

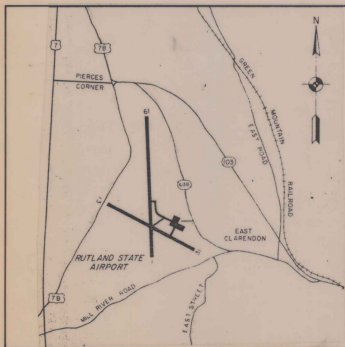
PLANS FOR

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 (4/73R)
D-II	VT STANDARDS CAST IRON GRATE AND COVER (8-31R)

VERMONT AGENCY OF TRANSPORTATION
APPROVED: *Frank J. Smith* 8/22/85
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.
203.26	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	17,500 l.f.
203.30	Earth Borrow	3,615 c.y.	864.04	Painting	11,010 s.f.
203.32	Granular Borrow	11,120 c.y.	864.05	Cable Trench (L-105)	1,460 l.f.
203.40	Fine Grading Subgrade	19,000 s.y.	864.06	1/2 #8 L-828 '0' SKV (L-105)	17,500 l.f.
204.00	Trench Excavation, Earth	3,360 c.y.	864.07	#8 Bare Counterpoise (L-105)	8,600 l.f.
204.21	French Excavation, Rock	332 c.y.		Installation of Airport Transformer Vault Equipment (L-109)	Lump Sum
404.95	Cutback Asphalt	91 cwt.	864.08	2' x 4' dia., Duct (L-110)	497 l.f.
501.25	Concrete, Class B	2.1 c.y.	864.09	8' x 4' dia., Duct (L-110)	81 l.f.
507.15	Reinforcing steel	193 lbs.	864.10	Medium Intensity Runway Lights, Base Mounted (L-125)	45 each
601.0026	24" dia. CSP (0.79')	360 l.f.	864.11	Medium Intensity Taxiway Lights, Base Mounted (L-125)	6 each
BEGIN OPTION ITEMS					
601.0225	24" CASP .060	380 l.f.	864.12	Precision Approach Path Indicator, (PAR) Style A Class 2 (L-861)	1 each
601.0425	24" PCCSP .064	380 l.f.	864.13	Runway End Identifier Lights, REILS (L-125)	1 each
601.0825	24" RCP CI, III	380 l.f.	864.14	Taxiway Guidance Sign, S Panel, Size 1, Style 2, Class 2 (L-125)	2 each
END OPTION ITEMS					
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.I.	24 hours			
813.10	Stone Fill I	5 c.y.			
813.11	Stone Fill, Type II	115 c.y.			
831.10	Engineer's Field Office Mobilization	Lump Sum			
851.15	Seed	565 lbs.			
851.18	Fertilizer	4715 lb.			
851.20	Agricultural Limestone	19 tons			
851.25	Hay Mulch	19 tons			
851.35	Topsoil	2205 c.y.			

QUANTITIES

JULY-1985

REVISED BY VAOT
MAY 1987

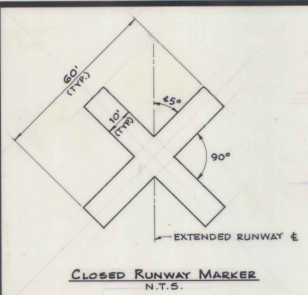
AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
By: *W. J. Dufresne* Resident Engineer
Date: 8-22-85



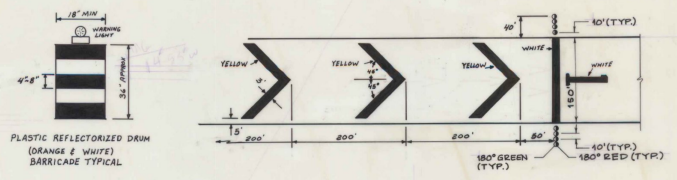
Consulting Engineers

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 MARKER 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.



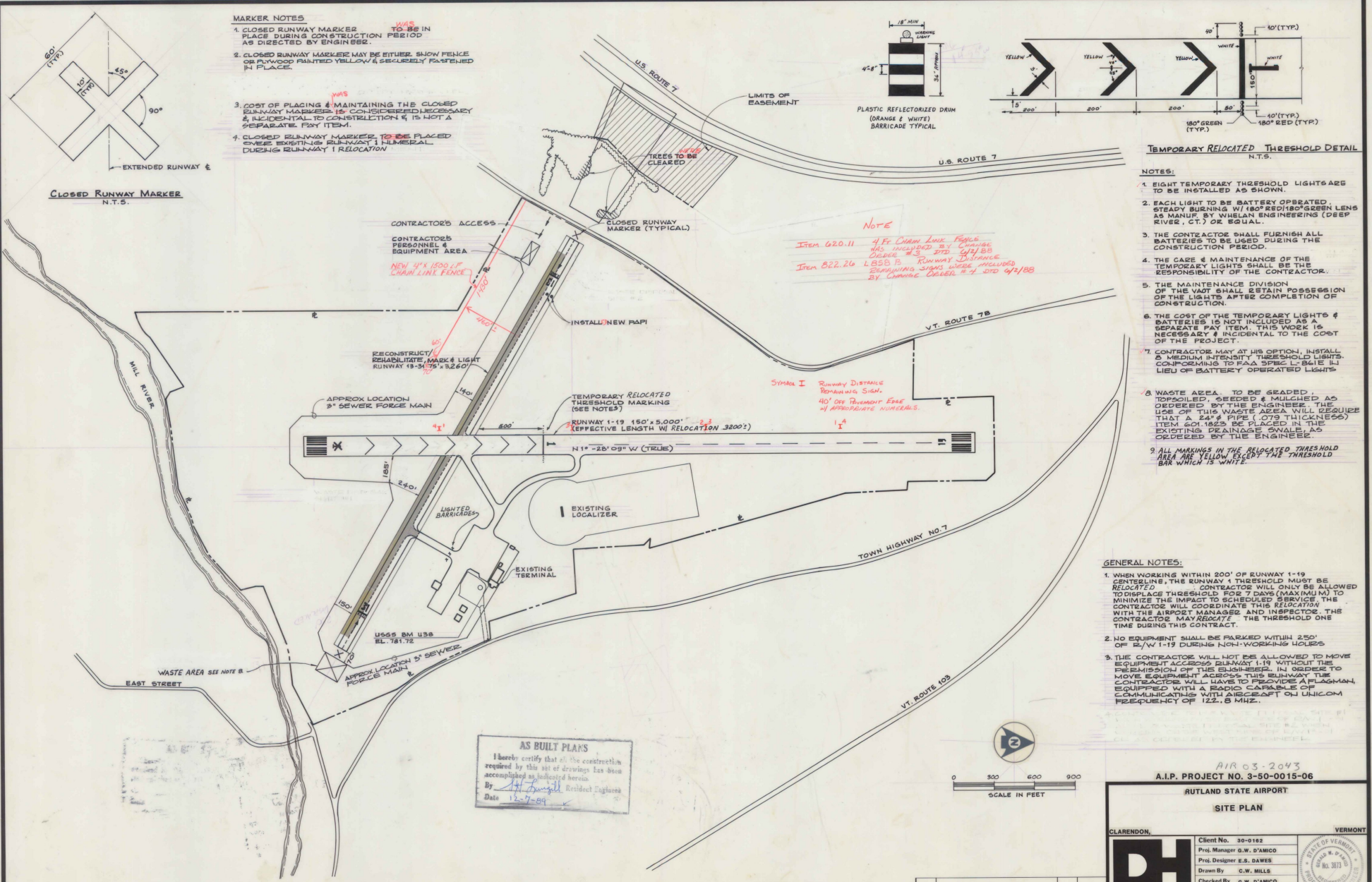
TEMPORARY RELOCATED THRESHOLD LIGHTS N.T.S.

