INDEX OF SHEETS

1	TITLE SHEET
2	TYPICAL SHEET
3	QUANTITY SHEET
4	LAYOUT
5	PROFILE AND EARTHWORK SHEET
6	BORING SHEET
7-11	CROSS SECTIONS
12	BLANK
13	STANDARD D-2, UNDERDRAIN (10/30/85R)
14	STANDARD D-3, TREATED GUTTERS (04/02/86)
15	STANDARD D-4, FLUSHING BASINS (10/30/85R)
16	STANDARD F-2, CHAIN LINK FENCE TYPE I (02/01/79R)
17	STANDARD T-1, TEMPORARY EROSION CONTROL DETAILS (12/07/76R)
18	STANDARD T-2, TEMPORARY EROSION CONTROL DETAILS (07/05/72)
19	STANDARD AP-1, TAXIWAY TYPICALS (03/13/90R)
20	STANDARD AP-3, AIRCRAFT TIEDOWN ANCHOR (03/13/90R)
21	STANDARD AP-10, CLOSED RUNWAY MARKERS (03/13/90R)
22	STANDARD AP-11, TAXIWAY AND APRON MARKING DETAILS (03/13/90R)

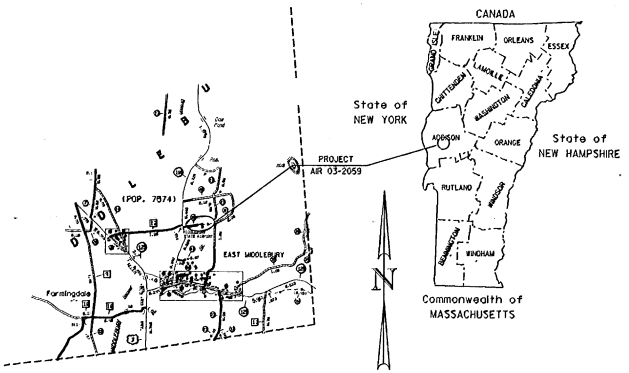
STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
TOWN OF MIDDLEBURY
COUNTY OF ADDISON

MIDDLEBURY STATE AIRPORT

CONSTRUCTION OF AN AIRCRAFT TIEDOWN APRON TO ACCOMODATE 42 BASED AIRCRAFT.
INCLUDED IN THIS PROJECT IS A STUB TAXIWAY, TIEDOWN ANCHORS
AND INADVERTANT ACCESS FENCING.



RECORD PLANS

CONTRACTOR: RUSSELL COTE, INC, MORRISVILLE, VT

RESIDENT ENGINEER: FREDERICK H REED

CONSTRUCTION BEGAN: 10-03-90

CONSTRUCTION COMPLETED: [illegible]

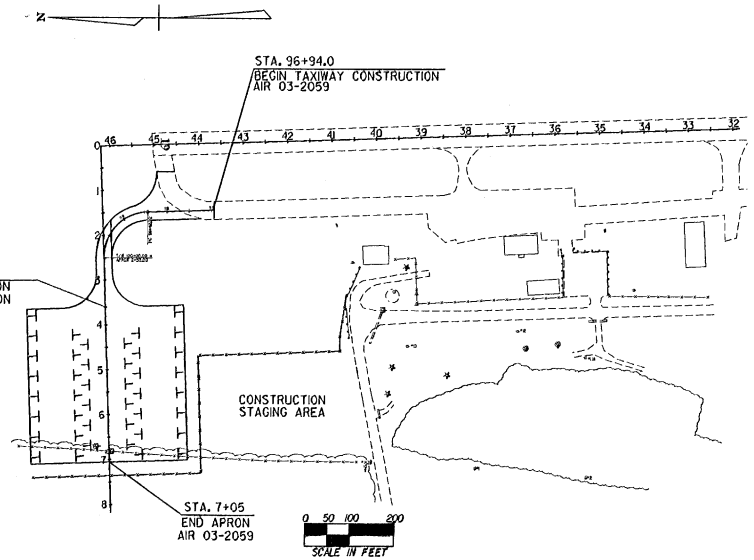
RECORD PLANS BY: RICHARD RUSSELL

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

By [signature] Resident Engineer

Date 3/24/94

NOTE: Any further information concerning final quantities, [illegible] is contained in the project records found on aerofilm in Central Files.



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 3/31/94

CONVENTIONAL SIGNS

COUNTY LINE
TOWN LINE
LIMITS OF ACCESS
POINT OF ACCESS
FENCE LINE
STONE WALL
TRAVELED WAY
GUARD RAIL
RAILROAD
SURVEY LINE
CULVERT
POWER POLE
TELEPHONE POLE
TREES
CONTROL OF ACCESS
PROPERTY LINE
R.O.W. TAKING LINE
SLOPE RIGHTS
TOP OF CUT
TOE OF SLOPE

DATUM
VERTICAL N/A
HORIZONTAL N/A

THESE PLANS WERE DESIGNED IN ACCORDANCE WITH ADVISORY CIRCULAR CHECKLIST DATED OCTOBER 15, 1989.

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION OR THE AGENCY SECRETARY.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1986, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 21, 1985 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED [signature] DIRECTOR OF PLANNING & PRECONSTRUCTION DATE 4/5/94

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

APPROVED _____ DIVISION ADMINISTRATOR DATE _____

PROJECT AIR 03-2059
AIP 3-50-0011-01
SHEET 1 OF 22 SHEETS

TYPICAL SECTION

3" BITUMINOUS CONCRETE PAVEMENT,ITEM 854.02,P-401,TYPE B, 2-1½" LIFTS
EMULSIFIED ASPHALT FOR PRIME COAT, ITEM 404.65 (0.25 GAL/S.Y. APPLICATION RATE)
6"CRUSHED AGGREGATE BASE COURSE,ITEM 854.04,P-209 (GRADATION 3)
TAR EMULSION PROTECTIVE SEAL COAT,ITEM 854.03,P-625 (APRON ONLY) (0.15 GAL/S.Y. APPLICATION RATE)
33" GRANULAR BORROW,ITEM 203.32

SEEDING FORMULA , ITEM 651.15
RURAL AREAS

% WT.	LBS./A.	NAME	PUR %	GERM %
3.33	2	CROWN VETCH	97	75
50.00	30	CREEPING RED FESCUE	98	85
8.33	5	TIMOTHY	99	85
16.67	10	PERENNIAL RYE GRASS (VAR.PENNFINE)	95	85
8.34	5	ALFALFA (VAR. SARANAC)	93	85
8.33	5	BIRDSFOOT TREFOIL(VAR.EMPIRE)	98	85
5.00	3	HIGHLAND BENT GRASS	92	85
100.00	60			

THE SEED MIXTURE SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS WEED SEED.

SEED- TO BE APPLIED PER SEEDING FORMULAS DIRECTED BY THE ENGINEER.

FERTILIZER- FORMULA 10-20-10 TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE.

AGRICULTURAL LIMESTONE- TO BE APPLIED AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE ENGINEER.

HAY MULCH- TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

TOPSOIL- TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

MARKER POSTS- TO BE PLACED AS DIRECTED BY THE ENGINEER.

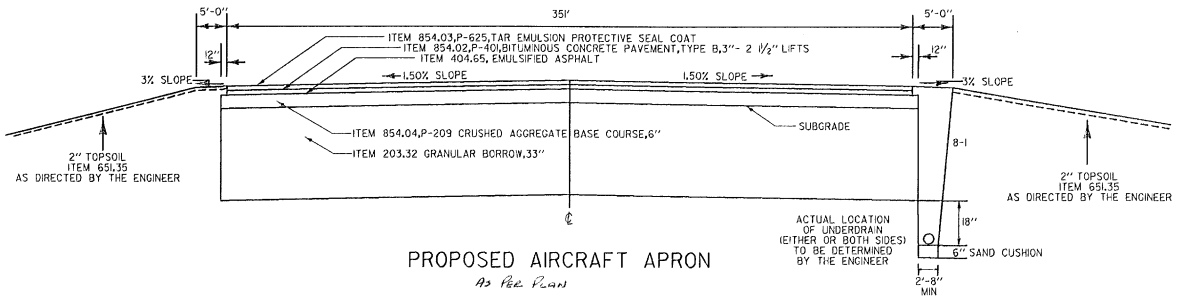
SLOPE ROUNDING- ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD SHEET B-5.

PAY LIMITS OF SAND BORROW WHEN USED IN CONJUNCTION WITH UNDERDRAIN- SEE STANDARD SHEET D-2.

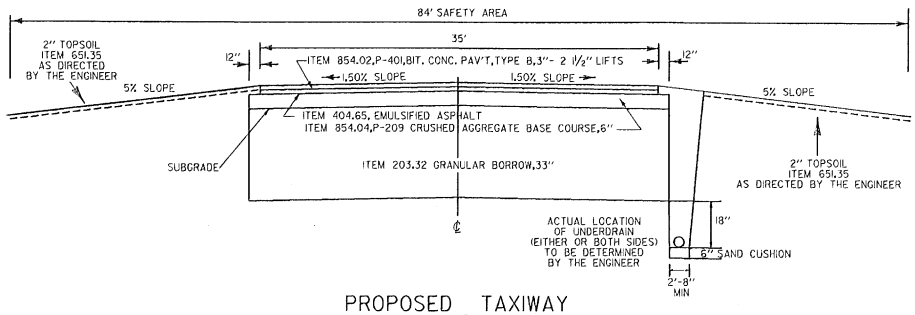
SUB-GRADE UNDER AREAS TO BE PAVED TO BE COMPACTED TO 95% DENSITY AS PER FAA T-611, (AASHTO T-180)

BITUMINOUS PRIME COAT TO BE APPLIED AS PER ITEM 404,SUBSECTION 404.08,TYPE 1, FIRST APPLICATION USING MC-250.

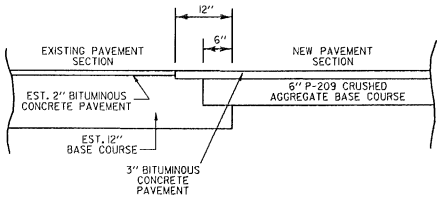
FOR UNDERDRAIN FLUSHING BASIN DETAIL REFER TO STANDARD D-4.



PROPOSED AIRCRAFT APRON
As Per Plan

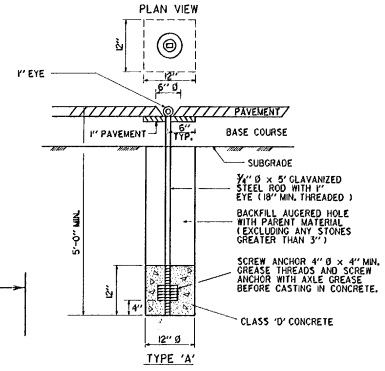


PROPOSED TAXIWAY
As Per Plan



VERTICAL SAWCUT EXISTING PAVEMENT SECTION 12" BACK AND PAINT SAWCUT WITH BIT. PRIME COAT,PAID SUBSIDIARY TO ITEM 854.02, P-401 BITUMINOUS CONCRETE PAVEMENT

TAXIWAY BUTT SECTION DETAIL



AIRCRAFT TIE DOWN ANCHOR
As Per Plan

AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
By _____ Resident Engineer
Date 3/31/14

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

SURVEYED BY	REED	DATE 2-88
DRAWN BY	DAYE/NAILOR	DATE 2-88
SQUAD LEADER	SHERIDAN	
DESIGN FILE NO.	91E034	DATE PLOTTED 2-88
PROJ. NAME	MIDDLEBURY STATE AIRPORT	
PROJ. NO.	AIR 03-2059	
SHEET	2 OF 22 SHEETS	

QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

APPROXIMATE SUMMARY OF QUANTITIES

R.O.W.		NON GOV'T PARTIC.	GOV'T PARTIC.	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
			0.7			0.7	AC	CLEARING AND GRUBBING	201.11	EST.
		907	3753			4660	CY	COMMON EXCAVATION	203.15	9
			100			100	CY	SOLID ROCK EXCAVATION	203.16	EST.
		60				60	CY	EXCAVATION OF SURFACES AND PAVEMENTS	203.28	-
			3025			3025	CY	EARTH BORROW	203.30	-
		755	13095			13850	CY	GRANULAR BORROW	203.32	18
		1500	14500			16000	SY	FINE GRADING-SUBGRADE	203.40	38
		84	169			253	CY	TRENCH EXCAVATION OF EARTH	204.20	4
			10			10	CY	TRENCH EXCAVATION OF ROCK	204.21	EST.
			186			186	CY	SUBBASE OF GRAVEL	301.15	-
		13	240			253	CWT	EMULSIFIED ASPHALT	404.65	-
		200	300			500	LF	6'' UNDERDRAIN	605.10	EST.
			50			50	LF	6'' UNDERDRAIN CARRIER PIPE	605.20	EST.
			2			2	EA	UNDERDRAIN FLUSHING BASIN	605.95	EST.
			19			19	CY	STONE FILL, TYPE I	613.10	-
			1100			1100	LF	CHAIN LINK FENCE, 6 FT	620.12	EST.
			68			68	LF	GATE FOR CHAIN LINK FENCE, 6 FT	620.16	-
			15			15	EA	BRACING ASSEMBLY FOR CHAIN LINK FENCE(6')	620.21	EST.
			760			760	LF	REMOVAL OF EXISTING FENCE	620.55	-
			1			1	LS	FIELD OFFICE - ENGINEERS	631.10	-
			1			1	LS	TESTING EQUIPMENT - CONCRETE	631.16	-
			1			1	LS	TESTING EQUIPMENT - BITUMINOUS	631.17	-
		0.08	0.92			1	LS	MOBILIZATION	638.10	EST.
		6	69			75	LB	SEED	651.15	-
			17			17	LB	SEED-WINTER RYE	651.17	-
		47	548			595	LB	FERTILIZER	651.18	-
		0.2	2.2			2.4	TON	AGRICULTURAL LIMESTONE	651.20	-
		0.2	2.8			3.0	TON	HAY MULCH	651.25	-
		25	295			320	CY	TOPSOIL	651.35	-
			75			75	SY	EROSION MATTING	654.10	EST.
		223	2367			2590	TON	P-401, BIT. CONC. PAVEMENT	854.02	13
			4050			4050	GAL	P-625, TAR EMULSION SEAL COAT	854.03	14
		137	2378			2515	CY	P-209, CRUSHED AGGR. BASE COURSE	854.04	36
			126			126	EA	AIRCRAFT TIE DOWN ANCHOR, TYPE A	854.07	-
		350	1450			1800	SF	P-620, R/W & T/W PAINTING (YELLOW)	864.03	12

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		TEMPORARY EROSION CONTROL (INCLUDED WITH GOV'T PARTICIPATION ITEMS)
38	CY	TRENCH EARTH
186	CY	SUBBASE OF GRAVEL
19	CY	STONE FILL, TYPE I
17	LB	SEED WINTER RYE
0.6	TON	HAY MULCH
75	SY	EROSION MATTING

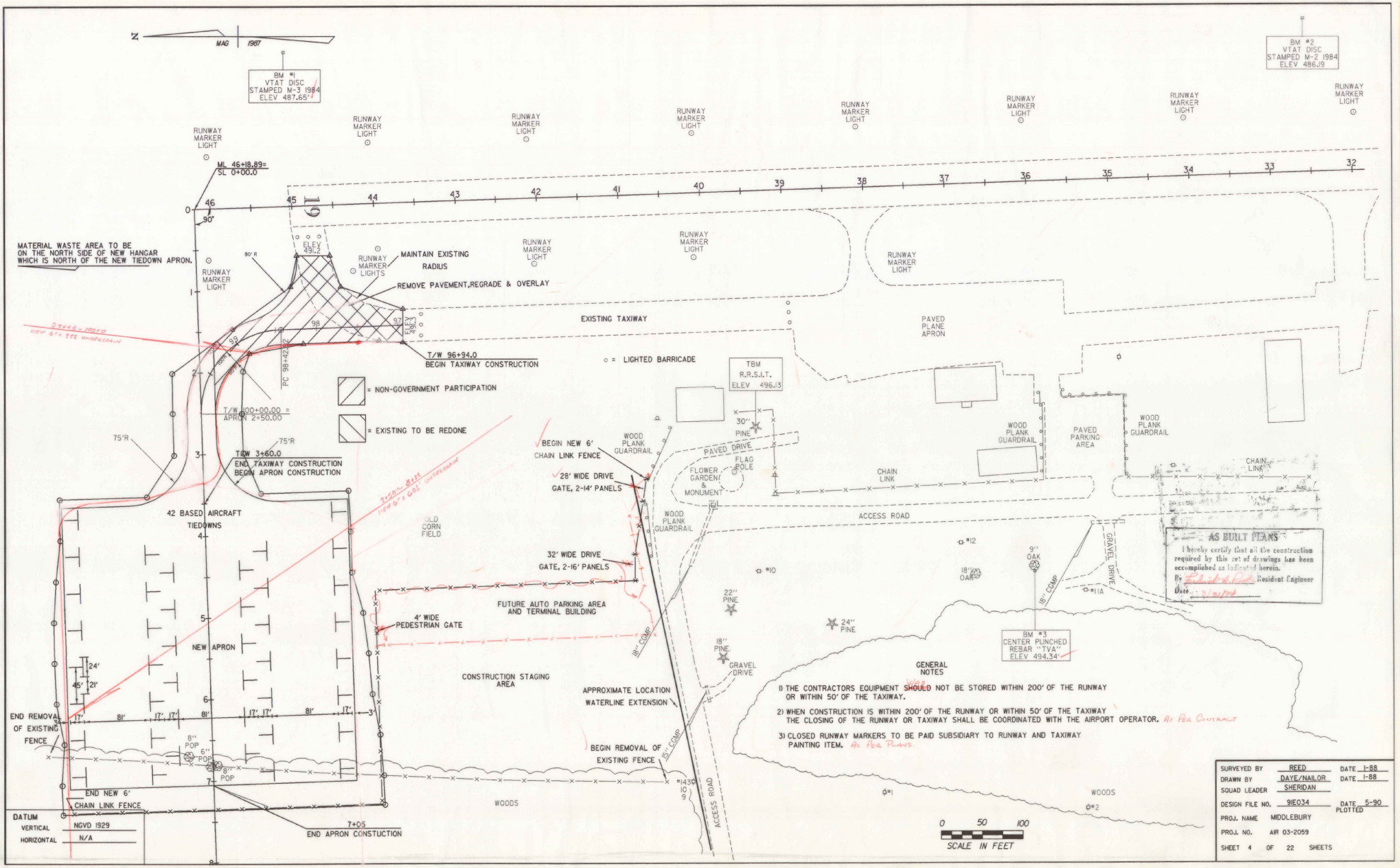
DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

STATIONS		PAVEMENT WIDTHS			EQUATIONS		FEET	MILES	REMARKS
FROM	TO				+	-			
TOTALS									

91E0340S

PROJECT NAME (MIDDLEBURY STATE AIRPORT)
PROJECT NUMBER (AIR 03-2059)


MAG 1987
BM #1
VTAT DISC
STAMPED M-3 1984
ELEV 487.65'
BM #2
VTAT DISC
STAMPED M-2 1984
ELEV 486.19
RUNWAY MARKER LIGHT
ML 46+18.89=
SL 0+00.0
MATERIAL WASTE AREA TO BE ON THE NORTH SIDE OF NEW HANGAR WHICH IS NORTH OF THE NEW TIEDOWN APRON.
ELEV 491.2
RUNWAY MARKER LIGHTS
MAINTAIN EXISTING RADIUS
REMOVE PAVEMENT, REGRADE & OVERLAY
EXISTING TAXIWAY
PAVED PLANE APRON
T/W 96+94.0
BEGIN TAXIWAY CONSTRUCTION
PC 98+42.62
ELEV 491.3
= LIGHTED BARRICADE
= NON-GOVERNMENT PARTICIPATION
= EXISTING TO BE REDONE
T/W 100+00.00 =
APRON 2+50.00
T/W 3+60.0
END TAXIWAY CONSTRUCTION
BEGIN APRON CONSTRUCTION
42 BASED AIRCRAFT TIEDOWNS
OLD CORN FIELD
TBM
R.R.S.J.T.
ELEV 496.13
BEGIN NEW 6' CHAIN LINK FENCE
28' WIDE DRIVE GATE, 2-14' PANELS
32' WIDE DRIVE GATE, 2-16' PANELS
4' WIDE PEDESTRIAN GATE
FUTURE AUTO PARKING AREA AND TERMINAL BUILDING
WOOD PLANK GUARDRAIL
PAVED DRIVE
FLOWER GARDEN & MONUMENT
FLAG POLE
CHAIN LINK
ACCESS ROAD
PAVED PARKING AREA
GRAVEL DRIVE
18" COMP
30" PINE
22" PINE
24" PINE
18" PINE
18" OAK
9" OAK
#10
#11
#11A
#12
NEW APRON
CONSTRUCTION STAGING AREA
APPROXIMATE LOCATION WATERLINE EXTENSION
BEGIN REMOVAL OF EXISTING FENCE
END REMOVAL OF EXISTING FENCE
END NEW 6' CHAIN LINK FENCE
END APRON CONSTUCTION
7+05
8" POP
6" POP
WOODS
#1
#2
#430
AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
By _____ Resident Engineer
Date 3/21/94
GENERAL NOTES
1) THE CONTRACTORS EQUIPMENT SHOULD NOT BE STORED WITHIN 200' OF THE RUNWAY OR WITHIN 50' OF THE TAXIWAY.
2) WHEN CONSTRUCTION IS WITHIN 200' OF THE RUNWAY OR WITHIN 50' OF THE TAXIWAY THE CLOSING OF THE RUNWAY OR TAXIWAY SHALL BE COORDINATED WITH THE AIRPORT OPERATOR. As Per Contract
3) CLOSED RUNWAY MARKERS TO BE PAID SUBSIDIARY TO RUNWAY AND TAXIWAY PAINTING ITEM. As Per Plans.
DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A
0 50 100
SCALE IN FEET
SURVEYED BY REED DATE 1-88
DRAWN BY DAYE/NAILOR DATE 1-88
SQUAD LEADER SHERIDAN
DESIGN FILE NO. 91E034 DATE PLOTTED 5-90
PROJ. NAME MIDDLEBURY
PROJ. NO. AIR 03-2059
SHEET 4 OF 22 SHEETS

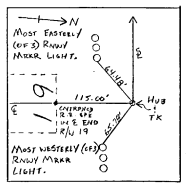
Areas For stations 97+50 to 99+50 were taken From Sections 1+00 to 2+00.

