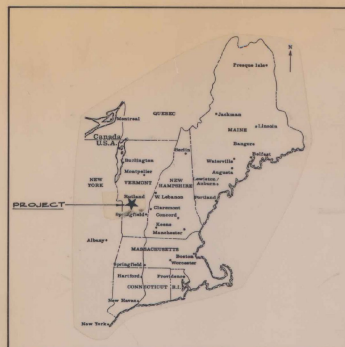


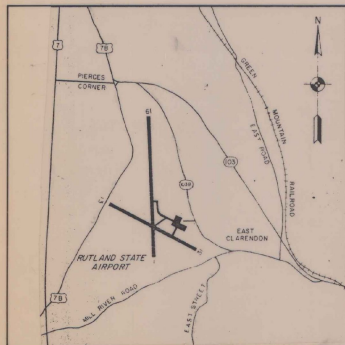
PLANS FOR

AIRPORT IMPROVEMENTS

TO INCLUDE: (1) RECONSTRUCT/REHABILITATE, MARK, AND LIGHT RUNWAY 13-31 (75' X 3260')
(2) INSTALL REILS AND PAPI ON RUNWAY 13



LOCATION MAP



VICINITY MAP

RUTLAND STATE AIRPORT
CLARENDON, VERMONT

A.I.P. PROJECT NO. 3-50-0015-06

A.I.R. 03-2043

INDEX OF SHEETS

NO.	DESCRIPTION
1	TITLE SHEET
2	SITE PLAN
3	PLAN & PROFILE-STA. 8+50 TO STA. 22+00
4	PLAN & PROFILE -STA. 22+00 TO STA. 33+50
5,5A	PLAN & PROFILE-STA. 33+50 TO STA. 45+00
6	TYPICAL SECTIONS
7	LIGHTING PLAN
8	ELECTRICAL DETAILS
9	VAULT LAYOUT
10	DRAINAGE DETAILS
11	MARKING DIAGRAM
12	APPROACH AIDS
13	CROSS SECTIONS STA. -9+50 TO STA. 12+00
14	CROSS SECTIONS STA. -12+50 TO STA. 15+00
15	CROSS SECTIONS STA. -15+50 TO STA. 18+50
16	CROSS SECTIONS STA. -19+00 TO STA. 22+00
17	CROSS SECTIONS STA. -22+50 TO STA. 25+00
18	CROSS SECTION STA. -25+50 TO STA. 28+50
19	CROSS SECTIONS STA. -29+00 TO STA. 31+50
20	CROSS SECTIONS STA. -32+00 TO STA. 34+50
21	CROSS SECTION STA. -35+00 TO STA. 37+50
22	CROSS SECTIONS STA. -38+00 TO STA. 40+50
23	CROSS SECTIONS STA. -41+00 TO STA. 43+00
24	CROSS SECTIONS STA. -43+50 TO STA. 45+00
25-28	CROSS SECTIONS - STA. 45+50 TO STA. 50+00
29	PROFILE
30	EARTHWORK SHEET
D-6	VT STANDARDS REINFORCED CONCRETE DROP INLET WITH GRATE (4/73 R)
D-II	VT STANDARDS CAST IRON GRATE AND COVER (8-81 R)

VERMONT AGENCY OF TRANSPORTATION
APPROVED: *Frank J. Smith* 8/22/1985
DIRECTOR OF ENGINEERING AND CONSTRUCTION
DATE: _____

FEDERAL AVIATION ADMINISTRATION
APPROVED: _____
CHIEF, AIRPORT ENGINEERING AND SAFETY BRANCH
DATE: _____

ITEM NO.	DESCRIPTION	QUANTITY	ITEM NO.	DESCRIPTION	QUANTITY
201.10	Clearing and Grubbing	Lump Sum	864.01	Cold Mixed Recycled Base Course	6820 c.y.
203.28	Excavation of Surfaces and Pavements	3,100 c.y.	864.02	Heterogeneous Concrete Pavement (P-401)	4,400 tons
203.17	Unclassified Excavation	11,162 c.y.	864.03	Runway and Taxiway	11,010 s.f.
203.30	Earth Borrow	3,515 c.y.	864.04	Cable Trench (L-108)	1,460 l.f.
203.32	Granular Borrow	11,120 c.y.	864.05	1/2" #6 L-228 '6' SEV (L-108)	17,500 l.f.
203.40	Fine Grading Subgrade	19,080 s.y.	864.06	#8 Bare Counterpoise (L-108)	8,600 l.f.
204.20	Trench Excavation, Earth	3,360 c.y.	864.07	Installation of Airport Transformer Vault Equipment (L-109)	Lump Sum
204.21	Trench Excavation, Rock	332 c.y.	864.08	2' x 4' dia., Duct (L-110)	497 l.f.
404.55	Cutback Asphalt	91 cwt.	864.09	4' x 4' dia., Duct (L-110)	81 l.f.
501.25	Concrete, Class B	2.1 c.y.	864.10	Medium Intensity Runway Lights, Base Mounted (L-125)	45 each
507.15	Reinforcing steel	193 lbs.	864.11	Medium Intensity Taxiway Lights, Base Mounted (L-125)	8 each
601.0026	24" dia. CSP (0.79')	160 l.f.	864.12	Precision Approach Path Indicator, (PAPI) Style A Class 2 (L-881)	1 each
601.0225	24" CASP .060	380 l.f.	864.13	Runway End Identifier Lights, REILS (L-125)	1 each
601.0425	24" PCCSP .064	380 l.f.	864.14	Taxiway Guidance Sign, 5 Panel, Size 1, Style 2, Class 2 (L-125)	2 each
601.0825	24" RCP C1. III	380 l.f.			
604.40	Changing Elevations of Drop Inlets	20 each			
604.45	Cast Iron Grate w/frame Type A	1 each			
605.10	6" dia. Underdrain	2,250 l.f.			
605.20	6" dia. Carrier Pipe	200 l.f.			
605.95	Underdrain Flushing Basins	10 each			
608.25	R11 Purpose Excavator Rental T.L.	24 hours			
613.10	Stone Fill I	5 c.y.			
613.11	Stone Fill II, Type II	115 c.y.			
631.10	Engineer's Field Office Mobilization	Lump Sum			
635.10	Seed	565 lbs.			
651.15	Fertilizer	4715 lb.			
651.20	Agricultural Limestone	19 tons			
651.25	Hay Mulch	19 tons			
651.35	Topsoil	2205 c.y.			

QUANTITIES

JULY-1985

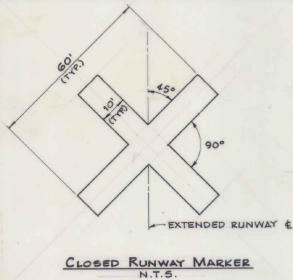
REVISED BY VAOT
MAY 1987

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: 8-22-80



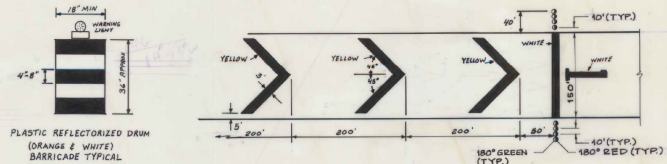
Consulting Engineers

Dufresne-Henry, Inc. certifies that the plans and specifications for the project were prepared in accordance with criteria contained in the current edition of F.A.A. Advisory Circulars.
Walter B. Lovett, Jr.
Walter B. Lovett, Jr., P.E. Director of Aviation Services



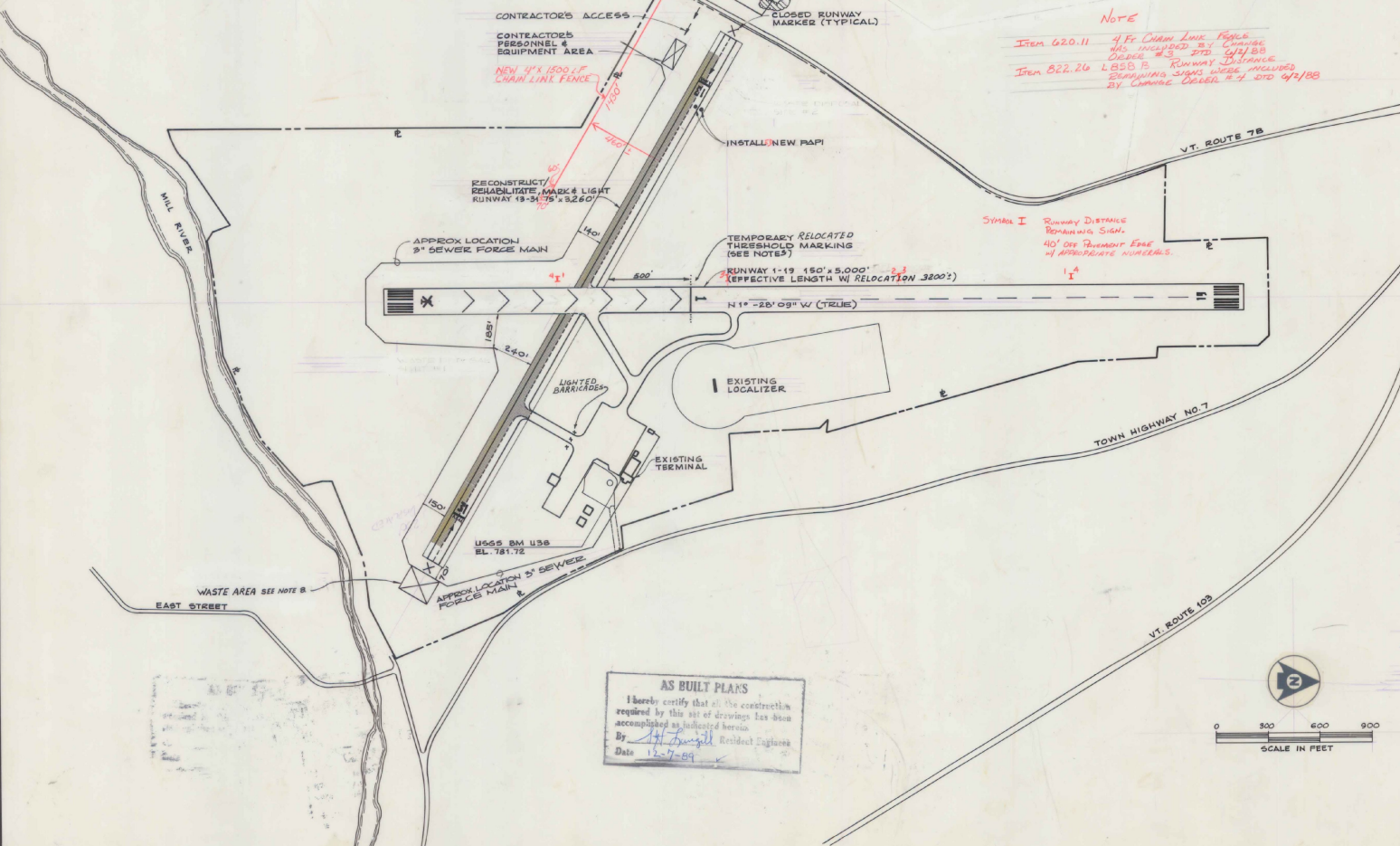
MARKER NOTES

1. CLOSED RUNWAY MARKER TO BE IN PLACE DURING CONSTRUCTION PERIOD AS DIRECTED BY ENGINEER.
2. CLOSED RUNWAY MARKER MAY BE EITHER, SNOW FENCE OR PLYWOOD PAINTED YELLOW & SECURELY FASTENED IN PLACE.
3. COST OF PLACING & MAINTAINING THE CLOSED RUNWAY MARKERS IS CONSIDERED NECESSARY & INCIDENTAL TO CONSTRUCTION & IS NOT A SEPARATE PAY ITEM.
4. CLOSED RUNWAY MARKER TO BE PLACED OVER EXISTING RUNWAY 1 IMMEDIATELY DURING RUNWAY 1 RELOCATION.