- 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 MANUF 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, COMPARABLE TO FAA 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" FIRE (10" THICK) ITEM 601 1825 BE PLACED IN THE EXISTING DRAINAGE SWALE AS ORDERED BY THE ENGINEER.
 9. ALL MARKINGS IN THE RELOCATED THRESHOLD AREA ARE YELLOW OR WHITE.

NOTE

Item 620.11 4 FT. CHAIN LINK FENCE WAS INCLUDED BY CHANGE ORDER #3

Item 622.26 1850 LB. RUNWAY DISTANCE MARKING SIGNS WERE INCLUDED BY CHANGE ORDER #4, 02/18/85



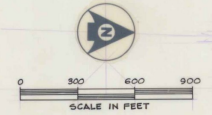
- GENERAL NOTES:**
1. WHEN WORKING WITHIN 200' OF RUNWAY 1-19 CENTERLINE, THE RUNWAY 1 THRESHOLD WILL BE RELOCATED. CONTRACTOR WILL ONLY BE ALLOWED TO DISPLACE THRESHOLD FOR 7 DAYS (MAXIMUM) TO MINIMIZE THE IMPACT TO SCHEDULED SERVICE. THE CONTRACTOR WILL COORDINATE THIS RELOCATION WITH THE AIRPORT MANAGER AND INSPECTOR. 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 A FLAGMAN EQUIPPED WITH A RADIO CAPABLE OF COMMUNICATING WITH AIRCRAFT ON UNICOM FREQUENCY OF 122.8 MHz.

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



CLARENDON, VERMONT

Client No. 30-9182

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

Approved _____

Date _____

DH Dufresne-Henry Inc.

AIR 03-2043

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

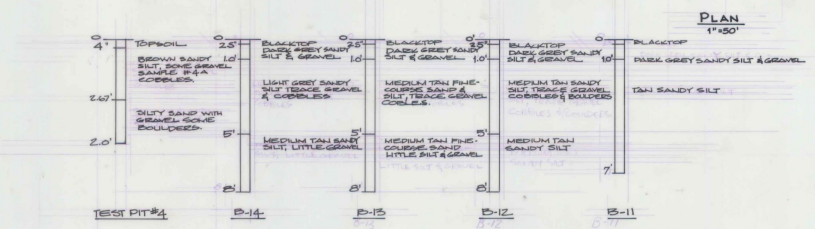
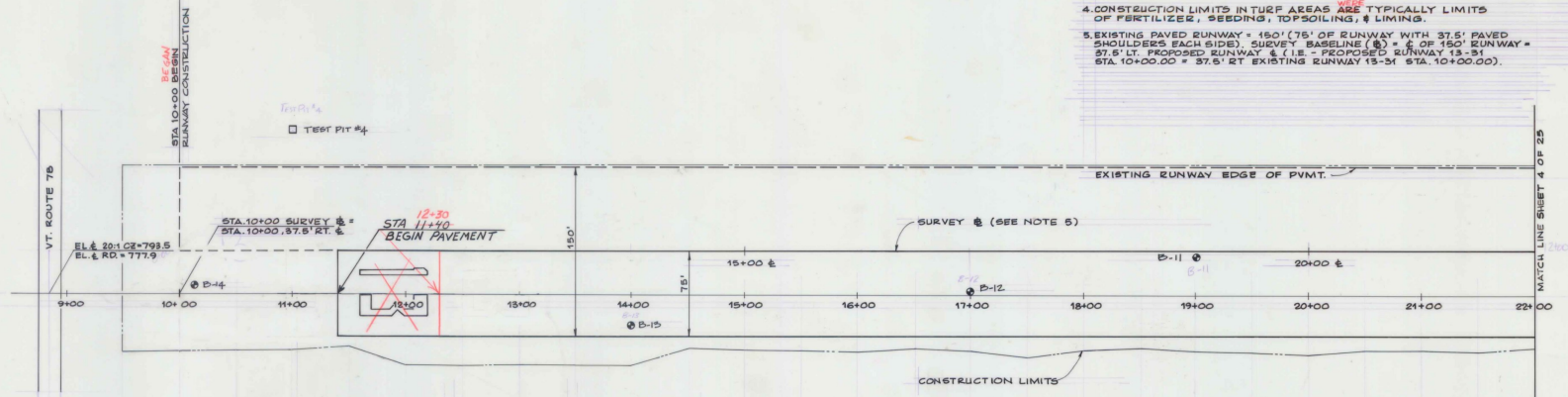
RUTLAND STATE AIRPORT

SITE PLAN

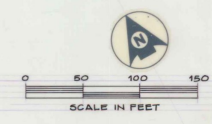
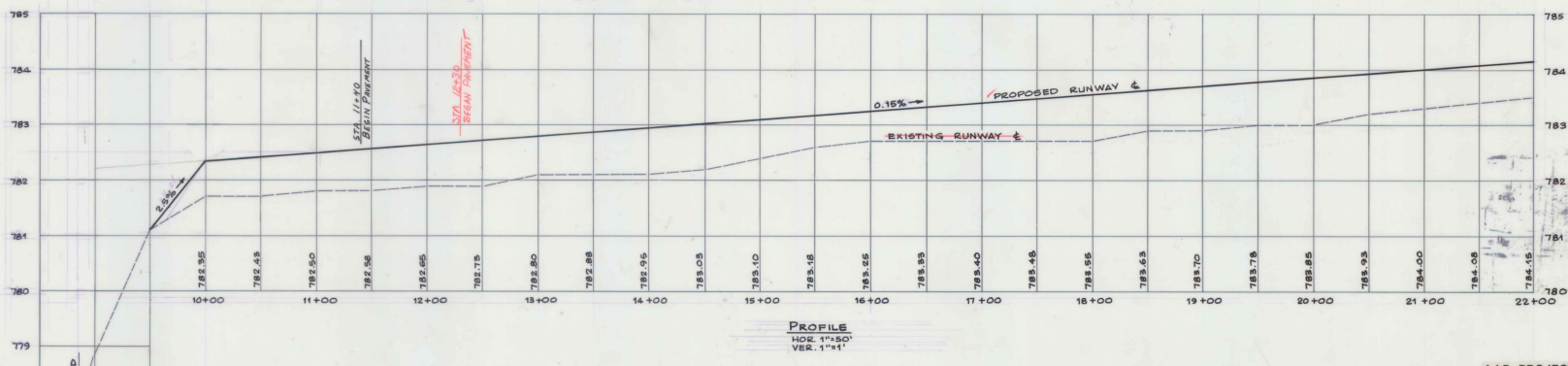
Sheet 2 of 30

PLAN & PROFILE NOTES:

1. ALL ELEVATIONS REFER TO MEAN SEA LEVEL DATUM.
2. SEE SHEET 10 OF 26 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' SHOULDERS EACH SIDE). SURVEY BASELINE (E) = E. OF 150' RUNWAY = 37.5' LT. PROPOSED RUNWAY, & (I.E. - PROPOSED RUNWAY 13-31 STA. 10+00.00) 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

