7 OF 16

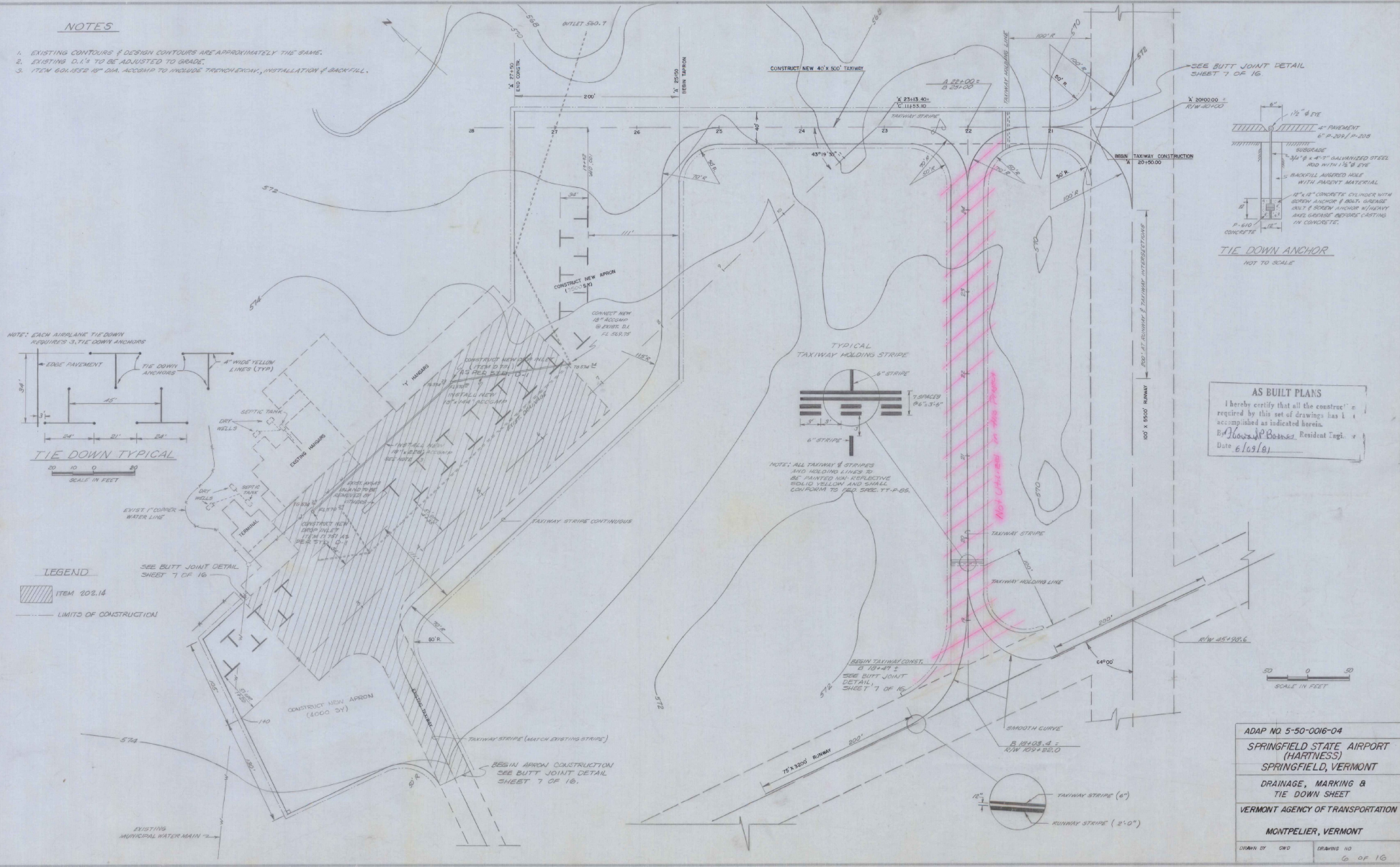
EXISTING
MUNICIPAL WATER MAIN

SEE BUTT JOINT DETAIL
SHEET 7 OF 16



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.
B. J. [Signature] Resident Engineer
Date 6/03/81



NOTE: ALL TAXIWAY STRIPES
AND HOLDING LINES TO
BE PAINTED NON-REFLECTIVE
SOLID YELLOW AND SMALL
CONFORM TO SEE SPEC. TT-P-25

SCALE IN FEET

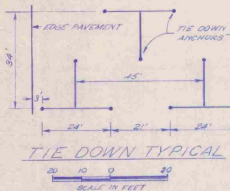
ADAP NO 5-50-0016-04
SPRINGFIELD STATE AIRPORT
(HARTNESS)
SPRINGFIELD, VERMONT
DRAINAGE, MARKING &
TIE DOWN SHEET
VERMONT AGENCY OF TRANSPORTATION
MONTPELIER, VERMONT

DRAWN BY DWD DRAWING NO 6 OF 16

NOTES

1. EXISTING CONTOURS & DESIGN CONTOURS ARE APPROXIMATELY THE SAME.
2. EXISTING D.I. TO BE ADJUSTED TO GRADE.
3. ITEM 601.152 OF D.M. ASSUMED TO INCLUDE TRENCHING, INSTALLATION & BACKFILL.