TEMPORARY RELOCATED THRESHOLD DETAIL N.T.S.

- NOTES:**
1. EIGHT TEMPORARY THRESHOLD LIGHTS ARE TO BE INSTALLED AS SHOWN.
 2. EACH LIGHT TO BE BATTERY OPERATED STEADY BURNING W/ 180° RED/180° GREEN LENS AS MANU. BY WIELAN ENGINEERING (DEEP RIVER, CT.) OR EQUAL.
 3. THE CONTRACTOR SHALL FURNISH ALL BATTERIES TO BE USED DURING THE CONSTRUCTION PERIOD.
 4. THE CARE & MAINTENANCE OF THE TEMPORARY LIGHTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 5. THE MAINTENANCE DIVISION OF THE VAST SHALL RETAIN POSSESSION OF THE LIGHTS AFTER COMPLETION OF CONSTRUCTION.
 6. THE COST OF THE TEMPORARY LIGHTS & BATTERIES IS NOT INCLUDED AS A SEPARATE PAY ITEM. THIS WORK IS NECESSARY & INCIDENTAL TO THE COST OF THE PROJECT.
 7. CONTRACTOR MAY AT HIS OPTION, INSTALL 8 MEDIUM INTENSITY THRESHOLD LIGHTS, COMPOSING TO PAAS SPEC L-861E IN LIEU OF BATTERY OPERATED LIGHTS.
 8. WASTE AREA TO BE GRADED, TOPSOILED, SEEDED & MULCHED AS ORDERED BY THE ENGINEER. THE USE OF THIS WASTE AREA WILL REQUIRE THAT A 24" PIPE (C73 THICKNESS) ITEM 601.1B23 BE PLACED IN THE EXISTING DRAINAGE SWALE, AS ORDERED BY THE ENGINEER.
 9. ALL MARKINGS IN THE RELOCATED THRESHOLD AREA ARE YELLOW EXCEPT THE THRESHOLD BAR WHICH IS WHITE.

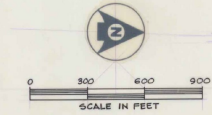


NOTE
 Item 620.11 4 Ft. Chain Link Fence was included by Change Order # 1754/18
 Item 822.26 2 BBS & Runway Distance Remaining Signs were included by Change Order # 1754/18

SMALL I Runway Distance Remaining Sign
 40' OR REMOVED END OF APPROPRIATE NUMBERS

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: 12-7-89

- GENERAL NOTES:**
1. WHEN WORKING WITHIN 200' OF RUNWAY 1-19 CENTERLINE, THE RUNWAY 1 THRESHOLD MUST BE RELOCATED. CONTRACTOR WILL ONLY BE ALLOWED TO DISPLACE THRESHOLD FOR 7 DAYS (MAXIMUM) TO MINIMIZE THE IMPACT TO SCHEDULED SERVICE. THE CONTRACTOR WILL COORDINATE THIS RELOCATION WITH THE AIRPORT MANAGER AND INSTRUCTORS. THE CONTRACTOR MAY RELOCATE THE THRESHOLD ONE TIME DURING THIS CONTRACT.
 2. NO EQUIPMENT SHALL BE PARKED WITHIN 250' OF R/W 1-19 DURING NON-WORKING HOURS.
 3. THE CONTRACTOR WILL NOT BE ALLOWED TO MOVE EQUIPMENT ACROSS RUNWAY 1-19 WITHOUT THE PERMISSION OF THE ENGINEER. IN ORDER TO MOVE EQUIPMENT ACROSS THIS RUNWAY THE CONTRACTOR WILL HAVE TO PROVIDE FLAGMAN EQUIPPED WITH A RADIO CAPABLE OF COMMUNICATING WITH AIRCRAFT ON UNICOM FREQUENCY OF 122.8 MHz.



AIR 03-2043

A.I.P. PROJECT NO. 3-50-0015-06

RUTLAND STATE AIRPORT

SITE PLAN

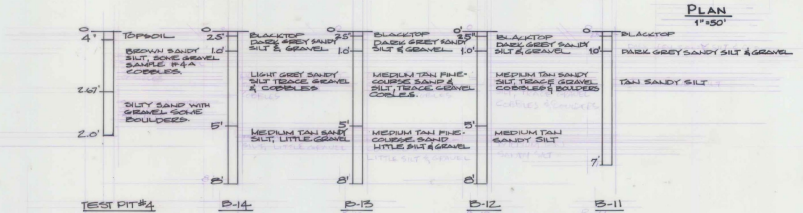
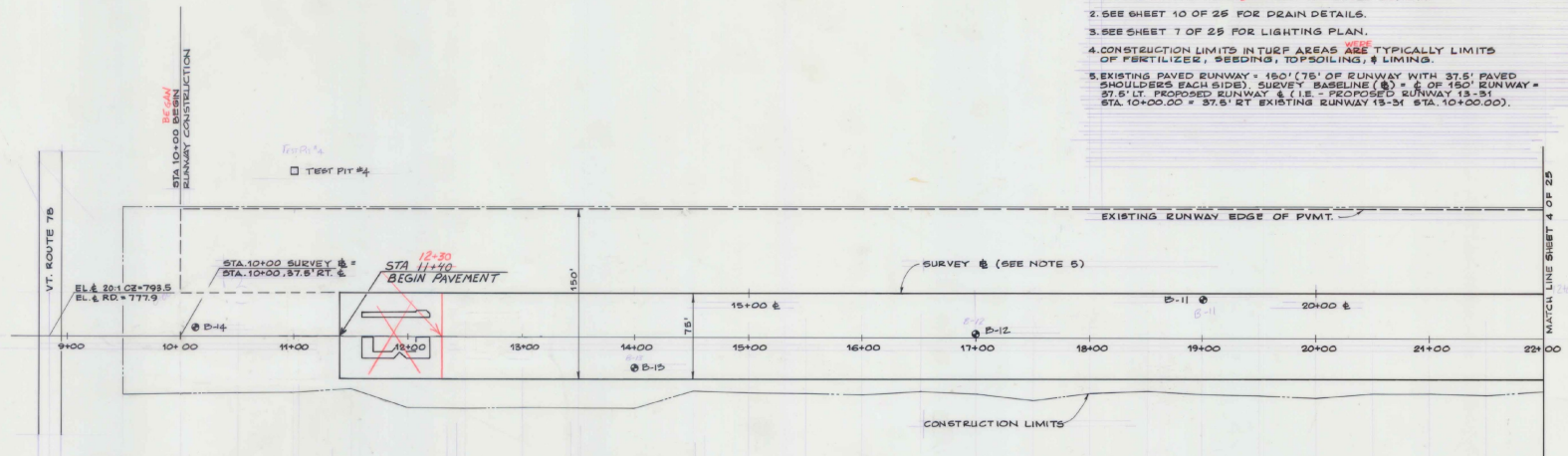
CLARENDON, VERMONT

DH Dufresne-Henry INC.	Client No. 20-0182	
	Proj. Manager G.W. D'AMICO	
	Proj. Designer E.S. DAWES	
	Drawn By G.W. MILLS	
	Checked By G.W. D'AMICO	
Scale AS SHOWN	Sheet 2 of 30	
Approved	Date	D

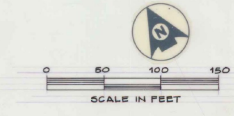
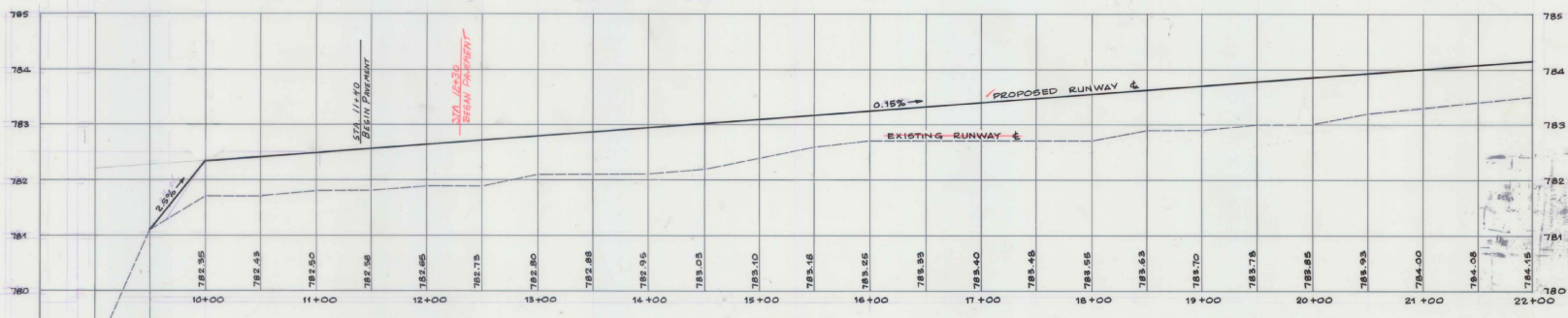
DRAWING 44-132-0007-3

PLAN & PROFILE NOTES:

1. ALL ELEVATIONS REFERRED TO MEAN SEA LEVEL DATUM.
2. SEE SHEET 10 OF 25 FOR DRAIN DETAILS.
3. SEE SHEET 7 OF 25 FOR LIGHTING PLAN.
4. CONSTRUCTION LIMITS IN TURF AREAS ARE TYPICALLY LIMITS OF FERTILIZER, SEEDING, TOPSOILING, & LIMING.
5. EXISTING PAVED RUNWAY = 150' (75' OF RUNWAY WITH 37.5' PAVED SHOULDERS EACH SIDE). SURVEY BASELINE (S) = C OF 150' RUNWAY = 37.5' DT. PROPOSED RUNWAY, & (L) = PROPOSED RUNWAY 13-31 STA. 10+00.00 + 37.5' RT. EXISTING RUNWAY 13-31 STA. 10+00.00.