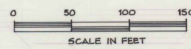
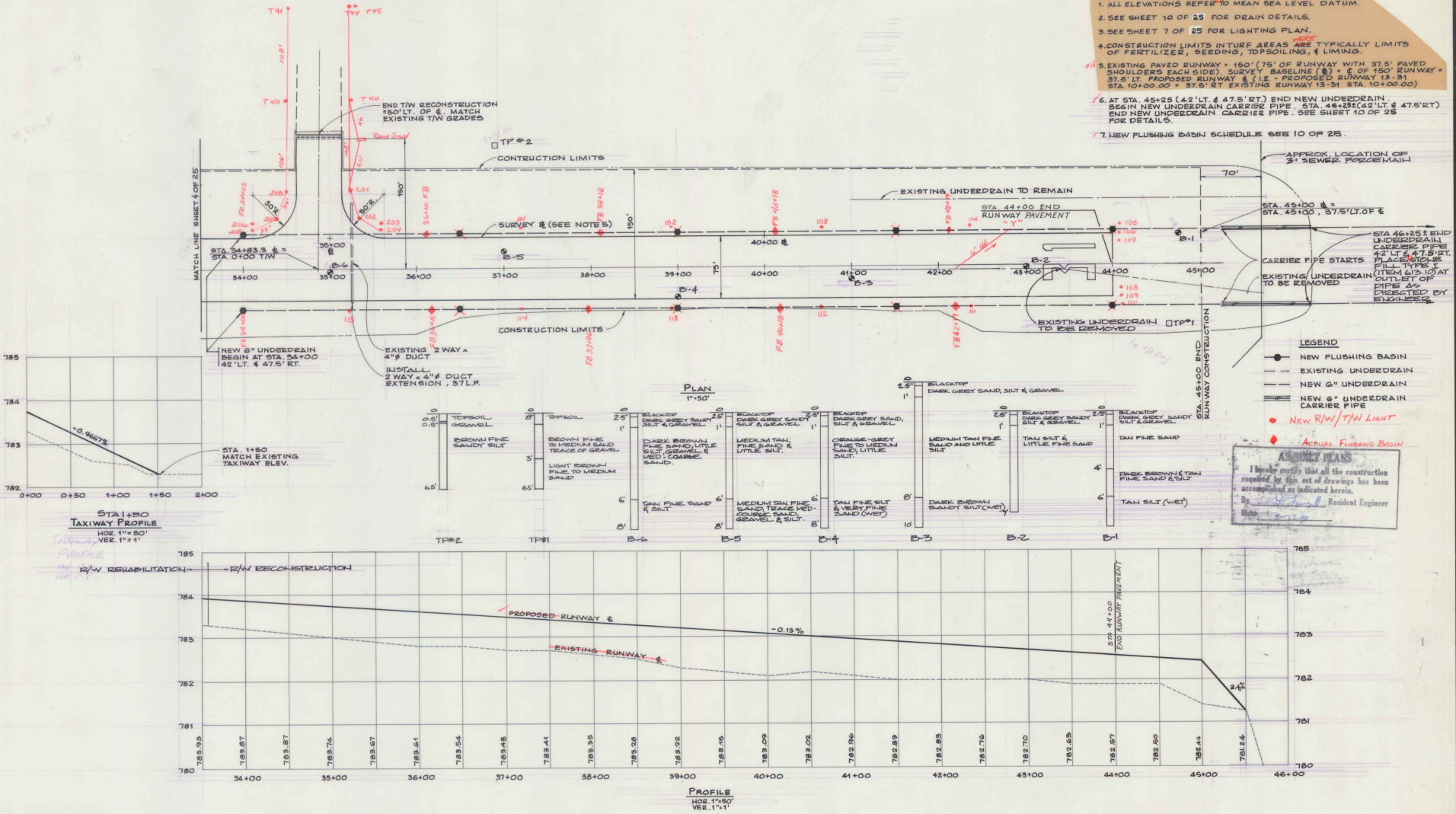
CLARENDON, VERMONT

DH
 Dufresne-Henry Inc.

Client No. 36-0182
 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 [Signature]
 Date

Sheet 3 of 30
 D

- 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 & (L) = 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.



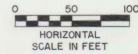
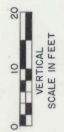
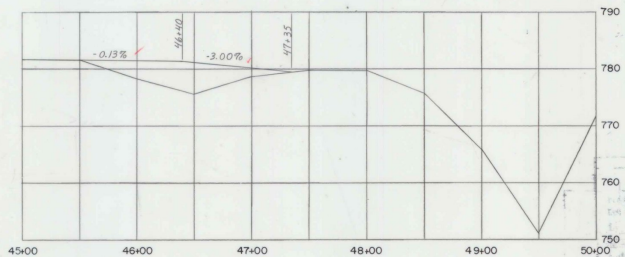
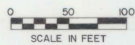
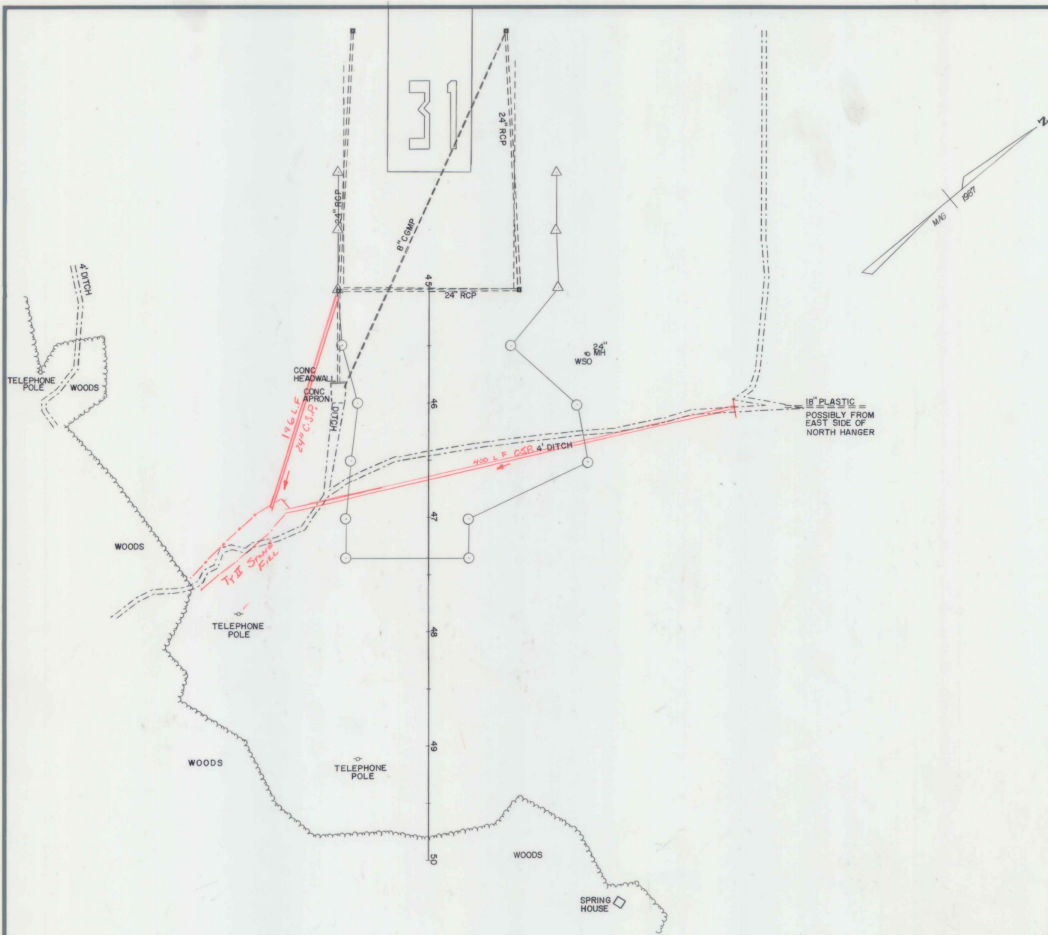
A.I.P. PROJECT NO. 3-50-0015-06
RUTLAND STATE AIRPORT

