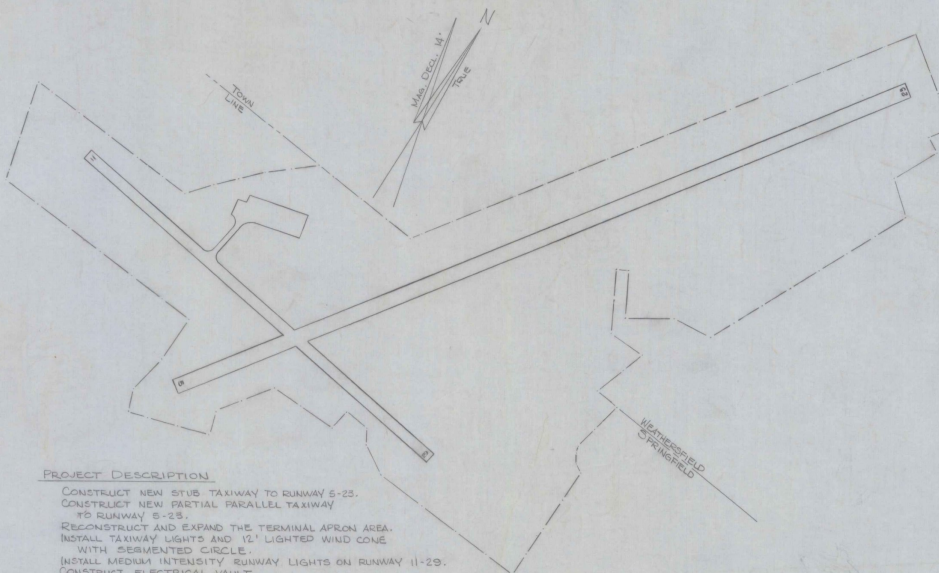
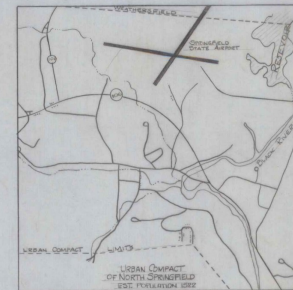
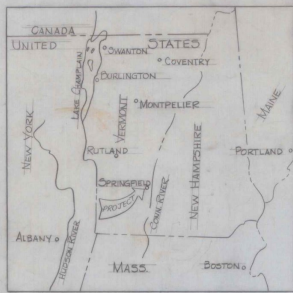


SPRINGFIELD STATE AIRPORT SPRINGFIELD, VERMONT

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



PROJECT DESCRIPTION

CONSTRUCT NEW SYUB 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 SEGMENTED 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 LOG
10. QUANTITY SHEET
11. EARTHWORK SUMMARY
- 12-16. CROSS SECTIONS

REVISIONS	
DESCRIPTION	DATE

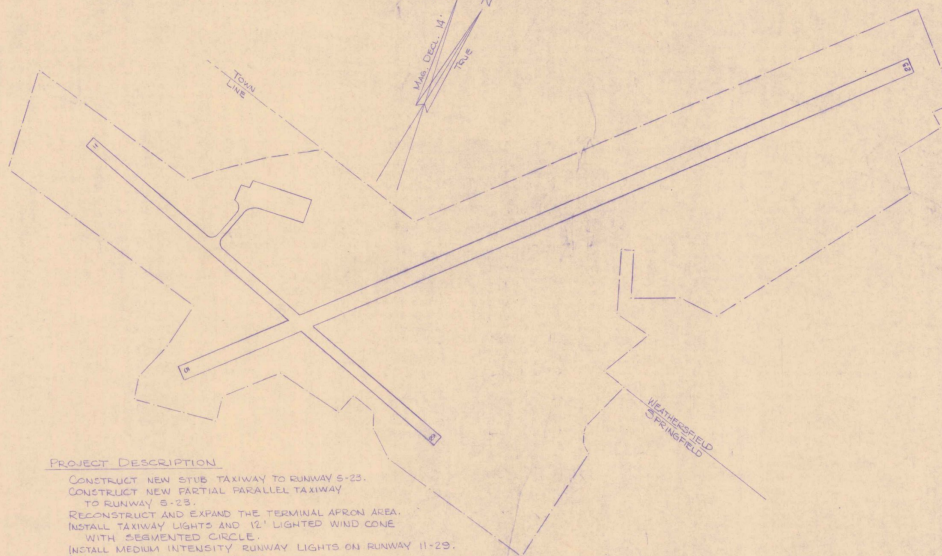
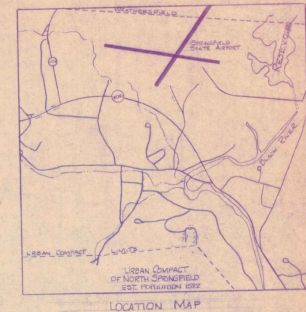
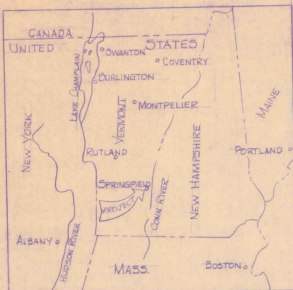
AS BUILT PLANS
 I hereby certify that all the construction
 required by this set of drawings has been
 accomplished as indicated herein.
 By Howard P. Robbins, Resident Engineer
 Date 8/09/81

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD
 APPROVED W. J. Gagne 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 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 12' LIGHTED WIND CONE WITH SEGMENTED CIRCLE.
- INSTALL MEDIUM INTENSITY RUNWAY LIGHTS ON RUNWAY 11-29.
- CONSTRUCT ELECTRICAL VAULT.

INDEX OF SHEETS

1. TITLE PAGE
2. PROJECT LAYOUT
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4. ELECTRICAL VAULT
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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

CONTRACT "A"

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

CONTRACT "B"

These plans have been reviewed and are acceptable to the FAA.
James D. Doherty 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. Scarsa*, Resident Engineer
 Date 6/19/82

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED *J. J. Gage* DATE 7-21-78
 CHIEF OF ENGINEERING AND CONSTRUCTION

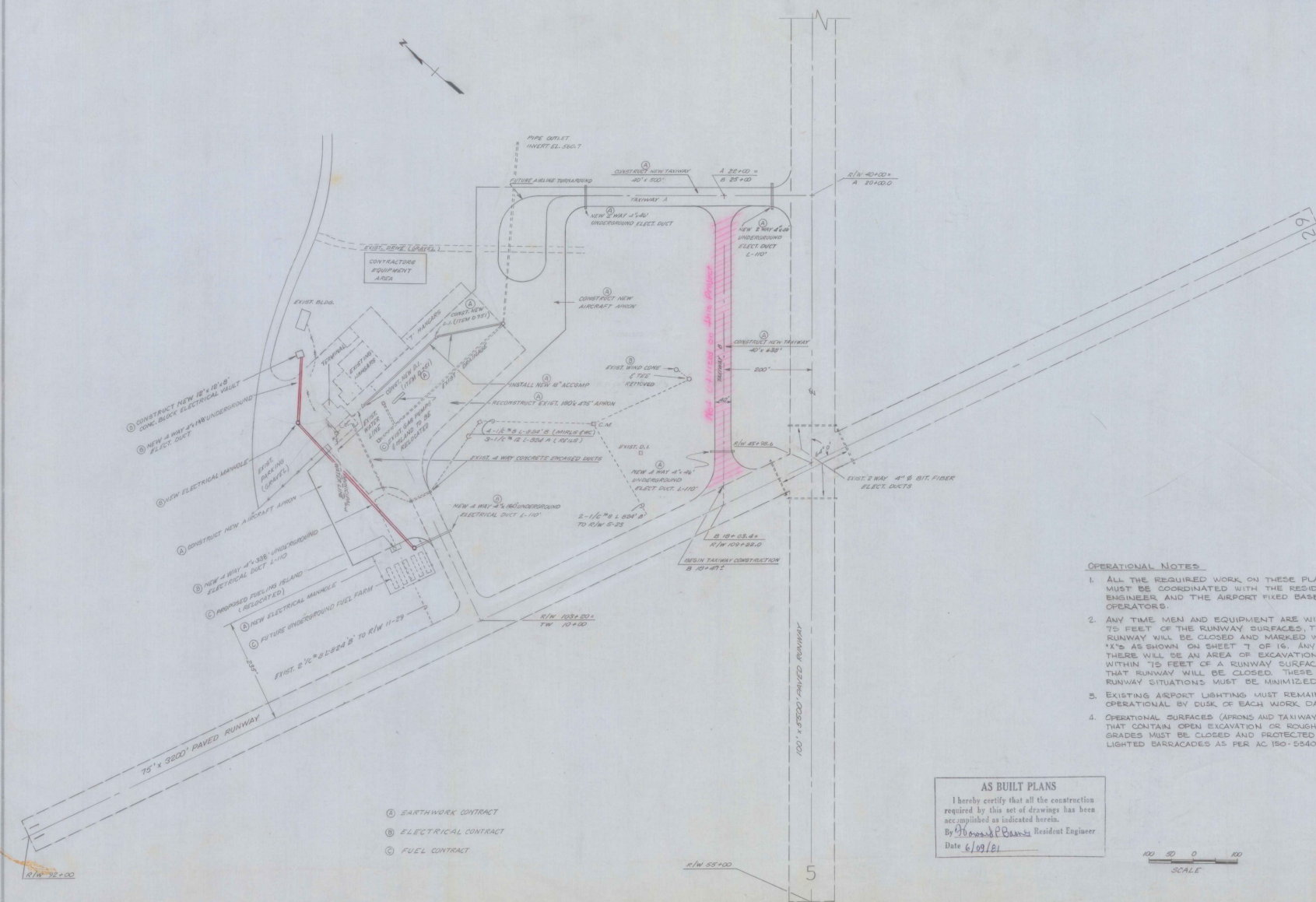
DEPARTMENT OF TRANSPORTATION
 FEDERAL AVIATION ADMINISTRATION

APPROVED _____ DATE _____
 CHIEF ENGINEERING BRANCH
 AIRPORTS DIVISION

PROJECT ADAP NO. 5-50-0016-04

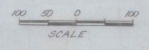
SHEET 1 OF 16 SHEETS

ADAP 5-50-0016-03
 APR 14 1980
 APR 5-50-0016-04
 APR 21 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 75 FEET OF THE RUNWAY SURFACES, THAT RUNWAY WILL BE CLOSED AND MARKED WITH 'X's AS SHOWN ON SHEET 7 OF 16. 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 DUSK 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 150-5540-1D.

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 6/09/01



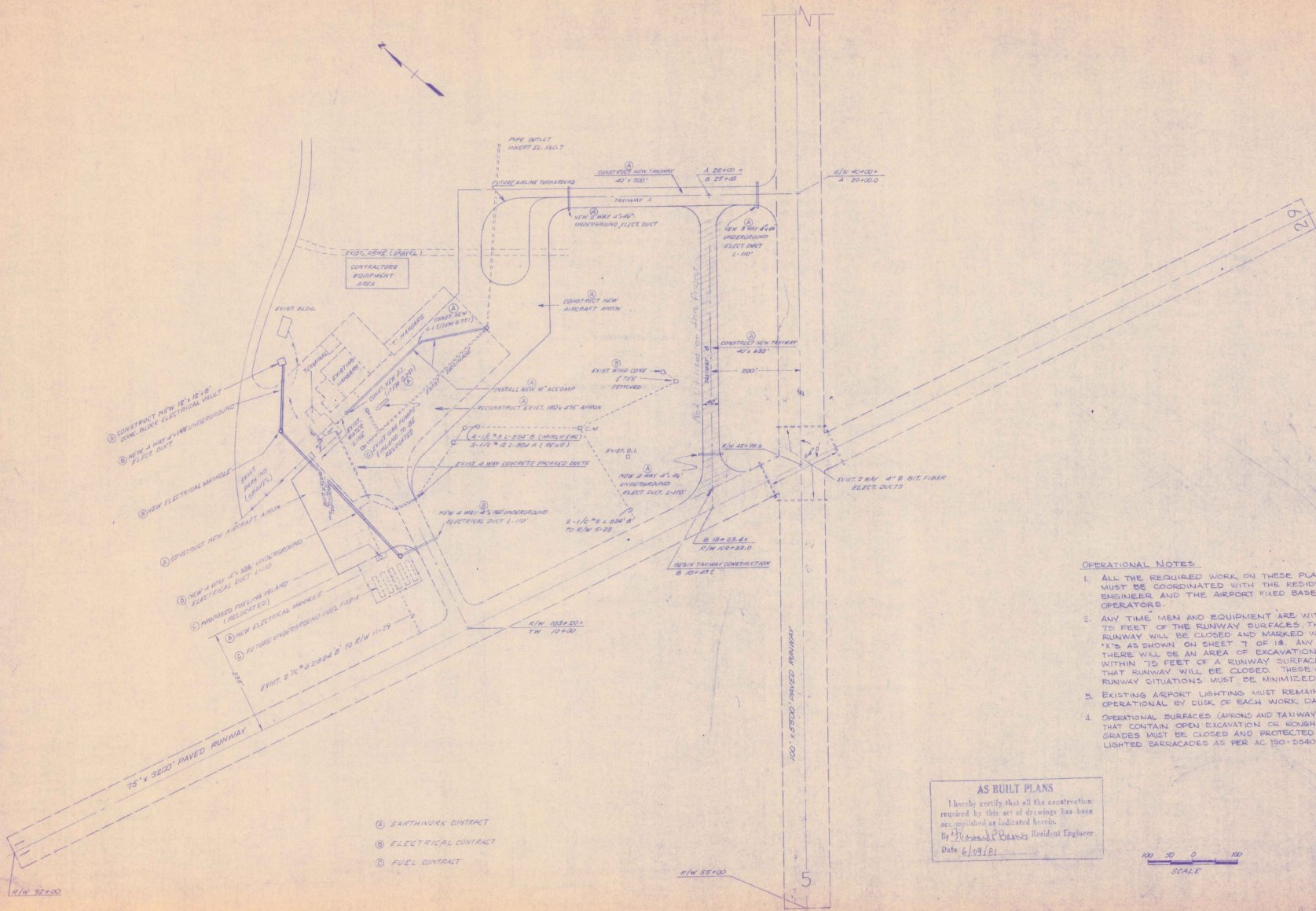
SURVEYED BY	DATE
DRAWN BY <i>M.S.B.</i>	DATE
TRACED BY	DATE
PROJECT LAYOUT	
PROJ ADAP NO 5-50-0016-04	
SHEET 2 OF 16	

