

PLANS FOR CONSTRUCTION OF PAVEMENT OVERLAY RUNWAY 5-23

TO INCLUDE:
RECONSTRUCTION OF RUNWAY 5-23
RUNWAY TURN-AROUNDS
RUNWAY MARKINGS

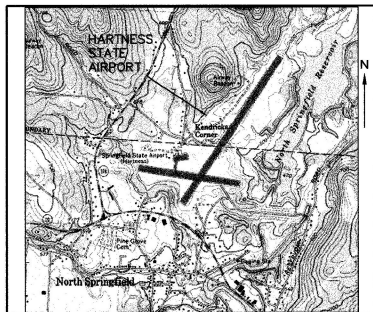
HARTNESS STATE AIRPORT
NORTH SPRINGFIELD, VERMONT

VAOT EA 043137

MAY 2000



LOCATION MAP



VICINITY MAP

RECORD PLANS

CONTRACTOR: LANE CONSTRUCTION
MERIDAN, CT
RESIDENT ENGINEER: ROD MACLAY
CONSTRUCTION BEGAN: AUGUST 8, 2000
CONSTRUCTION COMPLETED: OCTOBER 25, 2000
RECORD PLANS BY: CONSTRUCTION CADD

I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY
THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED
HEREIN.

BY: ROD MACLAY, RESIDENT ENGINEER
DATE: APRIL 20, 2001

NOTE: ANY FURTHER INFORMATION CONCERNING FINAL QUANTITIES,
AMOUNTS OR OTHER DETAILS RELATIVE TO THIS PROJECT MAY BE
FOUND ON MICROFILM IN CENTRAL FILES.

ITEM	DESCRIPTION	UNIT	QUANTITIES
203.15	Common Excavation	CY	375
203.16	Solid Rock Excavation	CY	10
203.31	Sand Borrow	SY	765
203.40	Fine Grading-subgrade	SY	1700
210.10	Cold Planing-bit Pavement	SY	60500
301.26	Subbase of Crushed Gravel(Fine Graded)	CY	300
404.65	Emulsified Asphalt	CWT	410
406.25	Bituminous Concrete Type I (Mod.)(1)	TON	290
406.25	Bituminous Concrete Type III (Mod.)(2)	TON	11000
406.50	Price Adjustment Asphalt Cement (N.A.B.I.)	LS	1
417.10	Bituminous Crack Filling	LB	4500
417.10	Bituminous Crack Filling (Mod.)	LB	1500
524.11	Joint Sawing and Sealing, Hot Poured (MOD)	LF	300
609.10	Dust Control With Water	MGAL	10
631.17	Testing Equipment-bituminous	LS	1
635.10	Mobilization	LS	1
646.30	Letter or Symbol (Mod.)(1)	EA	2
646.30	Letter or Symbol (Mod.)(2)	EA	2
646.30	Letter or Symbol (Mod.)(3)	EA	1
646.30	Letter or Symbol (Mod.)(5)	EA	1
646.30	Letter or Symbol (Mod.)(9)	EA	1
649.54	Geotextile Fabric for Silt Fence	SY	350
651.15	Seed	LB	75
651.18	Fertilizer	LB	500
651.20	Agricultural Limestone	TON	1
651.25	Mulch	TON	1
651.26	Hay Bales for Erosion Control	EA	10
651.35	Topsoil	CY	70
864.03	Runway and Taxiway Painting (Durable White)	SF	22000
864.03	Runway and Taxiway Painting (Durable Yellow)	SF	900
864.03	Runway and Taxiway Painting (Temporary Yellow)	SF	22000
864.03	Runway and Taxiway Painting (Temporary Yellow)	SF	900
864.05	L-108, 1/c #8, L-824, Type C, Skva	LF	335
864.06	L-108, #8 Counterpoise Wire	LF	335
864.08	L-110 2 Way X4" Dia. Ug Elect. Duct	LF	175