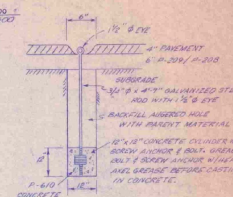
NOTE: EACH ANCHOR TIE DOWN REQUIRES 3 TIE DOWN ANCHORS



TIE DOWN TYPICAL
SCALE IN FEET

LEGEND

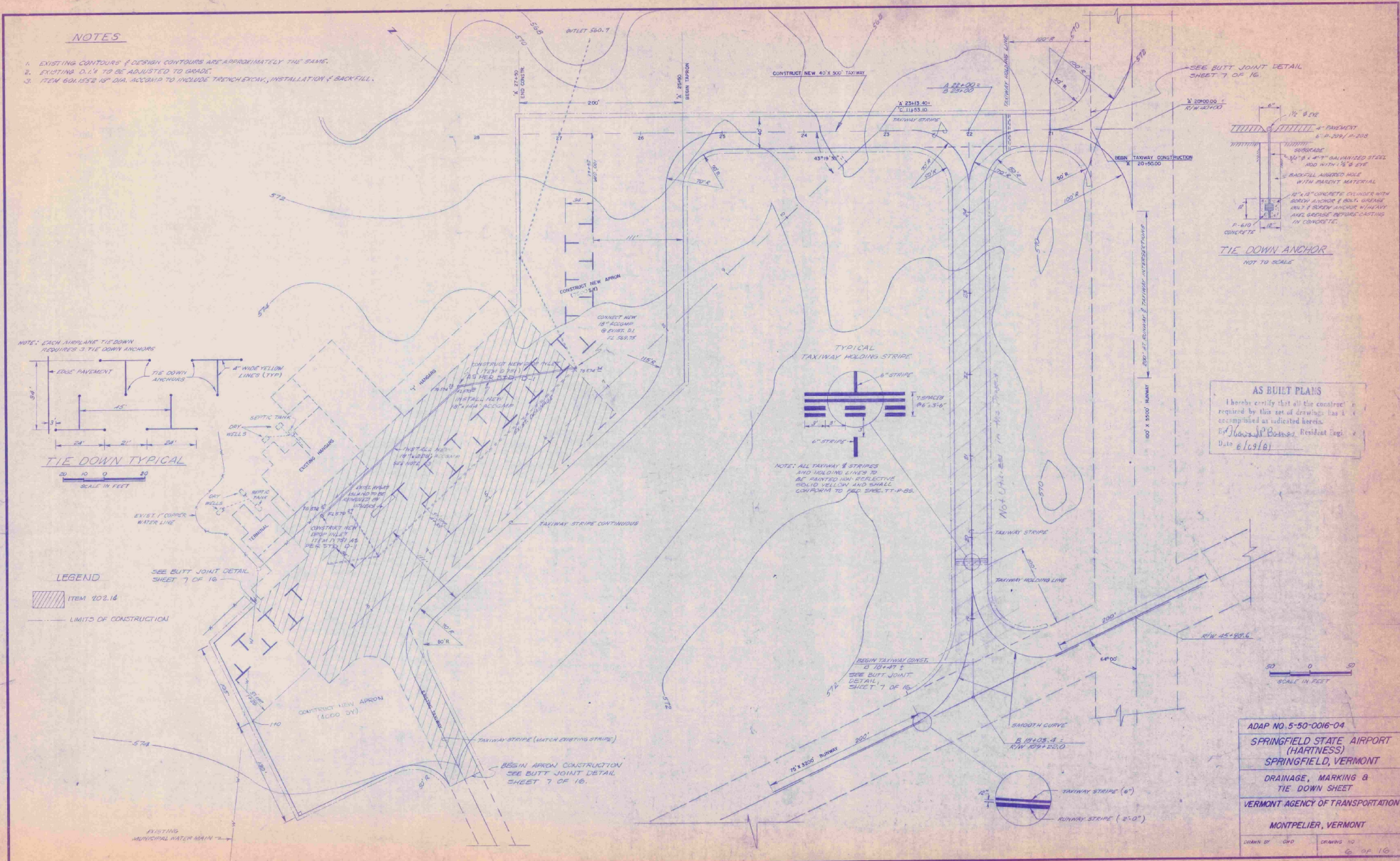
- ITEM 602.12
- LIMITS OF CONSTRUCTION



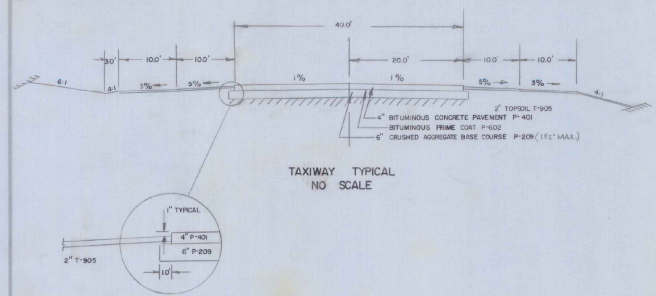
TIE DOWN ANCHOR
NOT TO SCALE

AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
By: *James J. Boland*, Resident Eng.
Date: 6/25/61

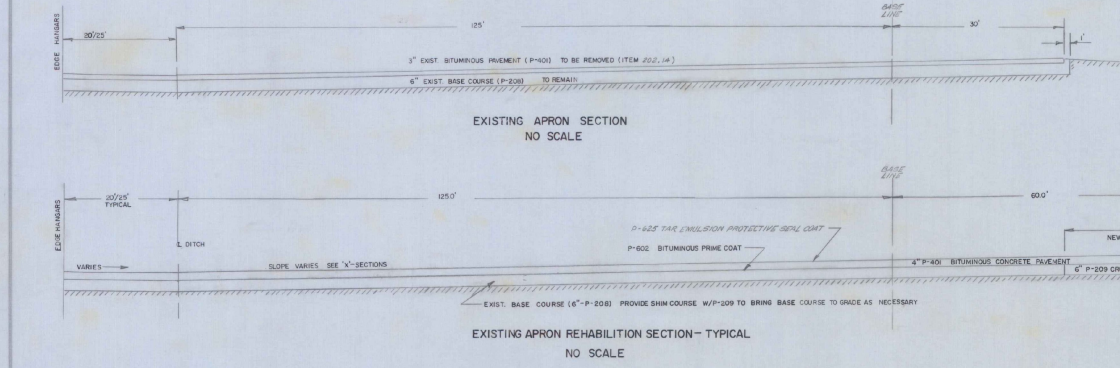
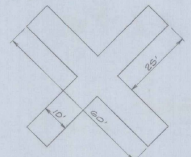
ADAP NO. 5-50-0016-04
SPRINGFIELD STATE AIRPORT (HARTNESS)
 SPRINGFIELD, VERMONT
 DRAINAGE, MARKING & TIE-DOWN SHEET
 VERMONT AGENCY OF TRANSPORTATION
 MONTPELIER, VERMONT
 DRAWN BY: GMD DRAWING NO. 50-0016-04
 SHEET 10 OF 10



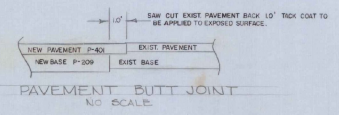
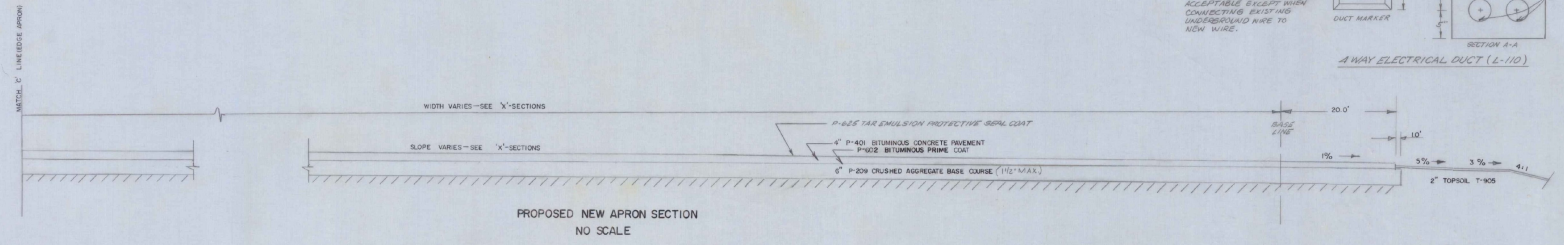
SCALE IN FEET



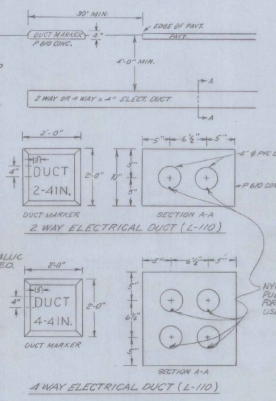
THE CONTRACTOR WILL BE RESPONSIBLE FOR PROPERLY PLACING AND ANCHORING THESE 'X'S. THERE IS NO SEPARATE PAYMENT FOR THE 'X'S.