- ⓐ EARTHWORK CONTRACT
- ⓑ ELECTRICAL CONTRACT
- ⓒ FUEL CONTRACT

R/W 32+00

R/W 55+00

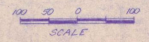
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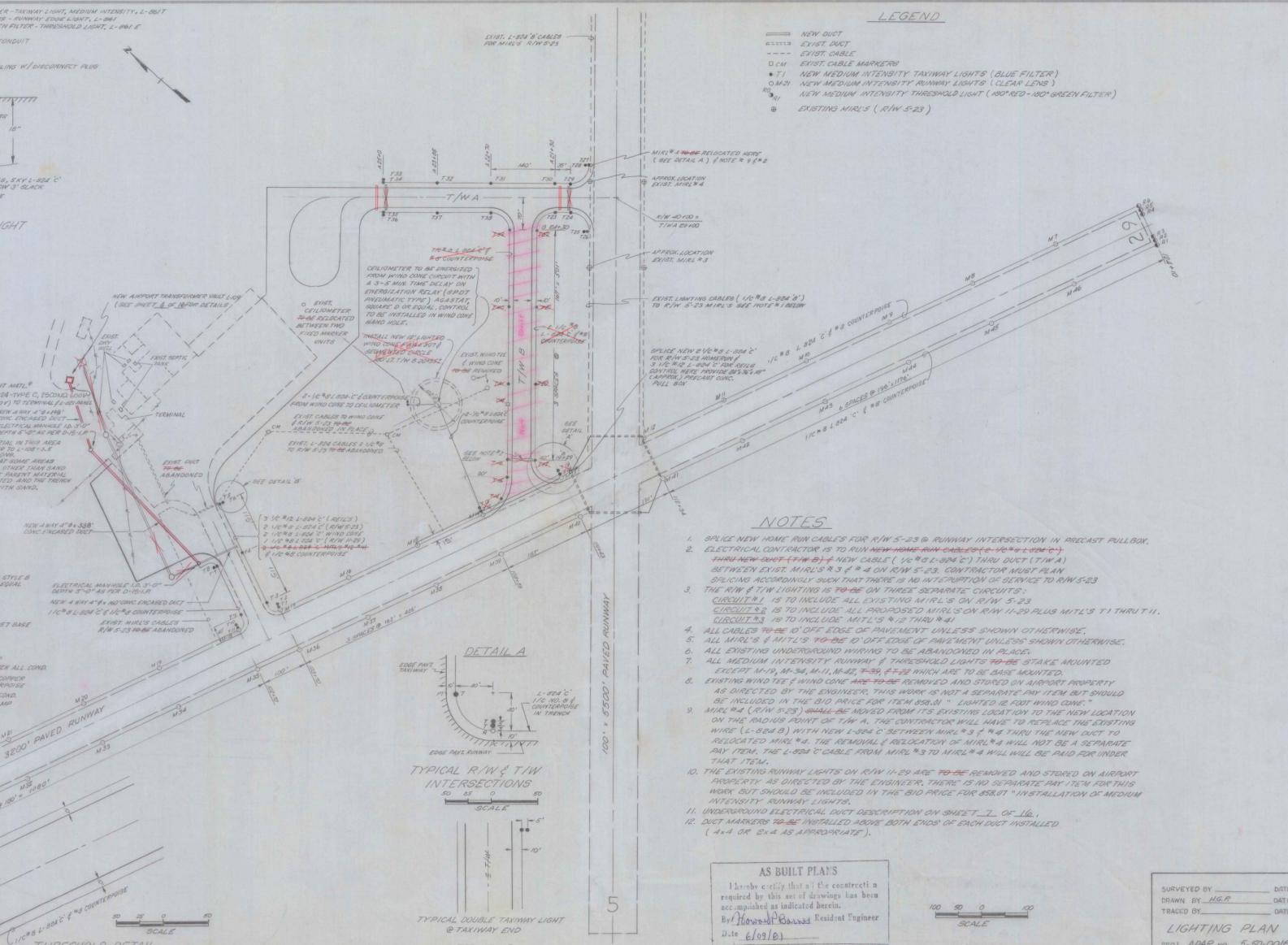
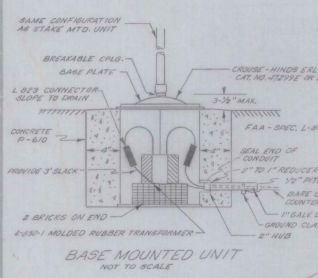
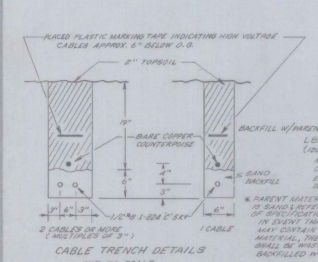
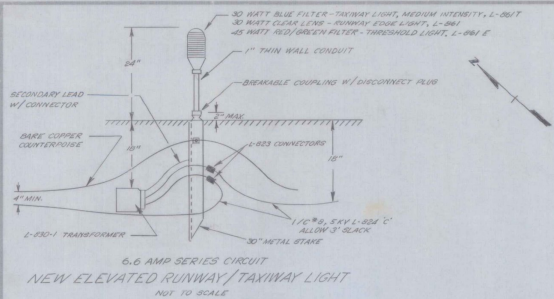
- ① EARTHWORK CONTRACT
- ② ELECTRICAL CONTRACT
- ③ FUEL CONTRACT

- 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 150-5340-1-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 6/09/21



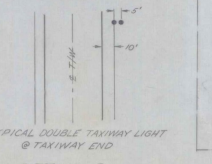
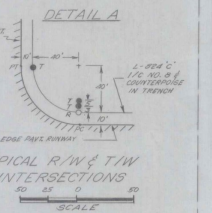
SURVEYED BY	DATE
DRAWN BY <u>MEB</u>	DATE
TRACED BY	DATE
PROJECT LAYOUT	
PROJ. ADAP. NO. <u>5-90-0016-01</u>	
SHEET <u>2</u> OF <u>16</u>	



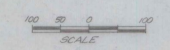
LEGEND

- 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)

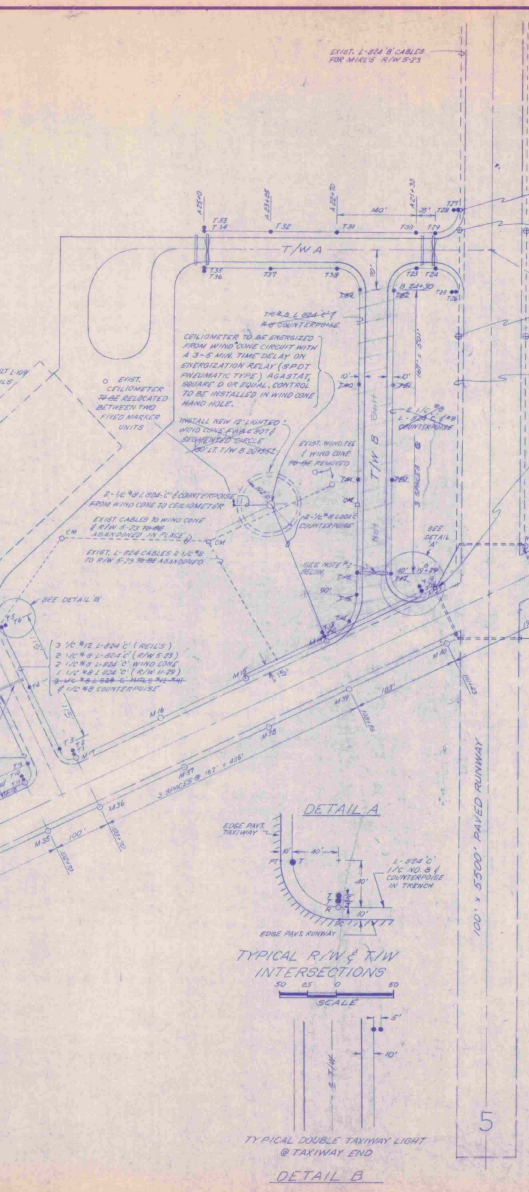
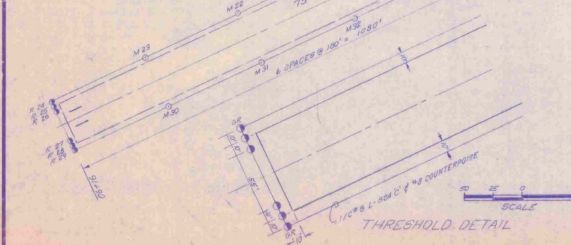
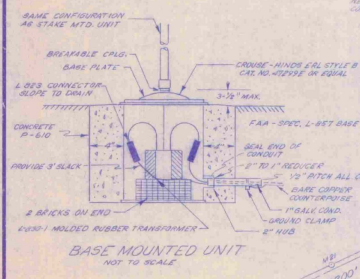
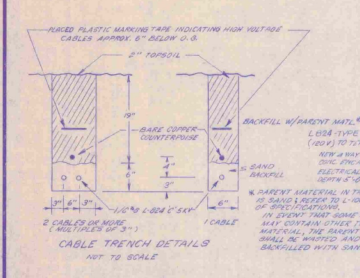
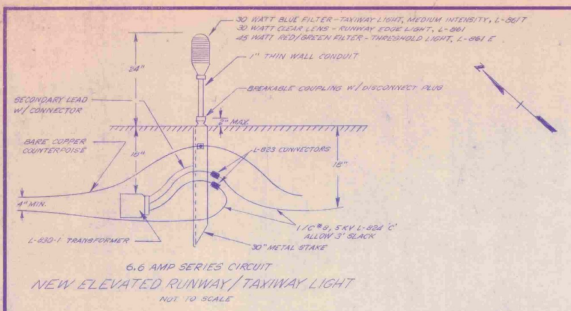
- NOTES**
1. SPlice NEW HOME RUN CABLES FOR R/W 5-23 @ RUNWAY INTERSECTION IN PRECAST PULLBOX.
 2. ELECTRICAL CONTRACTOR IS TO RUN NEW HOME RUN CABLES (1/2" x 1/2" x 1/2") THRU DUCT (T/W A) BETWEEN EXIST. MRL'S #3 & #4 ON R/W 5-23. CONTRACTOR MUST PLAN SPlicing ACCORDINGLY SUCH THAT THERE IS NO INTERRUPTION 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 MRL'S ON R/W 5-23.
CIRCUIT #2 IS TO INCLUDE ALL PROPOSED MRL'S ON R/W 5-23 PLUS MTL'S T1 THRU T11.
CIRCUIT #3 IS TO INCLUDE MTL'S M12 THRU M41.
 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 TAXIWAY & THRESHOLD LIGHTS TO BE STAKE MOUNTED EXCEPT M15, M-34, M11, M42, T-35 & T-29 WHICH ARE TO BE BASE 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 550.01 "LIGHTED 12 FOOT WIND CONE".
 9. MRL #4 (R/W 5-23) SHALL BE MOVED FROM ITS EXISTING LOCATION TO THE NEW LOCATION ON THE RADIAL POINT OF T/W A. THE CONTRACTOR WILL HAVE TO RELOCATE THE EXISTING WIRE (L-884 C) WITH NEW L-884 C BETWEEN MRL #3 & #4 THRU THE NEW DUCT TO RELOCATE MRL #4. THE REMOVAL & RELOCATION OF MRL #4 WILL NOT BE A SEPARATE PAY ITEM. THE L-884 C CABLE FROM MRL #3 TO MRL #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 550.01 "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 6" x 4" AS APPROPRIATE).