QUANTITIES

SHEET TITLE

- TITLE SHEET
- CONSTRUCTION PHASING PLAN
- CONSTRUCTION NOTES
- RUNWAY PAVING PLAN STA. 1+00 TO STA. 14+50
- RUNWAY PAVING PLAN STA. 14+50 TO STA. 28+50
- RUNWAY PAVING PLAN STA. 28+50 TO STA. 42+50
- RUNWAY PAVING PLAN STA. 42+50 TO STA. 56+00
- RUNWAY TURNAROUND GRADING PLAN
- TYPICAL SECTIONS
- DETAILS
- RUNWAY 5-23 MARKING DETAILS
- RUNWAY 11-29 MARKING DETAILS

VTRANS STANDARD DRAWINGS

AP-3 DUCT AND DUCT MARKER DETAILS	6-1-94
AP-10 RUNWAY MARKING DETAILS	6-1-94
AP-11 TAXIWAY AND APRON MARKING DETAILS	6-1-94
E-106 TRAFFIC CONTROL AND MISCELLANEOUS DETAILS	8-8-95
T-1 TEMPORARY EROSION CONTROL DETAILS	6-1-94
T-2 TEMPORARY EROSION CONTROL DETAILS	6-1-94

INDEX OF SHEETS

DUFRESNE-HENRY, INC.
SUBMITTED BY: *Michael J. Dufresne*
SENIOR PROJECT MANAGER

DATE: 5/10/00

VERMONT AGENCY OF TRANSPORTATION
APPROVED BY: *David A. Dufresne*
DIRECTOR, MAINTENANCE & AVIATION DIVISION

DATE: May 17, 2000



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BUILT AS DESIGNED

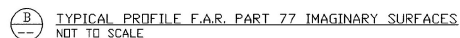
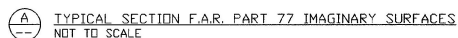
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Runway 5-23 will be closed to air traffic during construction. The runway shall be closed for a maximum of 40 calendar days. Work within the Runway 5-23 object free zone shall be limited to the hours of 6:00 AM and 10:00 PM.

Runway 11-29 shall remain open at all times during the project, with the exception of the pavement striping activities. No work shall be allowed within the Runway 11-29 object free zone without authorization from the Engineer. Work within the Runway 11-29 object free zone will require that the runway be closed. At least 48 hours notice is required prior to closing the runway.

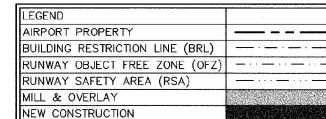
All work must comply with the requirements of FAA AC 150/5370-2C, Operational Safety During Construction. See General Construction and Safety Notes for additional information.