- NOTES
1. COMPACT SUBGRADE AS PER HAA P-152 & T-61
 2. TOPSOIL STRIPPED FROM NEW CONSTRUCTION TO BE STOCKPILED AND REUSED AS NEEDED. REFER TO ITEM P-152-2.12. TOPSOILING UNDER P-152 IS NOT A SEPARATE PAY ITEM, BUT SHOULD BE INCLUDED IN THE BID PRICE FOR COMMON EVALUATION
 3. ITEM P-625 TO BE APPLIED 48 HOURS (MIN) AFTER COMPLETION OF ITEM P-401.
 4. ITEM G-27 SEED, LIME FERTILIZER
THE SEED MIXTURE SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
TYPE OF SEEDS: 70 PLS
CANTERING RED FESCUE 40
ALFA PERCUSS 20
KENNEDY BLUE 20
RED TOP 10
PERENNIAL RYE 5
WHITE CLOVER 5
ALSKA CLOVER 5
ORCHARD 5
 5. ITEM P-625 TO BE EMULSION ONLY APPLIED BY DISTRIBUTOR IN TWO APPLICATIONS AS INDICATED IN SECTION 257.12 OF THE SPECIFICATIONS.

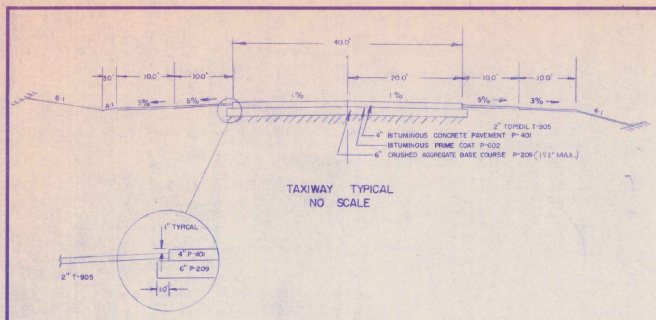


- NOTES (L-110)
1. COST OF RESTORING SURFACE TO ITS ORIGINAL CONDITION SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE FOR L.V. FT. OF 1200 L-V NOT INSTALLATION OF AIRPORT UNDERGROUND ELECTRICAL DUCTS
 2. COST OF DUCT MARKERS SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE FOR L.V. FT. OF 1200 L-V (INSTALLATION OF AIRPORT UNDERGROUND ELECTRICAL DUCTS)
 3. NO HAND LETTERING ON DUCT OR CABLE MARKER.
 4. CONDUIT TO BE NEW METALLIC RIGID (PLASTIC - PVC) FED. SPEC. W-C-10594 (FPA L-110 TYPE I)
 5. CABLE AND SPIKE MARKERS ARE REQUIRED PER PAA SPEC. L-022. SPOULES WILL NOT BE ACCEPTABLE EXCEPT WHEN COMPARING EXISTING UNDERGROUND WIRE TO NEW WIRE.

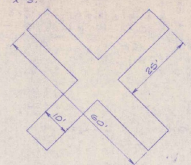


AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
By *J. S. Brown* Resident Engineer
Date *6/09/81*

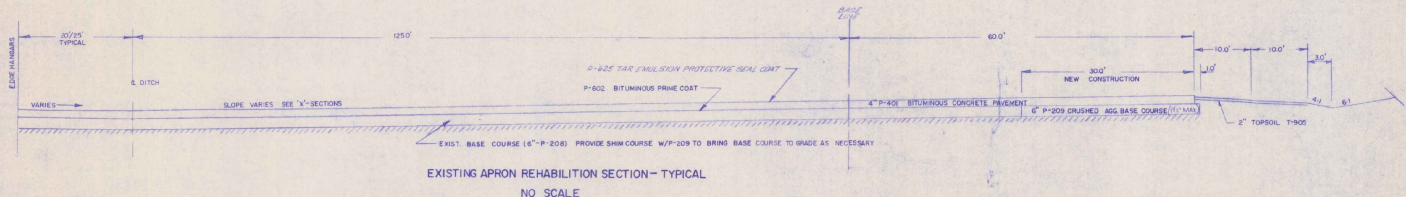
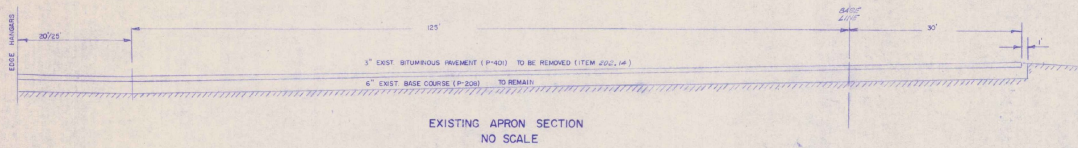
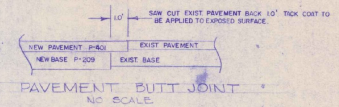
ADAP NO. 5-50-0016-04
SPRINGFIELD STATE AIRPORT (HARTNESS) SPRINGFIELD, VERMONT
TYPICAL SECTIONS
VERMONT AGENCY OF TRANSPORTATION
MONTPELIER, VERMONT
DRAWN BY: GWD DRAWING NO: 7 OF 10



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



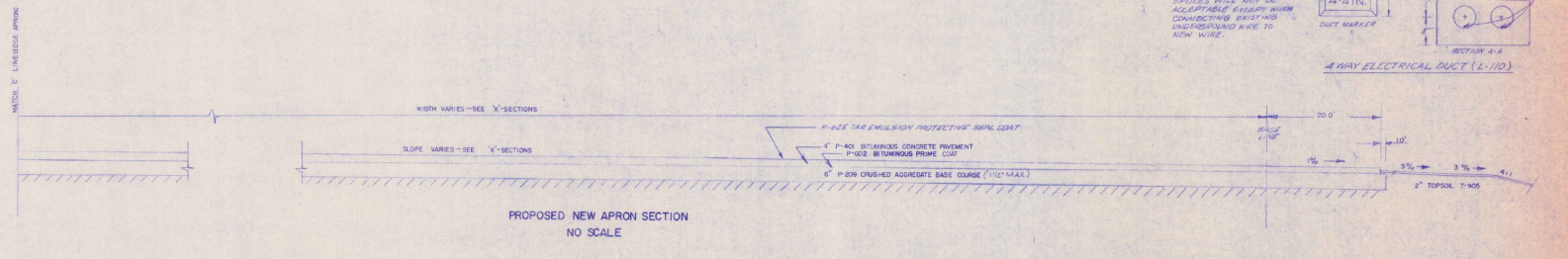
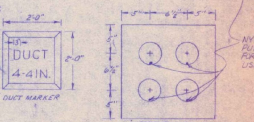
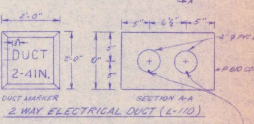
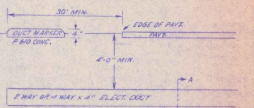
CLOSED RUNWAY MARKER TWO REQUIRED (YELLOW)
SCALE: 1"=20'



- NOTES
1. COMPACT SUBGRADE AS PER P&S P-152 IN T&E
 2. TOPSOIL STRIPPED FROM NEW CONSTRUCTION TO BE STOCKPILED AND REUSED AS NEEDED, REFER TO ITEM P-155 I.E. TOPSOIL LAYER P-155 IS NOT A SEPARATE PAY ITEM, BUT SHOULD BE INCLUDED IN THE BID PRICE FOR COMMON EXCAVATION
 3. ITEM P-401 TO BE APPLIED BY SHM (MAN.) AFTER COMPLETION OF ITEM P-401.
 4. ITEM 6.07 SEED, LIME & FERTILIZER
THE SEED MIXTURE SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
TYPE OF GRASS: 75% DIS