PLAN & PROFILE - STA. 33+50 TO STA. 45+00

<p>Dufresne-Henry Inc.</p>	Client No. 30-0162	<p>STATE OF VERMONT DEPARTMENT OF TRANSPORTATION RUTLAND DISTRICT OFFICE</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 5 of 30	
Approved	Date	

Rev.	Description	By	Date

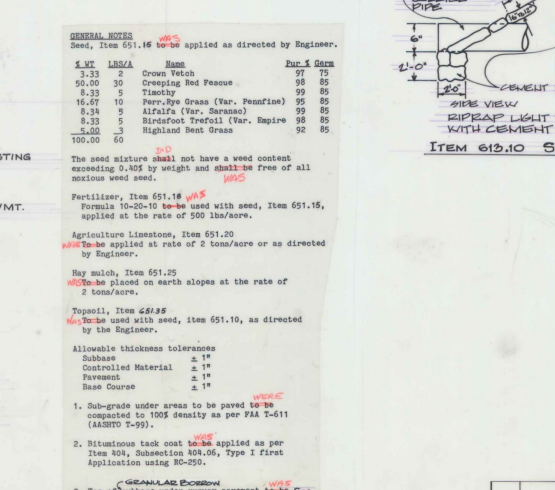
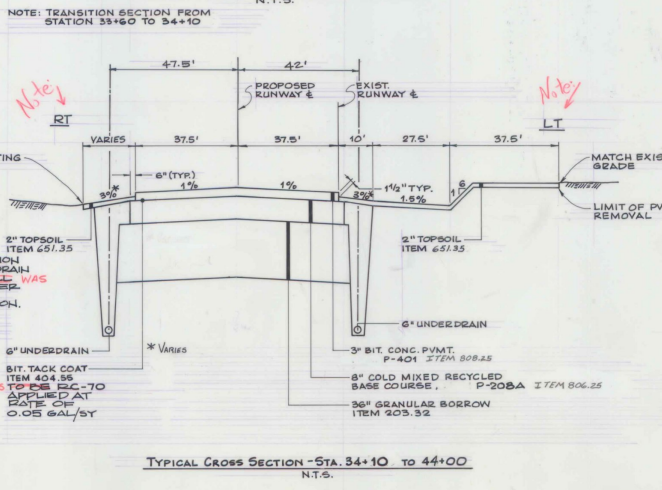
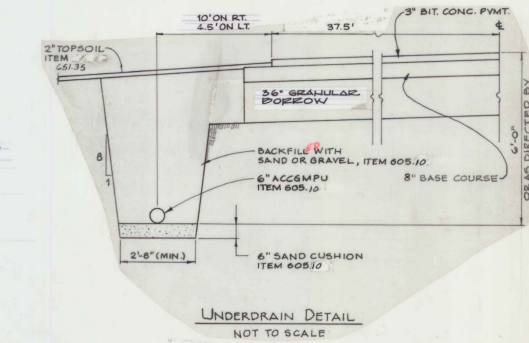
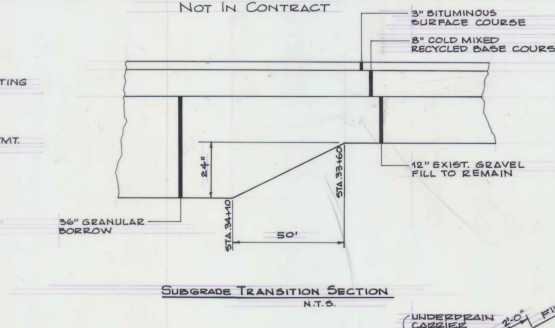
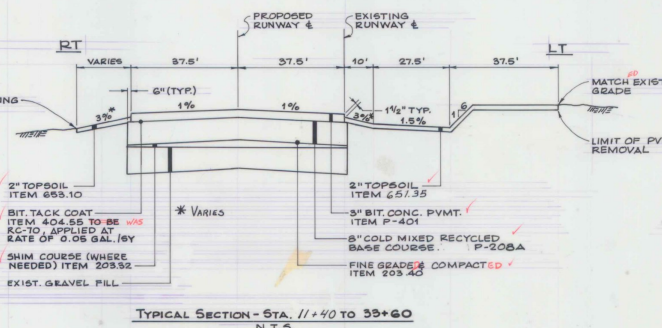
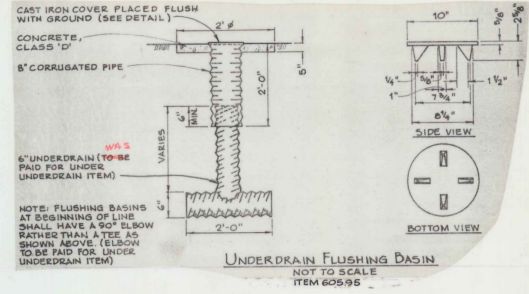
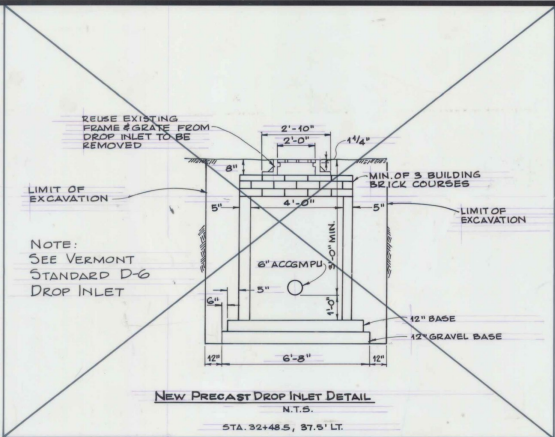
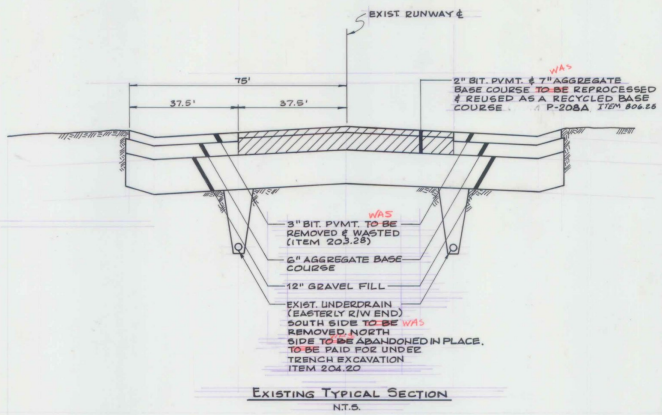
DRAWING NO. 33-50-0015-06



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 6-87
 DRAWN BY DAYE DATE 6-87
 TRACED BY MURDOCK DATE 6-87
 PROJ. AIR NO. 03-2043
 SHEET 5A OF 30



GENERAL NOTES

Seed, Item 551.16 to be applied as directed by Engineer.

1 YD	100 LB/A	Name	Per 1 Acre
3.33	2	Crown Vetch	97 75
50.00	30	Cresting Red Fescue	98 85
8.33	5	Timothy	99 85
16.07	10	Parr. Ryegrass (Var. Pennine)	99 85
8.34	3	Alfalfa (Var. Saranac)	99 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.

Fertilizer, Item 551.18 to be used with seed, Item 551.15, applied at the rate of 500 lbs/acre.

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

Hay mulch, Item 651.25 to be placed on earth slopes at the rate of 2 tons/acre.

Topsoil, Item 651.35 to be used with seed, item 551.10, as directed by the Engineer.

Allowable thickness tolerances:
 Subbase 2 1/4"
 Controlled Material 2 1/4"
 Pavement 2 1/4"
 Base Course 2 1/4"

- Sub-grade under areas to be paved to be compacted to 100% density as per FAA T-611 (ASHTO T-99).
- Bituminous tack coat to be applied as per Item 804, Subsection 804.06, Type I First Application using RD-250.
- Top of subbase under runway pavement to be fine graded and compacted to 100% density as per FAA T-611 (ASHTO 99).