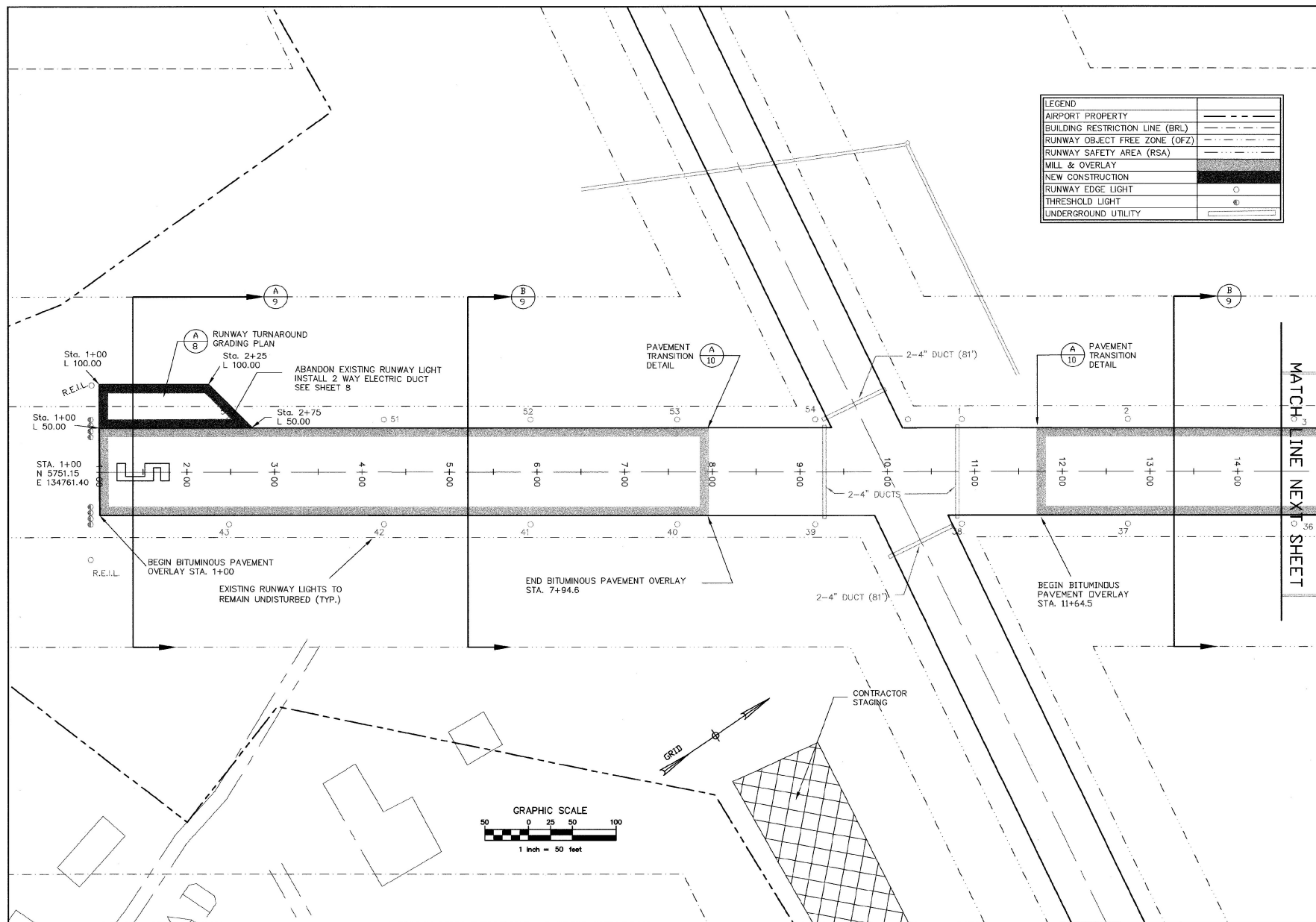
The contractor shall submit a construction schedule to the Engineer prior to commencing work on the airport. This schedule shall be updated weekly. No work will be allowed outside the areas included in the approved schedule.

Prior to opening the runways to air traffic, the runways will be inspected by the Contractor and the Engineer. Inspections will be scheduled for 7:00 AM the day following the completion of the construction activities which caused the runway to be closed.

Construction includes: install closed runway markers on Runway 5-23 and de-energize Runway 5-23 Runway Lights. Commence construction activities from Station 1+00 to Station 7+94.6, and Station 11+64.5 to Station 55+00, including pavement milling, excavation of material for new turnarounds, removal of one runway edge light and circuitry including installation of new electrical conduit, new pavement structure for turnarounds, and pavement overlay. Install new runway temporary pavement markings.

Final cleanup, permanent installation of pavement markings, and other miscellaneous work will be accomplished within 95 calendar days of the commencement of the project. The runway will not be closed for this work, with the exception of a two 12 hour periods in which the permanent runway pavement markings will be installed.