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



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



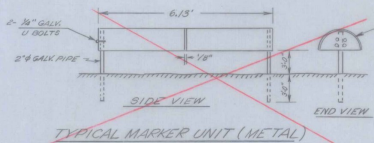
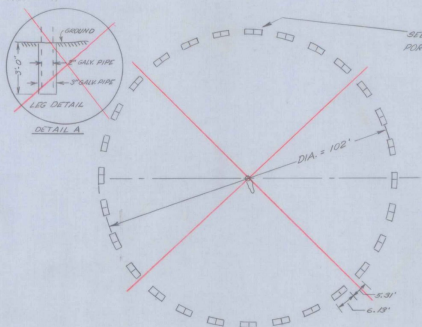
LEGEND

---	NEW DUCT
----	EXIST. DUCT
---	EXIST. CABLE
---	EXIST. CABLE MARKING
□	NEW MEDIUM INTENSITY TAXIWAY LIGHTS (BLUE FILTER)
□	NEW MEDIUM INTENSITY RUNWAY LIGHTS (CLEAR LENS)
□	NEW MEDIUM INTENSITY THRESHOLD LIGHT (RED-RED-180 GREEN FILTER)
○	EXISTING MIALS (R/W S-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 (E-V-9 @ L-264 C) THRU NEW DUCT (T-W-A) & NEW CABLE (E-V-9 @ L-264 C) THRU DUCT (T-W-A) BETWEEN EXIST. MIALS #3 & #4 ON R/W 5-23. CONTRACTOR MUST PLAN SPACING ACCORDINGLY SUCH THAT THERE IS NO INTERFERENCE 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 MIALS ON R/W 5-23. CIRCUIT #2 IS TO INCLUDE ALL PROPOSED MIALS ON R/W 11-29 PLUS MIALS #1 THRU #11. CIRCUIT #3 IS TO INCLUDE MIALS #12 THRU #41.
 4. ALL CABLES TO BE 1' OFF EDGE OF PAVEMENT UNLESS SHOWN OTHERWISE.
 5. ALL MIALS & MIALS 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 MIALS #1, #2, #4, #11, #42, #43, #44, #45, #46, #47, #48, #49, #50, #51, #52 WHICH ARE TO BE BASE 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 888.11 "LIGHTED 12 FOOT WIND CONE."
 9. EXISTING WIND TEE & WIND CONE 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 EBOT "INSTALLATION OF MEDIUM INTENSITY RUNWAY LIGHTS."
 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 EBOT "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"x4" OR 6"x4" AS APPROPRIATE).

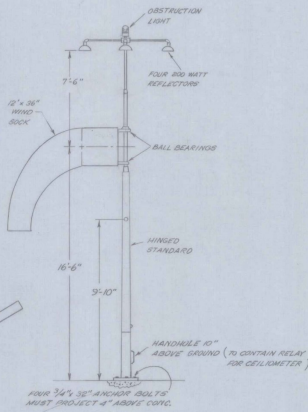
AS BUILT PLANS
 The electric utility contractor is required by this set of drawings to be as shown as indicated herein.
 By: *[Signature]*
 Date: 6/15/16

SURVEYED BY	DATE
DRAWN BY M.E.P.	DATE
TRACED BY	DATE
LIGHTING PLAN	
PROJ. APPR. NO. 5500-0016-04	
SHEET 3 OF 16	

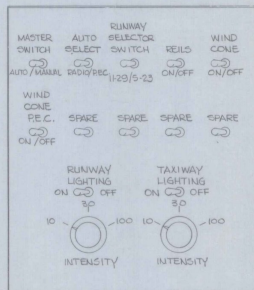
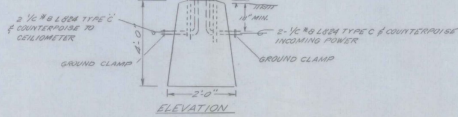
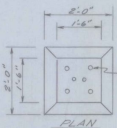


STANDARD 55 GAL. METAL DRUM CUT IN HALF AND WELDED END TO END AND PAINTED AS FOLLOWS:
 1. EXTERIOR WHITE ANTI-REFLECTANT
 2. INTERIOR AVIATION AEROLAC LACQUER
 SWISSER BRONZE OR ORANGE
 * 502-14 OR EQUAL
 3. 40 COAT 1" FILTER PAPER OR EQUAL PRIOR TO PAINTING.
 THE SURFACES SHALL BE THOROUGHLY CLEANED 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. 48310 A OR EQUAL



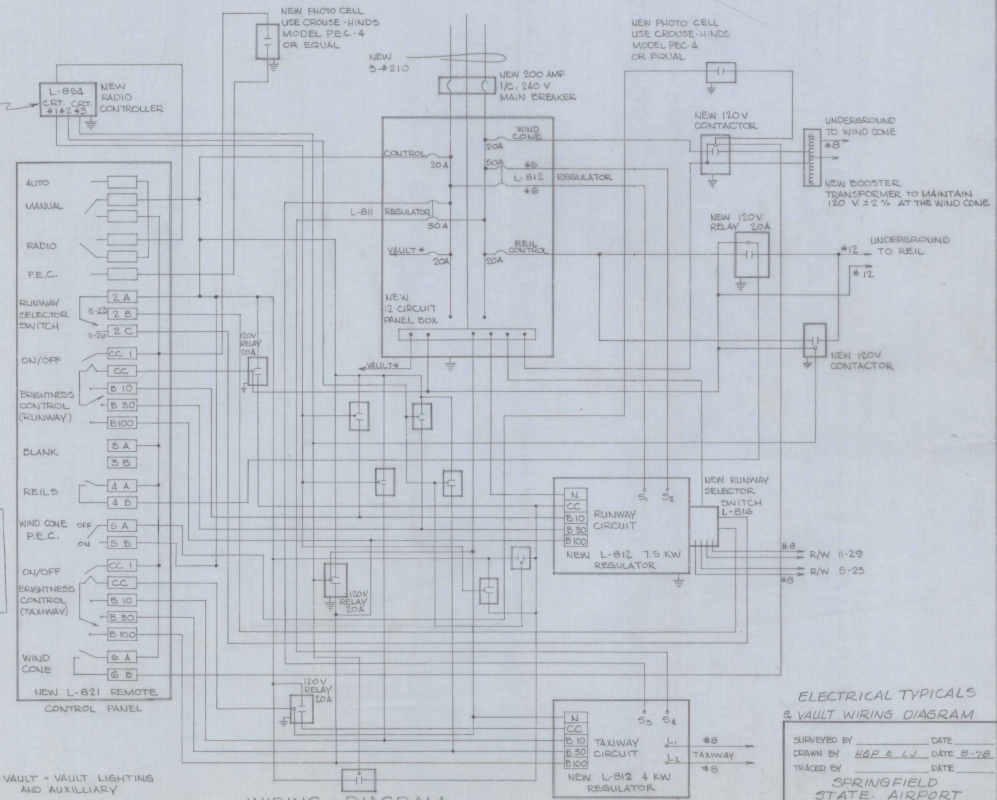
AIRPORT LIGHTING CONTROL PANEL

AS BUILT PLANS

I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
 By *Howard P. Beers* Resident Engineer
 Date *6/10/69*

NOTES

1. MOUNT NEW PHOTOCELL ON NORTH SIDE OF NEW ELECTRICAL VAULT.
2. NEW L-812 AND L-816 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. *AND SUPPLIED BY NEW VAULT*
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 150-5840-49 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 CEILIMETER READING AT THE LOCATION INDICATED BY THE F.S.O.



WIRING DIAGRAM

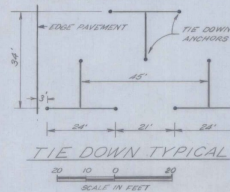
ELECTRICAL TYPICALS & VAULT WIRING DIAGRAM

SUPERVISED BY _____ DATE _____
 DRAWN BY *HGP S L V* DATE *8-78*
 TRACED BY _____ DATE _____
 SPRINGFIELD STATE AIRPORT
 PROJ. ADAP NO. 5-50-0016-04
 SHEET 5 OF 18

NOTES

1. EXISTING CONTOURS & DESIGN CONTOURS ARE APPROXIMATELY THE SAME.
2. EXISTING D.I.'S TO BE ADJUSTED TO GRADE.
3. ITEM 601.55 IS 18" DIA. ACCORD TO INCLUDE TRENCH EXCAV., INSTALLATION & BACK-FILL.

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



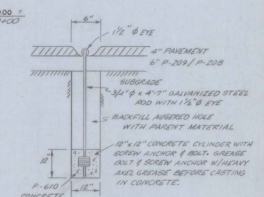
LEGEND

- ITEM 202.14
- LIMITS OF CONSTRUCTION

SEE BUTT JOINT DETAIL
SHEET 7 OF 16

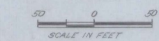
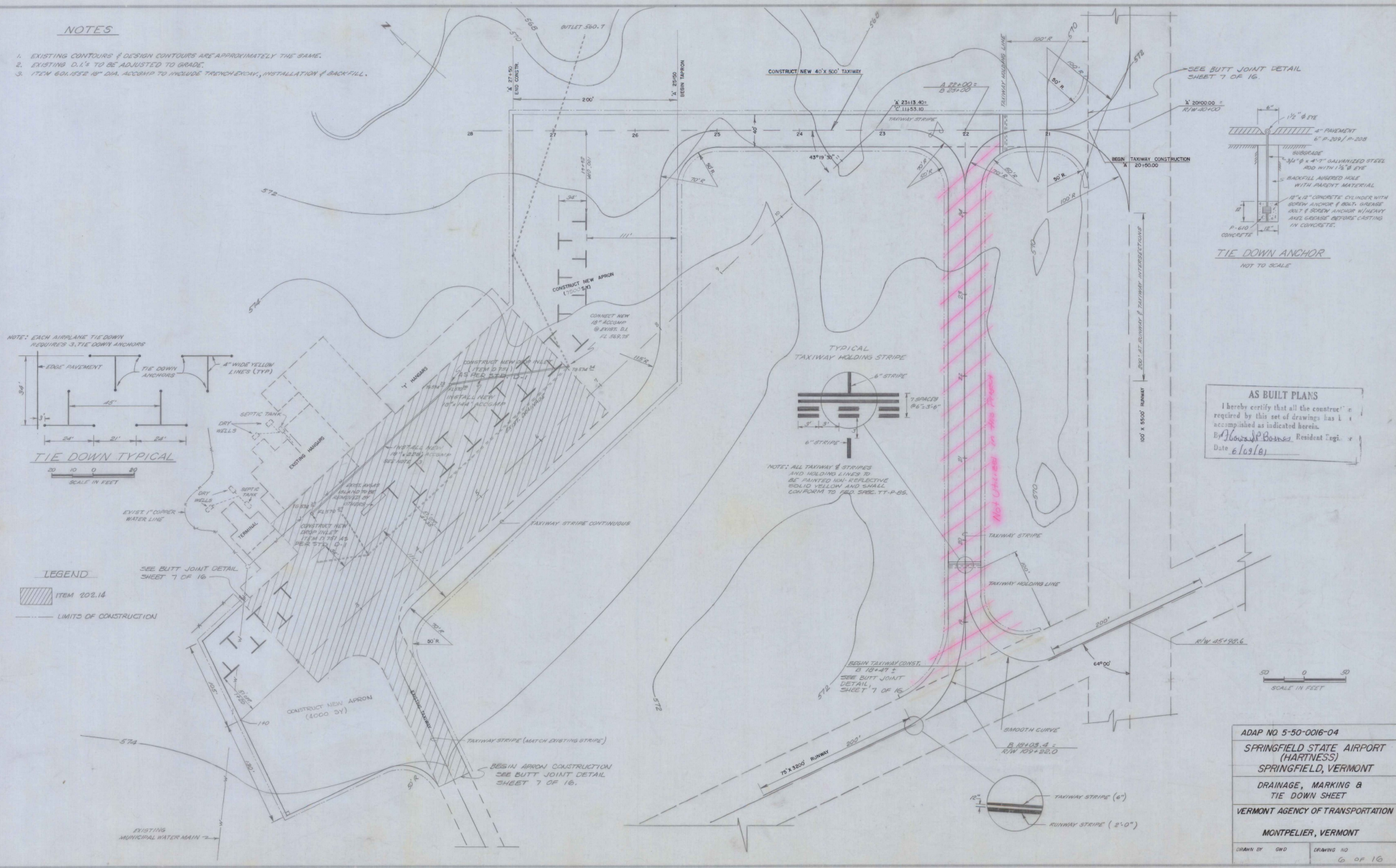
EXISTING
MUNICIPAL WATER MAIN

SEE BUTT JOINT DETAIL
SHEET 7 OF 16



TIE DOWN ANCHOR
NOT TO SCALE

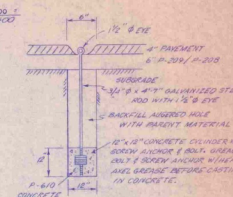
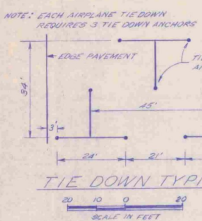
AS BUILT PLANS
I hereby certify that all the constructⁿ
required by this set of drawings has been
accomplished as indicated herein.
By: *[Signature]* Resident Eng^r
Date: 6/03/84