AS BUILT P.L.S.
 I hereby certify that the construction required by the set of drawings has been accomplished as indicated.
 By: *[Signature]* Civil Engineer
 Date: 8-12-90

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

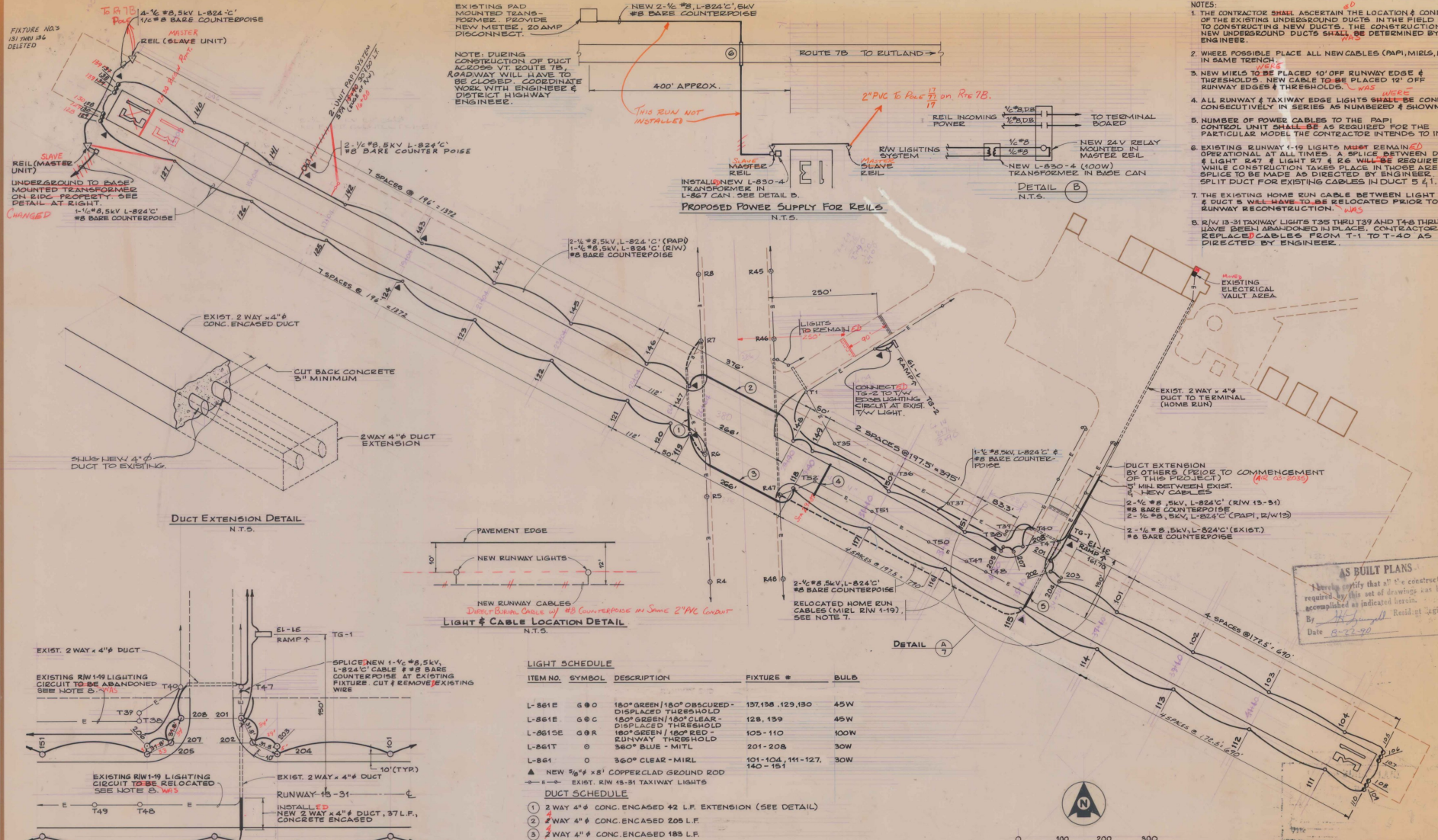
RUTLAND STATE AIRPORT

TYPICAL SECTIONS

	Client No. 30-0182	
	Proj. 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	

Rev.	Description	By	Date

FIXTURE NO. 3
31, 100, 112
DELETED



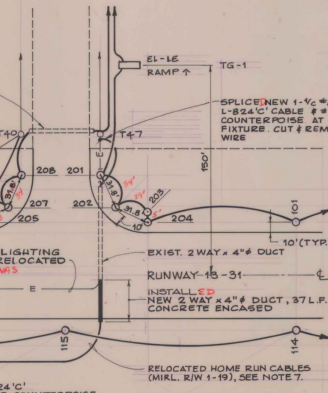
- NOTES:
1. THE CONTRACTOR SHALL ASCERTAIN THE LOCATION & CONDITION OF THE EXISTING UNDERGROUND DUCTS IN THE FIELD PRIOR TO CONSTRUCTING NEW DUCTS. THE CONSTRUCTION ON NEW UNDERGROUND DUCTS SHALL BE DETERMINED BY THE ENGINEER.
 2. WHERE POSSIBLE PLACE ALL NEW CABLES (PAPI, MRLS, ETC.) IN SAME TRENCH.
 3. NEW MRLS 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 DUCT #5 & LIGHT #47 & LIGHT #7 & #6 WILL BE REQUIRED WHILE CONSTRUCTION TAKES PLACE IN THESE 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 #47 & DUCT 5 WILL HAVE TO BE RELOCATED PRIOR TO THE RUNWAY RECONSTRUCTION.
 8. RW 13-31 TAXIWAY LIGHTS T35 THRU T39 AND T46 THRU T48 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
DIRECT RUNWAY CABLES TO BE COUNTERPOISE IN SAME 2" PVC CONDUIT

LIGHT & CABLE LOCATION DETAIL
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-861E	G 0 C	180° GREEN 180° CLEAR - DISPLACED THRESHOLD	128, 159	45W
L-861SE	G 0 R	180° GREEN 180° RED - RUNWAY THRESHOLD	105-110	100W
L-861T	0	360° BLUE - MITL	201-208	30W
L-861	0	360° CLEAR - MRL	101-104, 111-127, 140-151	30W

- DUCT SCHEDULE
1. 2 WAY 4" CONC. ENCASED 42 L.F. EXTENSION (SEE DETAIL)
 2. 2 WAY 4" CONC. ENCASED 205 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 50 L.F.

TAXIWAY GUIDANCE SIGN SCHEDULE

NO.	TYPE	LOCATION	FRONT	REAR
TG-1	5 PANEL, L-868 R/Y	STA 35+35.5, 150' LT OF & T/W STA 4+87.5, 50' RT.	8 1 1 3	RAMP ↑
TG-2	5 PANEL, L-868 R/Y	50' RT. OF T/W &	1 1 9	RAMP ↑

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 herein.
By: [Signature]
Date: 8-27-90



RUTLAND STATE AIRPORT
LIGHTING PLAN

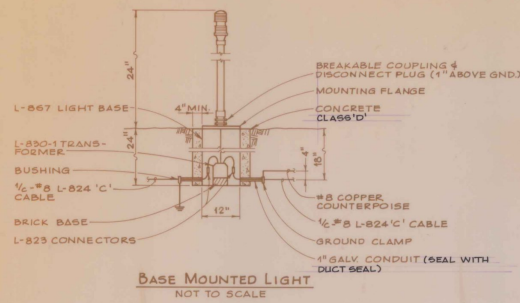
CLARENDON, VERMONT

Dufresne-Henry Inc.