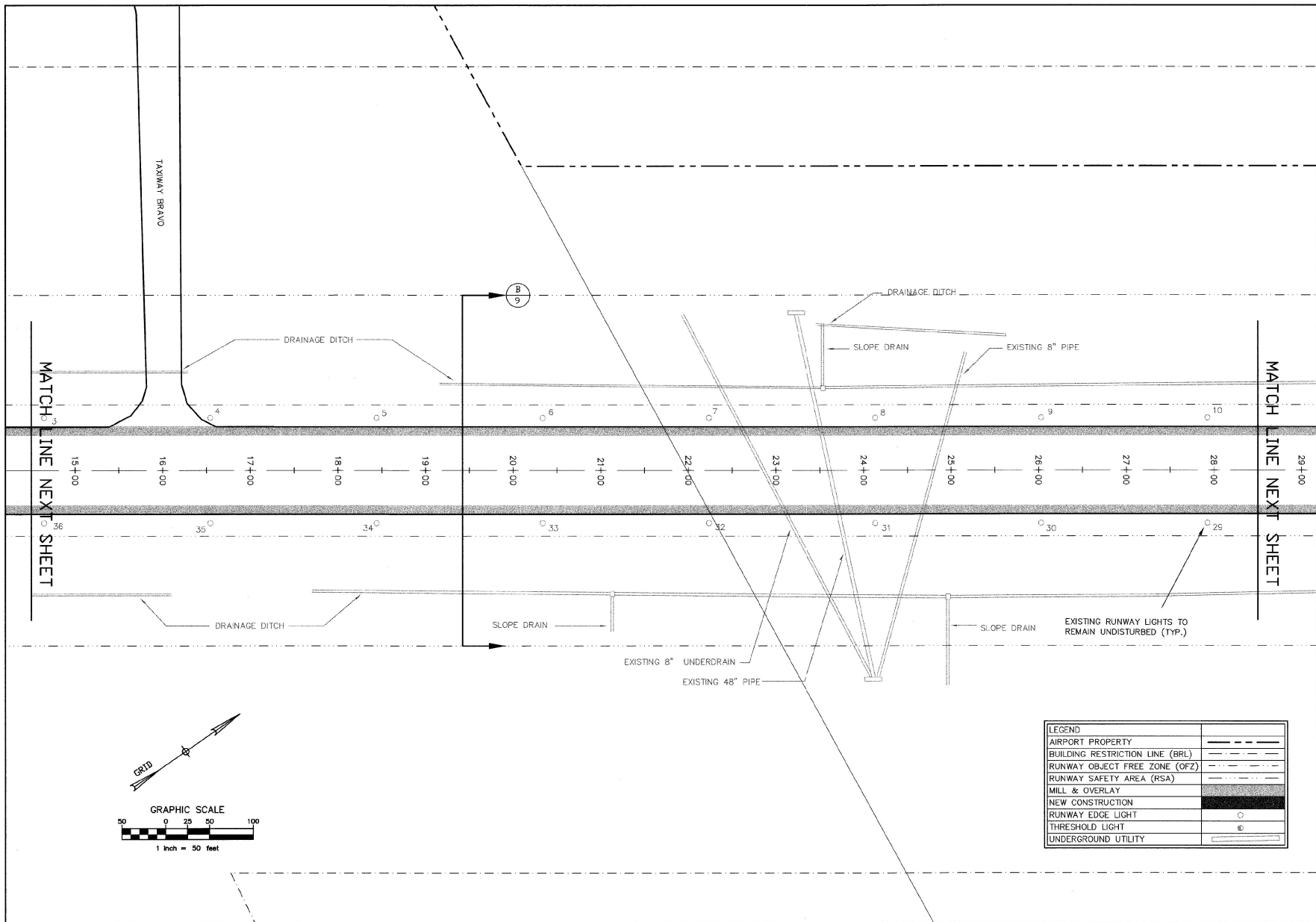
MATCH LINE NEXT SHEET

HARTNESS STATE AIRPORT
VAOT EA 043137

RUNWAY PAVING PLAN
STA 1+00 TO STA 14+50

Project No.	8180049.01
Proj. Manager	MLC
Proj. Designer	GPR
Drawn By	GPR
Checked By	MLC
Scale	1"=50'
Approved	DCD