V.C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON CURVES	CORR V.C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	AREA	CU. YDS.
		TAN 96+94	491.80											
		97+00	491.27'											
		+33				17	0							
		+50	491.00'			50'		79						
		98+00	490.73'			23	85							
		+23				27		523						
		+50	490.47'			50'	480							
	-0.5337%	99+00	490.20'				N/A	537			0			
		+50	489.93'			50'	100				7	7		
		TAN 100+00 CK. APRON 2+50	489.67'	489.67	0.00	50'	75	162			11	17		
100 V.C.		3+00	489.40'	489.32	-0.08	50'	85	148			14	23		
		+50	488.80	488.80	0.00	50'	64	138			26	36		
		+60	488.67			10'		24			25 OR 1 AND	9		
		4+00	488.19			40'	626	927			4	6		
		+50	487.59			50'	485	1029			7	10		
		5+00	486.98			50'	105	546			225	215		
		+50	486.38			50'	34	129			432	608		
		6+00	485.77			50'	54	82			690	1039		
	-1.2099%	+50	485.17			50'	90	133			914	1485		
		7+00	484.56			10'	62	141			1070	1850		
		+10	484.44			26	62	23			1090	404		
		+36					0	30			0	525		
							Totals	4631				6240		

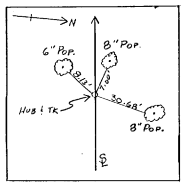
DATUM
VERTICAL N/A
HORIZONTAL N/A

EXCAVATION = 4651 c/
Less Unsuitable
Material (EFT) -500 CY
Avail. For Fill 4151 c/
EMBANKMENT 6240 c/
(Fill Fac 1.15) 7176 c/
EARTH BORROW 3025 c/

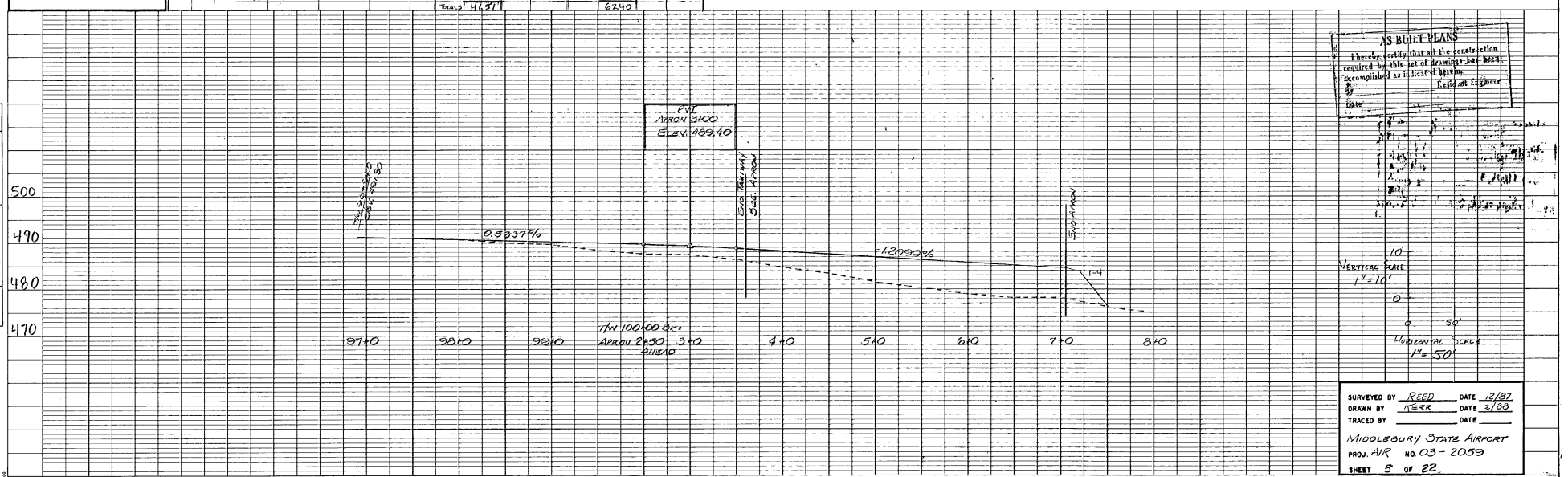
℄ TIES



RNWY ℄ 46+18.89 =
℄ POT 0+00.00



℄ POT 6+74.55



AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated hereon.
Registered Engineer
By
Date

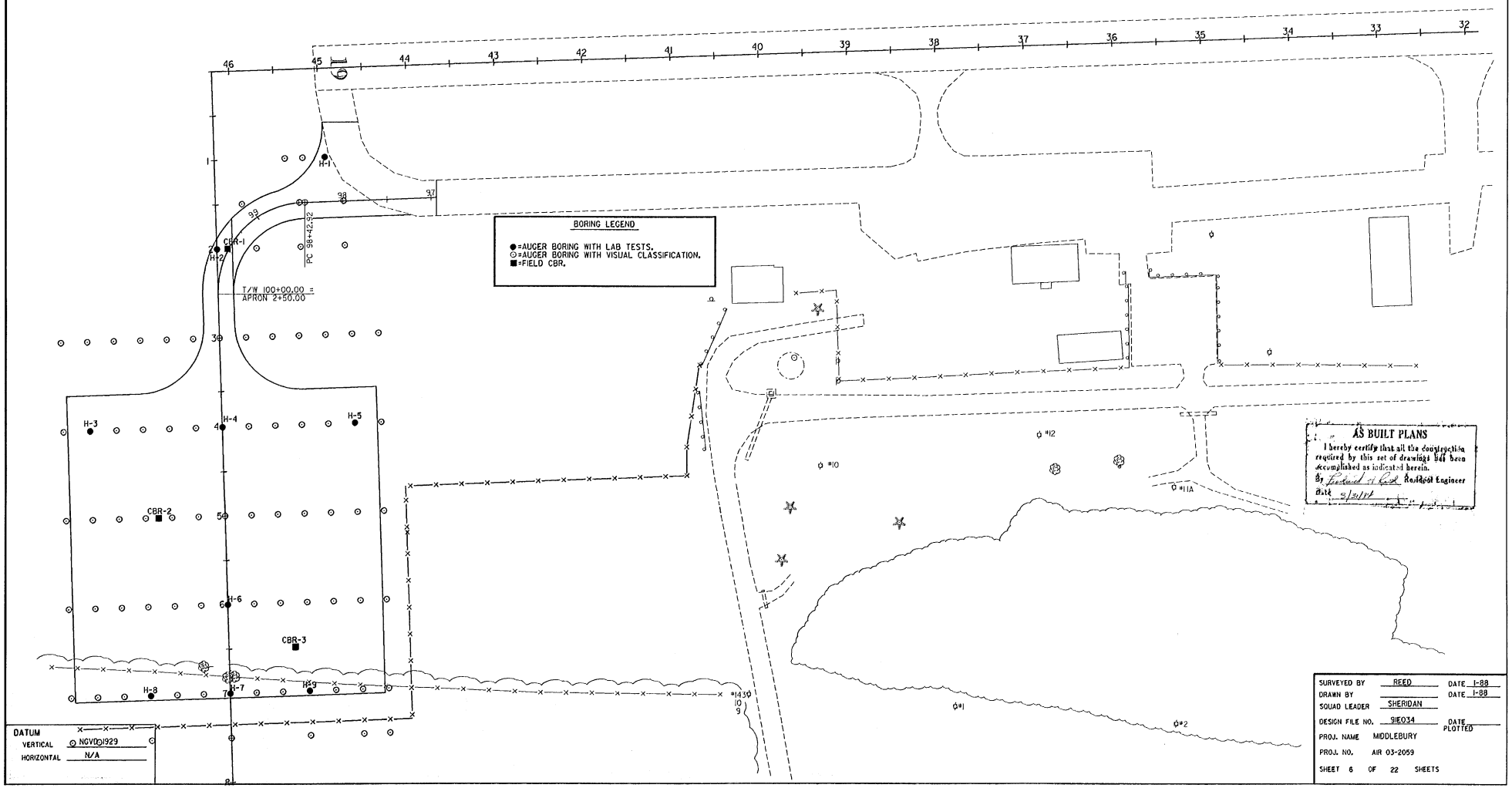
PLAN
DATE | BY | SURVEYED | DRAWN | ALIGNMENT CHECKED | GRADES CHECKED | MATERIALS INCLUDED | NOTE BOOK | NO.

PROFILE
DATE | BY | SURVEYED | DRAWN | GRADES CHECKED | ALIGNMENT CHECKED | MATERIALS INCLUDED | STRUCTURE NOTE/THIS CHNG | NOTE BOOK | NO.

SURVEYED BY REED DATE 12/87
DRAWN BY KERR DATE 2/88
TRACED BY DATE
MIDDLEBURY STATE AIRPORT
PROJ. AIR NO. 03-2059
SHEET 5 OF 22

PLATE 1 SINGLE PLAN - PROFILE
CHARLES BRUNING CO.

BORING SHEET



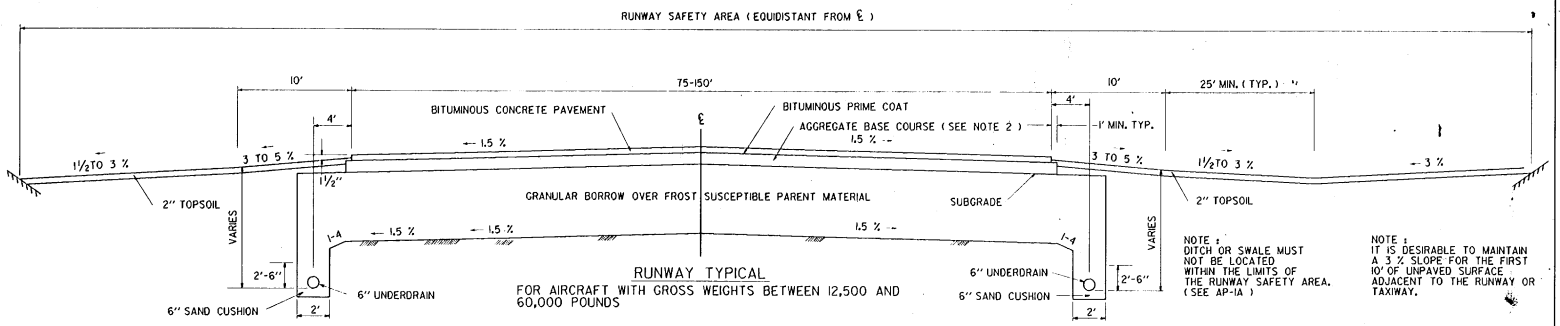
NOTES

1. PAVEMENT DESIGN IS BASED ON CURRENT FAA ADVISORY CIRCULAR .

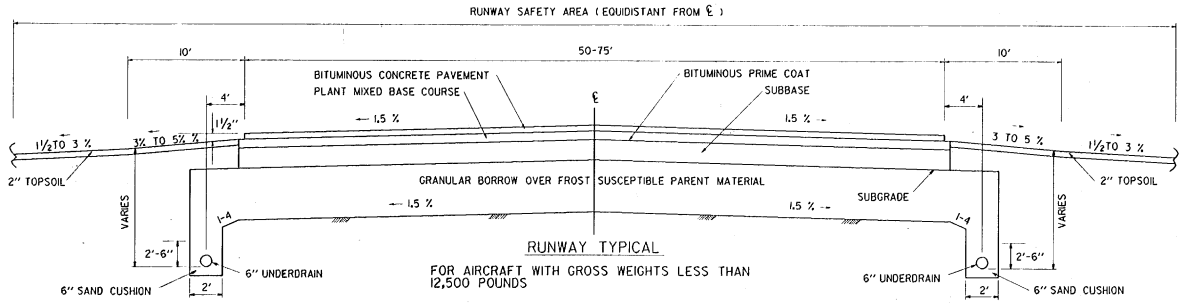
AIRPORT	AVG. FROST PENETRATION	REQUIRED PAVEMENT SECTION FOR 65 % FROST PROTECTION (MINIMUM)	REQUIRED PAVEMENT SECTION FOR 80 % FROST PROTECTION (DESIRED)
BENNINGTON	58"	38"	46"
CALEDONIA	72"	47"	58"
E.F. KNAPP	70"	45"	56"
FRANKLIN	70"	45"	56"
MIDDLEBURY	65"	42"	52"
MORRISVILLE-STOWE	72"	47"	58"
NEWPORT	75"	49"	60"
RUTLAND	65"	42"	52"
HARTNESS	60"	39"	48"

2. FOR SURFACES DESIGNED FOR AIRCRAFT WITH GROSS TAKEOFF WEIGHTS GREATER THAN 30,000 POUNDS, USE CRUSHED AGGREGATE BASE COURSE, TYPE II.
FOR SURFACES DESIGNED FOR AIRCRAFT WITH GROSS TAKEOFF WEIGHTS BETWEEN 12,500 POUNDS AND 30,000 POUNDS, USE EITHER CRUSHED AGGREGATE BASE COURSE, TYPE I OR UNCRUSHED AGGREGATE BASE COURSE.