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: 8-22-70



A.I.P. PROJECT NO. 3-50-0015-06
 RUTLAND STATE AIRPORT
PLAN & PROFILE - STA. 8+50 TO STA. 22+00

CLARENDON, VERMONT

DH
 Dufresne-Henry Inc.

Client No. 30-0102	Proj. Manager G.W. D'AMICO
Proj. Designer E.S. DAWES	Drawn By C.W. MILLS
Checked By G.W. D'AMICO	Scale AS SHOWN
Approved	Date

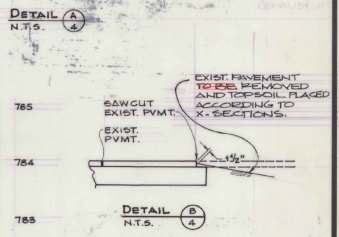
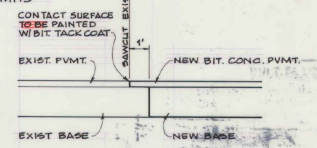
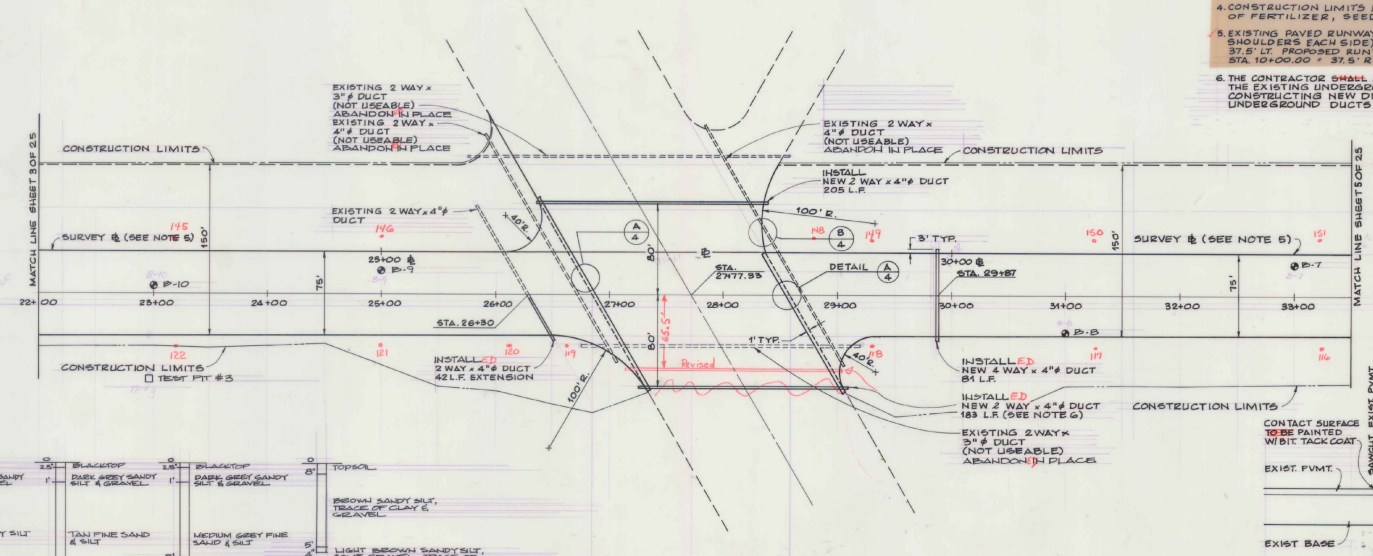
Sheet 3 of 30

- PLAN & PROFILE NOTES**
1. ALL ELEVATIONS REFER TO MEAN SEA LEVEL DATUM.
 2. SEE SHEET 10 OF 25 FOR DRAIN DETAILS.
 3. SEE SHEET 7 OF 25 FOR LIGHTING PLAN.
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 5. EXISTING PAVED RUNWAY = 150' (75' OF RUNWAY WITH 37.5' PAVED SHOULDERS EACH SIDE), SURVEY BASELINE (B) = E OF 150' RUNWAY = 37.5' LT. PROPOSED RUNWAY & (L.R. PROPOSED RUNWAY 13-31 STA. 10+00.00 = 37.5' RT. EXISTING RUNWAY 13-31 STA. 10+00.00).
 6. THE CONTRACTOR SHALL ASCERTAIN THE LOCATION & CONDITION OF THE EXISTING UNDERGROUND DUCTS IN THE FIELD, PRIOR TO CONSTRUCTING NEW DUCTS. THE CONSTRUCTION OF NEW UNDERGROUND DUCTS SHALL BE DETERMINED BY THE ENGINEER.

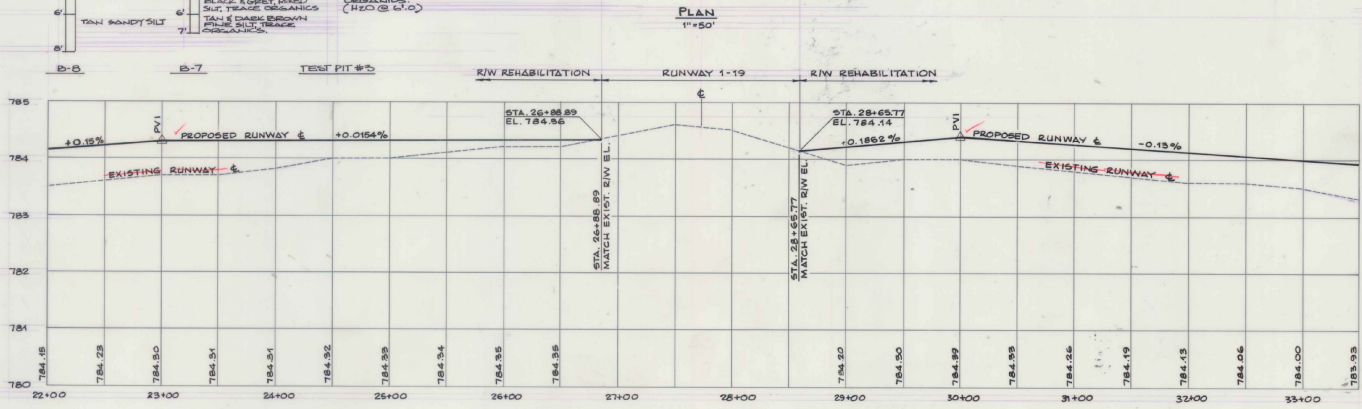
7. PAVING ON RUNWAY 15-31 TO TERMINATE @ STA. 26+29.31 AND 28+60.6 AT WHICH POINTS THE PAVEMENT WILL ABUT EXISTING PAVEMENT ON RUNWAY 1-19.

ABUTTED

• Runway Lights



APPROVAL 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: 5-22-90



PROFILE
 HOR. : 1"=50'
 VER. : 1"=1'



A.I.P. PROJECT NO. 3-50-0015-06
 RUTLAND STATE AIRPORT
 PLAN & PROFILE - STA. 22+00 TO STA. 33+50

CLARENDON, VERMONT

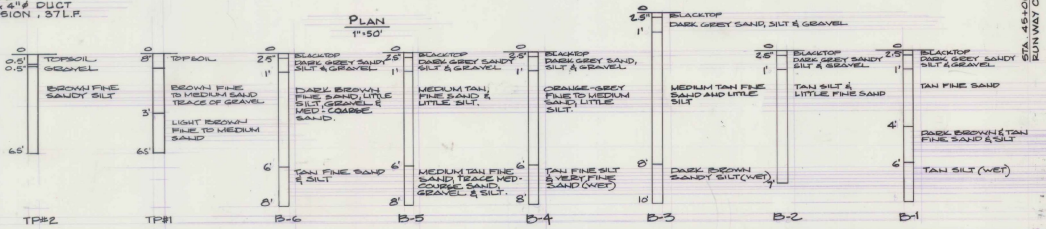
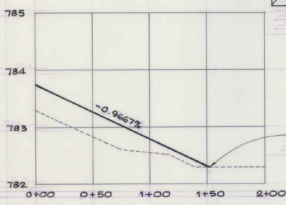
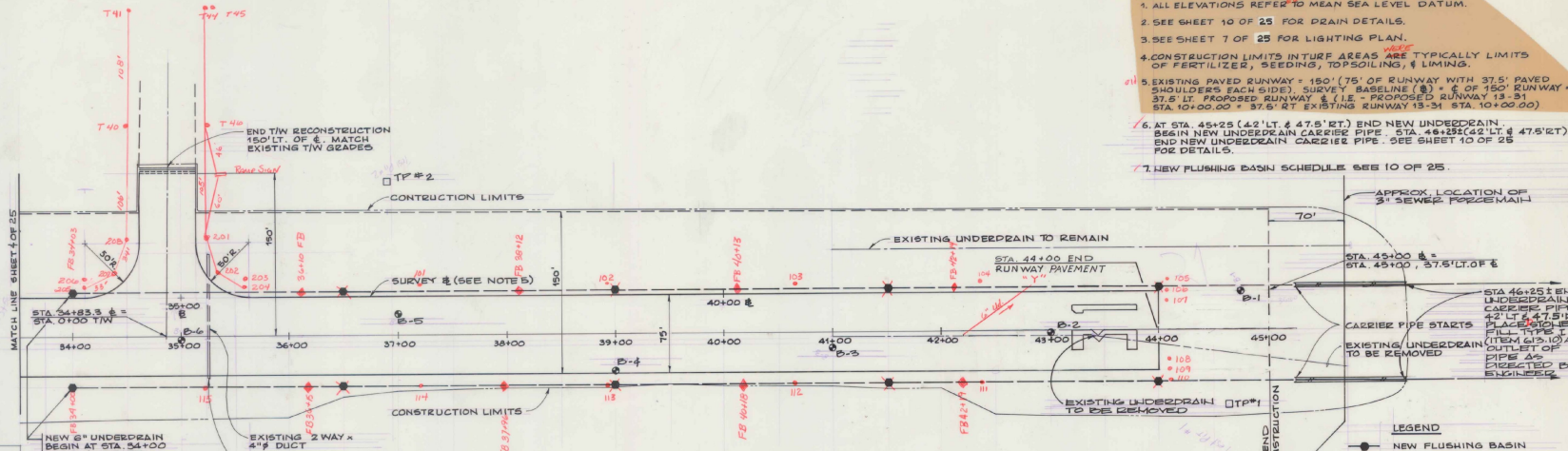
DH
 Dufresne-Henry Inc.