CREEPING BIRD FESCUE	40
ALFA BERMUDA	20
KENTUCKY BLUE	20
RED TOP	10
PERENNIAL RYE	5
WHITE CLOVER	5
ALBERT CLOVER	5
OTHER	5
 5. ITEM P-602 TO BE EMULSION ONLY APPLIED BY DISTRIBUTOR IN TWO APPLICATIONS AS INDICATED IN SECTION 6.07 I.E. 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) & INCLUDES GRANUL BASE
 2. COST OF DUCT MARKERS ARE INCLUDED IN THE CONTRACTOR'S BID PRICE FOR L-110 (INSTALLATION OF AIRPORT UNDERGROUND ELECTRICAL DUCTS)
 3. NO HAND LETTERING ON DUCT OR CABLE MARKER.
 4. CONDUIT TO BE NON-METALLIC RIGID (PLASTIC - PVC) FIBER SPEC. W-1-C-1024 (P&A L-110 TYPE I)
 5. CABLE AND DUCT MARKERS ARE REQUIRED PER P&A SPEC. I-814, (CABLES WILL NOT BE ACCEPTABLE UNLESS WHEN CONNECTING EXISTING UNDERGROUND WIRE TO NEW WIRE.



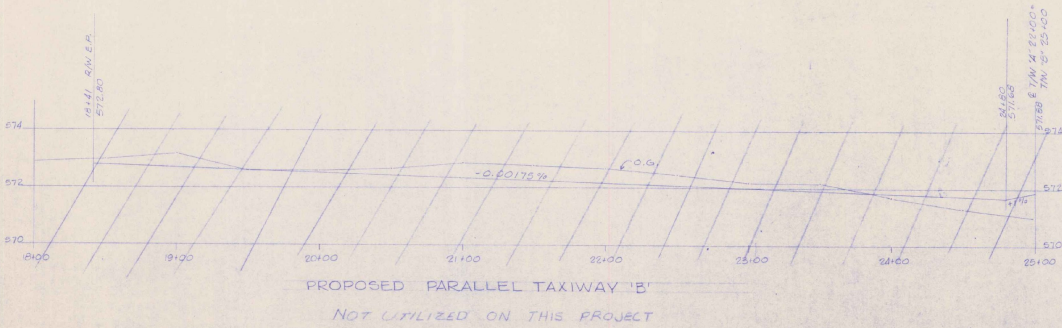
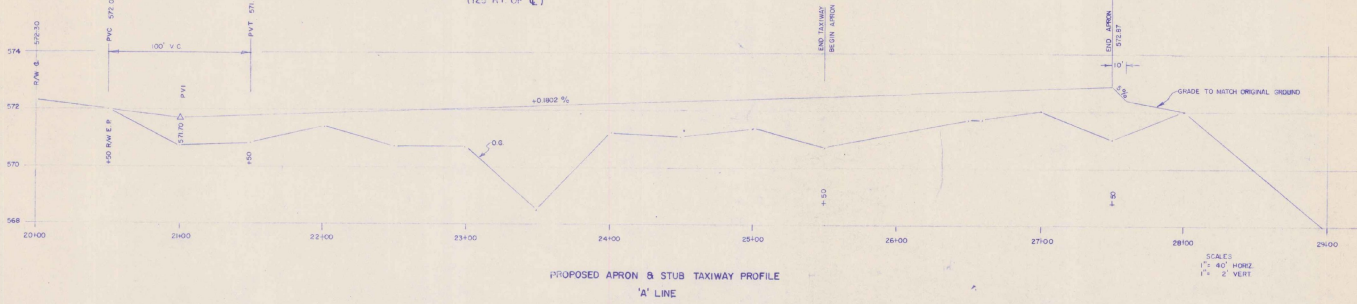
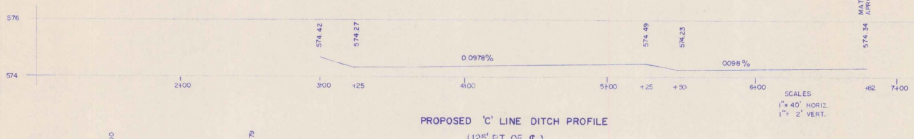
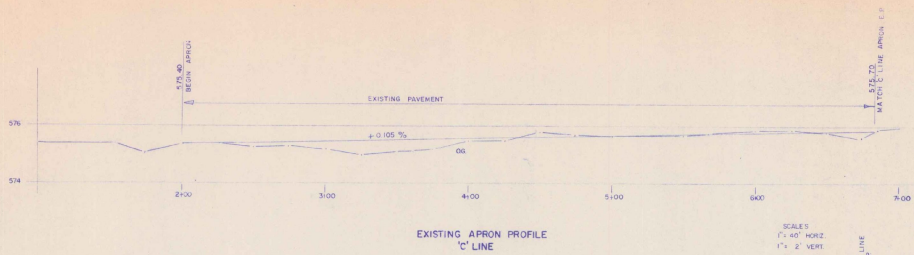
AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
By *[Signature]* Resident Engineer
Date *6/19/81*