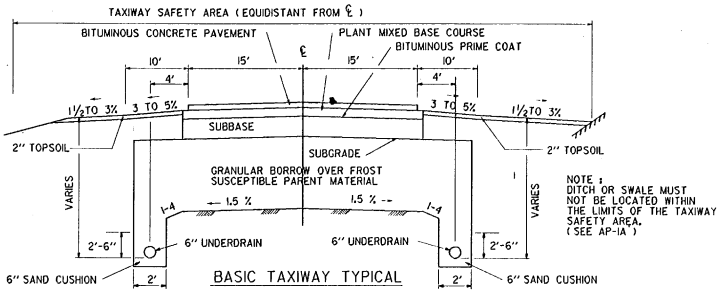
3. FOR AIRPORT DESIGN GROUP CRITERIA, REFER TO CURRENT FAA ADVISORY CIRCULAR .



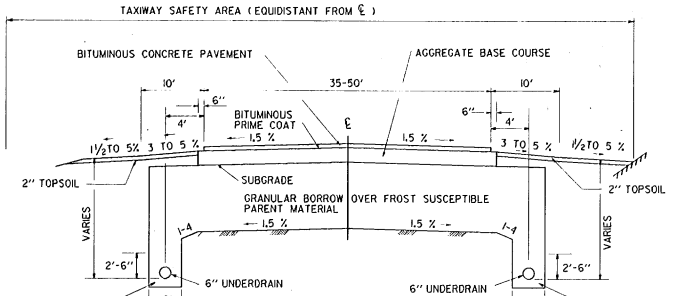
RUNWAY TYPICAL
FOR AIRCRAFT WITH GROSS WEIGHTS BETWEEN 12,500 AND 60,000 POUNDS



RUNWAY TYPICAL
FOR AIRCRAFT WITH GROSS WEIGHTS LESS THAN 12,500 POUNDS



BASIC TAXIWAY TYPICAL
FOR AIRCRAFT WITH GROSS WEIGHTS LESS THAN 12,500 POUNDS



TAXIWAY TYPICAL
FOR AIRCRAFT WITH GROSS WEIGHTS BETWEEN 12,500 AND 60,000 POUNDS

REVISIONS AND CORRECTIONS
SHEET UPDATED MARCH 5,1990

APPROVED March 13 1990
DATE

Graham A. McArthur
DIRECTOR, PLANNING AND PRECONSTRUCTION
Clinton Mayo
DIRECTOR, DESIGN DIVISION

RUNWAY AND TAXIWAY TYPICALS

VERMONT AGENCY OF TRANSPORTATION

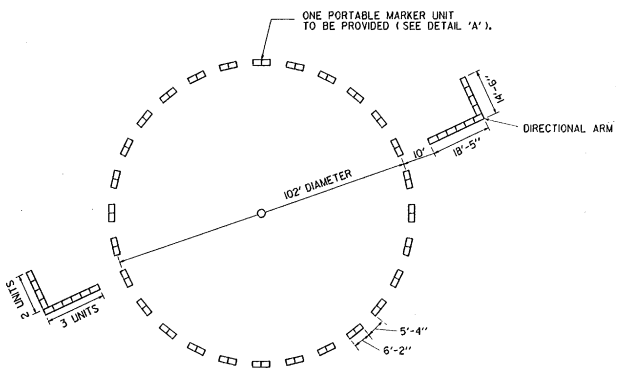
STANDARD
AP-1

SHEET 19 OF 22 SHEETS

NOTES

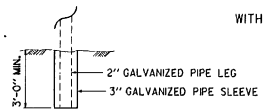
1. THE LOCATION OF THE PORTABLE MARKER UNIT SHALL BE AS ORDERED BY THE ENGINEER.

2. DIRECTIONAL ARMS ARE INSTALLED ONLY ON AIRPORTS WITH A NON-STANDARD TRAFFIC PATTERN (RIGHT-HAND PATTERN). WHEN INSTALLED, DIRECTIONAL ARMS WILL BE MAGNETICALLY ORIENTED TO THE RUNWAY AND WILL SHOW TRAFFIC PATTERN ON EACH RUNWAY.



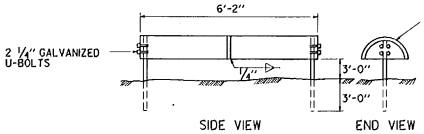
SEGMENTED CIRCLE LAYOUT

WITH DIRECTIONAL ARMS



LEG DETAIL FOR PORTABLE MARKER UNIT

DETAIL 'A'

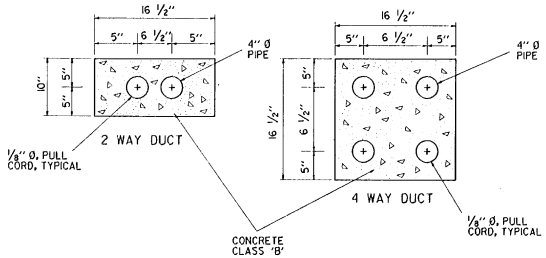


MARKER UNIT — STANDARD 55 GALLON METAL DRUM, CUT IN HALF AND WELDED END TO END. MARKER UNITS TO BE PAINTED AVIATION ORANGE.

PORTABLE UNIT HAS LEGS OF 2" Ø GALVANIZED PIPE. STATIONARY UNITS HAVE LEGS OF 2" Ø GALVANIZED PIPE OR 1 1/2" x 1/8" L (GALV.).

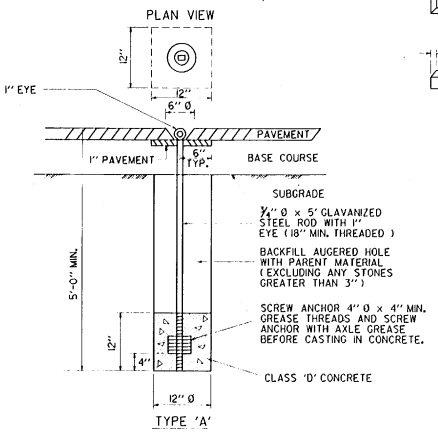
SEGMENTED CIRCLE MARKER UNIT

SECTION A-A

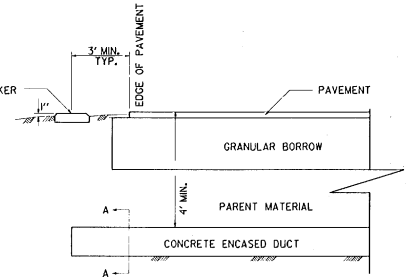


ALL DUCTS, EXCEPT STEEL CONDUIT, INSTALLED UNDER RUNWAYS, TAXIWAYS, APRONS, AND OTHER PAVED AREAS SHALL BE ENCASED IN A CONCRETE ENVELOPE

SEE STANDARD AP-2 FOR DIRECT BURIAL CABLE DETAILS.

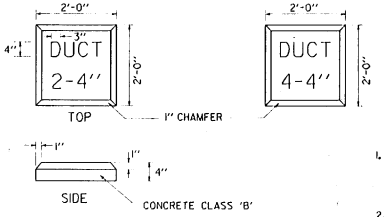


AIRCRAFT TIE DOWN ANCHOR



AIRPORT UNDERGROUND ELECTRICAL DUCT

(IN EARTH)

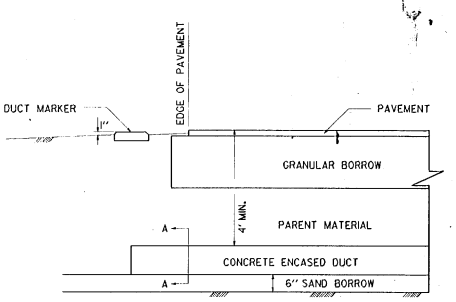


DUCT MARKERS

NOTES

1. LETTERING ON DUCT MARKERS TO BE EMBOSSED, 'V' CUT, 1/2 " DEEP.

2. HAND LETTERING NOT ALLOWED



AIRPORT UNDERGROUND ELECTRICAL DUCT

(IN ROCK)

REVISIONS AND CORRECTIONS
SHEET UPDATED MARCH 5,1990

APPROVED

MAR 13 '90
MARCH 13, 1990
DATE

Gordon S. MacMillan
DIRECTOR, PLANNING AND RECONSTRUCTION

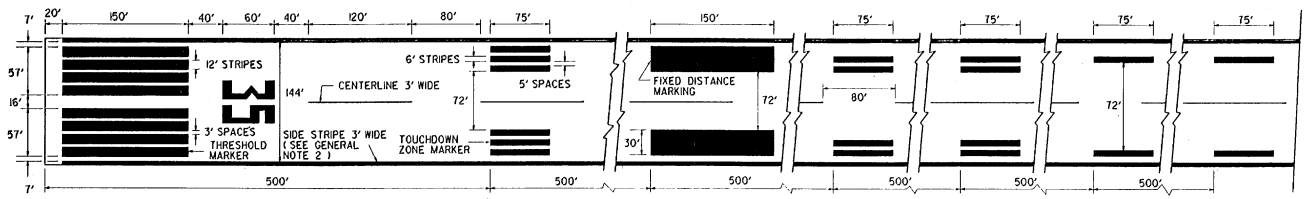
Kevin Murphy
DIRECTOR, DESIGN DIVISION

MISCELLANEOUS AIRPORT DETAILS

VERMONT AGENCY OF TRANSPORTATION

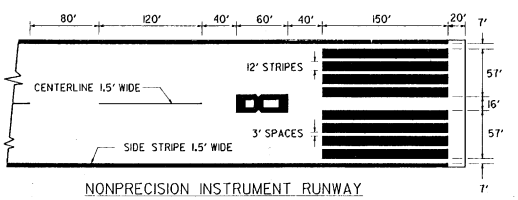
STANDARD AP-3

SHEET 20 OF 22 SHEETS



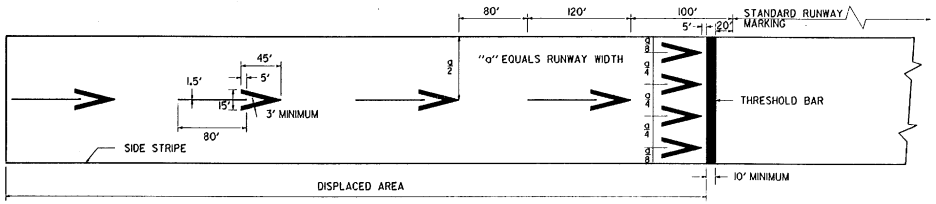
PRECISION INSTRUMENT RUNWAY

NOT TO SCALE



NONPRECISION INSTRUMENT RUNWAY

NOT TO SCALE

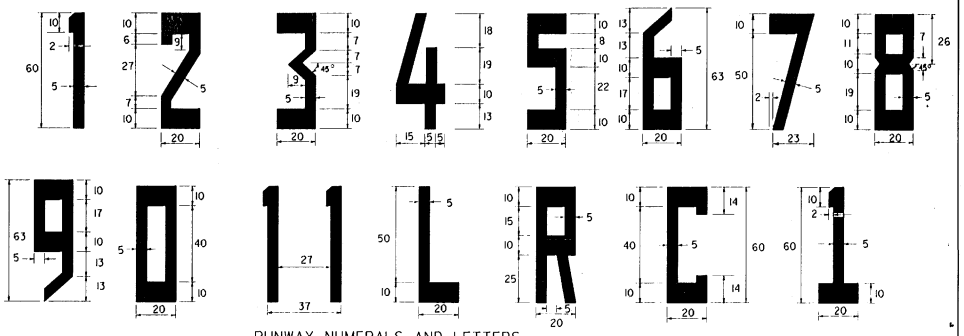


DISPLACED THRESHOLD MARKINGS

NOT TO SCALE

NOTES

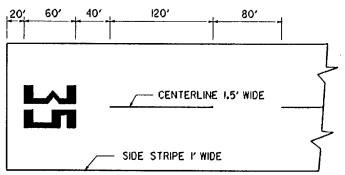
1. FOUR ARROWHEADS ARE PLACED SYMMETRICALLY ACROSS RUNWAY WITH UNIFORM LATERAL SPACING AS INDICATED.
2. ALL MARKINGS IN THE DISPLACED AREA ARE YELLOW EXCEPT THE THRESHOLD BAR WHICH IS WHITE.
3. RUNWAY SIDE STRIPES, WHEN USED ON THE RUNWAY, EXTEND INTO THE DISPLACED AREA.