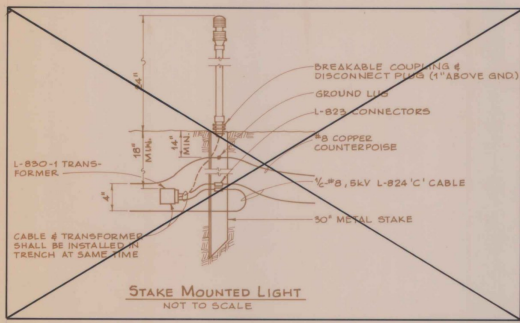
Client No. 30-0182
Proj. Manager G.W. D'AMICO
Proj. Designer E.S. BARNES
Drawn By C.W. MILLS
Checked By G.W. D'AMICO
Scale AS SHOWN
Approved [Signature]
Date

Sheet 7 of 30

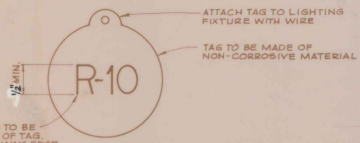
A.I.P. PROJECT NO. 3-30-0015-06
DELETE VASI, INSECT PAPI, ESD 6-14-85
ADD RELS. POWER VIA E.I.D.C. SWD 7-12-89



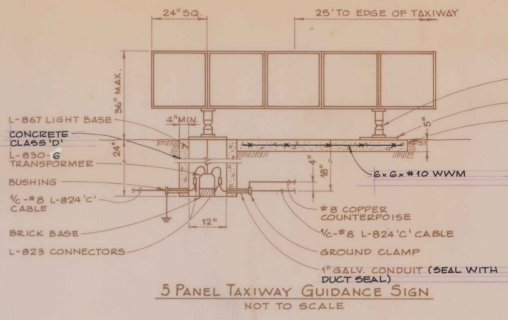
NOTE:
PROVIDE A 3" LOOP OF CABLE AT ALL TRANSFORMER LOCATIONS.



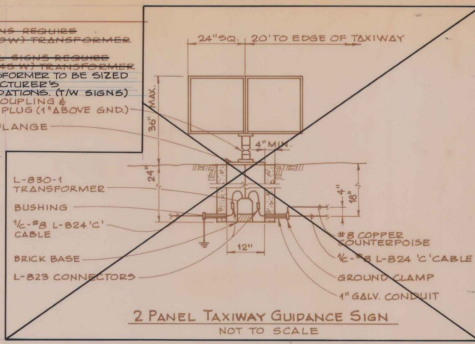
NOT IN CONTRACT



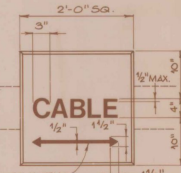
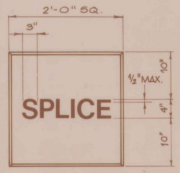
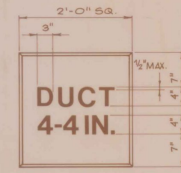
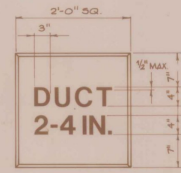
LETTER & NUMBERS TO BE PERMANENT PART OF TAG.
"E" INDICATES RUNWAY EDGE OR THRESHOLD LIGHT
"T" INDICATES TAXIWAY EDGE LIGHT



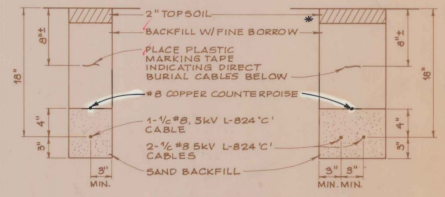
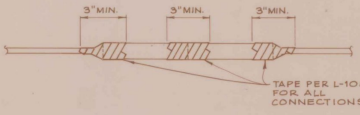
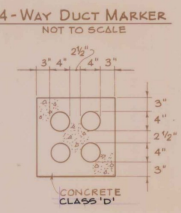
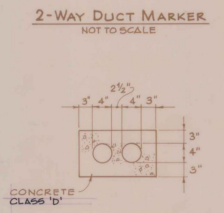
NOTE:
5-PANEL SIGN REQUIRES L-830-6 (200W) TRANSFORMER
L-830-1 TRANSFORMER REQUIRES L-830-6 (200W) TRANSFORMER
L-830 TRANSFORMERS TO BE SIZED PER MANUFACTURER'S RECOMMENDATIONS (TW SIGNS)
BREAKABLE COUPLING & DISCONNECT PLUG (1" ABOVE GND.)
MOUNTING FLANGE
CONCRETE CLASS 'D'



NOT IN CONTRACT



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



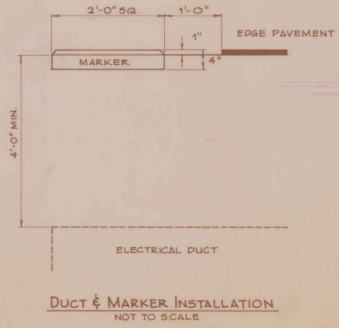
NO - DIRECT BURIAL CABLE TRENCH DETAILS
NOT TO SCALE

* FINE BORROW = MATERIAL REASONABLY FREE FROM LUMPS, CLAY OR ORGANIC MATERIAL, MAXIMUM SIZE 3/4"

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

LIGHT LOCATION SCHEDULE

STATION	NO.	OFFSET (ft)	STATION	NO.	OFFSET (ft)
131-136	DELETED		299-30	118	47.5E
				149	47.5E
			31472.5	117	47.5E
				130	47.5E
11-20	128	47.5E	33425.0	116	47.5E
	129	37.5E		131	47.5E
	130	25.5E	34408.3	205	47.5E
	131	27.5E		206	50.5E
	132	31.5E	34422.3	207	61.5E
	139	47.5E			
10+26	107	47.5E	34448.3	208	87.5E
	140	47.5E	34418.3	201	87.5E
10+28	126	47.5E	34425.3	115	47.5E
	141	47.5E	34422.3	202	61.5E
17+18	125	47.5E	34422.3	202	61.5E
	142	47.5E	34422.3	203	50.5E
19+14	124	47.5E	37420	101	47.5E
	143	47.5E		114	47.5E
21+10	123	47.5E	38402.5	102	47.5E
	144	47.5E		113	47.5E
23+06	122	47.5E	40405	103	47.5E
	145	47.5E		112	47.5E
25+02	121	47.5E	42425.0	104	47.5E
	146	47.5E		111	47.5E
26+16	120	47.5E	44410	105	47.5E
	147	47.5E		106	37.5E
26+64	119	47.5E		107	37.5E
	148	47.5E		108	27.5E
				109	37.5E
				110	47.5E



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.S. DAWES
Drawn By C.W. MILLS
Checked By G.W. D'AMICO
Scale AS SHOWN

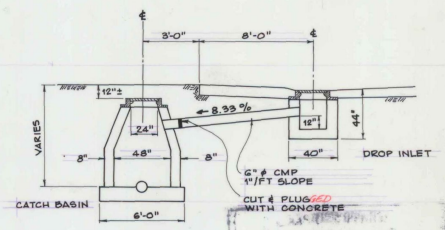
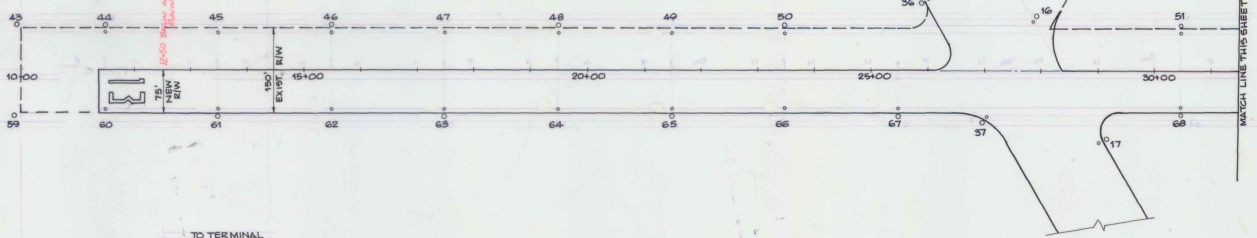
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
By: *[Signature]* Resident Engineer
Date: 8-22-50