Client No. 30-0182
 Proj. Manager G.W. D'AMICO
 P.E. Designer F.S. BAWES
 Drawn By C.W. HILLS
 Checked By G.W. D'AMICO
 Scale AS SHOWN
 Approved [Signature]
 Date

Sheet 4 of 30

Rev.	Description	By	Date

- PLAN & PROFILE NOTES:**
1. ALL ELEVATIONS REFER TO MEAN SEA LEVEL DATUM.
 2. SEE SHEET 10 OF 25 FOR DRAIN DETAILS.
 3. SEE SHEET 7 OF 25 FOR LIGHTING PLAN.
 4. CONSTRUCTION LIMITS IN TURF AREAS ARE TYPICALLY LIMITS OF FERTILIZER, SEEDING, TOPSOILING, & LIMING.
 5. EXISTING PAVED RUNWAY = 150' (75' OF RUNWAY WITH 37.5' PAVED SHOULDERS EACH SIDE), SURVEY BASELINE (B) = E OF 150' RUNWAY = 37.5' LT. PROPOSED RUNWAY E / 15' - PROPOSED RUNWAY 13-31 STA. 10+00.00 = 37.5' LT. EXISTING RUNWAY 13-31 STA. 10+00.00
 6. AT STA. 45+25 (42' LT. & 47.5' RT.) END NEW UNDERDRAIN. BEGIN NEW UNDERDRAIN CARRIER PIPE. STA. 46+25 (42' LT. & 47.5' RT.) END NEW UNDERDRAIN CARRIER PIPE. SEE SHEET 10 OF 25 FOR DETAILS.
 7. NEW FLUSHING BASIN SCHEDULE SEE 10 OF 25.



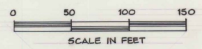
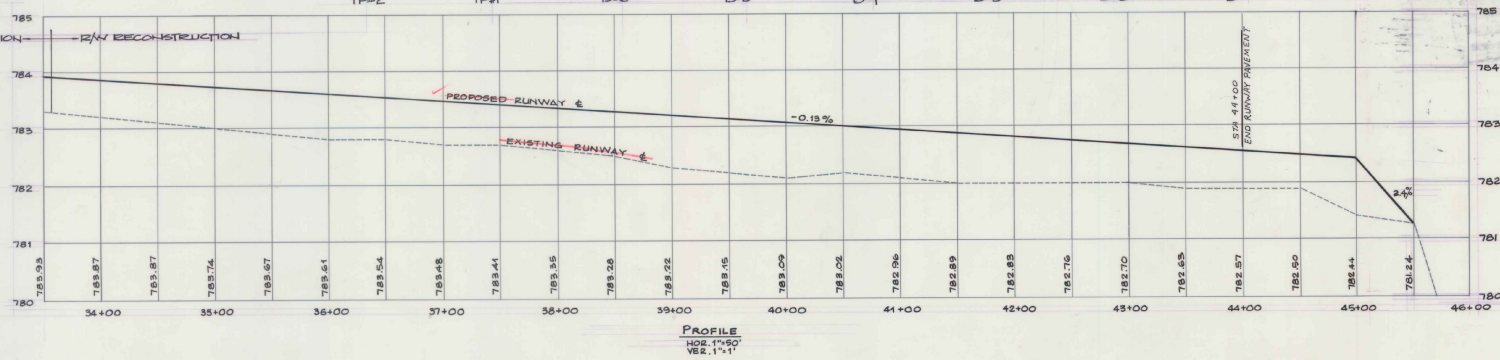
LEGEND

- NEW FLUSHING BASIN
- EXISTING UNDERDRAIN
- - - NEW 6" UNDERDRAIN
- ==== NEW 6" UNDERDRAIN CARRIER PIPE
- New RW/T/W LIGHT
- ACTUAL FLUSHING BASIN

ASBESTOS PLAN

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

By: *[Signature]* Resident Engineer



A.I.P. PROJECT NO. 3-30-0015-06
 RUTLAND STATE AIRPORT
 PLAN & PROFILE - STA. 33+50 TO STA. 45+00

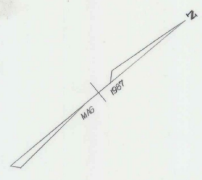
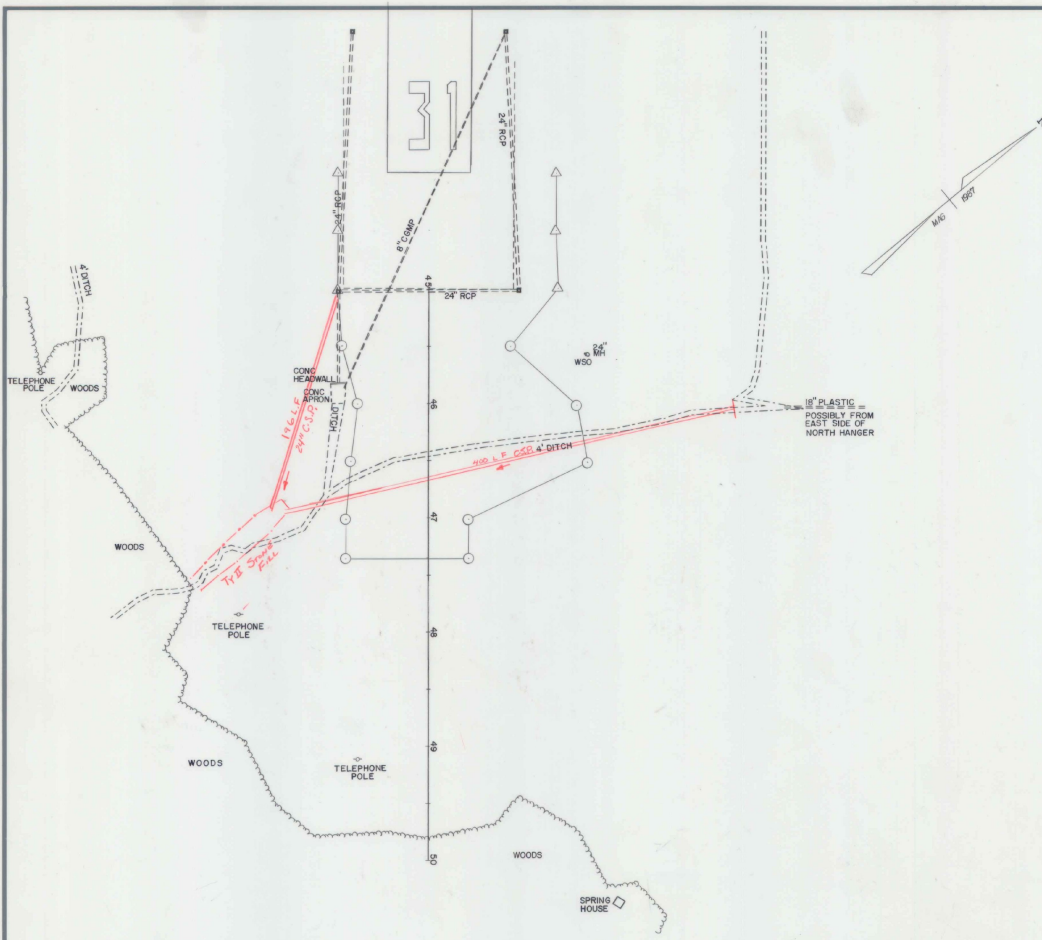
CLARENDON, VERMONT

DH Dufresne-Henry Inc.

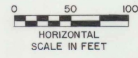
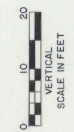
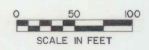
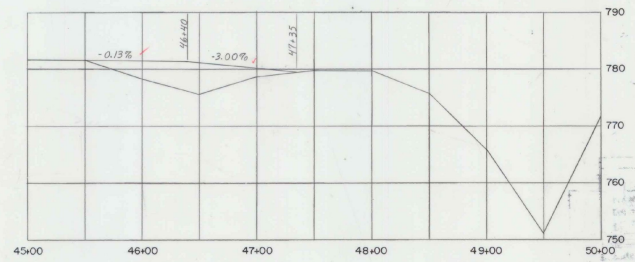
Client No. 30-0162
 Prof. Manager G.W. D'AMICO
 Proj. Designer E.S. DAWES
 Drawn By C.W. MILLS
 Checked By G.W. D'AMICO
 Scale AS SHOWN
 Approved [Signature]
 Date [Blank]

Sheet 5 of 30

Rev.	Description	By	Date



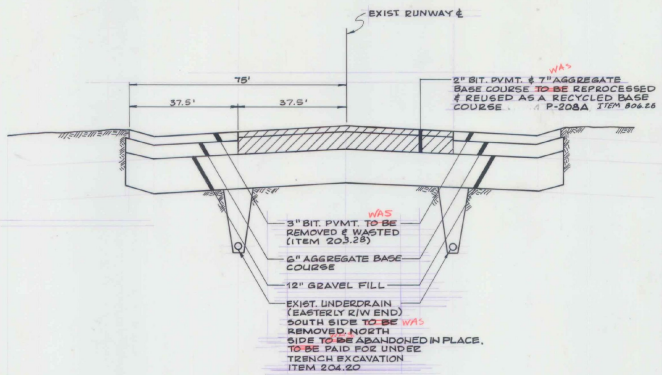
AS BUILT PLANS
 I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
 By [Signature] Resident Engineer
 Date 8-22-90



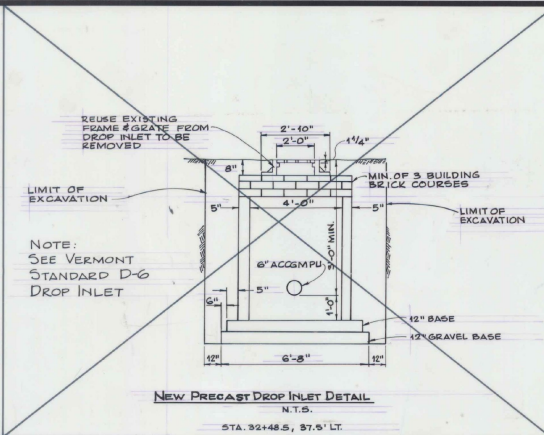
DATUM _____
 VERTICAL _____
 HORIZONTAL _____

SURVEYED BY REED DATE 5-87
 DRAWN BY DAYE DATE 6-87
 TRACED BY MURDOCK DATE 5-87

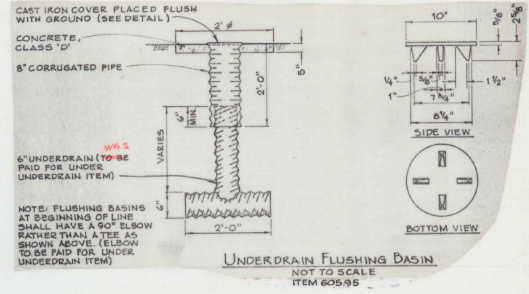
PROJ. AIR NO. 03-2043
 SHEET 5A OF 30



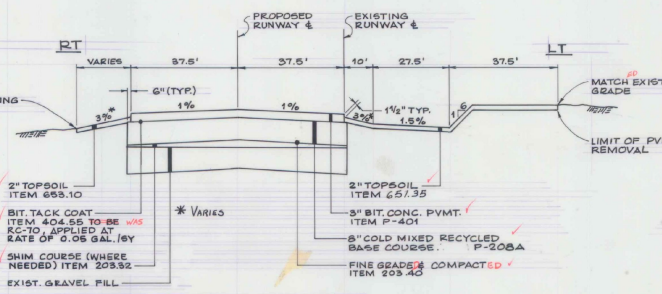
EXISTING TYPICAL SECTION
N.T.S.