RUNWAY NUMERALS AND LETTERS

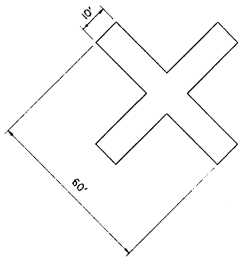
NOTES

1. ALL LETTERS AND NUMERALS, EXCEPT THE NUMBER ELEVEN AS SHOWN, ARE HORIZONTALLY SPACED 15 FEET APART.
2. DIMENSIONS ARE EXPRESSSED IN FEET.
3. THE NUMERAL ONE, WHEN USED ALONE, CONTAINS A HORIZONTAL BAR TO DIFFERENTIATE IT FROM THE RUNWAY CENTERLINE MARKING.



VISUAL RUNWAY

NOT TO SCALE



TEMPORARY
CLOSED RUNWAY MARKER

TEMPORARY
CLOSED RUNWAY MARKER NOTES :

1. MARKERS TO BE YELLOW PLYWOOD OR SNOW FENCE.
2. MARKERS TO BE SUBSIDIARY TO OTHER PAY ITEMS.
3. MARKERS TO BE PLACED OVER RUNWAY NUMERALS OR OFF THE RUNWAY ENDS AS APPLICABLE.
4. MARKERS TO BE ANCHORED TO THE SATISFACTION OF THE ENGINEER.

GENERAL NOTES

1. ALL RUNWAY MARKINGS ARE WHITE EXCEPT IN THE DISPLACED THRESHOLD AREA AND NON FULL STRENGTH SHOULDER MARKINGS.
2. FOR RUNWAYS LESS THAN 150' IN WIDTH, THE WIDTH OF THE MARKINGS, SPACES BETWEEN MARKINGS, AND DISTANCE OF MARKINGS FROM THE RUNWAY EDGE ARE CHANGED PROPORTIONALLY.
3. ADJUSTMENTS TO THE LENGTH OF THE CENTERLINE STRIPES AND GAPS, WHERE NECESSARY TO ACCOMMODATE THE RUNWAY LENGTH, ARE MADE NEAR THE RUNWAY MIDPOINT.
4. ALL RUNWAY MARKINGS ARE TO BE STRIATED WITH ALL STRIPES AND SPACES EQUAL IN WIDTH (4" TO 6").

NOTE :
MARKING OF RUNWAY SHOULD BE
BASED ON FAA SPECIFICATIONS.
SEE CURRENT FAA ADVISORY CIRCULAR.

REVISIONS AND CORRECTIONS
SHEET UPDATED MARCH 5,1990

APPROVED March 23, 1990
DATE

Gordon S.B. MacAllaster
DIRECTOR, PLANNING AND RECONSTRUCTION

DIRECTOR, DESIGN DIVISION

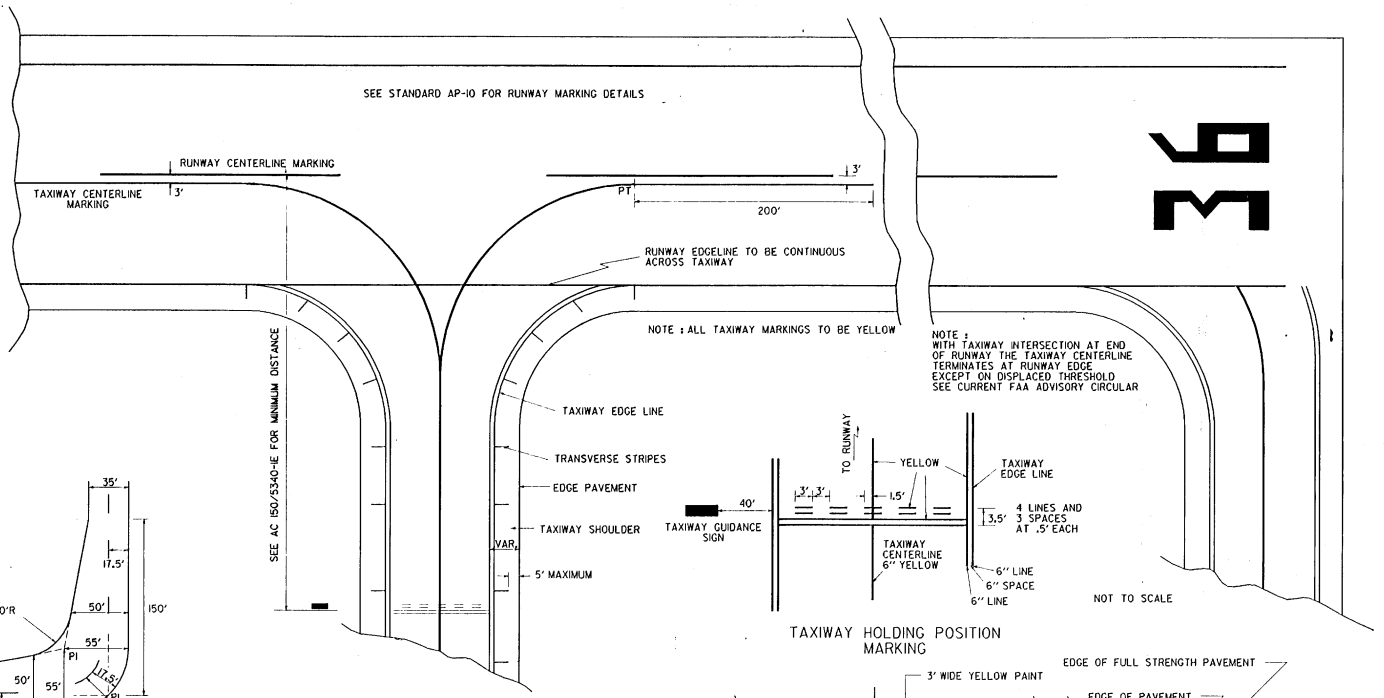
RUNWAY MARKING DETAILS

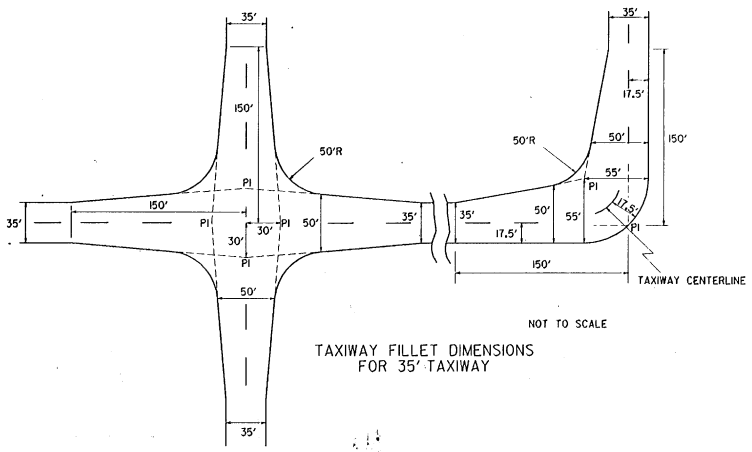
VERMONT AGENCY OF TRANSPORTATION

STANDARD
AP-10

SHEET 21 OF 22 SHEETS

NOTE :
ON LIGHT COLORED PAVEMENTS THE CONTRAST OF THE MARKINGS IS TO BE INCREASED BY OUTLINING ALL MARKINGS WITH A 6" BLACK BORDER.



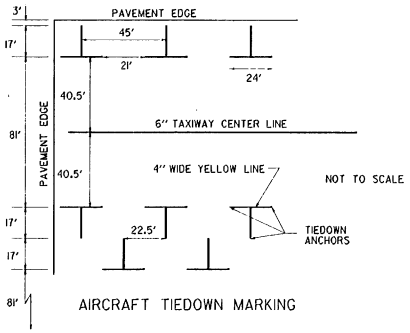


NOT TO SCALE

TAXIWAY FILLET DIMENSIONS FOR 35' TAXIWAY

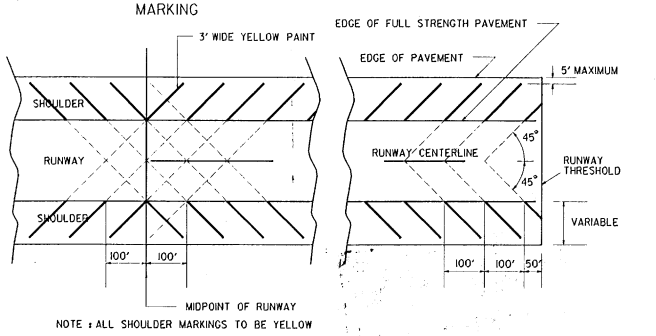
NOT TO SCALE

TAXIWAY HOLDING POSITION MARKING



NOT TO SCALE

AIRCRAFT TIEDOWN MARKING



NOTE : ALL SHOULDER MARKINGS TO BE YELLOW

NON-FULL STRENGTH RUNWAY SHOULDER MARKING

REVISIONS AND CORRECTIONS
SHEET UPDATED MARCH 1,1990

APPROVED Mar 23 '79 1990
DATE

Gordon B. Mac Arthur
DIRECTOR, PLANNING AND PRECONSTRUCTION

DIRECTOR, DESIGN DIVISION

TAXIWAY AND APRON MARKING DETAILS

VERMONT AGENCY OF TRANSPORTATION

STANDARD
AP-11

SHEET 22 OF 22 SHEETS

FINAL DRAINAGE SUMMARY

PREPARED BY J.D. - KGA - 3-7-90 PROJECT
CHECKED BY VBJ 3-5-90 NO.

DANVILLE F EGC F 028-3(16)

UNDER DRAIN

STATION	STATION	POS	D.			L O	L U	TRENCH EARTH	TRENCH ROCK	DRAIN BKF	FB	MP
161+00	161+25	RT-LT	6			94						
161+25	169+50	LT	6				825	546.9	7.7		2	1
169+00	169+50	RT-LT	6			90						
169+50	173+00	LT	6				350	137.4			1	1
169+00	169+25	RT	6			33						
169+25	172+00	RT	6				275	80.0			1	
173+00		Rt	6			123						
173+00	178+00	LT	6				500	203.4			1	1
178+18	181+88	LT	6			37	238	128.2			1	
181+90	184+50	LT	6			14	250	61.8			1	
184+50	186+30	LT	6			3	180	48.0			1	
186+30	188+35	LT	6			35	170	63.6				
193+00	197+00	RT	6				400	146.0			1	1
197+00	197+50	RT	6			65						
198+70	200+20	LT	6				650	241.9			1	1
200+20	200+50	LT	6			35						1
209+00	214+00	RT	6			64	470	93.8	4.6		1	1
210+25	211+00	RT-LT	6			78						
211+00	215+00	LT	6				400	108.4			1	
208+00	210+90	LT	6				260	39.3	28.9			
209+00		Rt	6			82						
201+46	202+60	LT	6			20	100	41.2			1	
202+96.5						40						
TOTALS						753	5208	1979.8	41.0		13	7

-3-9-90 VBJ

DRAWING SHOWING THE
MIDDLEBURY STATE AIRPORT
03-2059 & 2069 PROJECTS
FOR AIRPORT PLANNERS
SCALE 1"=50'