Sheet 8 of 30

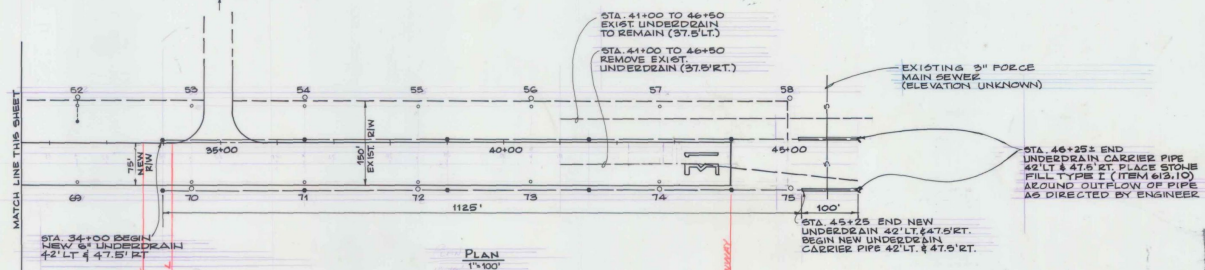
Rev.	Description	By	Date

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'

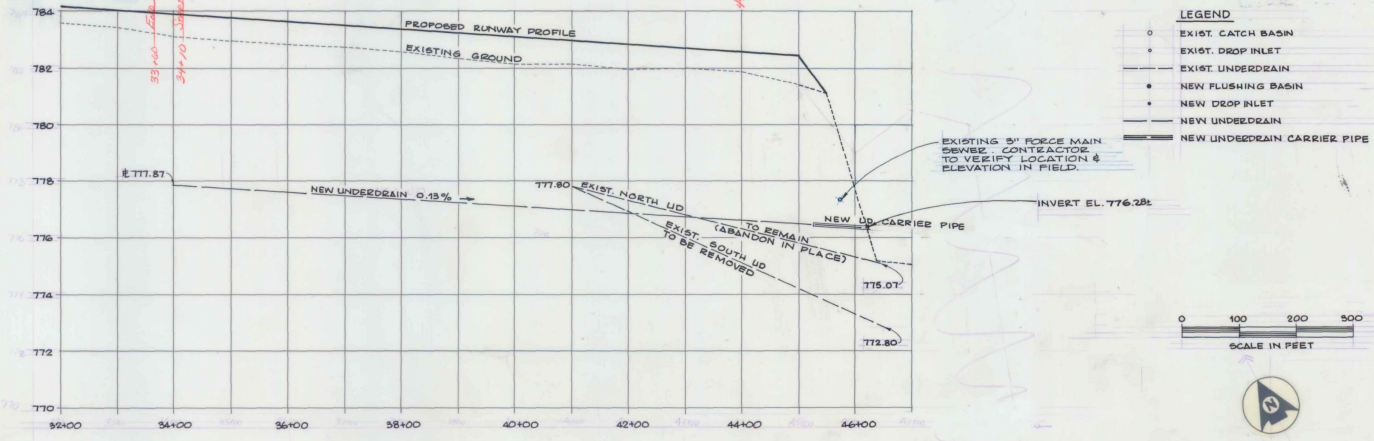


NOTE:
IF DROP INLET IS TO BE REMOVED, THE CONTRACTOR WILL CUT AND PLUG THE 6" METAL PIPE AS CLOSE TO THE CATCH BASIN AS POSSIBLE. THE PLUG SHALL BE CONCRETE.



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: 8-23-00

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



PROFILE
HORIZ. 1"=100'
VERT. 1"=2'

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

Rev.	Description	By	Date

RUTLAND STATE AIRPORT

DRAINAGE DETAILS

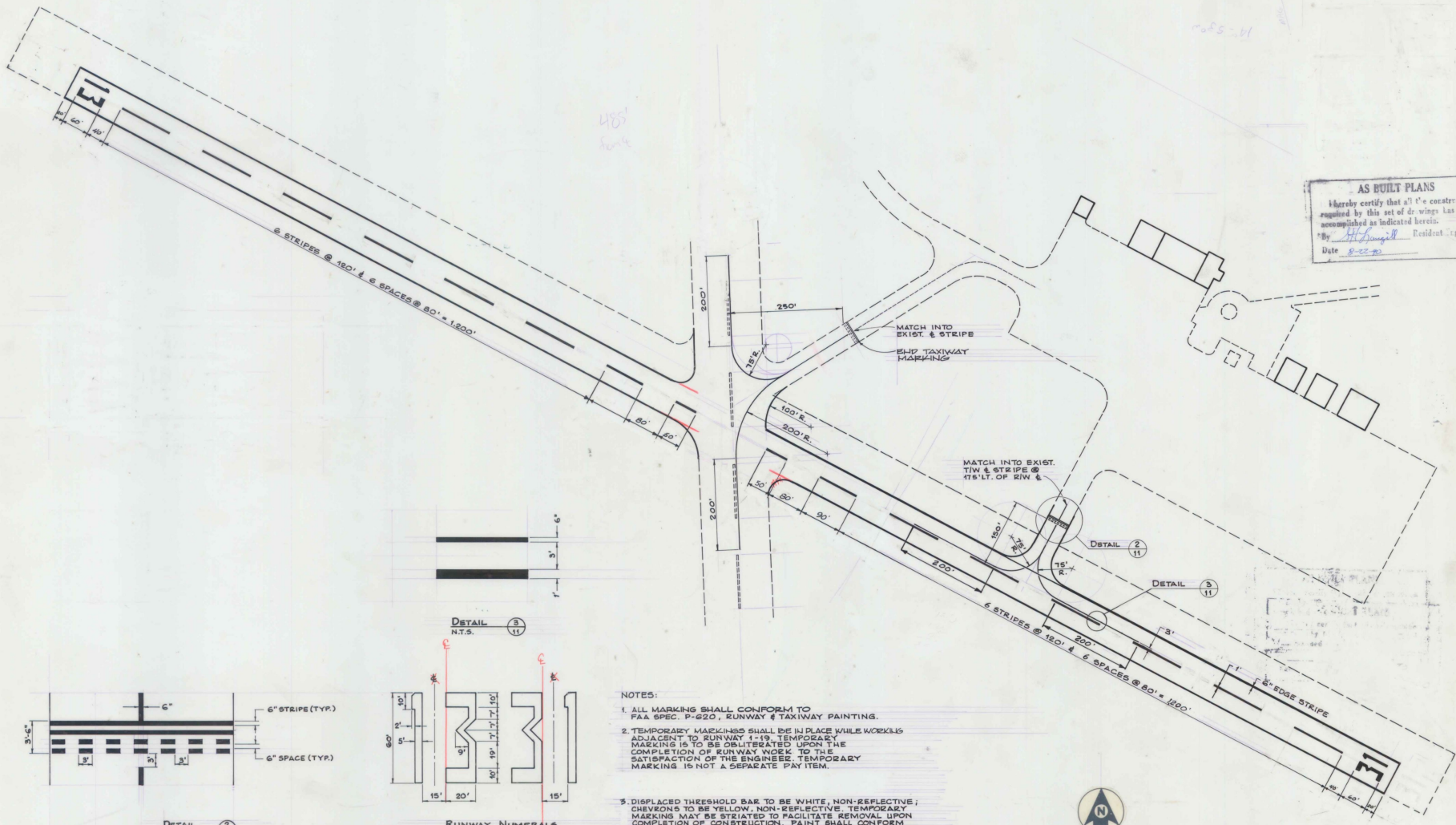
CLARENDON

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

Client No. 35-0162
Prof. Manager G.W. D'AMICO
Prof. Designer E.S. DAWES
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