ADAP NO. 5-50-0016-04
SPRINGFIELD STATE AIRPORT
(HARTNESS)
SPRINGFIELD, VERMONT

TYPICAL SECTIONS

VERMONT AGENCY OF TRANSPORTATION
MONTPELIER, VERMONT

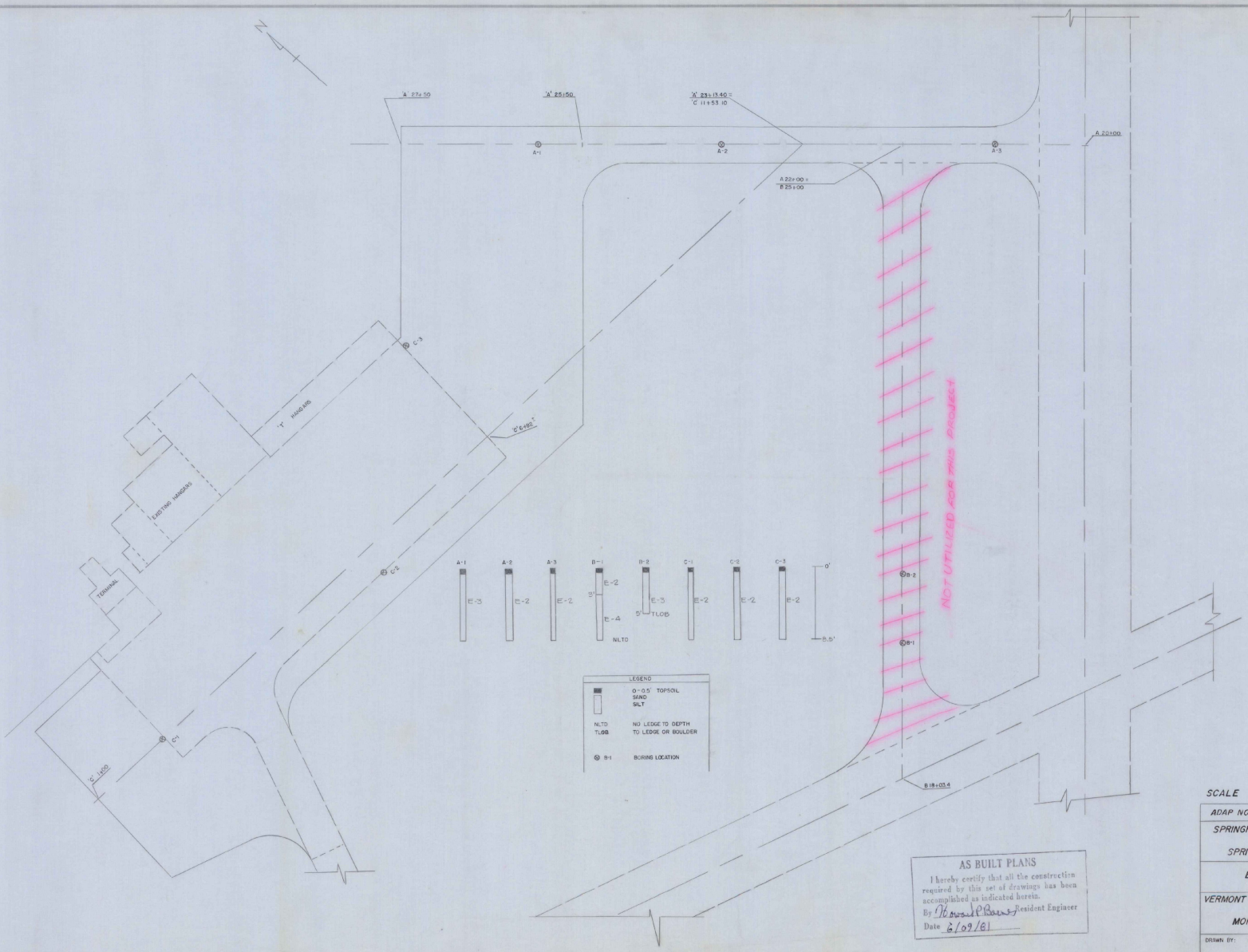
DRAWN BY: GWD
DRAWING NO: 7 OF 18
OCT 14 1981



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: Edward P. Blawie, Resident Engineer
Date: 6/13/61

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



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. Bowers* Resident Engineer
 Date *8/09/81*

SCALE 1" = 50'

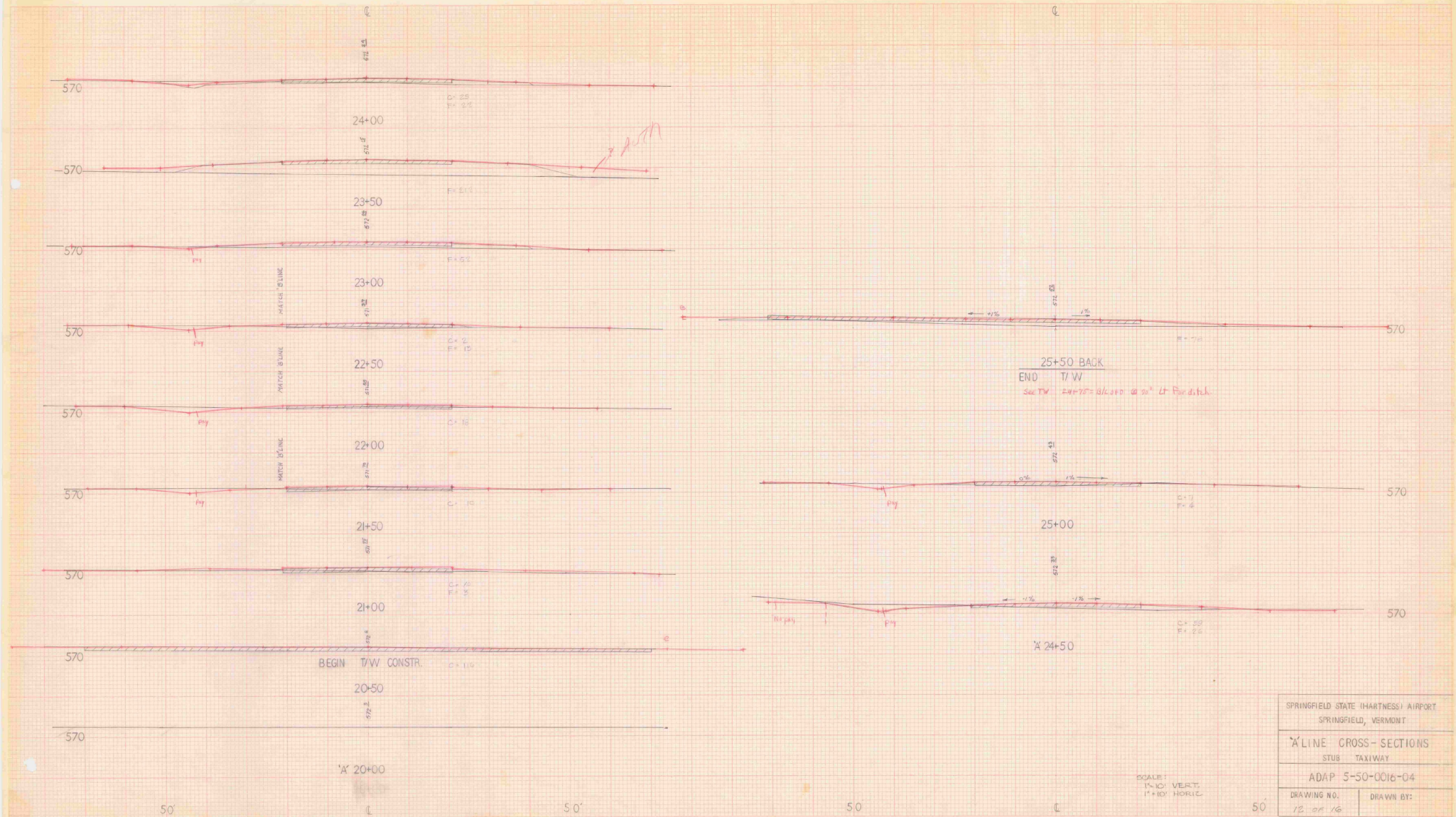
ADAP NO 5-50-0016-04	
SPRINGFIELD STATE AIRPORT (HARTNESS) SPRINGFIELD, VERMONT	
BORING LOG	
VERMONT AGENCY OF TRANSPORTATION	
MONTPELIER, VERMONT	
DRAWN BY: OWD	DRAWING NO. 0 OF 16