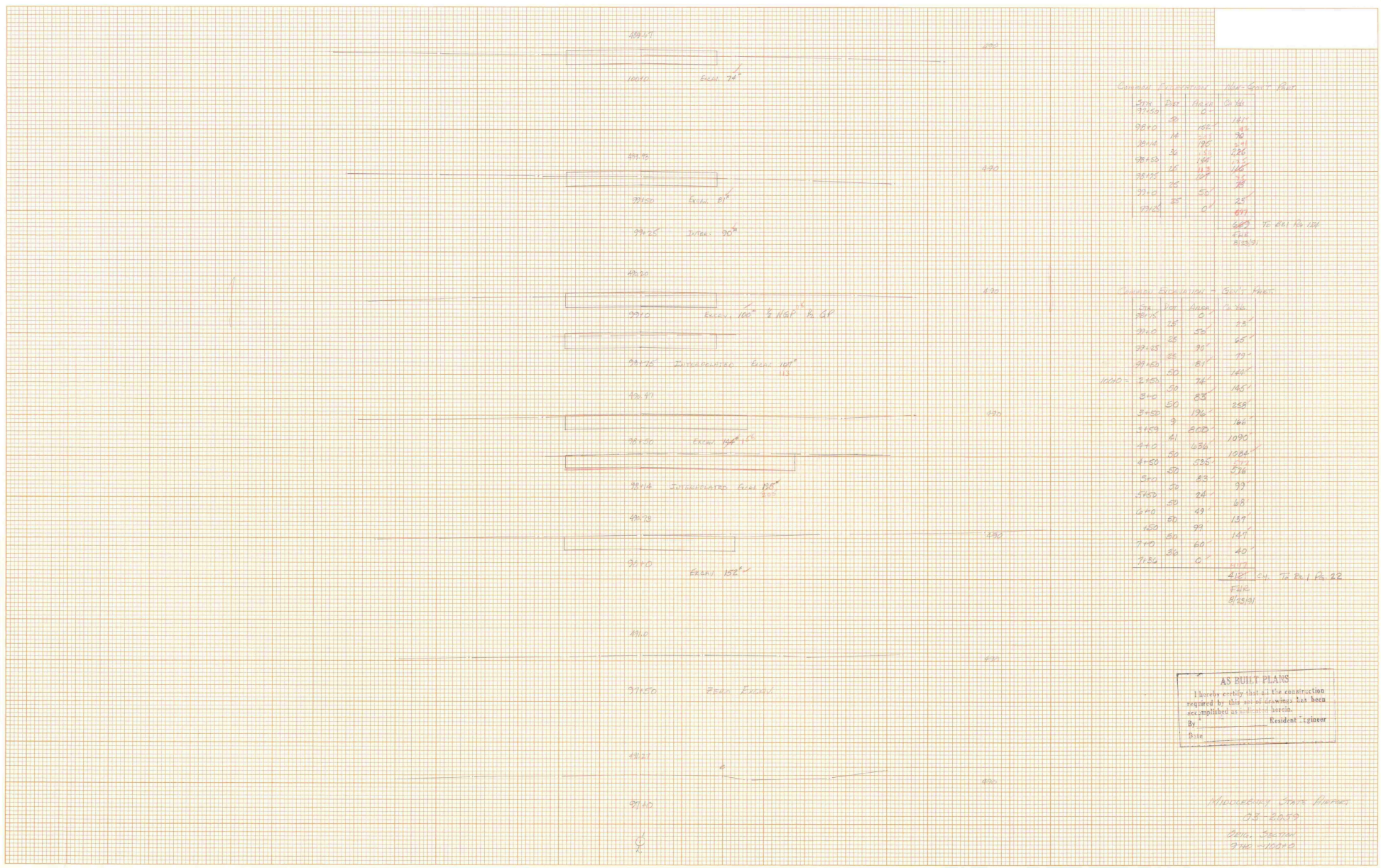
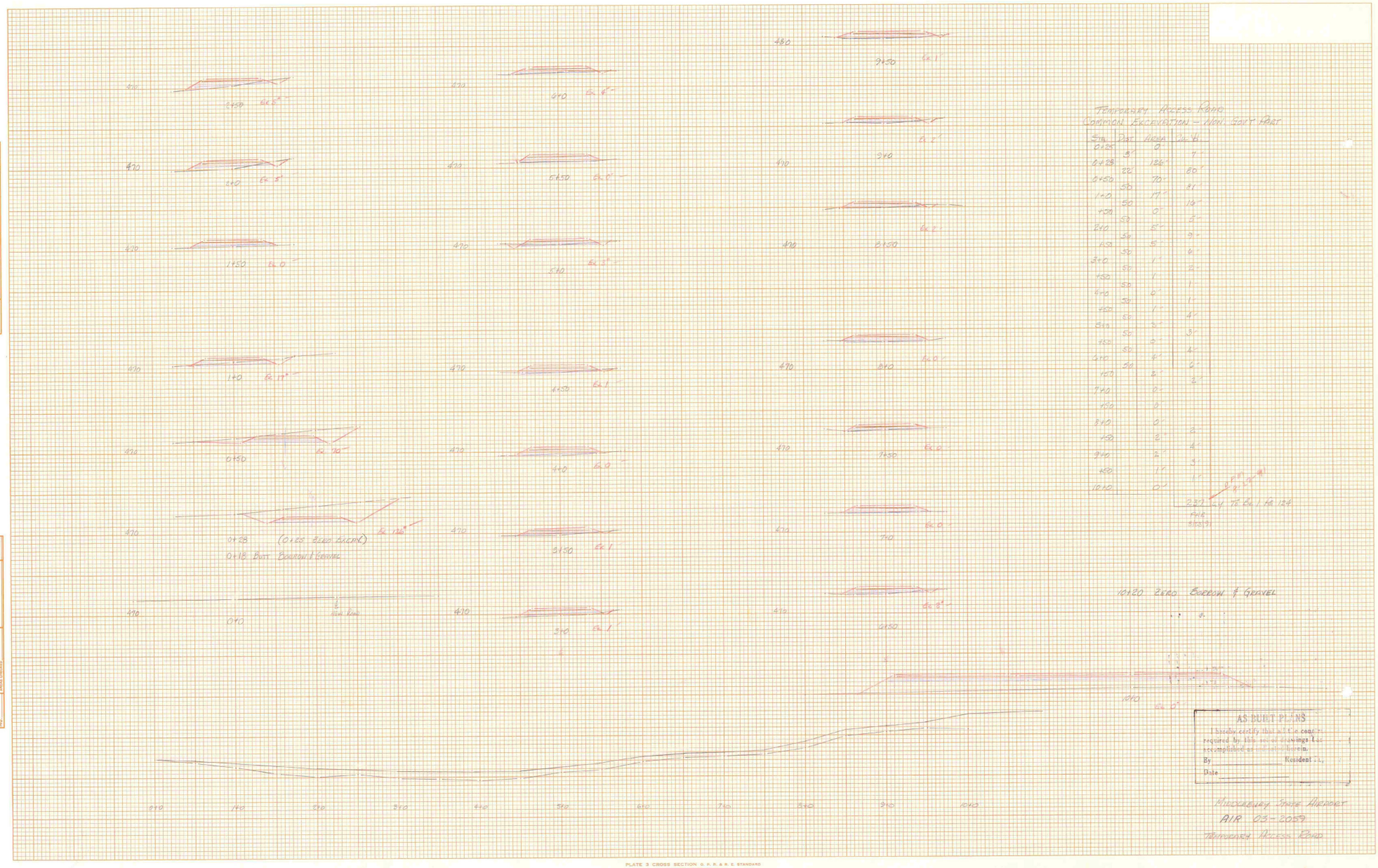
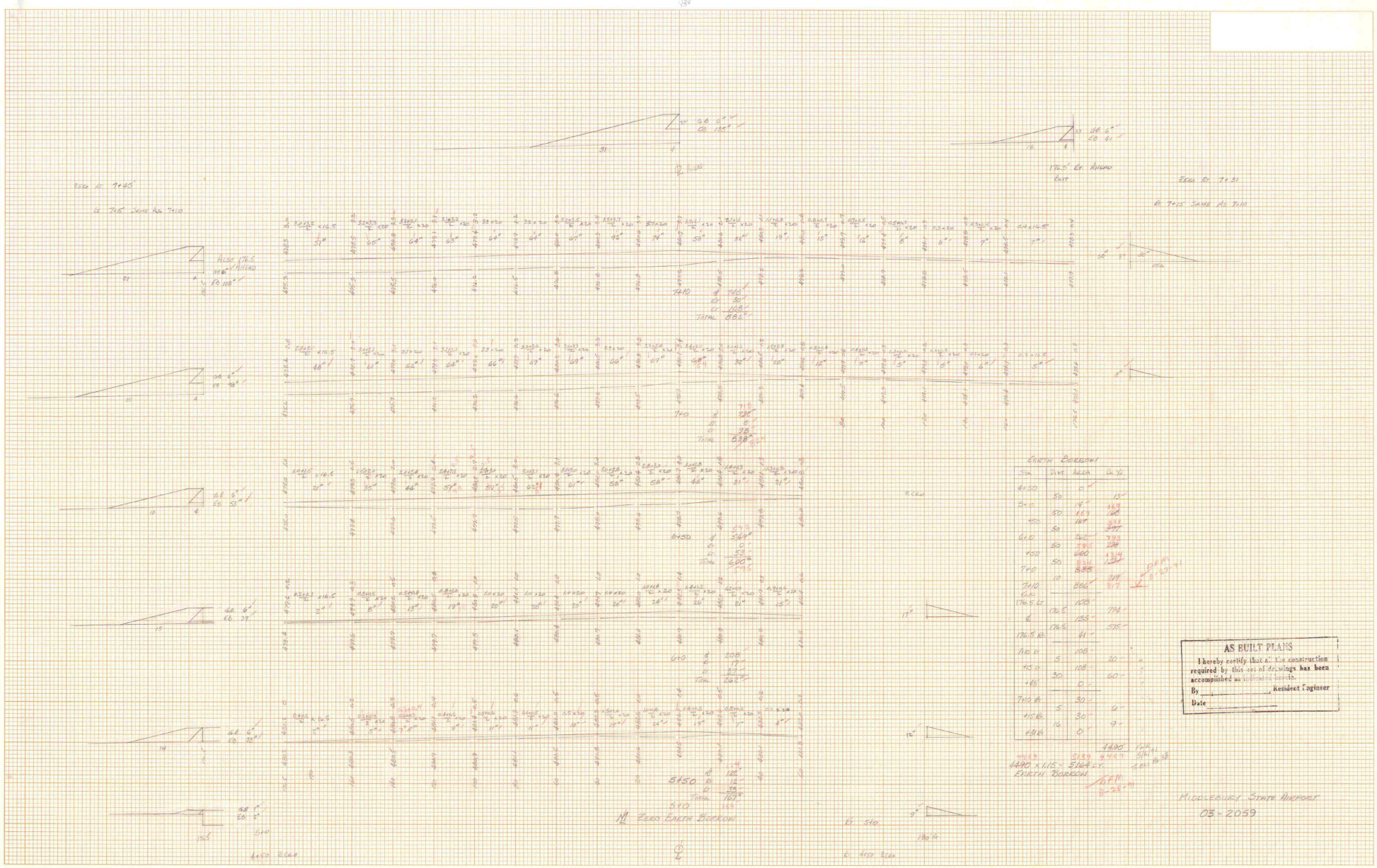
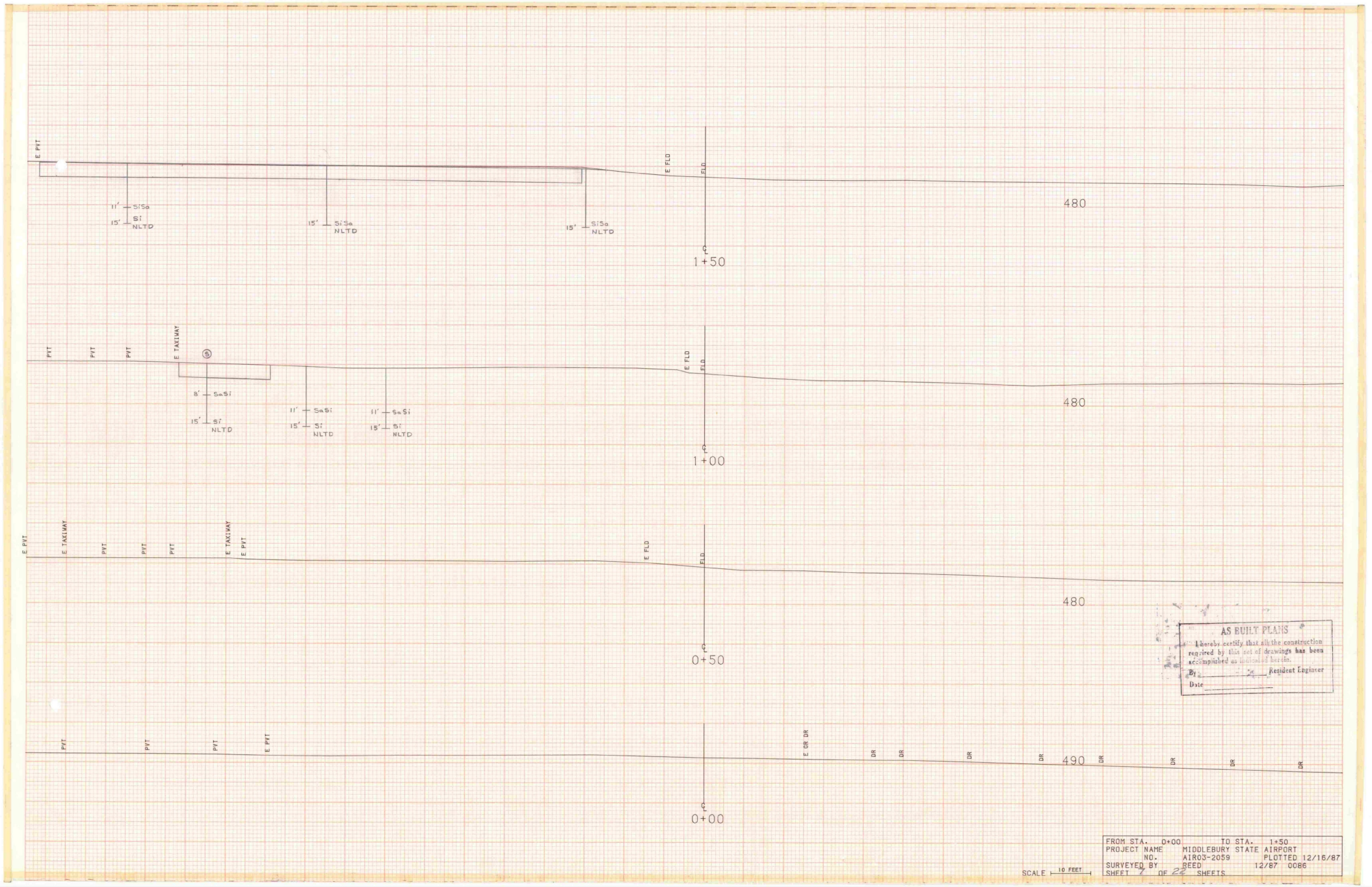


PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
DIETZGEN CORPORATION


Temporary Access Road
Common Excavation – Non Solid Rock
Sta. Dist. Area Cu. Yd.
0+25 3' 12 7
0+28 22' 126' 80'
0+50 50' 70' 81'
1+00 50' 17' 19'
1+50 50' 0' 3'
2+00 50' 5' 0'
2+50 50' 5' 6'
3+00 50' 1' 2'
3+50 50' 1' 1'
4+00 50' 0' 1'
4+50 50' 1' 4'
5+00 50' 2' 5'
5+50 50' 3' 5'
6+00 50' 3' 4'
6+50 50' 2' 4'
7+00 50' 2' 2'
7+50 0' 3'
8+00 0' 2'
8+50 2' 4'
9+00 2' 4'
9+50 1' 2'
10+00 0' 1'
10+20 2580 Excavation & Gravel
AS-BUILT PLANS
I hereby certify that all is complete as required by the contract drawings & specifications.
By Resident Engineer
Date
Marquette County Airport
AIR 03-2059
Temporary Access Road
PLATE 3 CROSS SECTION G. P. R. & R. E. STANDARD
DETZGEN CORPORATION


ORIGINAL SURVEY NOTE BOOK No.
FINAL SURVEY NOTE BOOK No.
ZERO EL. 7+45
EL 7+15 SAME AS 7+10
ALSO 176.5 FINISHED
ZERO EL. 7+31
EL 7+15 SAME AS 7+10
EARTH BORROW
Sta
6+50
6+00
5+50
5+00
4+50
7+10
7+45
7+10 Rt
7+10 Lt
176.5 Lt
176.5
176.5 Rt
110 Lt
115 Lt
115 Rt
ZERO EL. 6+50
ZERO EARTH BORROW
AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated hereon.
By _____ Resident Engineer
Date _____
MIDDLEBURY STATE AIRPORT
03-2059
PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
DIETGEN CORPORATION



AS BUILT PLANS

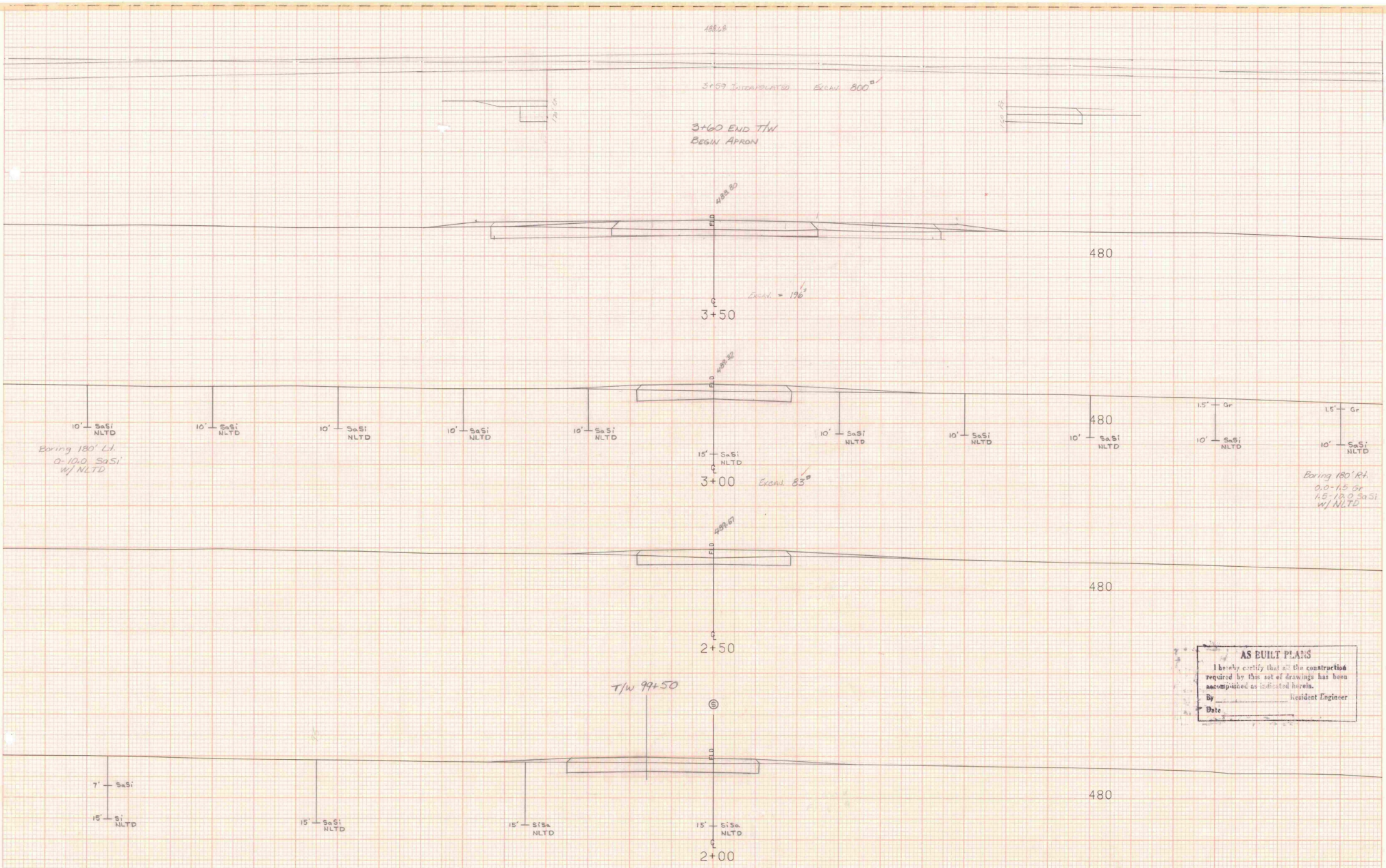
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.

By _____ Resident Engineer

Date _____

FROM STA.	0+00	TO STA.	1+50
PROJECT NAME	MIDDLEBURY STATE AIRPORT		
NO.	AIR03-2059	PLOTTED	12/16/87
SURVEYED BY	REED	12/87	0086
SHEET 7	OF 22 SHEETS		

SCALE 10 FEET



AS BUILT PLANS

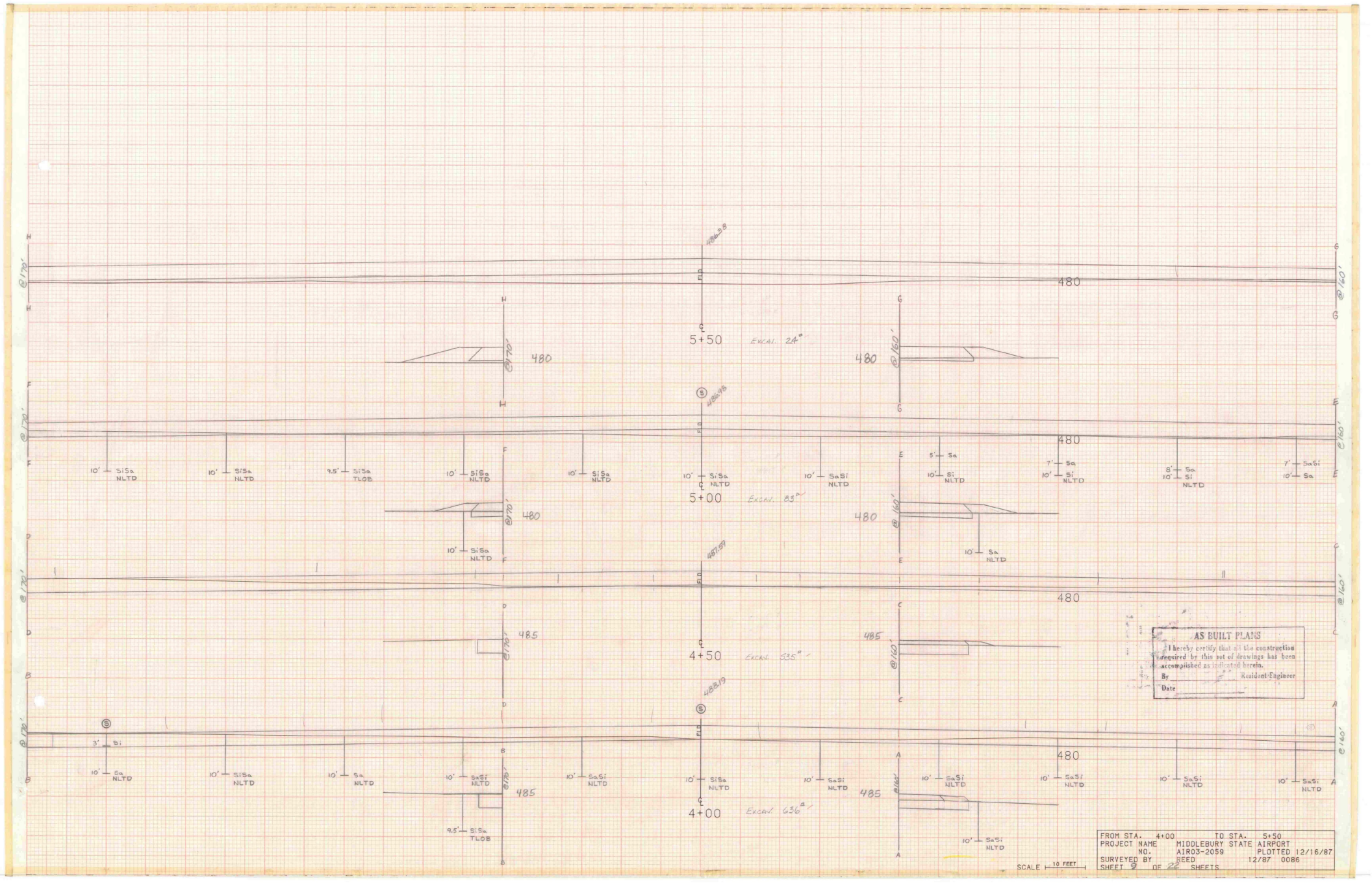
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.