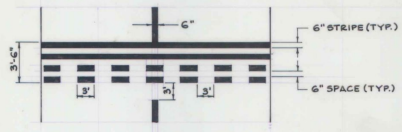


AS BUILT PLANS
 I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.
 By *H.S. [Signature]* Resident Engineer
 Date 8-22-20

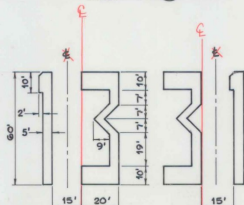
485'
 485'



DETAIL 1
 N.T.S. 3/11

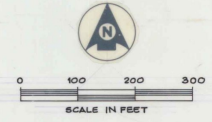


DETAIL 2
 N.T.S. 3/11



DETAIL 3
 N.T.S. 3/11

- 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 MARKING MAY BE STRIATED TO FACILITATE REMOVAL UPON COMPLETION OF CONSTRUCTION. PAINT SHALL CONFORM TO FAA SPEC. T1-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 CENTERLINES & HOLDLINE ARE TO BE ORANGE-YELLOW, CONFORMING TO FEDERAL SPEC. T1-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

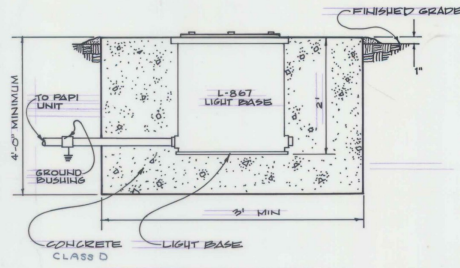
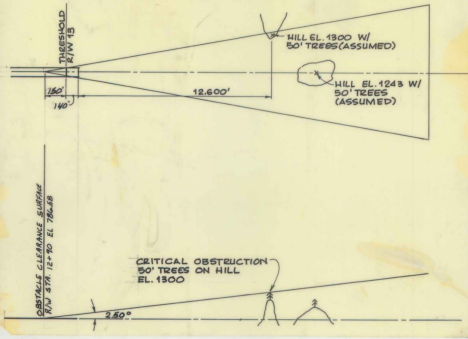
CLARENDON, VERMONT

DH Dufresne-Henry Inc. 235 Washington Ave. Portland, Maine 04103	Client No. 30-0162	
	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	
Approved _____ Date _____	Sheet 11 of 30 D	

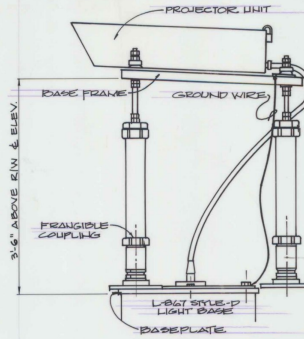
A.I.P. PROJECT NO. 3-50-0015-06

Rev.	Description	By	Date

DRAWING MADE BY 481373



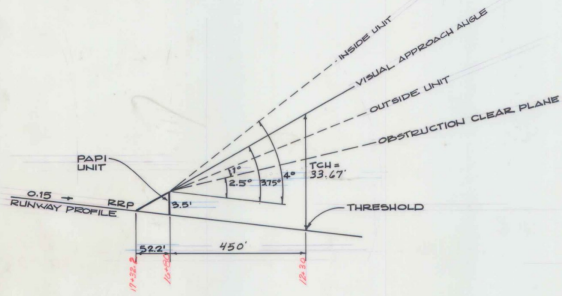
PAPI CAN INSTALLATION
N.T.S.



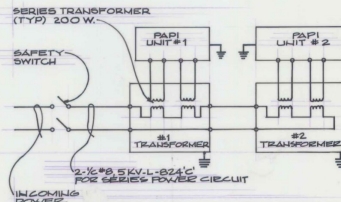
2 WAY PAPI MOUNTING DETAIL
N.T.S.

PAPI NOTES

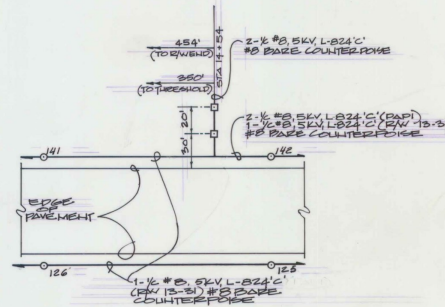
1. CONTRACTOR TO STENCIL THE AIMING ANGLE ON THE PROJECTOR UNITS.
2. PAPI TO CONFORM TO FAA SPEC. CLASS 2 (VOLTAGE POWERED) CLASS 2 (OPERATION TO 55K).
3. REFER TO MANUFACTURER'S SPECIFICATION FOR DIMENSIONS AND FOUNDATION SPACING.



PAPI AIMING ANGLE
N.T.S.

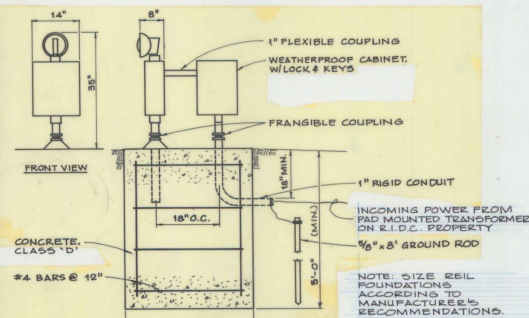


PAPI WIRING DIAGRAM
N.T.S.

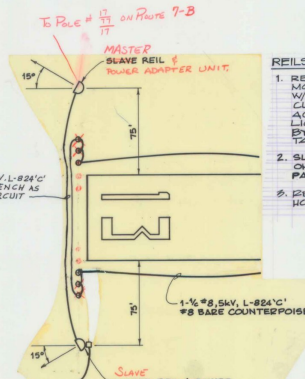


PAPI SITING & WIRING DIAGRAM
1" = 50'

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



MASTER REIL UNIT
N.T.S.



REILS SITING & WIRING DIAGRAM
N.T.S.

REILS NOTES

1. REILS TO BE AMPASSADORE MODEL NO. 68A 20-100 OR EQUAL W/120V, 6.6A POWER ADAPTER & CURRENT SENSING TO BE ACTIVATED OFF RUNWAY LIGHTING CIRCUIT AS MANUL BY GODFREY ENGINEERING, TAMPA, FL.
2. SLAVE REIL TO BE MOUNTED ON FOUNDATION SIMILAR TO PAPI FOUNDATION SHOWN ABOVE.
3. REILS SHALL BE AIMED 15° HORIZONTAL & 10° VERTICAL.

2-1/2" #8, 5KV, L-824'C UNDERGROUND TO PAD MOUNTED TRANSFORMER ON E.I.D.C. PROPERTY SEE DETAIL ON SHEET 7 OF 25.

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

RUTLAND STATE AIRPORT

APPROACH AIDS

CLARENDON,	Client No. 30-0182	VERMONT
	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	
Approved	Date	Sheet 12 of 30

Rev.	Description	By	Date
1	DELETE VASI, INSERT PAPI	ESD	6-14-88
2	ADD REILS POWER VIA E.I.D.C.	GWD	1-12-85