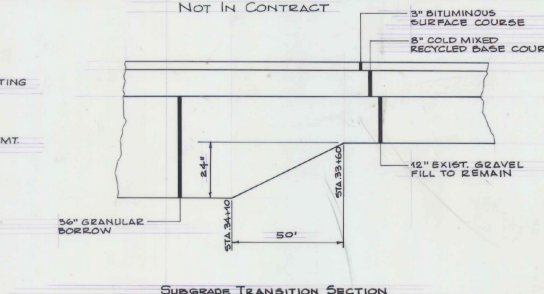
NEW PRECAST DROP INLET DETAIL
N.T.S.
STA. 32+48.5, 37.5' LT.
NOT IN CONTRACT



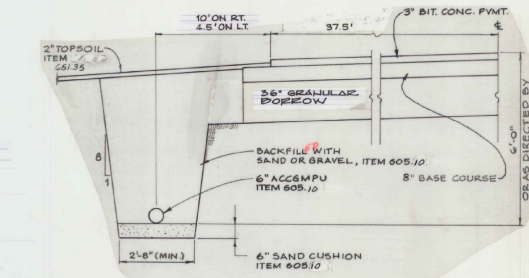
UNDERDRAIN FLUSHING BASIN
NOT TO SCALE
ITEM 605.95



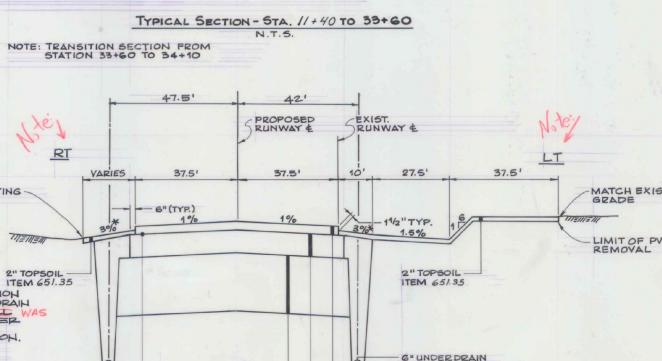
TYPICAL SECTION - STA. 11+40 TO 33+60
N.T.S.



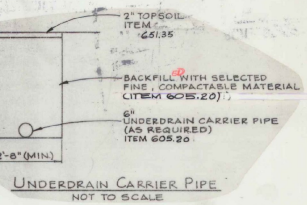
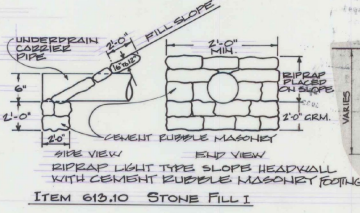
SUBGRADE TRANSITION SECTION
N.T.S.



UNDERDRAIN DETAIL
NOT TO SCALE



TYPICAL CROSS SECTION - STA. 34+10 TO 44+00
N.T.S.



AS BUILT PLANS
I hereby certify that the construction required by the set of drawings has been accomplished as indicated above.
By: *[Signature]* Field at Engineer
Date: 8-22-50

GENERAL NOTES

1. Seed, Item 551.18 to be applied as directed by Engineer.

1 BT	1 LB/A	Name	Pur & Com
3.33	2	Oregon Vetch	97 75
50.00	30	Creeching Red Peascoe	98 85
8.33	5	Timothy	99 85
16.07	10	Parr-Rye Grass (Var. Pennine)	99 85
8.34	5	Alfalfa (Var. Saranac)	99 85
8.33	5	Highland Best Grass	98 85
5.00	3	Highland Best Grass	98 85
100.00	60		

2. The seed mixture shall not have a weed content exceeding 0.10% by weight and shall be free of all noxious weed seed.

3. Fertilizer, Item 551.14 to be used with seed, Item 551.15, applied at the rate of 500 lbs/acre.

4. Agriculture Limestone, Item 551.20 to be applied at rate of 2 tons/acre or as directed by Engineer.

5. Hay mulch, Item 551.25 to be placed on earth slopes at the rate of 2 tons/acre.

6. Topsoil, Item 605.95 to be used with seed, item 551.10, as directed by the Engineer.

Allowable thickness tolerances:
Subbase 1/4"
Controlled Material 1/4"
Favement 1/4"
Base Course 1/4"

1. Sub-grade under areas to be paved to be compacted to 100% density as per FAA T-611 (ASHTO T-99).

2. Bituminous tack coat to be applied as per Item 404, Subsection 404.05, Type I First Application using RC-250.

3. Top of base under runway pavement to be fine graded and compacted to 100% density as per FAA T-611 (ASHTO 99).

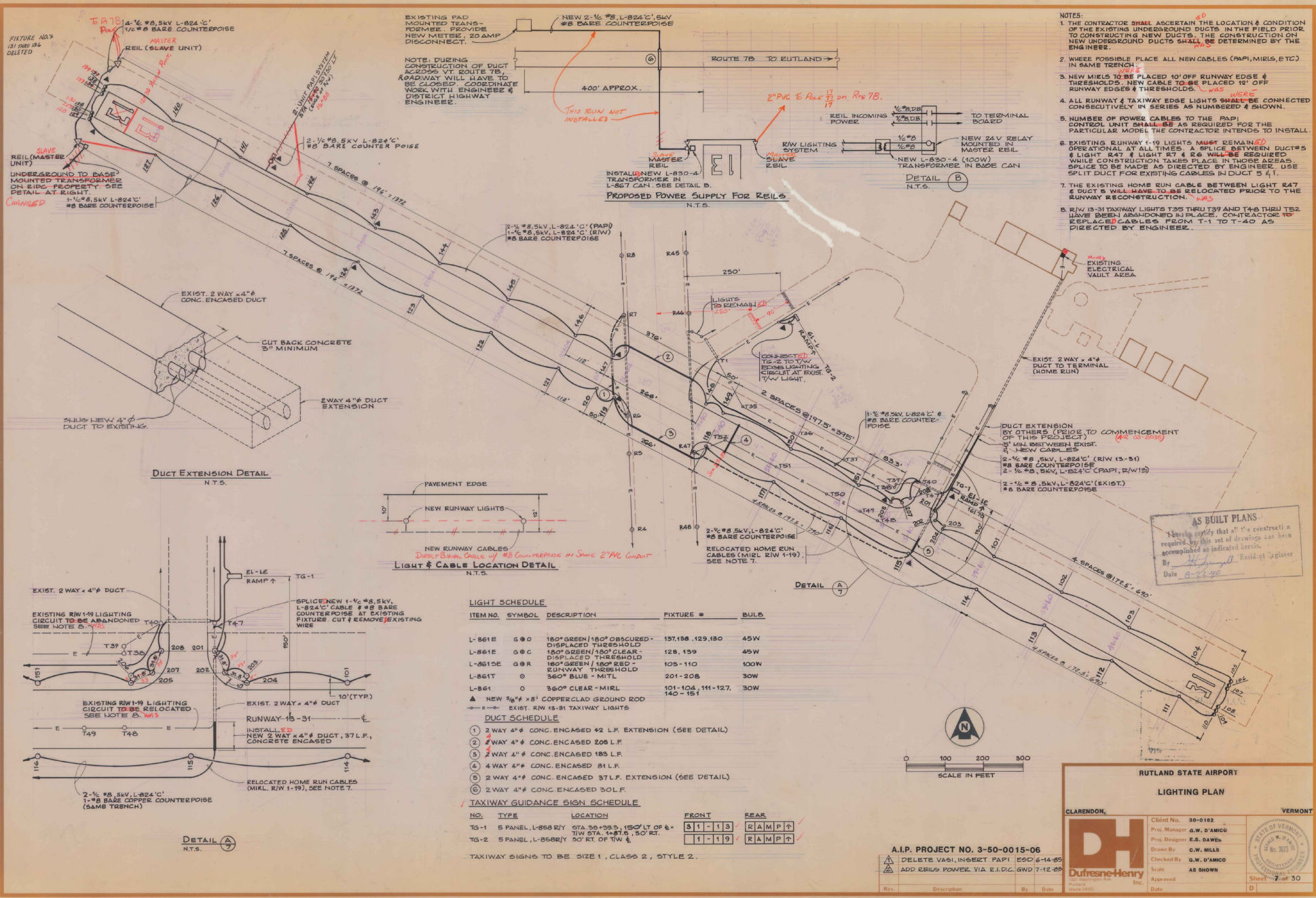
A.I.P. PROJECT NO. 3-50-0015-06

RUTLAND STATE AIRPORT

TYPICAL SECTIONS

<p>Dufresne-Henry Inc. 101 Washington Ave. Portland, Maine 04101</p>	Client No. 30-0162	<p>STATE OF VERMONT 1792 1877 1900</p>
	Proj. Manager G.W. D'AMICO	
	Proj. Designer E.S. DAWES	
	Drawn By C.W. MILLS	
	Checked By G.W. D'AMICO	
Scale AS SHOWN	Sheet 6 of 30	
Approved	Date	

Rev.	Description	By	Date



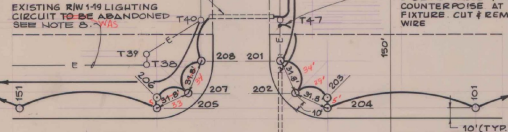
- NOTES:
1. THE CONTRACTOR SHALL ASCERTAIN THE LOCATION & CONDITION OF THE EXISTING UNDERGROUND DUCTS IN THE FIELD PRIOR TO CONSTRUCTING NEW DUCTS. THE CONSTRUCTION ON NEW UNDERGROUND DUCTS SHALL BE DETERMINED BY THE ENGINEER.
 2. WHERE POSSIBLE PLACE ALL NEW CABLES (PAPI, MIELS, ETC) IN SAME TRENCH.
 3. NEW MIELS TO BE PLACED 10' OFF RUNWAY EDGE & THRESHOLDS. NEW CABLE TO BE PLACED 12' OFF RUNWAY EDGES & THRESHOLDS.
 4. ALL RUNWAY & TAXIWAY EDGE LIGHTS SHALL BE CONNECTED CONSECUTIVELY IN SERIES AS NUMBERED & SHOWN.
 5. NUMBER OF POWER CABLES TO THE PAPI CONTROL UNIT SHALL BE AS REQUIRED FOR THE PARTICULAR MODEL THE CONTRACTOR INTENDS TO INSTALL.
 6. EXISTING RUNWAY 1-19 LIGHTS MUST REMAIN OPERATIONAL AT ALL TIMES. A SPLICE BETWEEN DUCTS & LIGHT 247 & LIGHT 27 & 28 WILL BE REQUIRED WHILE CONSTRUCTION TAKES PLACE IN THOSE AREAS. SPLICE TO BE MADE AS DIRECTED BY ENGINEER. USE SPLIT DUCT FOR EXISTING CABLES IN DUCT 5 & 1.
 7. THE EXISTING HOME RUN CABLE BETWEEN LIGHT 247 & DUCT 5 WILL HAVE TO BE RELOCATED PRIOR TO THE RUNWAY RECONSTRUCTION.
 8. RW 13-31 TAXIWAY LIGHTS T35 THRU T39 AND T48 THRU T52 HAVE BEEN ABANDONED IN PLACE. CONTRACTOR TO REPLACE CABLES FROM T-1 TO T-40 AS DIRECTED BY ENGINEER.