By _____ Resident Engineer

Date _____

FROM STA. 2+00		TO STA. 3+50	
PROJECT NAME	MIDDLEBURY STATE AIRPORT		
NO.	AIR03-2059	PLOTTED	12/16/87
SURVEYED BY	REED	12/87	0086
SHEET 8 OF 22 SHEETS			

SCALE 10 FEET



AS BUILT PLANS

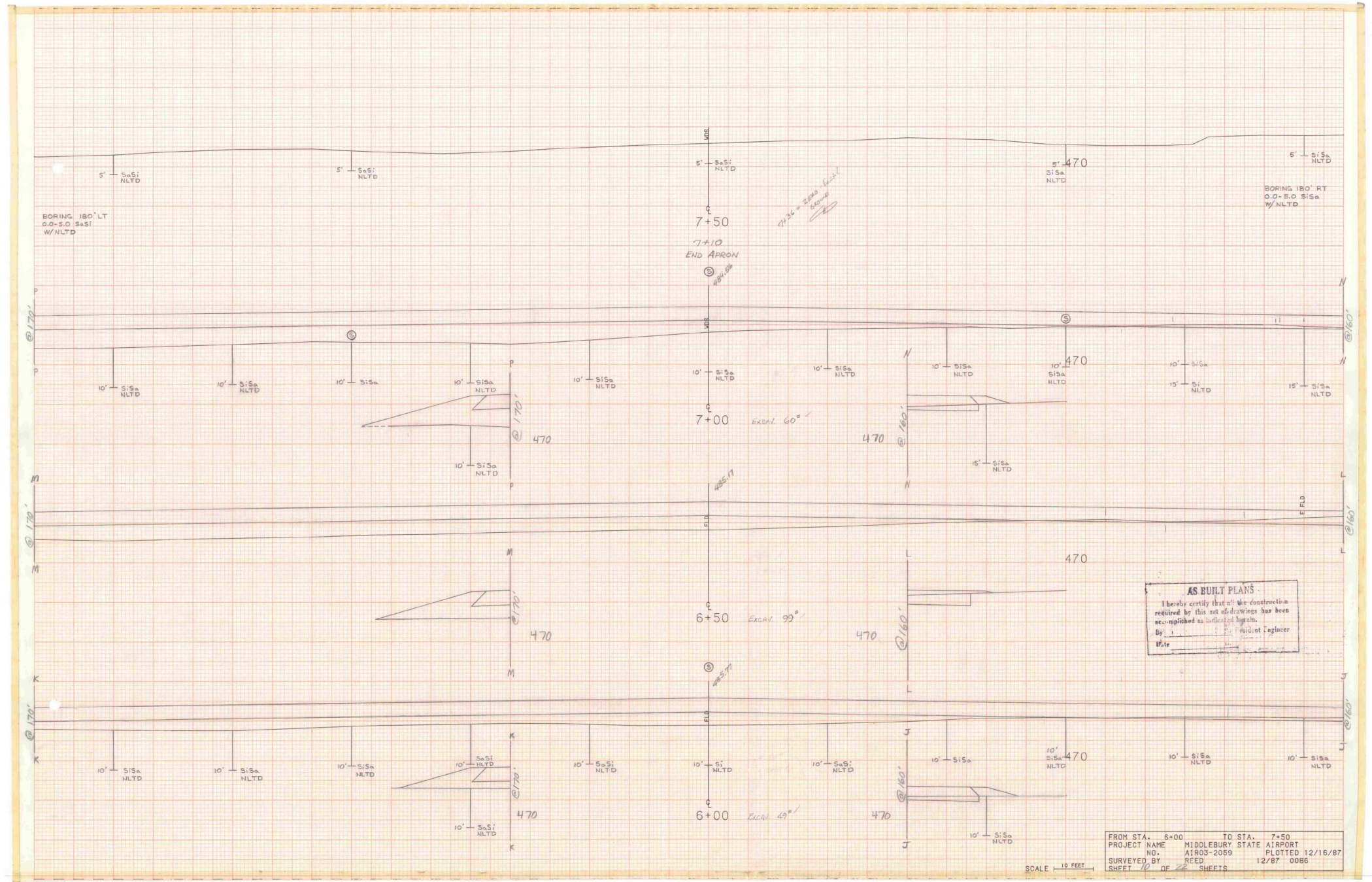
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.

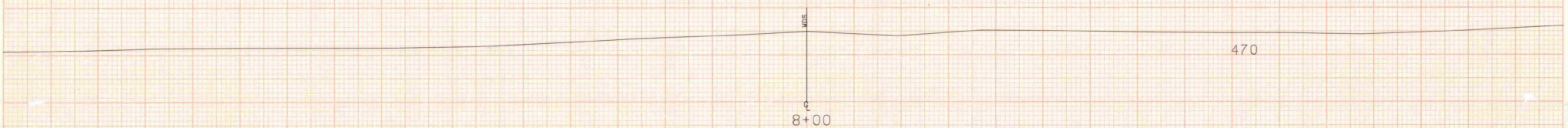
By _____ Resident Engineer

Date _____

FROM STA.	4+00	TO STA.	5+50
PROJECT NAME	MIDDLEBURY STATE AIRPORT		
NO.	AIR03-2059	PLOTTED	12/16/87
SURVEYED BY	REED	12/87	0086
SHEET 9	OF 22	SHEETS	

SCALE 10 FEET


BORING 180' LT
0.0-5.0 SaSi
W/NLTD
5' — SaSi NLTD
5' — SaSi NLTD
5' — SaSi NLTD
5' 470 SiSa NLTD
5' — SiSa NLTD
BORING 180' RT
0.0-5.0 SiSa
W/NLTD
7+50
7+10
END APRON
7+00
EXCAV. 60 CY
6+50
EXCAV. 99 CY
6+00
EXCAV. 49 CY
10' — SiSa NLTD
10' — SaSi NLTD
10' — Si NLTD
15' — SiSa NLTD
15' — Si NLTD
470
@170'
@160'
E.P.
E.P.D.
AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated hereon.
By: Resident Engineer
Date:
FROM STA. 6+00 TO STA. 7+50
PROJECT NAME MIDDLEBURY STATE AIRPORT
NO. AIR03-2059 PLOTTED 12/16/87
SURVEYED BY REED 12/87 0086
SHEET 10 OF 22 SHEETS
SCALE 10 FEET



AS BUILT PLANS

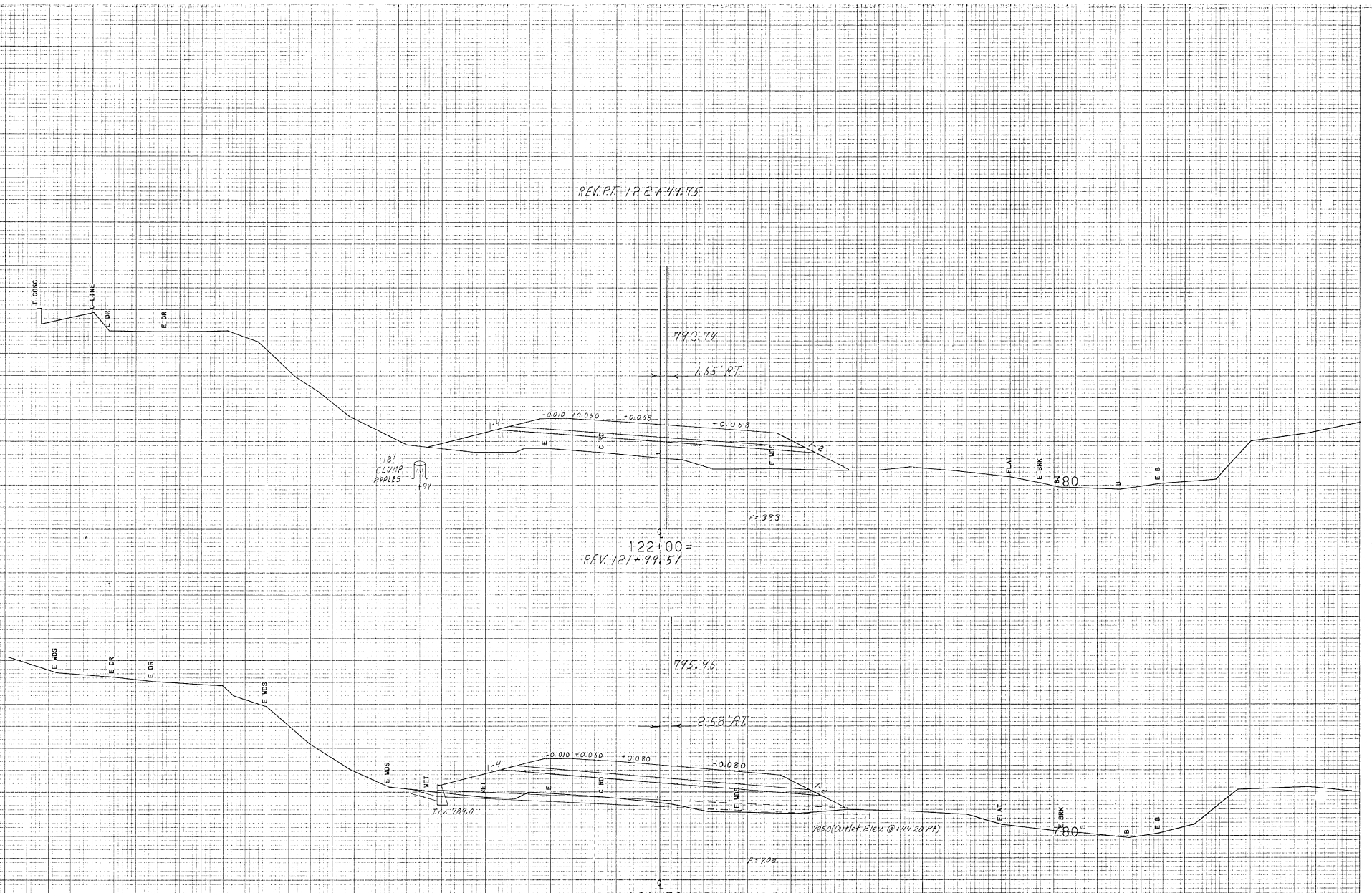
I Hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.

By _____ Resident Engineer

Date _____

SCALE 10 FEET

FROM STA. 8+00		TO STA. 8+00	
PROJECT NAME	MIDDLEBURY STATE AIRPORT		
NO.	AIR03-2059	PLOTTED	12/16/87
SURVEYED BY	REED	12/87	0086
SHEET 11 OF 22 SHEETS			


REV. P.I. 122+49.95
T CONC
C-LINE
E DR
E DR
793.14
1.65' RT.
-0.010 +0.060
+0.068
-0.068
1:4
1:2
C RD
E
E
E WDS
12" CLUMP APPLES
+94
F=383
122+00 =
REV. 121+99.51
FLAT
E BRK
780
B
E B
E WDS
E DR
E DR
E WDS
795.96
2.58' RT.
-0.010 +0.060
+0.080
-0.080
1:4
1:2
NET
NET
E
C RD
E
E WDS
INV. 784.0
7850 (Outlet Elev. @ 144.20 RT)
FLAT
E BRK
780
B
E B
F=402
121+50 = Rev. 121+49.72
121+50 Lt ~ 121+60 Rt
New 18"x 94' PCCSP, .064, CAAP, .060 or CPEP(SL)
w/ Straight Headwall @ Inlet, Stone Fill Type I
@ Inlet + Outlet
SCALE: 1" = 10 FEET
FROM STA. 121+50 TO STA. 122+00
PROJECT NAME BRATTLEBORO REV.
NO. HES010-1(30) PLOTTED 12/09/87
SURVEYED BY FALL 1/87 0084
SHEET 25 OF 121 SHEETS

Vermont Agency of
Transportation
PHASE 2-INTERSTATE
#122302-01

INITIALS ☐ Hanger 2588 DONE

Airport
1994

Middlebury
AIR-03-2059

1994