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 DVD DRAWING NO 6 OF 16

NOTES

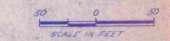
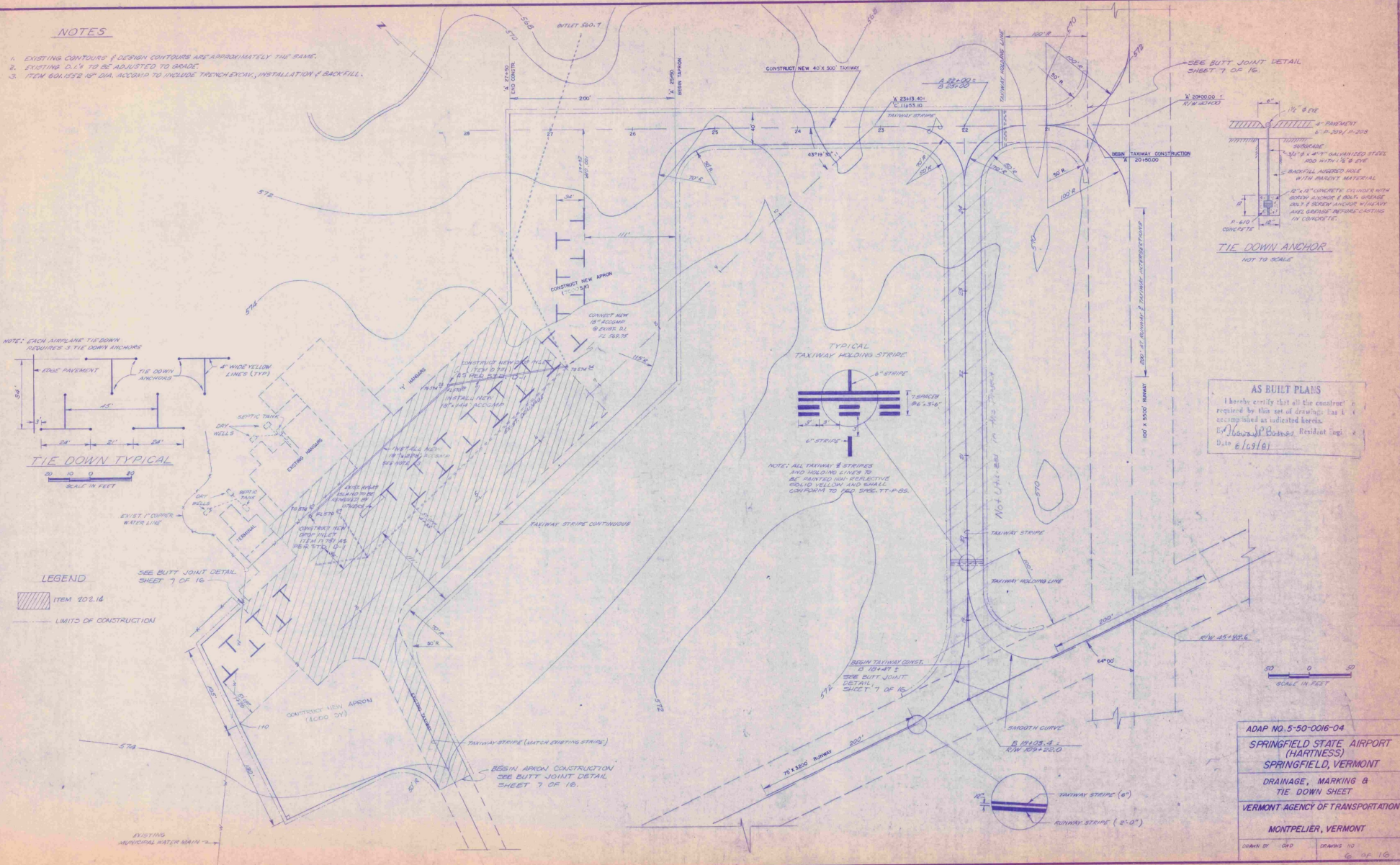
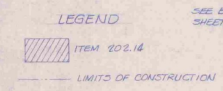
- EXISTING CONTOURS & DESIGN CONTOURS ARE APPROXIMATELY THE SAME.
- EXISTING D.I.V. TO BE ADJUSTED TO GRADE.
- ITEM 601.052 1/2" DIA. ACCORDING TO INCLUDE TRENCHES, INSTALLATION & BACK-FILL.



AS BUILT PLANS

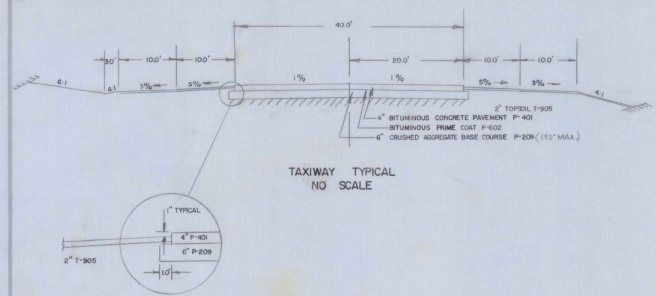
I hereby certify that all the construction required by this set of drawings has been completed as indicated herein.

By: *James J. Boland*, Resident Eng.
Date: 6/25/61

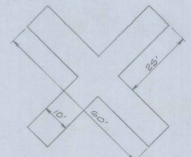


ADAP NO. 5-50-0016-04
SPRINGFIELD STATE AIRPORT (HARTNESS)
 SPRINGFIELD, VERMONT
 DRAINAGE, MARKING & TIE-DOWN SHEET
 VERMONT AGENCY OF TRANSPORTATION
 MONTPELIER, VERMONT

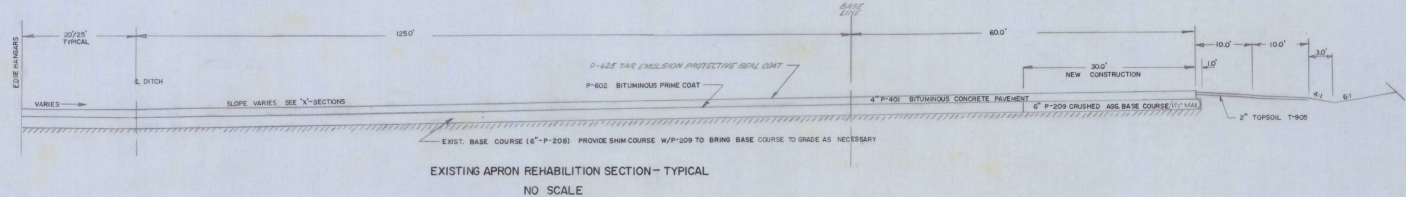
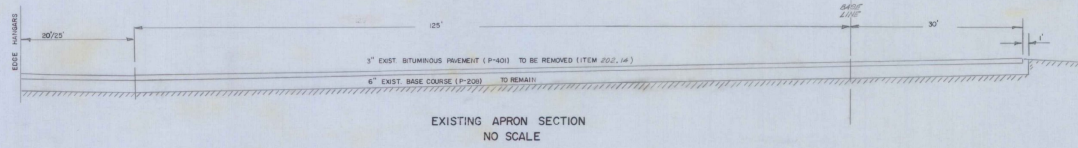
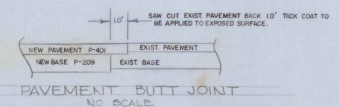
DATE OF 04D DRAWING 10 OF 10



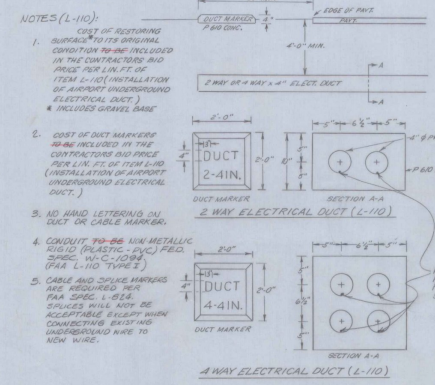
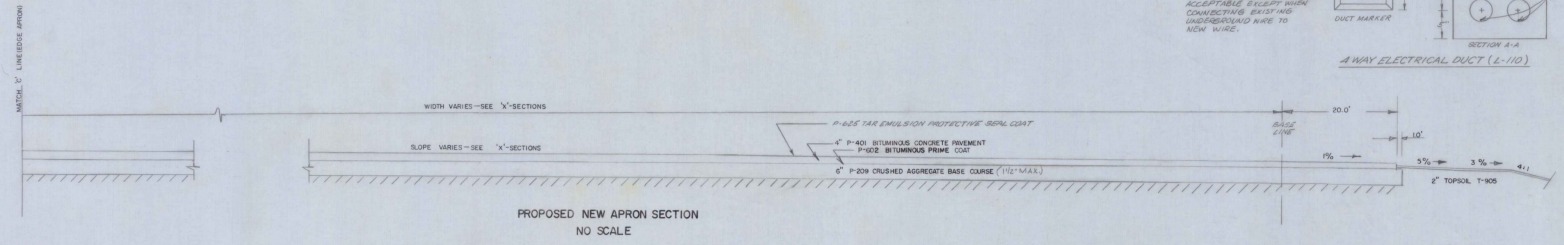
THE CONTRACTOR WILL BE RESPONSIBLE FOR PROPERLY PLACING AND ANCHORING THESE 'X'S. THERE IS NO SEPARATE PAYMENT FOR THE 'X'S.



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

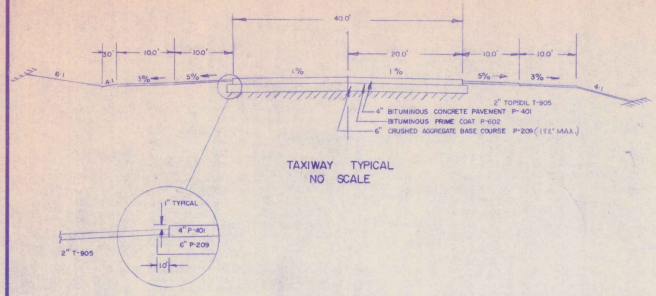


- NOTES
1. COMPACT SUBGRADE AS PER FAA P-152 B T-61
 2. TOPSOIL STRIPPED FROM NEW CONSTRUCTION TO BE STOCKPILED AND REUSED AS NEEDED; REFER TO ITEM P-152-2.12. TOPSOILING UNDER P-152 IS NOT A SEPARATE PAY ITEM, BUT SHOULD BE INCLUDED IN THE BID PRICE FOR COMMON EXCAVATION
 3. ITEM P-625 TO BE APPLIED 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
CARRIAGE RED FESCUE 40
ALTA FESCUE 10
KEN SICKY BLUE 10
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 057.12 OF THE SPECIFICATIONS.

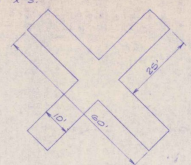


AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
By *H. J. P. P. P.* Resident Engineer
Date *6/09/81*

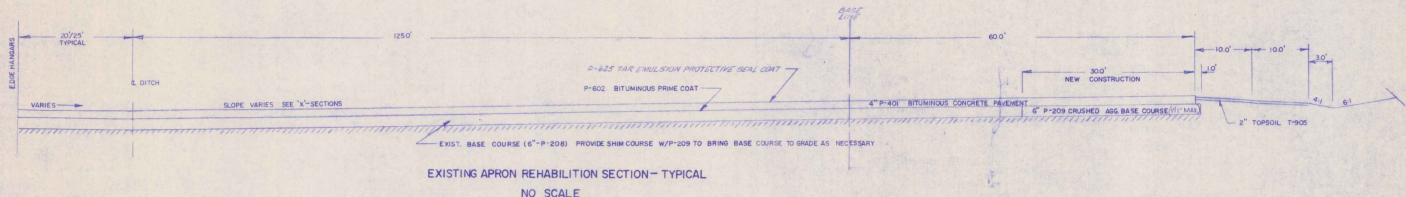
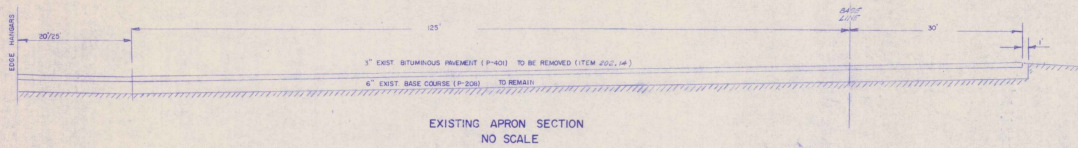
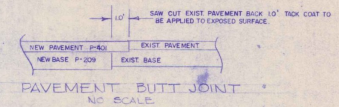
ADAP NO. 5-50-0016-04
SPRINGFIELD STATE AIRPORT
(HARTNESS)
SPRINGFIELD, VERMONT
TYPICAL SECTIONS
VERMONT AGENCY OF TRANSPORTATION
MONTPELIER, VERMONT
DRAWN BY *OND* DRAWING NO. *7 OF 10*



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'