DUCT EXTENSION DETAIL
N.T.S.

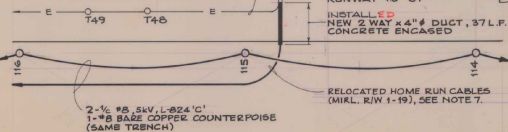
PAVEMENT EDGE
NEW RUNWAY LIGHTS

NEW RUNWAY CABLES
DIRECTLY UNDER CENTERLINE OF CONC. COUNTERPOISE IN SAME 2" PVC CONDUIT
LIGHT & CABLE LOCATION DETAIL
N.T.S.

EXIST. 2 WAY 4" DUCT
EXISTING RW 1-19 LIGHTING
CIRCUIT TO BE ABANDONED
SEE NOTE 5.



EXISTING RW 1-19 LIGHTING
CIRCUIT TO BE RELOCATED
SEE NOTE 5.



DETAIL A
N.T.S.

LIGHT SCHEDULE

ITEM NO.	SYMBOL	DESCRIPTION	FIXTURE #	BULB
L-861E	G 00	180° GREEN 180° OBSCURED - DISPLACED THRESHOLD	137-138, 129-130	45W
L-861C	G 0C	180° GREEN 180° CLEAR - DISPLACED THRESHOLD	128, 159	45W
L-861SE	G 0R	180° GREEN 180° RED - RUNWAY THRESHOLD	105-110	100W
L-861T	0	360° BLUE - MITL	201-208	30W
L-861	0	360° CLEAR - MIEL	101-104, 111-127, 140-151	30W

▲ NEW 5/8" x 31" COPPERCLAD GROUND ROD
→ EXIST. RW 13-31 TAXIWAY LIGHTS

DUCT SCHEDULE

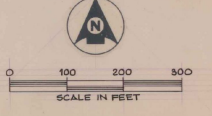
1. 2 WAY 4" CONC. ENCASED 42 L.F. EXTENSION (SEE DETAIL)
2. 2 WAY 4" CONC. ENCASED 208 L.F.
3. 2 WAY 4" CONC. ENCASED 185 L.F.
4. 4 WAY 4" CONC. ENCASED 81 L.F.
5. 2 WAY 4" CONC. ENCASED 37 L.F. EXTENSION (SEE DETAIL)
6. 2 WAY 4" CONC. ENCASED 30 L.F.

TAXIWAY GUIDANCE SIGN SCHEDULE

NO.	TYPE	LOCATION	FRONT	REAR
TG-1	5 PANEL, L-868 R/Y	STA 20+50.5, 150' LT OF E-TW STA. 4+87.5, 50' RT.	81-113	RAMP RT
TG-2	5 PANEL, L-868 R/Y	50' RT. OF TW	1-119	RAMP RT

TAXIWAY SIGNS TO BE SIZE 1, CLASS 2, STYLE 2.

AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated hereon.
By: *[Signature]* Resident Engineer
Date: 8-22-90



RUTLAND STATE AIRPORT
LIGHTING PLAN

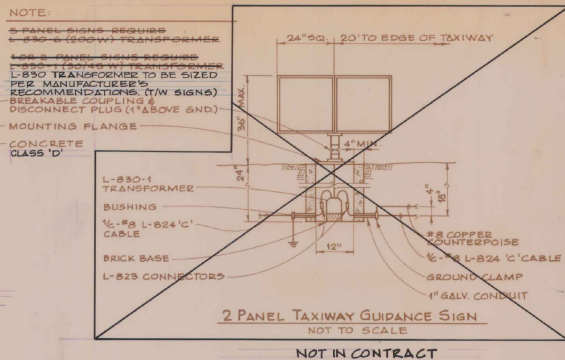
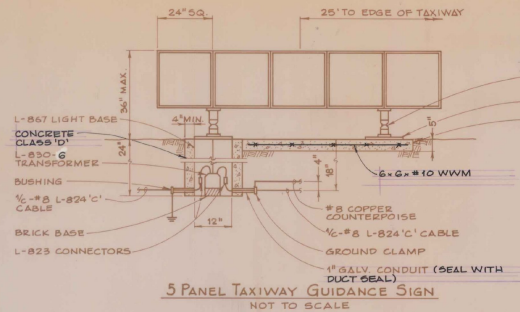
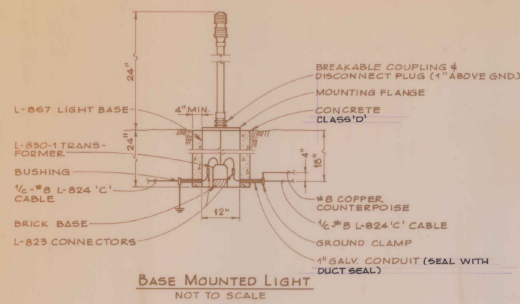
CLARENDON, VERMONT

Client No. 30-0162
Proj. Manager G.W. D'AMICO
Proj. Designer E.S. BARNES
Drawn By G.W. HILLS
Checked By G.W. D'AMICO
Scale AS SHOWN
Date

DH
Dufresne-Henry
INC.

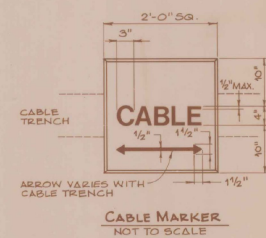
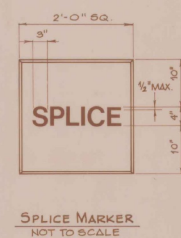
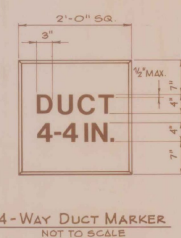
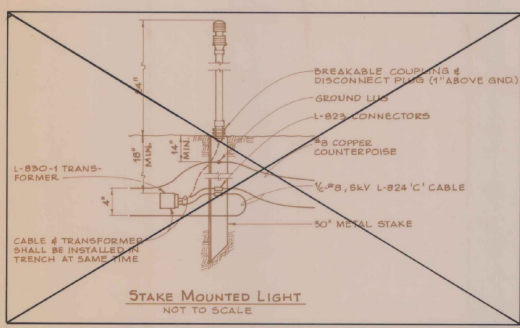
A.I.P. PROJECT NO. 3-50-0015-06
DELETE VASI, INSECT PAPI 190' 6-14-89
ADD RW 13-31 POWER VIA E.I.D.C. SWD 7-12-89

Sheet 7 of 30

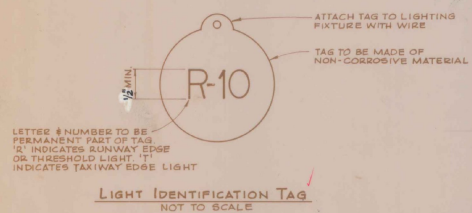
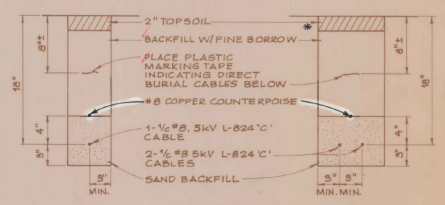
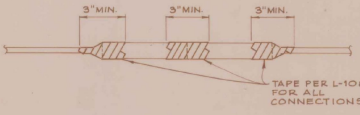
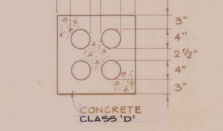
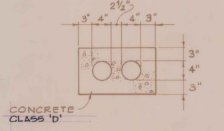


NOTE:
2-PANEL SIGNS REQUIRE L-830-1 (200W) TRANSFORMER
L-830-1 TRANSFORMER TO BE SIZED PER MANUFACTURER'S RECOMMENDATIONS (T/W SIGNS)
BREAKABLE COUPLINGS & DISCONNECT PLUG (1" ABOVE GND)
MOUNTING FLANGE
CONCRETE CLASS 'D'

NOTE:
PROVIDE A 3/4" LOOP OF CABLE AT ALL TRANSFORMER LOCATIONS.

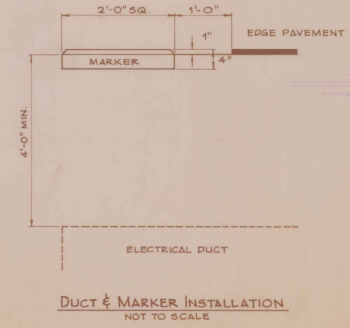


MARKER NOTES:
1. HAND LETTERING NOT ALLOWED ON MARKERS. LETTERING IS TO BE IMPRESSED.
2. ARROW ON CABLE MARKERS TO INDICATE DIRECTION OF CABLES.
3. PAYMENT FOR CABLE SPLICE & DUCT MARKERS TO BE SUBSIDIARY TO OTHER PAY ITEMS.