EARTHWORK

EARTHWORK

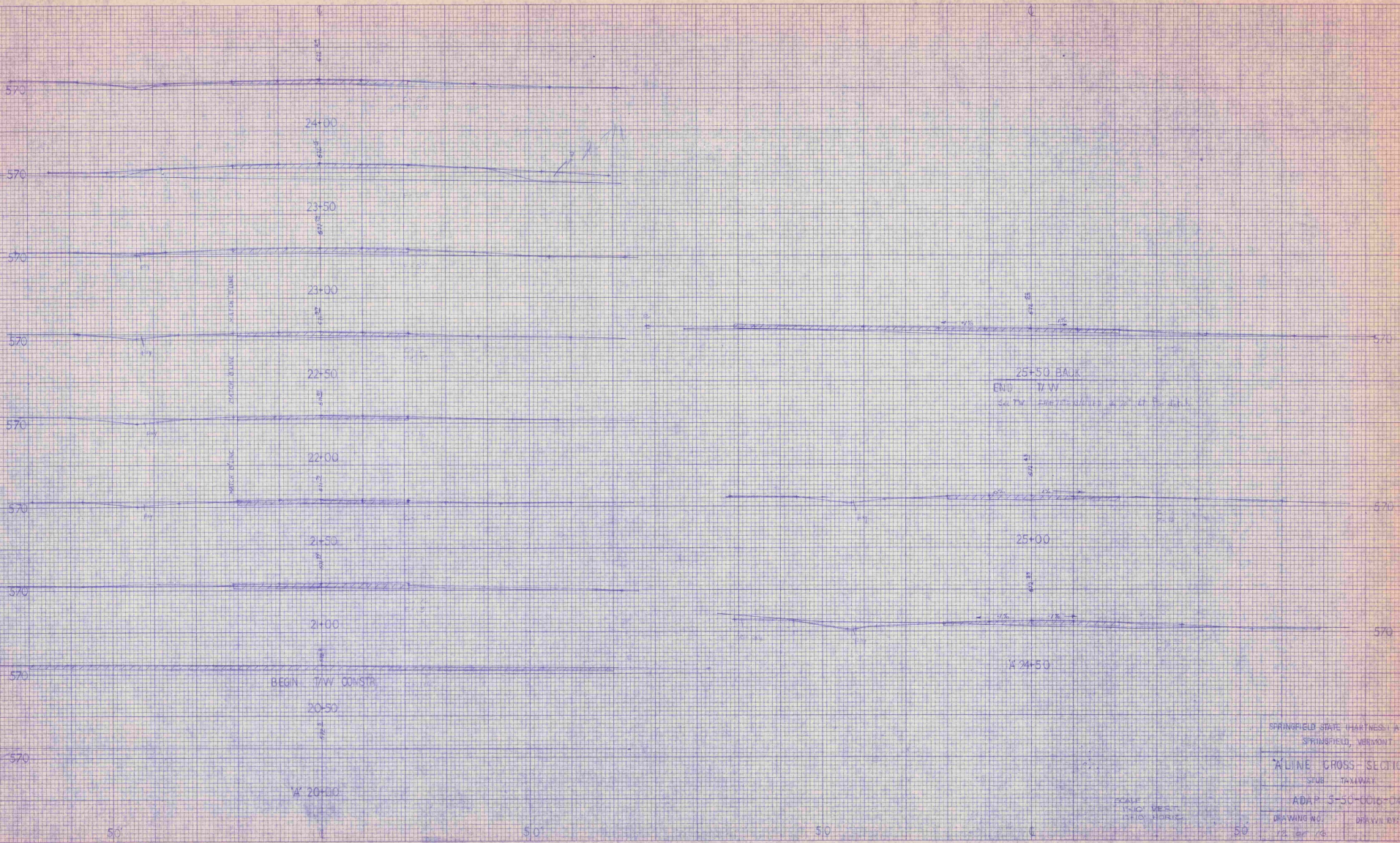
EARTHWORK SUMMARY

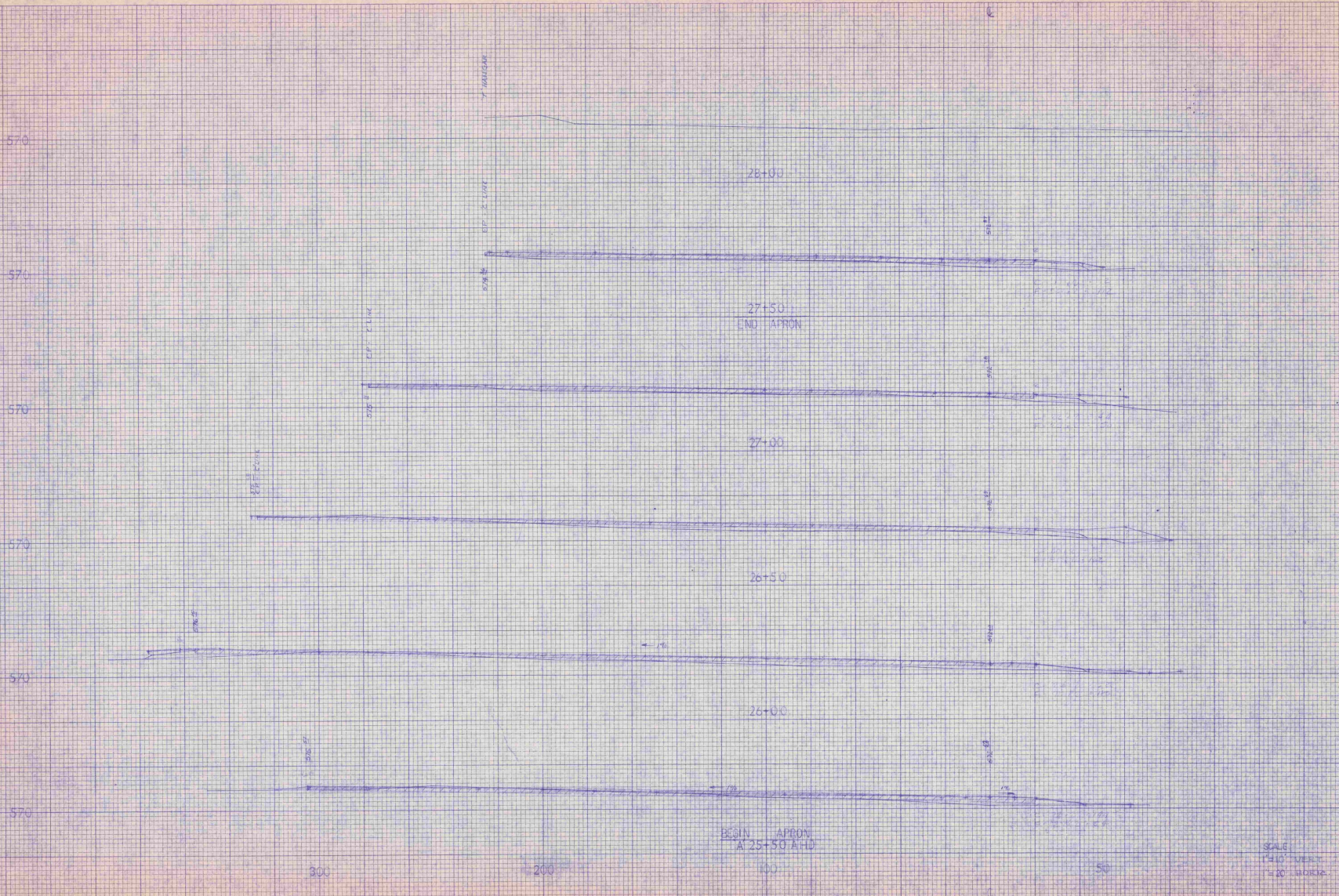
V.C.	% GRADE	GRADES		TOTAL EXCAVATION EARTH AND ROCK				EMBANKMENT				BASE				
		STATION	ELEVATION ON TANGENT ON V. CURVES	CORR. V.C.	DIST.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.			
40.100%	-0.00%	30+00	572.80		0											
		+50	572.80	571.00	0	116										
		31+00	571.70	571.70	10.00		116									
		+50	571.70	571.70	0	10										
		32+00	571.50			10	26									
		+50	571.50			2	18									
		33+00	572.06			0	2									
		+50	572.15			0	0									
		34+00	572.24			0	23									
		+50	572.33			0	30									
		35+00	572.43			0	43									
		+50	572.52			0	7									
		36+00	572.60			0	0									
		+50	572.69			0	48									
		37+00	572.78			0	52									
+50	572.87			0	59											
38+00	572.97			0	78											
+50	573.00			0	104											
Line A																
39+00 572.80																
+50 572.72																
40+00 572.70																
+50 572.61																
41+00 572.58																
+50 572.48																
42+00 572.48																
+50 572.38																
43+00 572.38																
+50 572.28																
44+00 572.28																
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SPRINGFIELD STATE (HARTNESS) AIRPORT SPRINGFIELD, VERMONT	
"A" LINE CROSS-SECTIONS STUB TAXIWAY	
ADAP 5-50-0016-04	
DRAWING NO. 12 OF 16	DRAWN BY:

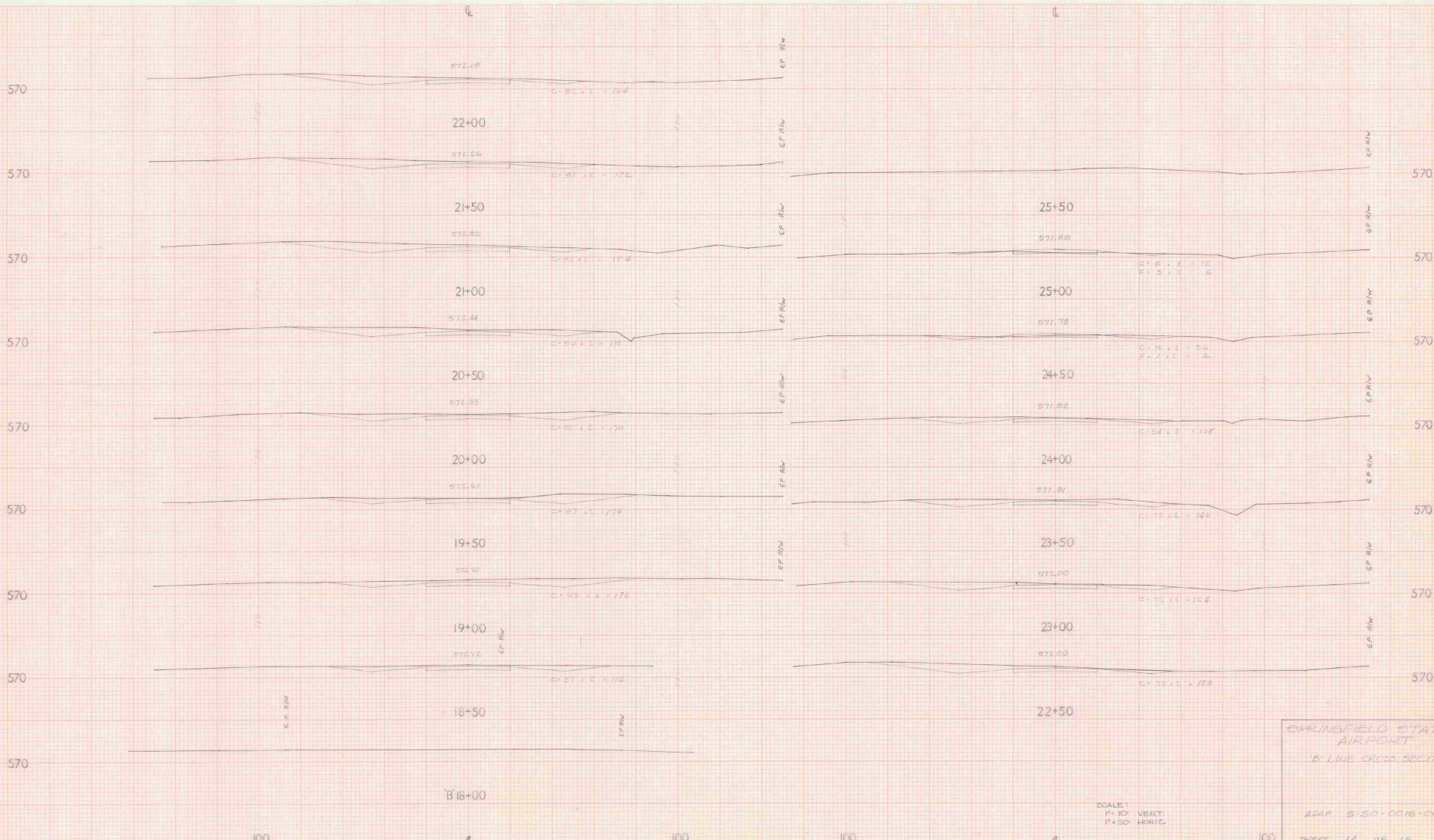
SCALE:
1/4" VERT.
1" = 10' HORIZ.