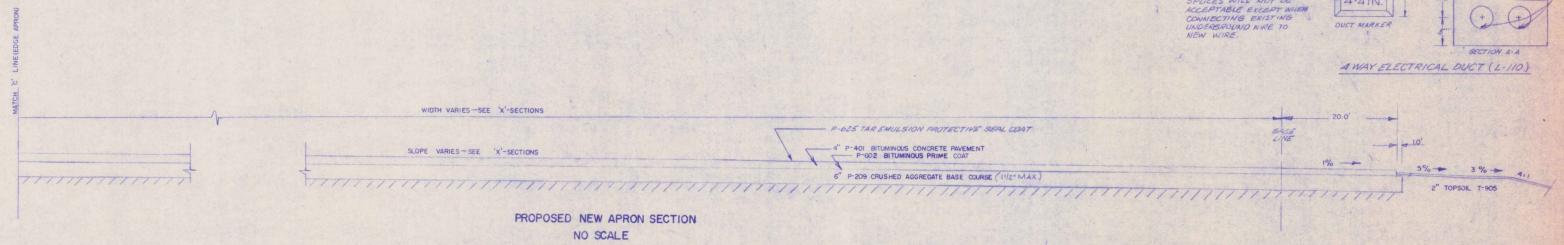
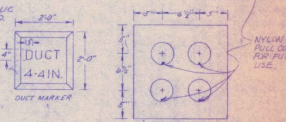
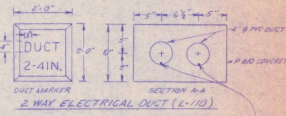
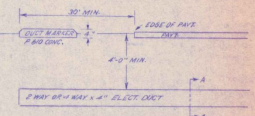


- NOTES
1. COMPACT SUBGRADE AS PER PAA P-152 & T-611
 2. TOPSOIL STRIPPED FROM NEW CONSTRUCTION TO BE STOCKPILED AND REUSED AS NEEDED. REFER TO ITEM P-151 S.I.E. TOPSOILING UNDER P-151 IS NOT A SEPARATE PAY ITEM, BUT SHOULD BE INCLUDED IN THE BID PRICE FOR COMMON EXCAVATION
 3. ITEM P-602 TO BE APPLIED BY GROW (MIN.) AFTER COMPLETION OF ITEM P-401
 4. ITEM G. ET. SEED, LIME & FERTILIZER
THE SEED MIXTURE SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
TYPE OF GRASS: % DIS

CRISPING AND FESCUE	40
ALFA DECOIS	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 0571.2 OF THE SPECIFICATIONS.

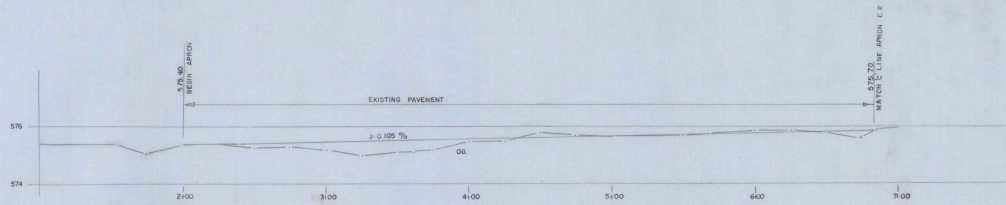
NOTES (L-110)

1. COST OF RESTORING SURFACE TO ITS ORIGINAL CONDITION SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE PER LINE FEET OF TOP AND (INSTALLATION OF AIRPORT UNDERGROUND ELECTRICAL DUCT)
2. COST OF DUCT MARKERS SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE PER LINE FEET OF TOP AND (INSTALLATION OF AIRPORT UNDERGROUND ELECTRICAL DUCT)
3. NO HAND LETTERING ON DUCT OR CABLE MARKER.
4. CONDUIT TO BE NEW METALLIC RIGID (PLASTIC - PVC) FIBER SPEC. W-CL-1000 (PAA L-110 TYPE I)
5. CABLE AND DUCT MARKERS ARE REQUIRED PER PAA SPEC. L-110. DETAILS WILL NOT BE ACCEPTABLE EXCEPT WHEN COMBINED WITH AND UNDERGROUND WIRE TO NEW WIRE.



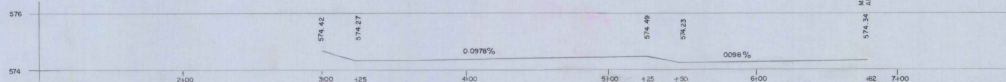
AS BUILT PLANS
I hereby certify that all the construction required by the set of above plans has been accomplished as indicated herein.
By: *[Signature]* Resident Engineer
Date: 6/19/81

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 10
D-8 OCT 14 1981



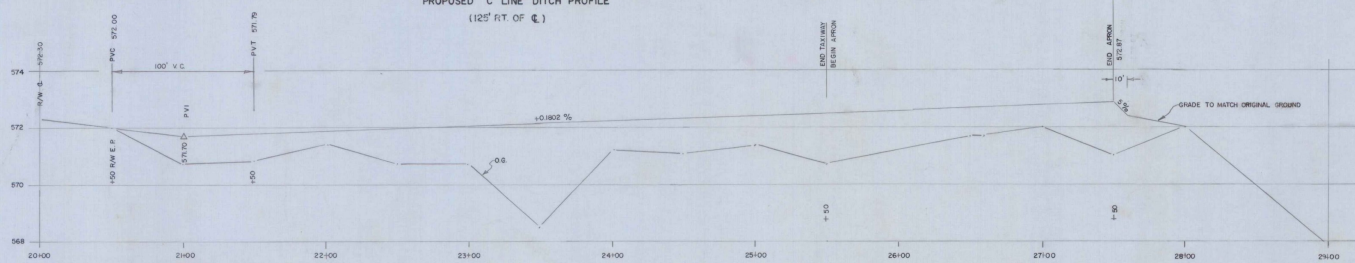
EXISTING APRON PROFILE
'C' LINE

SCALES
1" = 40' HORIZ
1" = 2' VERT



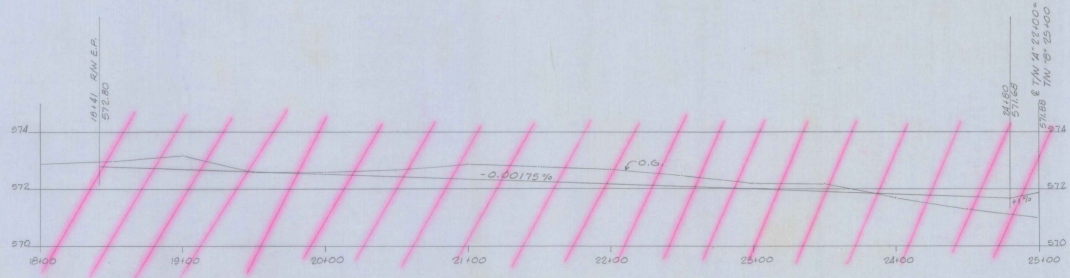
PROPOSED 'C' LINE DITCH PROFILE
(12' RT. OF C.)

SCALES
1" = 40' HORIZ
1" = 2' VERT



PROPOSED APRON & STUB TAXIWAY PROFILE
'A' LINE

SCALES
1" = 40' HORIZ
1" = 2' VERT

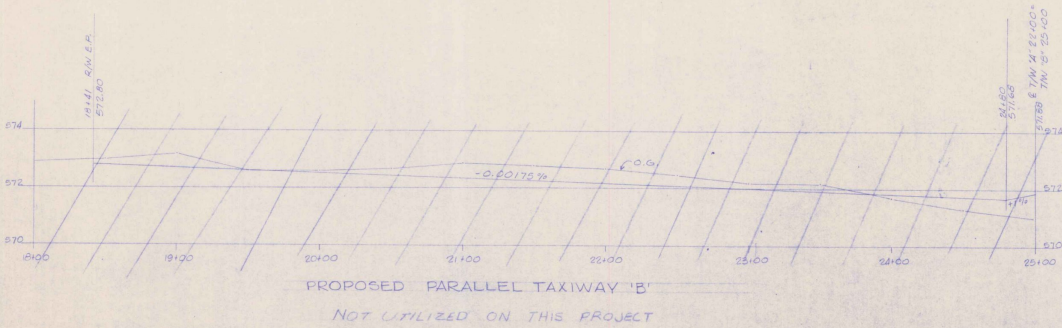
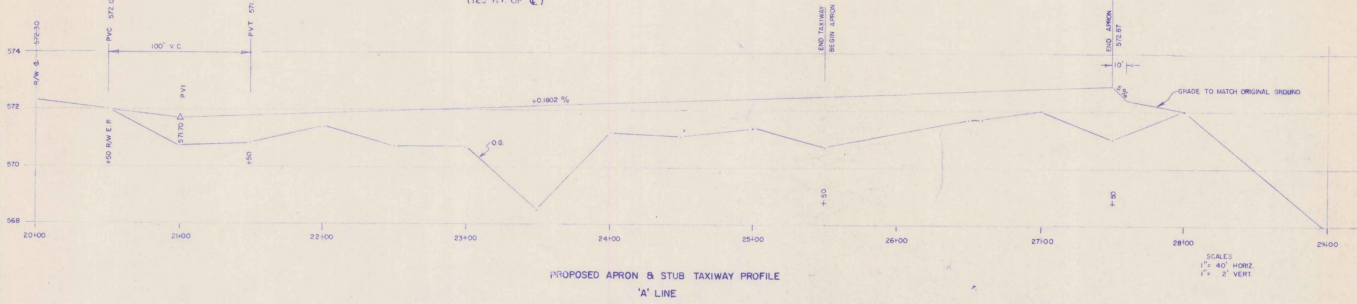
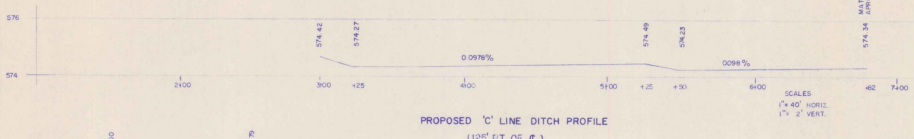
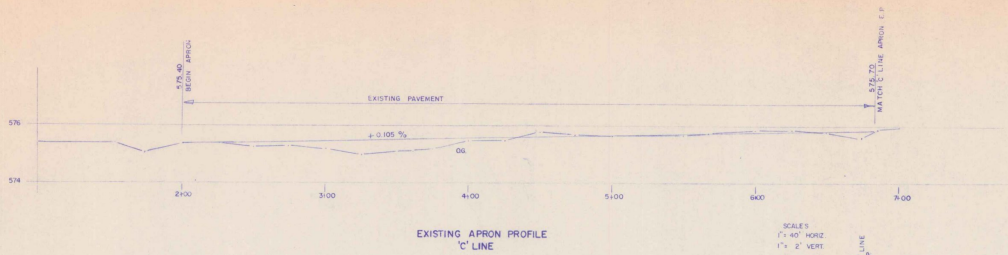


PROPOSED PARALLEL TAXIWAY 'B'
NOT UTILIZED ON THIS PROJECT

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. Conway Resident Engineer
Date 6/29/81

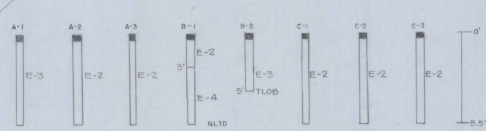
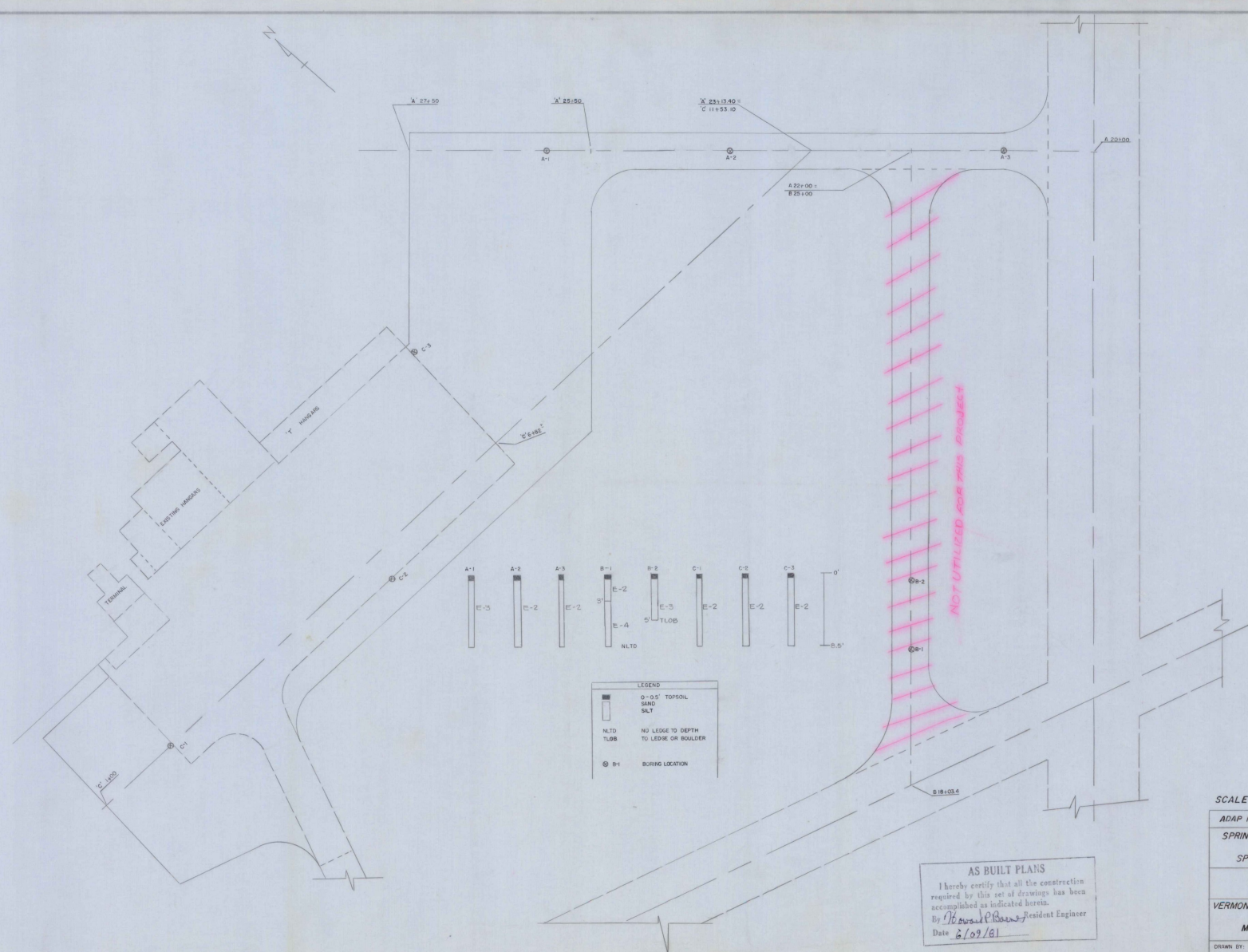
ADAP NO. 5-50-0016-04
SPRINGFIELD STATE AIRPORT
(HARTNESS)
SPRINGFIELD, VERMONT
APRON & TAXIWAY PROFILES
VERMONT AGENCY OF TRANSPORTATION
MONTPELIER, VERMONT