LIGHT LOCATION SCHEDULE

STATION NO.	OFFSET (ft)	STATION NO.	OFFSET (ft)
131-156	DELETED	20930	118 47.5R
			169 47.5R
		31473.5	117 47.5R
			150 47.5R
11-20	138 47.5R	33925.0	116 47.5R
	139 37.5R		131 47.5R
	130 27.5R	34408.3	205 47.5L
	137 27.5R		206 50.5L
	138 37.5R	34422.3	207 61.5L
13-28	137 47.5R	34448.3	208 67.5L
	140 47.5L	34488.3	301 67.5L
15-28	126 47.5R	35122.5	115 47.5R
	141 47.5L		
17-18	125 47.5R	35131.3	302 61.5L
	142 47.5L	35158.3	304 47.5L
18-14	124 47.5R		203 50.5L
	143 47.5L	37420	101 47.5L
21-10	123 47.5R		114 47.5R
	144 47.5L	381925.102	67.5L
25-06	122 47.5R		113 47.5R
	145 47.5L	40465	103 47.5L
25-02	121 47.5R		117 47.5R
	144 47.5L	423725.101	47.5L
26-10	120 47.5R		111 47.5R
	147 47.5L	44410	105 37.5L
26-14	119 47.5R		107 37.5L
	148 47.5L		108 27.5R
28-05	148 47.5L		109 37.5R
			110 47.5R



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: 8-22-50

A.I.P. PROJECT NO. 3-50-0015-06

RUTLAND STATE AIRPORT
ELECTRICAL DETAILS

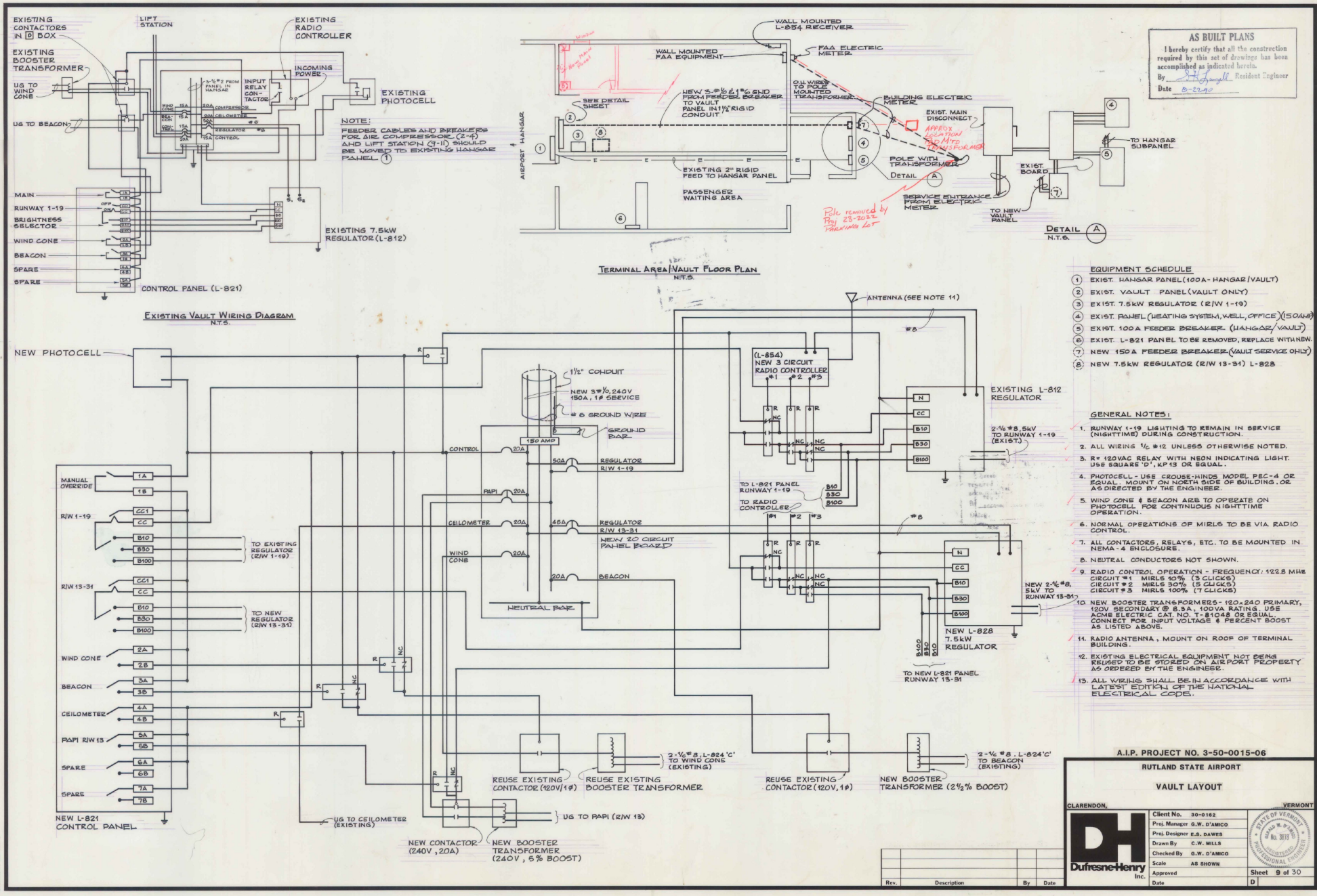
CLARENDON, VERMONT

DH Dufresne-Henry Inc.

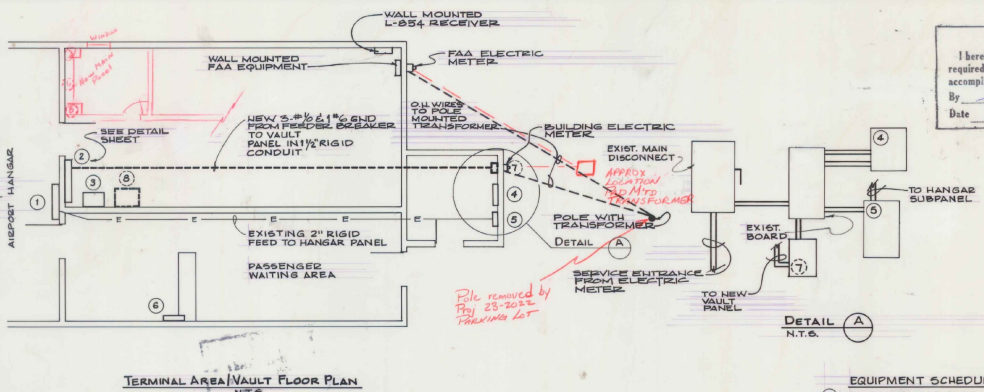
Client No. 30-0162
Proj. Manager G.W. D'AMICO
Proj. Designer E.B. SAWES
Drawn By C.W. MILLS
Checked By G.W. D'AMICO
Scale AS SHOWN

Approved _____ Date _____
Sheet 8 of 30

Rev.	Description	By	Date



AS BUILT PLANS
 I hereby certify that all the construction required by this set of drawings has been accomplished as indicated hereon.
 By: *[Signature]* Resident Engineer
 Date: 8-2-64



- EQUIPMENT SCHEDULE**
- 1 EXIST. HANGAR PANEL (100A - HANGAR (VAULT))
 - 2 EXIST. VAULT PANEL (VAULT ONLY)
 - 3 EXIST. 7.5kW REGULATOR (RW 1-19)
 - 4 EXIST. PANEL (HEATING SYSTEM, WELL OFFICE) (150AMP)
 - 5 EXIST. 100A FEEDER BREAKER (HANGAR/VAULT)
 - 6 EXIST. L-821 PANEL TO BE REMOVED, REPLACE WITH NEW.
 - 7 NEW 150A FEEDER BREAKER (VAULT SERVICE ONLY)
 - 8 NEW 7.5kW REGULATOR (RW 13-31) L-828

- GENERAL NOTES:**
1. RUNWAY 1-19 LIGHTING TO REMAIN IN SERVICE (NIGHTTIME) DURING CONSTRUCTION.
 2. ALL WIRING 1/2" #12 UNLESS OTHERWISE NOTED.
 3. R = 120VAC RELAY WITH NEON INDICATING LIGHT. USE SQUARE 'D', KP 13 OR EQUAL.
 4. PHOTOCELL - USE CROUSE-HINDS MODEL PEC-4 OR EQUAL. MOUNT ON NORTH SIDE OF BUILDING OR AS DIRECTED BY THE ENGINEER.
 5. WIND CONE & BEACON ARE TO OPERATE ON PHOTOCELL FOR CONTINUOUS NIGHTTIME OPERATION.
 6. NORMAL OPERATIONS OF MIRLS TO BE VIA RADIO CONTROL.
 7. ALL CONTACTORS, RELAYS, ETC. TO BE MOUNTED IN NEMA-4 ENCLOSURE.
 8. NEUTRAL CONDUCTORS NOT SHOWN.
 9. RADIO CONTROL OPERATION - FREQUENCY: 122.8 MHS
 CIRCUIT #1 MIRLS 90% (3 CLICKS)
 CIRCUIT #2 MIRLS 90% (3 CLICKS)
 CIRCUIT #3 MIRLS 100% (7 CLICKS)
 10. NEW BOOSTER TRANSFORMERS - 120V, 240V PRIMARY, 120V SECONDARY @ 5.3A, 100VA RATING. USE ACME ELECTRIC CAT. NO. T-81048 OR EQUAL. CONNECT FOR INPUT VOLTAGE & PERCENT BOOST AS LISTED ABOVE.
 11. RADIO ANTENNA, MOUNT ON ROOF OF TERMINAL BUILDING.
 12. EXISTING ELECTRICAL EQUIPMENT NOT BEING REQUIRED TO BE STORED ON AIRPORT PROPERTY AS ORDERED BY THE ENGINEER.
 13. ALL WIRING SHALL BE IN ACCORDANCE WITH LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.

A.I.P. PROJECT NO. 3-50-0015-06

RUTLAND STATE AIRPORT

VAULT LAYOUT

CLARENDON, VERMONT

DH Dufresne-Henry Inc.