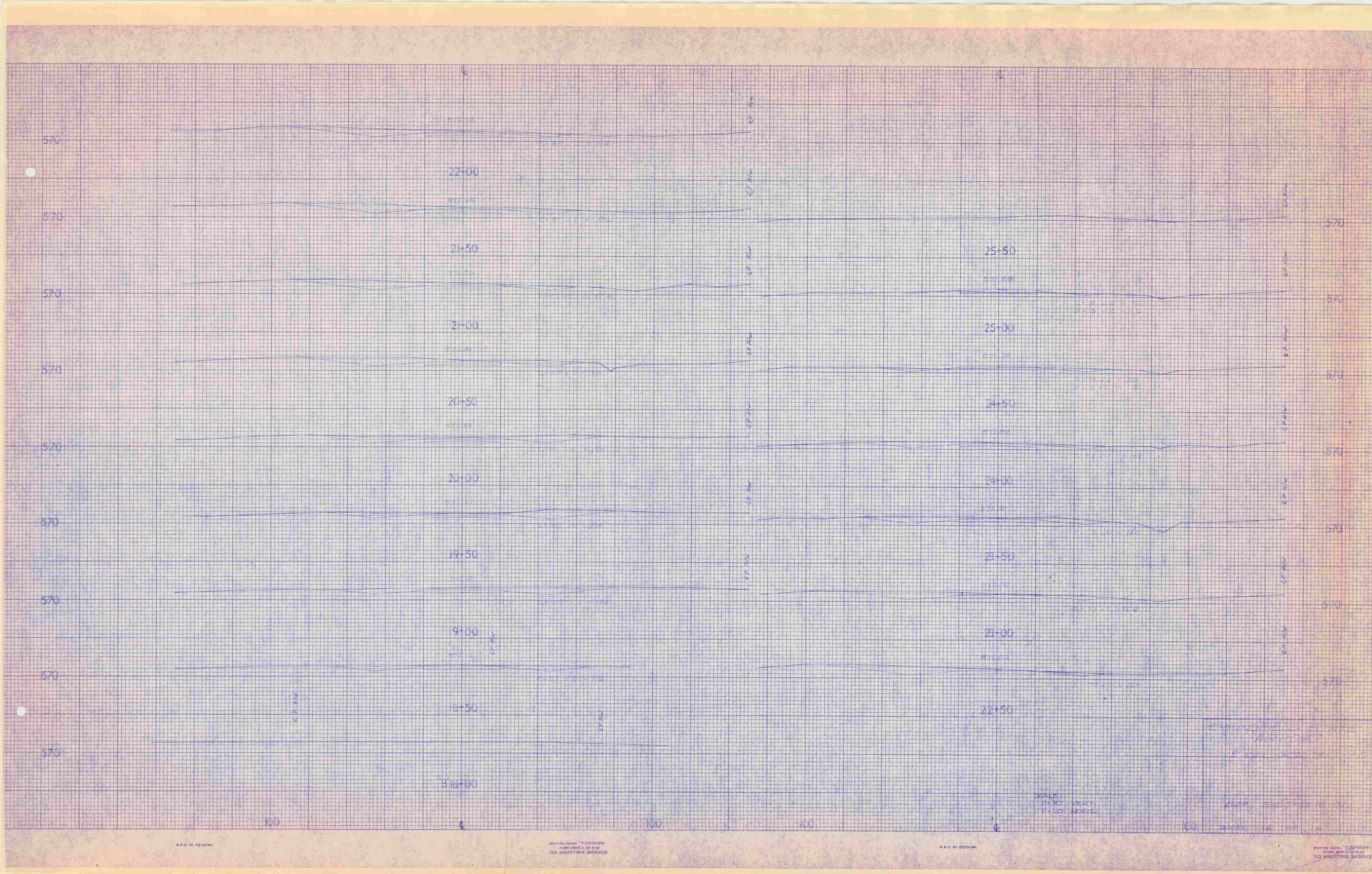
SPRINGFIELD STATE (HARTLESS) AIRPORT
SPRINGFIELD, MISSOURI
X-LINE CROSS SECTIONS
APRIL 5, 1950
DRAWING NO. 13 OF 20
DRAWN BY

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



SPRINGFIELD STATE AIRPORT
 'B' LINE CROSS SECTIONS
 ADAP 5-50-0016-C4
 SHEET 14 OF 16

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



ENGINEERS

REBERT, ARCHITECTS

SCALE

1" = 100'

VERTICAL SCALE

AS SHOWN

28:00

28:50

24:00

24:50

25:00

25:50

21+50

22+00

18+50

19:00

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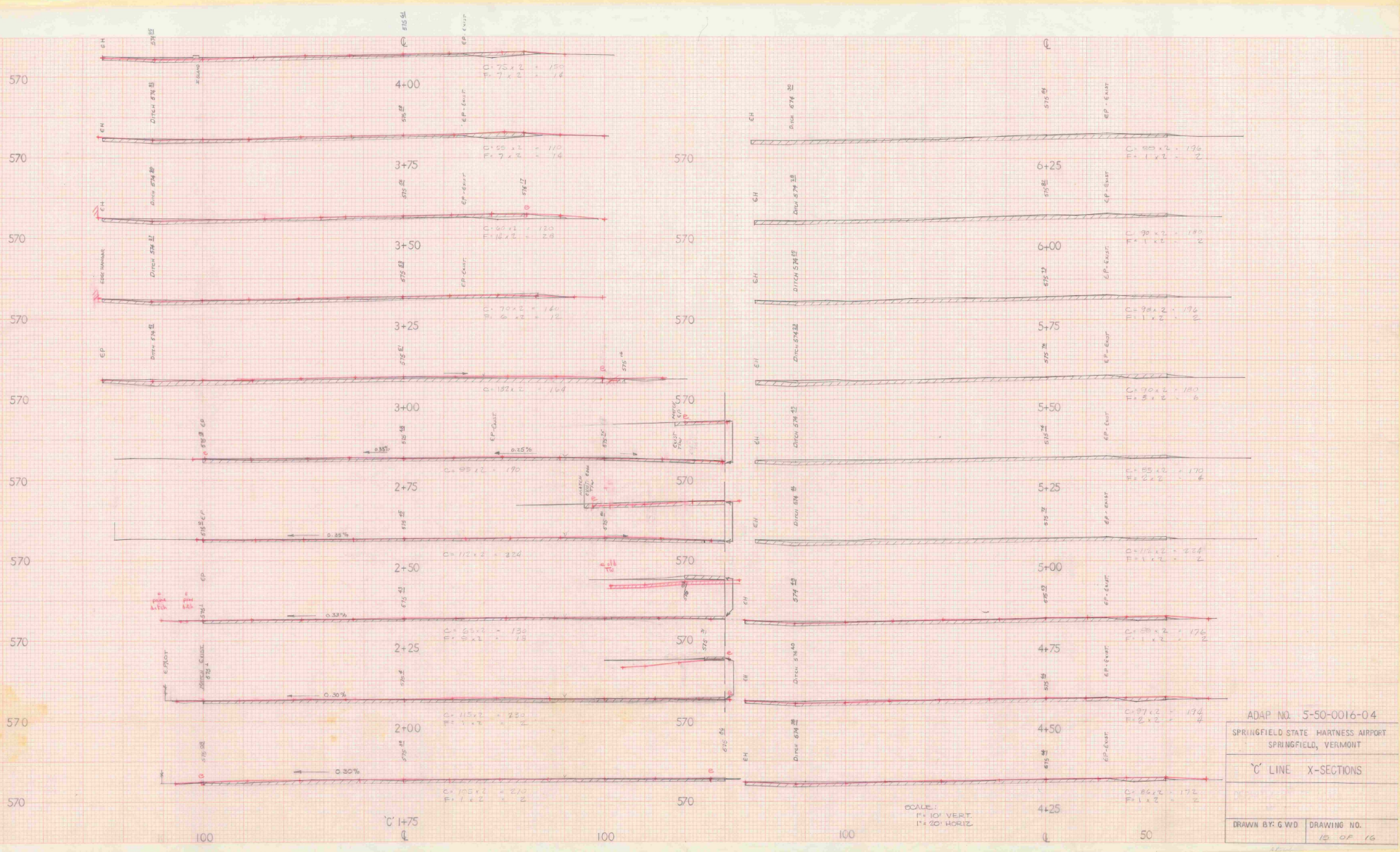
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ENGINEERS



ADAP NO. 5-50-0016-04
 SPRINGFIELD STATE HARTNESS AIRPORT
 SPRINGFIELD, VERMONT

C' LINE X-SECTIONS

DRAWN BY: G.W.D. DRAWING NO. 15 OF 16

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100

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+00
DESIGN CONSTRUCTION
(GREEN SECTION)

650

675

682

SPRINGFIELD STATE AIRPORT
SPRINGFIELD, VERMONT
LONGITUDINAL CROSS SECTIONS

DRAWING NO. 74-1067-78
DRAWN BY G.W.D.

SCALE 1" = 10' VERT.
1" = 100' HORIZ.

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

**VERMONT AGENCY OF TRANSPORTATION
PLANNING DIVISION**