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: *6/18/61*

ADAP NO. 5-50-0016-04
SPRINGFIELD STATE AIRPORT
(HARTNESS)
SPRINGFIELD, VERMONT
APRON & TAXIWAY PROFILES
VERMONT AGENCY OF TRANSPORTATION
MONTPELIER, VERMONT



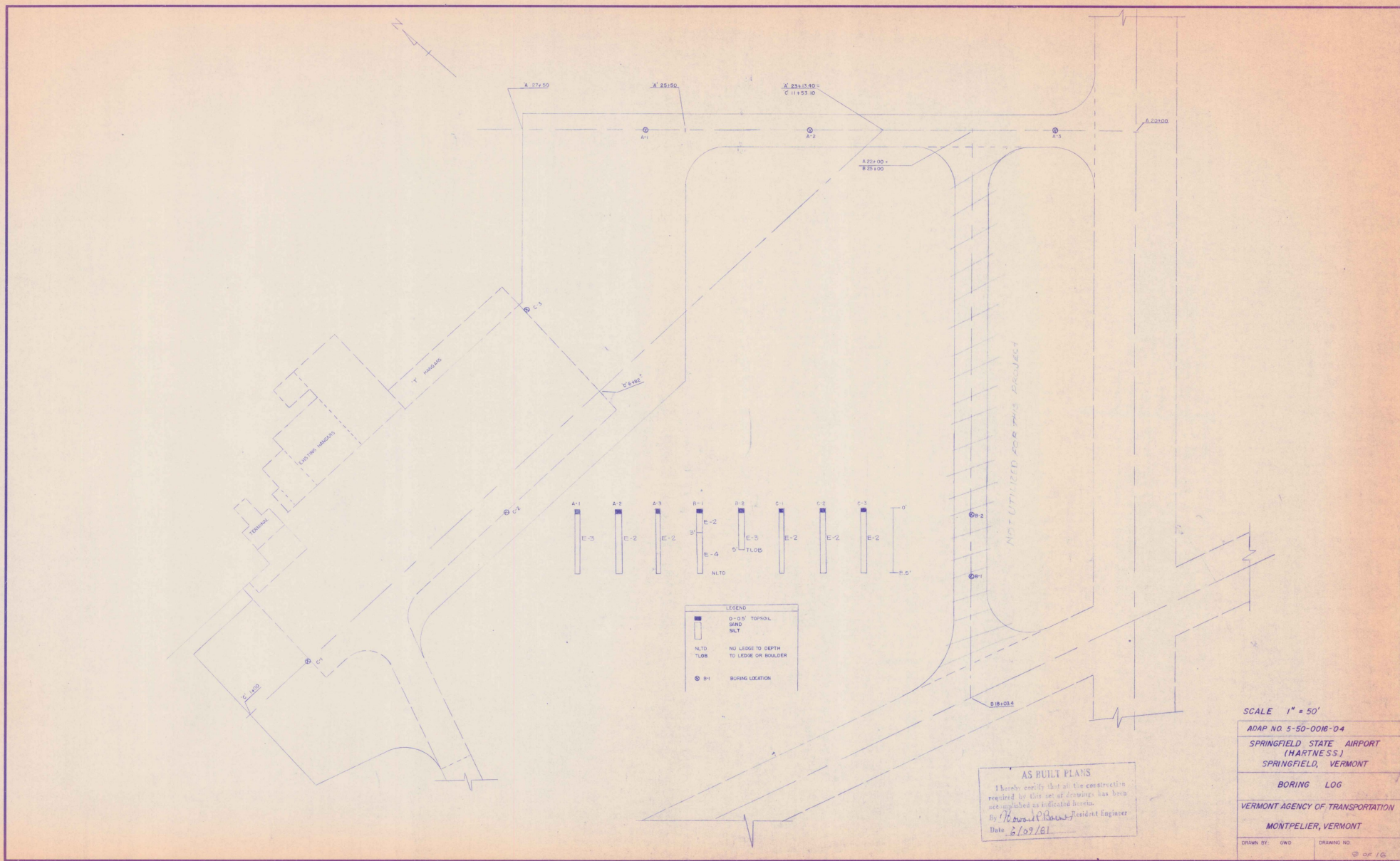
LEGEND

	0-1.5' TOPSOIL
	SAND
	SILT
	NLT0 NO LEDGE TO DEPTH
	TLOB TO LEDGE OR BOULDER
	Boring Location

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

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: GWD DRAWING NO. 0 OF 16



LEGEND

	0-10' TOPSOIL
	SAND
	SILT
	NLTD
	TLOB
	BORING LOCATION

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

SCALE 1" = 50'

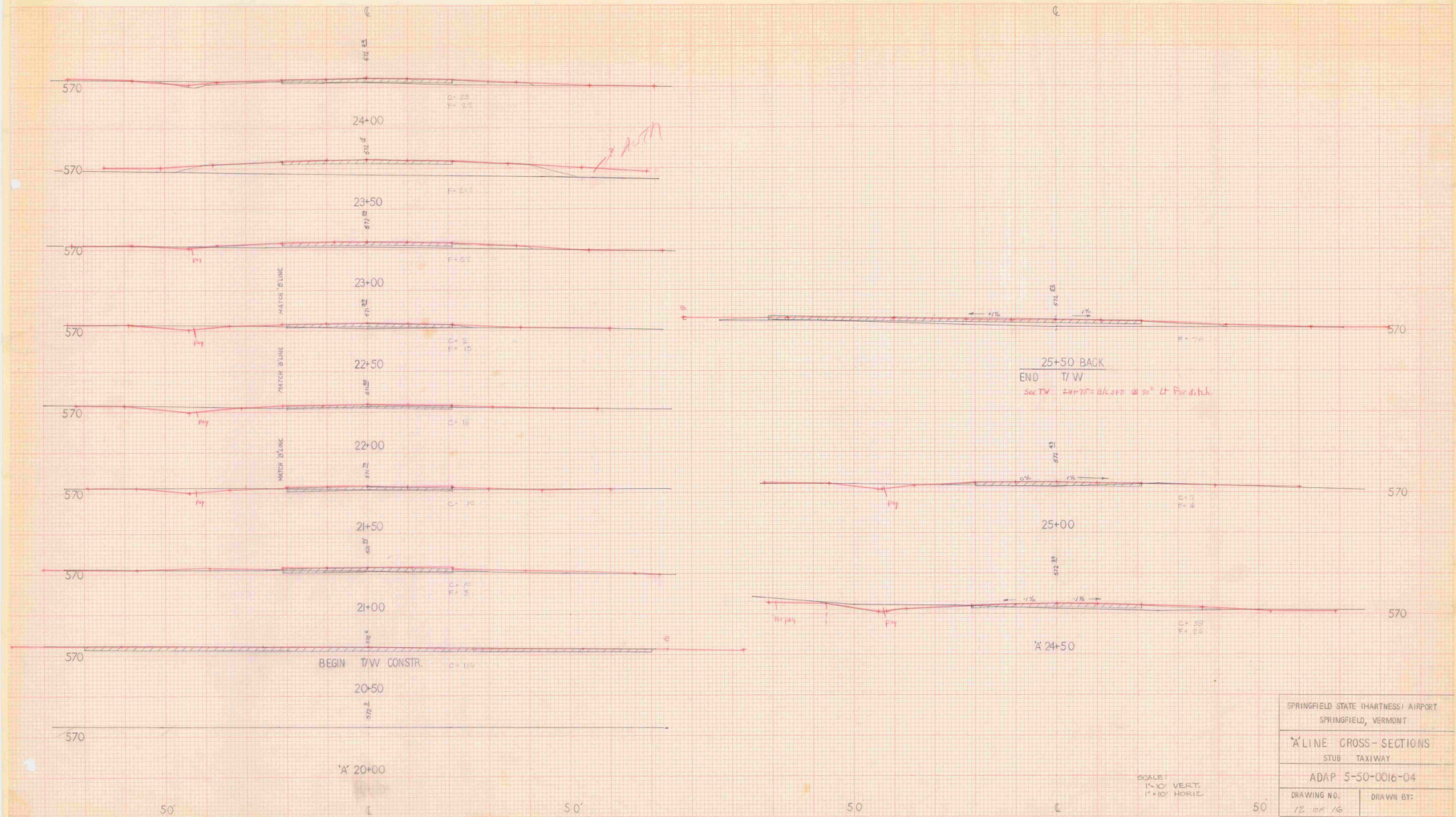
ADAP NO. 5-50-0016-04

SPRINGFIELD STATE AIRPORT
 (HARTNESS)
 SPRINGFIELD, VERMONT

BORING LOG

VERMONT AGENCY OF TRANSPORTATION
 MONTPELIER, VERMONT

DRAWN BY: GWD DRAWING NO. 3 OF 16



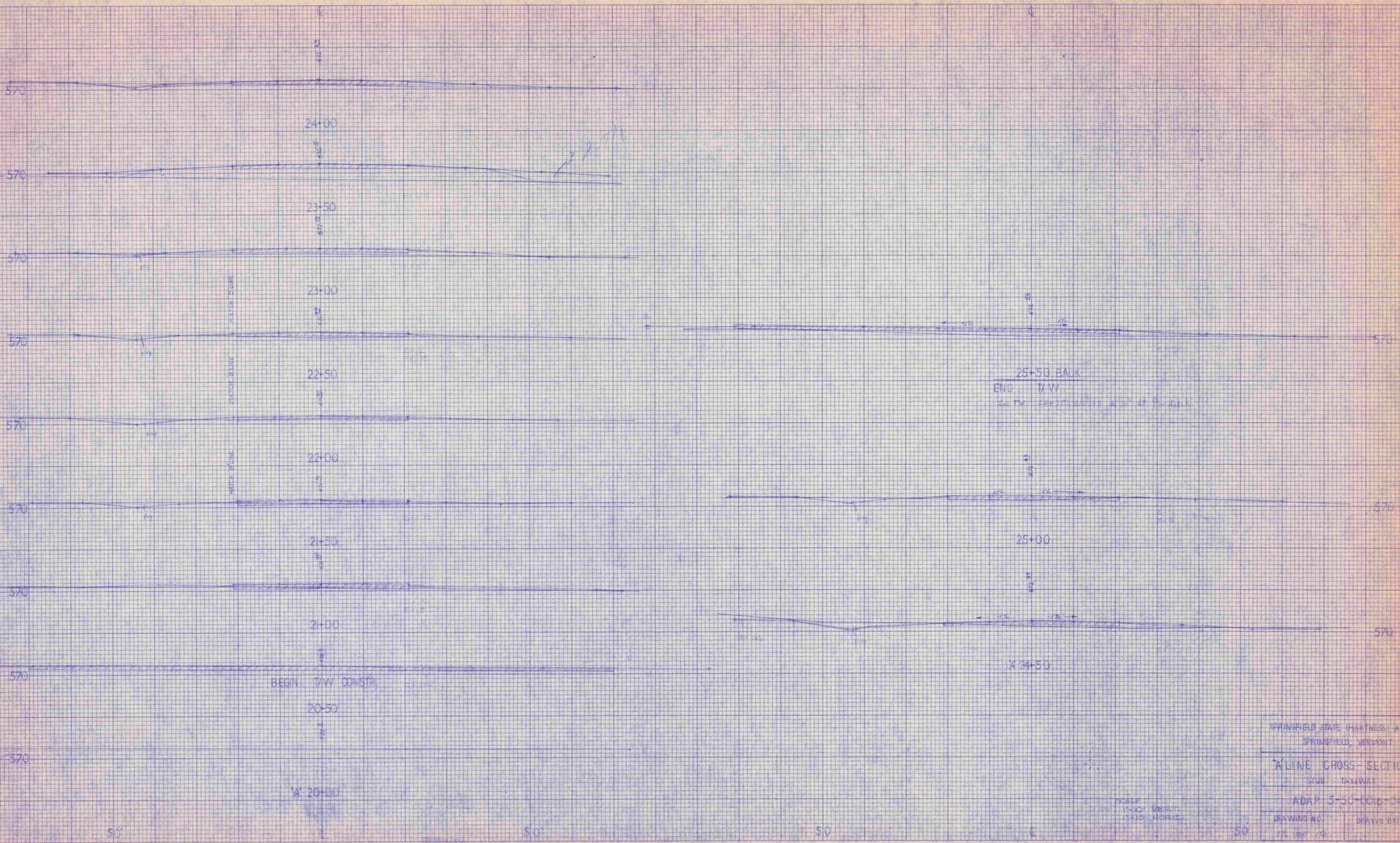
SPRINGFIELD STATE (HARTNESS) AIRPORT
 SPRINGFIELD, VERMONT

'A' LINE CROSS-SECTIONS
 STUB TAXIWAY

ADAP 5-50-0016-04

DRAWING NO. 12 OF 16
 DRAWN BY:

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



SPRINGFIELD STATE (HARTNESS) AIRPORT
 SPRINGFIELD, VERMONT

ALINE CROSS-SECTIONS
 SUB TAXWAY
 ADAP 3-50-0010-04

DRAWING NO. 12 1/2 1/4
 DRAWN BY

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



C = 1.40 = 8
F = 50 x 2 = 112

C = 22 x 2 = 44
F = 22 x 2 = 50

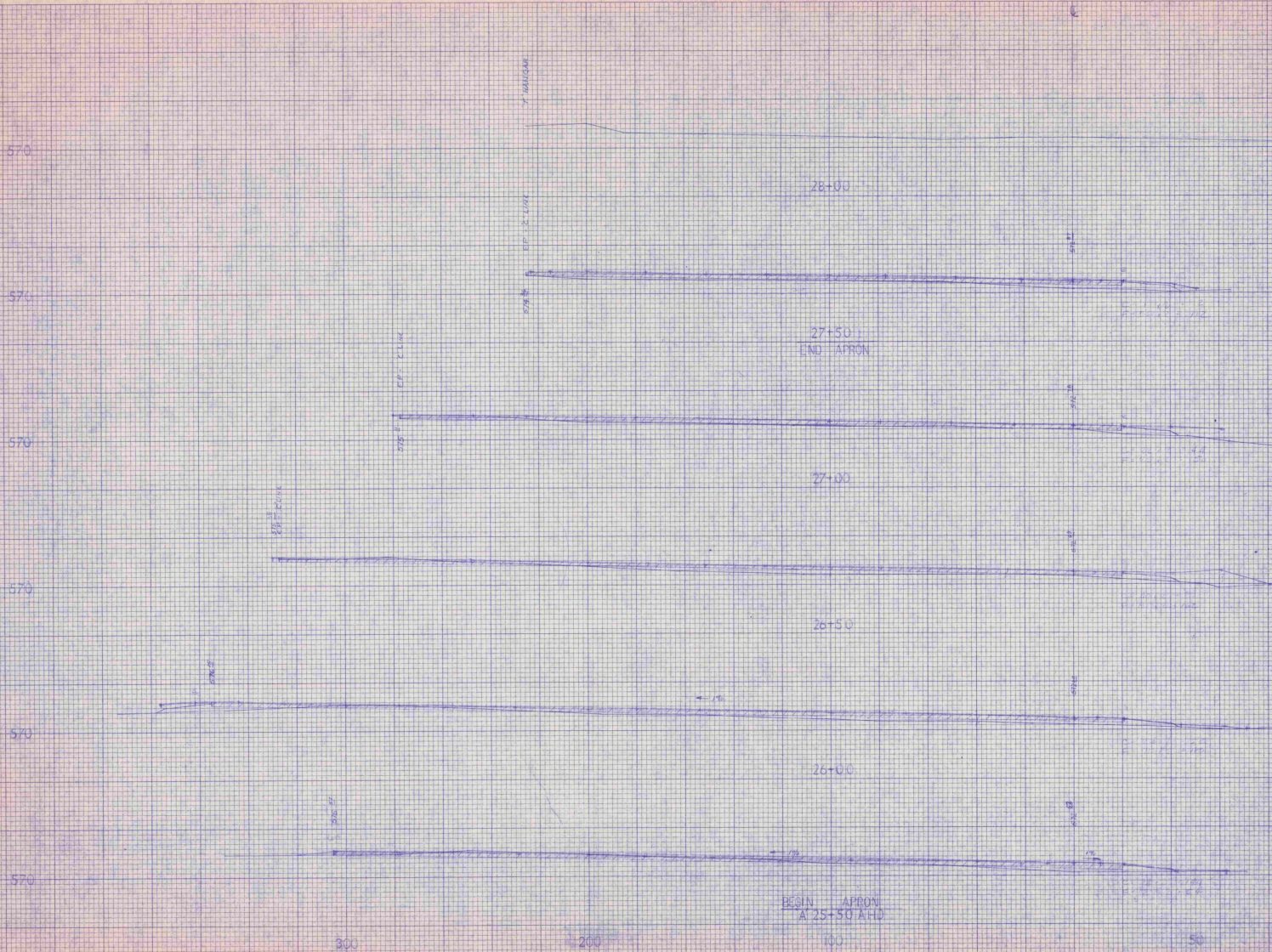
C = 80 x 2 = 160
F = 80 x 2 = 160

C = 22 x 2 = 44
F = 22 x 2 = 50

C = 70 x 2 = 140
F = 70 x 2 = 140

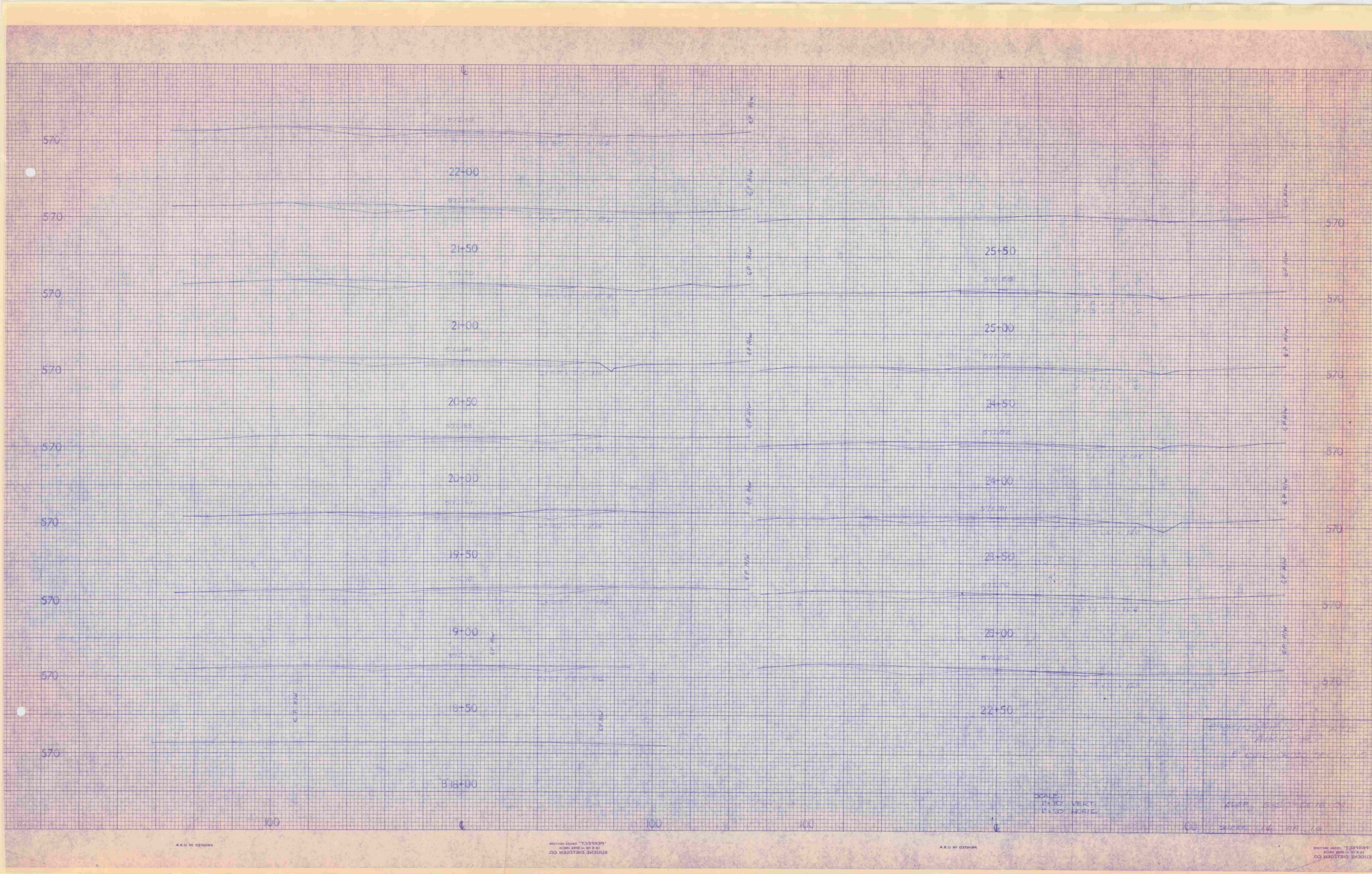
SPRINGFIELD STATE (HARTNESS) AIRPORT SPRINGFIELD VERMONT	
"A" LINE CROSS SECTIONS APRON	
ADAP 5-50-0016-04	
DRAWING NO 13 OF 16	DRAWN BY

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



SPRINGFIELD STATE HARTLESS AVENUE
SPRINGFIELD, MICHIGAN
X-LINE CROSS SECTIONS
APPROX
ADDP 5-50-016-C4
DRAWING NO. 13 OF 20
DRAWN BY

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



MADE IN U.S.A.

ENGINEERS
 CONSULTANTS
 ARCHITECTS
 1000 WEST 10TH AVENUE
 DENVER, COLORADO 80202

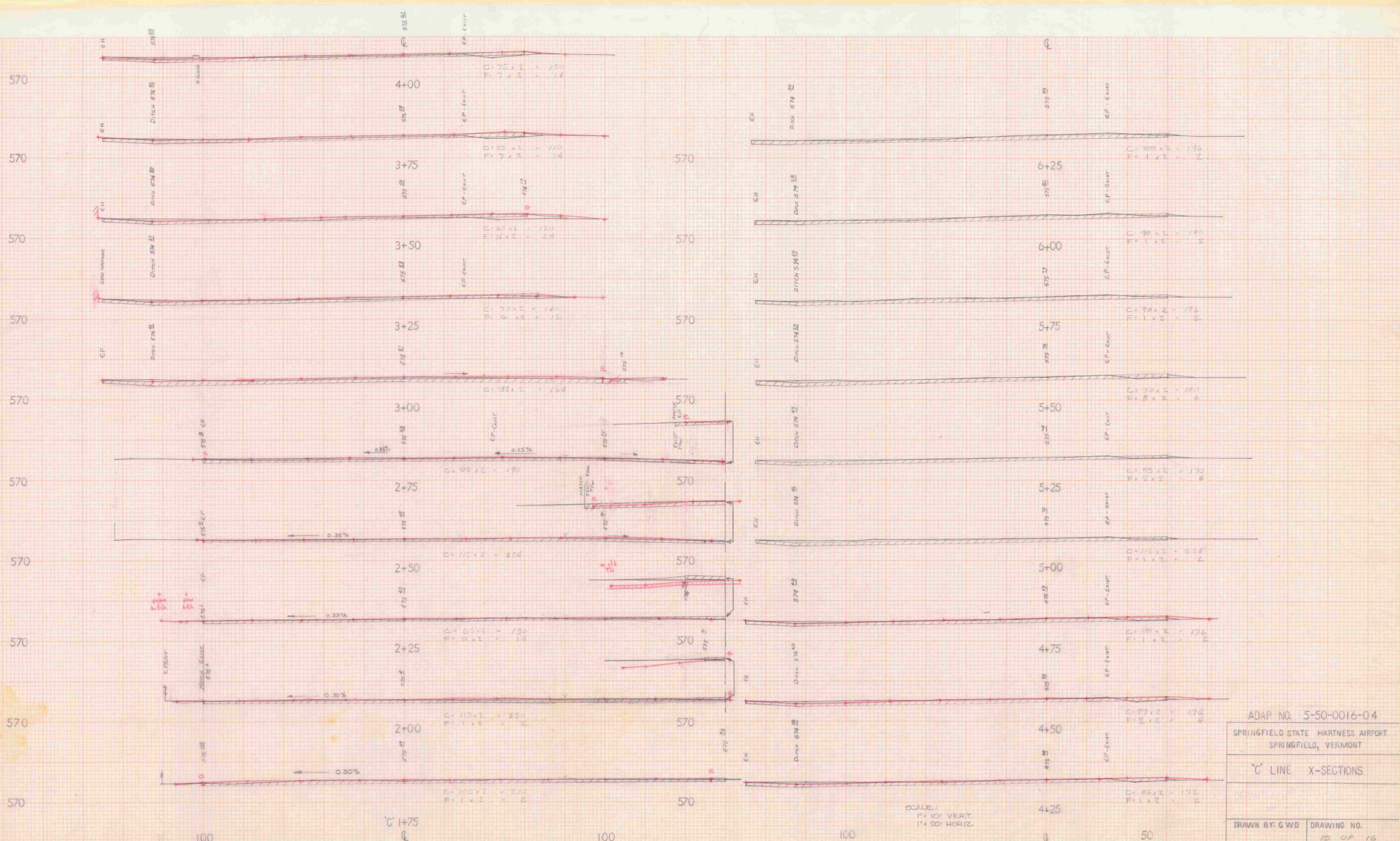
MADE IN U.S.A.