Client No. 30-0182
 Prof. Manager G.W. D'AMICO
 Prof. Designer E.S. DAWES
 Drawn By C.W. MILLS
 Checked By G.W. D'AMICO
 Scale AS SHOWN
 Date

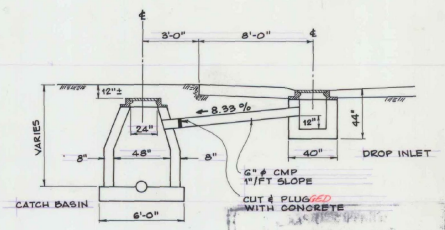
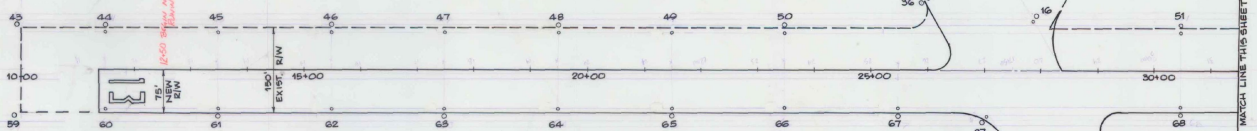
Sheet 9 of 30

Rev.	Description	By	Date

DRAWING NO. 132-0015-06

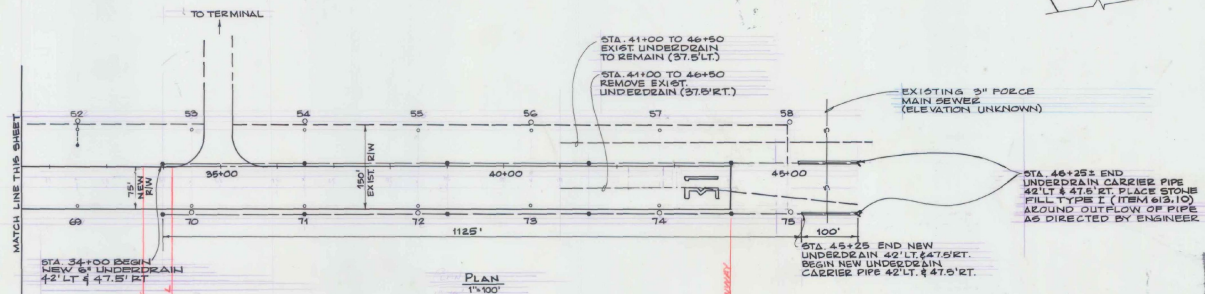
NEW FLUSHING BASIN SCHEDULE

STATION	OFFSET LT.	OFFSET RT.
34+00	42'	47.5'
36+50	42'	47.5'
39+00	42'	47.5'
41+50	42'	47.5'
44+00	42'	47.5'

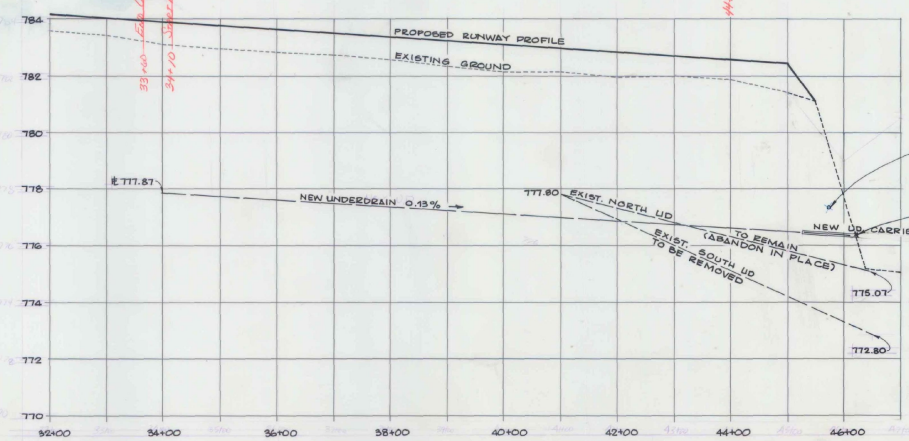


EXIST. CATCH BASIN & DROP INLET DETAIL
N.T.S.

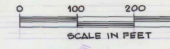
NOTE:
IF DROP INLET IS TO BE REMOVED, THE CONTRACTOR WILL CUT AND PLUG THE 6" METAL PIPE AS CLOSE TO THE CATCH BASIN AS POSSIBLE. THE PLUG SHALL BE CONCRETE.



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: 8-23-90



- LEGEND**
- EXIST. CATCH BASIN
 - EXIST. DROP INLET
 - EXIST. UNDERDRAIN
 - NEW FLUSHING BASIN
 - NEW DROP INLET
 - NEW UNDERDRAIN
 - NEW UNDERDRAIN CARRIER PIPE



A.I.P. PROJECT NO. 3-50-0015-06

Rev.	Description	By	Date

RUTLAND STATE AIRPORT

DRAINAGE DETAILS

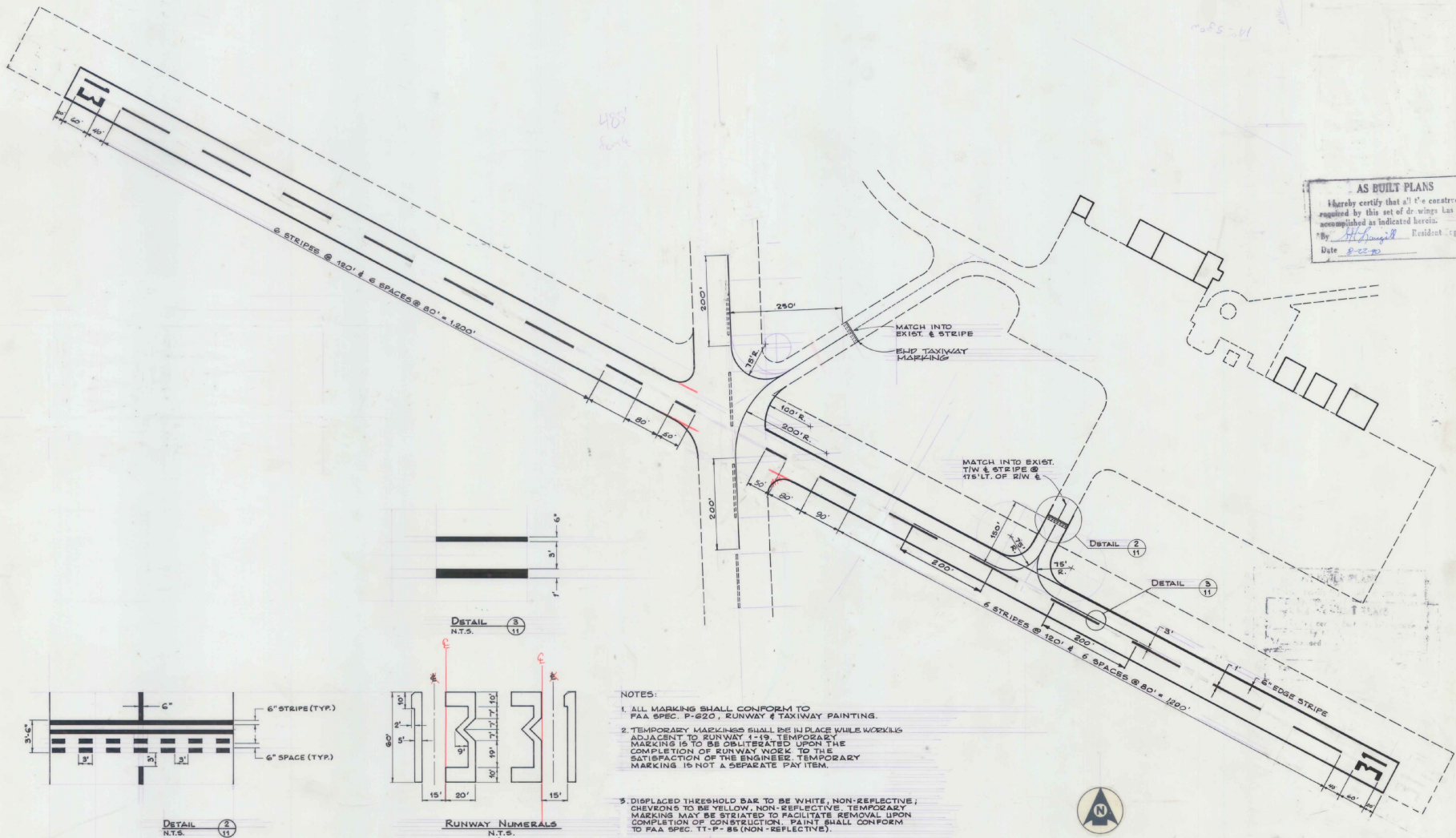
CLARENDON, VT

DH Dufresne-Henry Inc.
100 Waterbury Ave.
Portland, Maine 04103

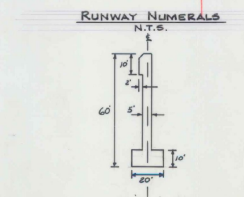
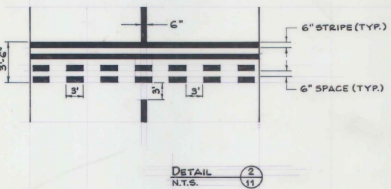
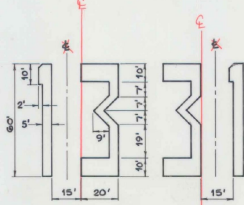
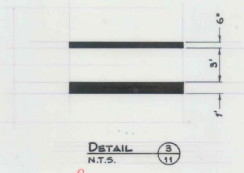
Client No. 35-0162
Prof. Designer G.W. D'AMICO
Drawn By C.W. MILES
Checked By G.W. D'AMICO
Scale AS SHOWN
Approved _____
Date _____

STATE OF VERMONT
No. 3073
Professional Engineer

Sheet 10 of 30



AS BUILT PLANS
 I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
 By *H.C. Long* Resident Engineer
 Date 8-22-80



- NOTES:**
1. ALL MARKINGS SHALL CONFORM TO FAA SPEC. P-620, RUNWAY & TAXIWAY PAINTING.
 2. TEMPORARY MARKINGS SHALL BE IN PLACE WHILE WORKING ADJACENT TO RUNWAY 1-19. TEMPORARY MARKING IS TO BE OBLITERATED UPON THE COMPLETION OF RUNWAY WORK TO THE SATISFACTION OF THE ENGINEER. TEMPORARY MARKING IS NOT A SEPARATE PAY ITEM.
 3. DISPLACED THRESHOLD BAR TO BE WHITE, NON-REFLECTIVE; CHEVRONS TO BE YELLOW, NON-REFLECTIVE. TEMPORARY MARKINGS MAY BE STRIATED TO FACILITATE REMOVAL UPON COMPLETION OF CONSTRUCTION. PAINT SHALL CONFORM TO FAA SPEC. TT-P-86 (NON-REFLECTIVE).
 4. TEMPORARY MARKING MAY BE SNOW FENCE, LIMESTONE, TARPULLEN OR OTHER MEANS SATISFACTORY TO THE ENGINEER.
 5. RUNWAY CENTERLINE & NUMERALS ARE TO BE WHITE. TAXIWAY CENTERLINE & HOLDLINE ARE TO BE AVIATION YELLOW, CONFORMING TO FEDERAL SPEC. TT-P-85 (HIGH REFLECTIVE).
 6. THE NUMERAL ONE, WHEN USED ALONE, CONTAINS A 20' x 10' HORIZONTAL BAR TO DIFFERENTIATE IT FROM THE RUNWAY CENTERLINE MARKINGS.



RUTLAND STATE AIRPORT
MARKING DIAGRAM

CLARENDON, VERMONT

Client No. 80-0182
 Proj. Manager G.W. D'AMICO
 Proj. Designer E.S. DAWES
 Drawn By C.W. MILLS
 Checked By G.W. D'AMICO
 Scale AS SHOWN
 Approved _____
 Date _____

DH
 Dufresne-Henry Inc.
 1031 Washington Ave.
 Rutland, Vermont 05701

STATE OF VERMONT
 No. 3073
 PROFESSIONAL ENGINEER

Sheet 11 of 30

A.I.P. PROJECT NO. 3-50-0015-06

Rev.	Description	By	Date

DRAWING MADE BY 403373