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

APPROVED FOR CONSTRUCTION
 AUGUST 20, 1964
 BY CIVIL ENGINEER

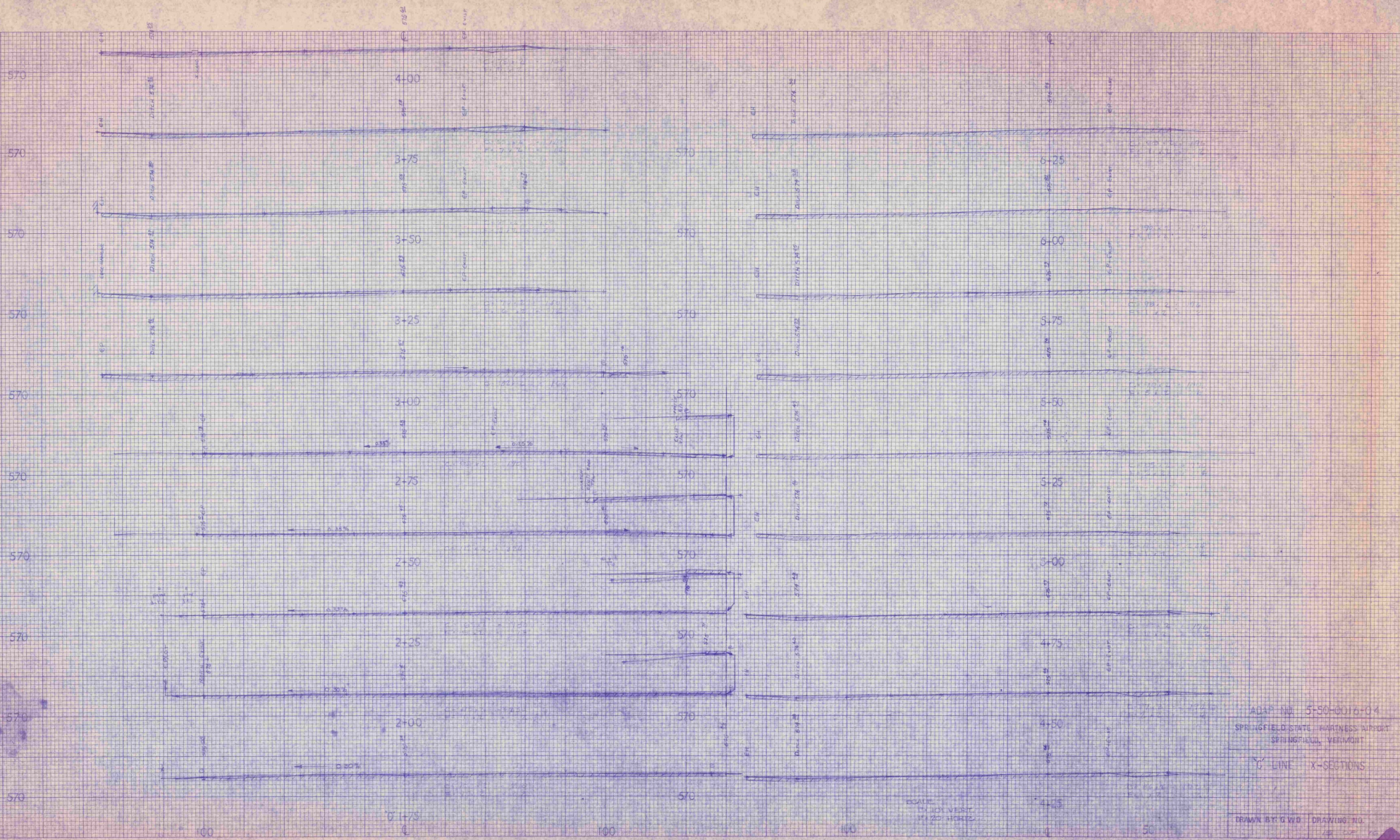
 KEITH BROWN, CIVIL ENGINEER
 LICENSE NO. 14, 178, 181

ENGINEERS
 CONSULTANTS
 ARCHITECTS
 1000 WEST 10TH AVENUE
 DENVER, COLORADO 80202



ADAP NO. 5-50-0016-04
 SPRINGFIELD STATE HARTNESS AIRPORT
 SPRINGFIELD, VERMONT
 'C' LINE X-SECTIONS
 DRAWN BY: GWD DRAWING NO. 15 OF 16

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



ADAR NO. 5-50-0016-G4
 SPRINGFIELD STATE BUSINESS AIRPORT
 SPRINGFIELD, VERMONT

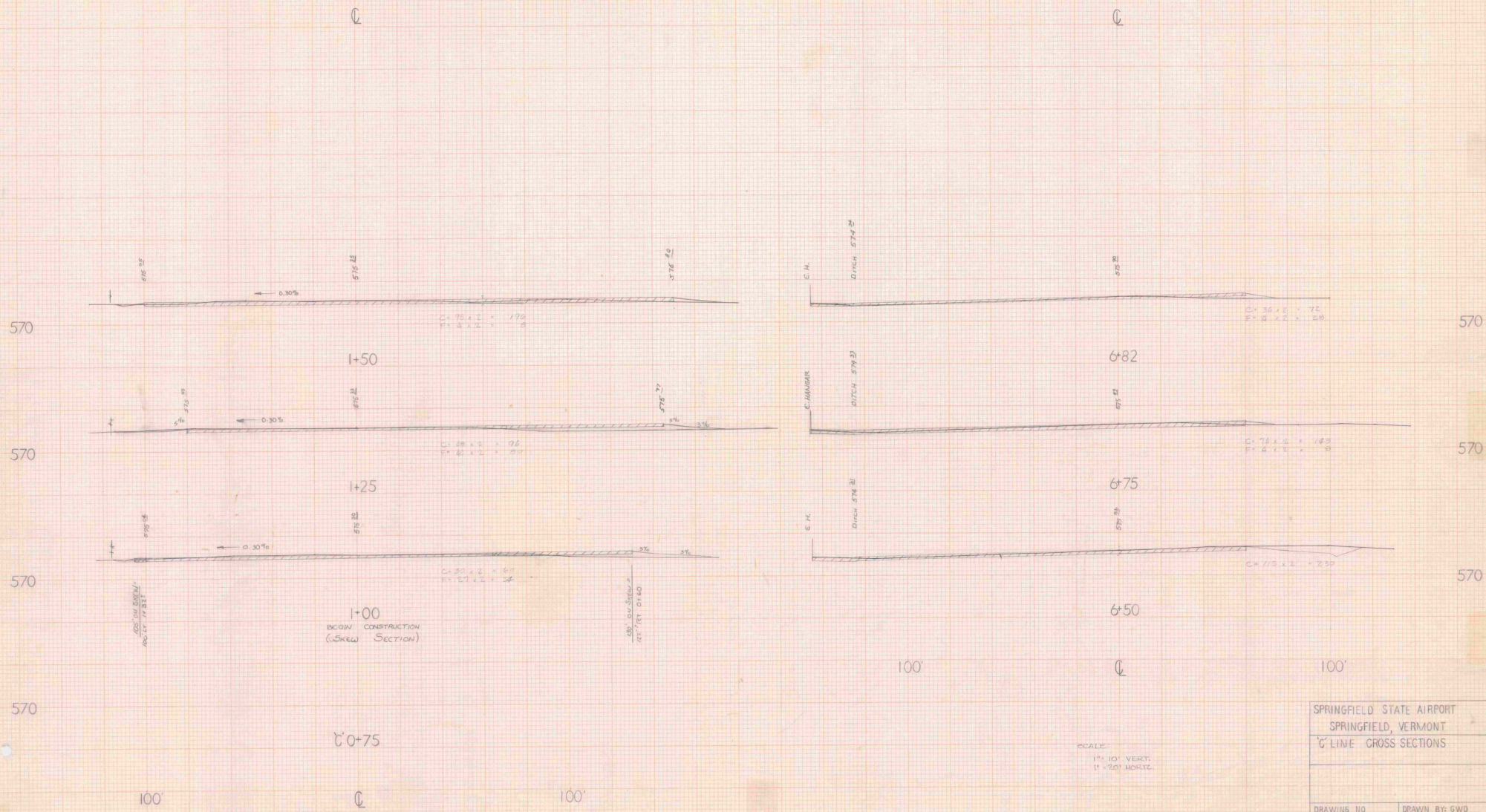
C/LINE X-SECTIONS

DRAWN BY: G.W.B. DRAWING NO. 48-50-100

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

ENGINEERING DESIGN CO.
 100 STATE ST. VERMONT
 SPRINGFIELD, VERMONT

ENGINEERING DESIGN CO.
 100 STATE ST. VERMONT
 SPRINGFIELD, VERMONT



SPRINGFIELD STATE AIRPORT
 SPRINGFIELD, VERMONT
 C LINE CROSS SECTIONS

DRAWING NO. 16 OF 16
 DRAWN BY: GWO

570
570
570
570

570
570
570

100'

100'

100'

100'

+00
PC SIGN CONSTRUCTION
(SBRM SECTION)

+82

+75

+650

+50

+25

+0+75

SPRINGFIELD STATE AIRPORT
SPRINGFIELD, VERMONT
GRADE CROSS SECTIONS

DRAWING NO. 74-27-78
DESIGNED BY C.W.S.

SCALE:
1" = 10' VERTICAL
1" = 100' HORIZONTAL

PROPOSED

EXISTING

PROPOSED

EXISTING

PROPOSED

EXISTING

PROPOSED

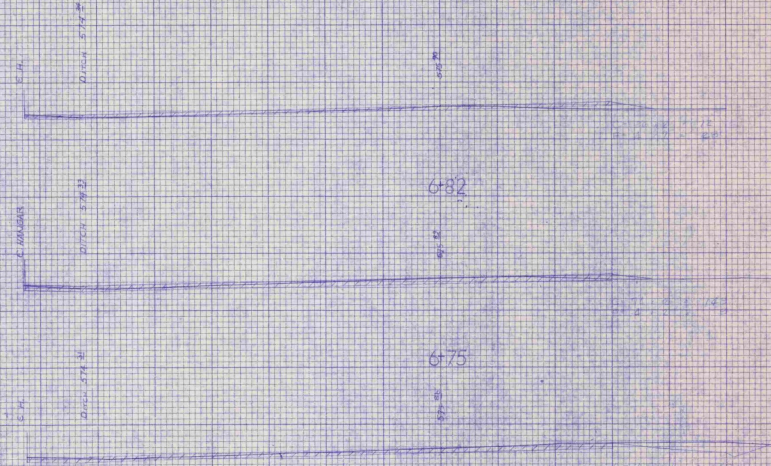
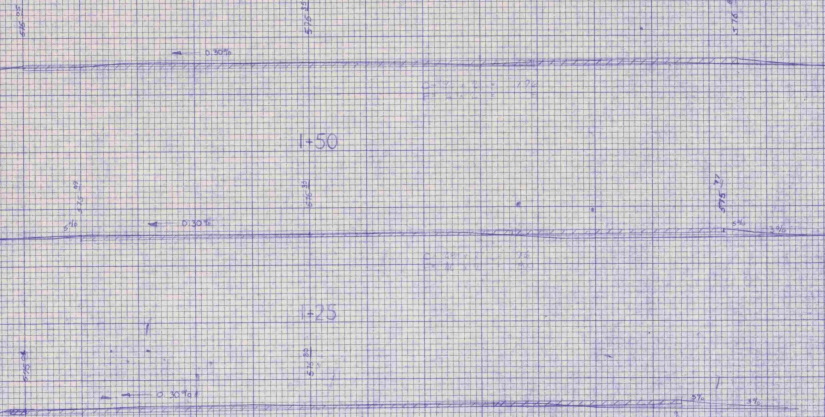
EXISTING

PROPOSED

EXISTING

PROPOSED

EXISTING



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

**VERMONT AGENCY OF TRANSPORTATION
PLANNING DIVISION**