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VERMONT

RUNWAY PAVING PLAN
STA 14+50 TO STA 28+50

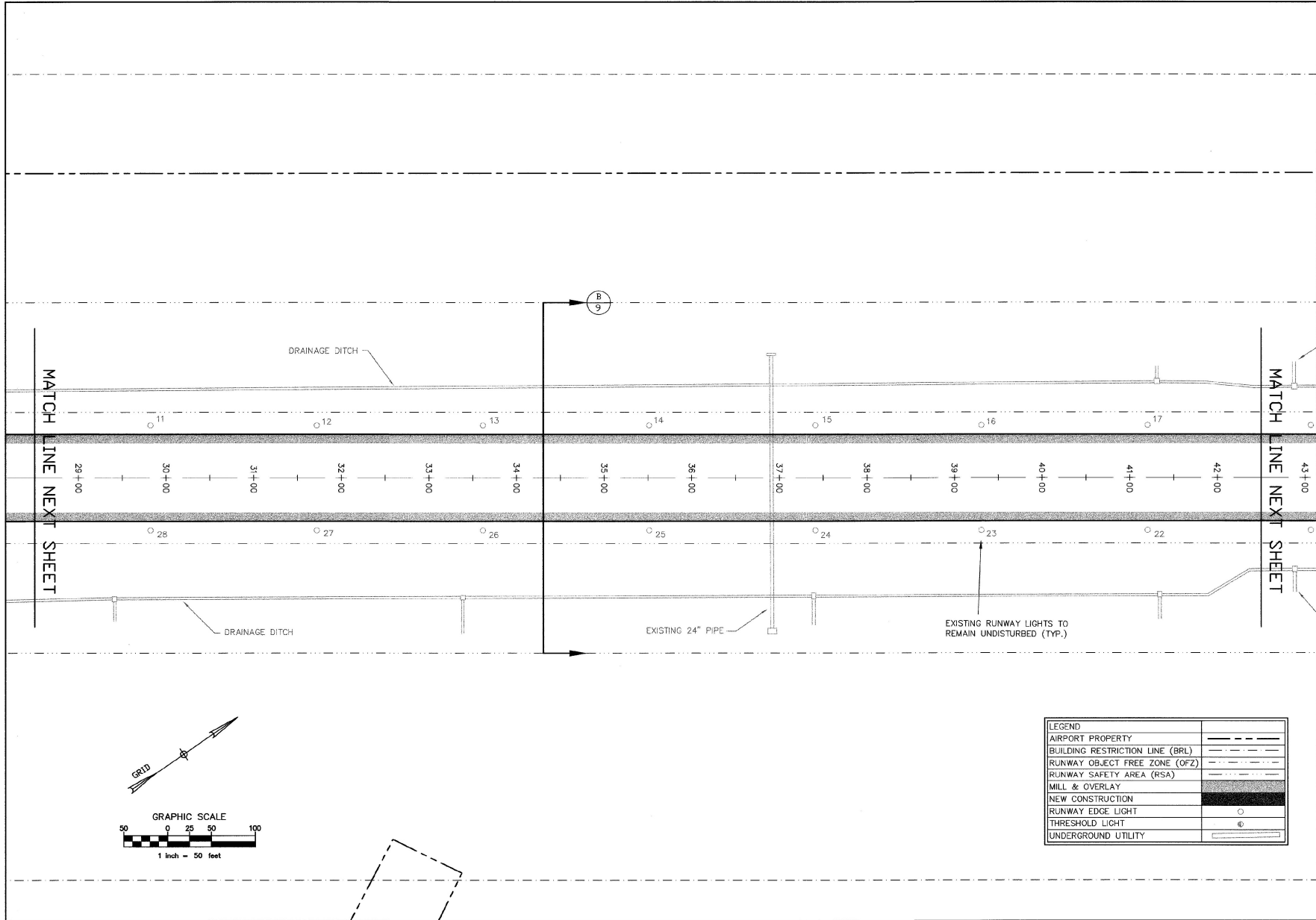
SPRINGFIELD



Project No.	8130048 01
Proj. Manager	MLC
Proj. Designer	GPR
Drawn By	GPR
Checked By	MLC
Scale	1"=50'
Approved	DCD
Date	MAY 2000

5

Sheet	5 of 12
D	SHEET5



Duffresne-Henry
 SOUTH BURLINGTON, VERMONT
 Tel: 802.244.4444
 www.duffresne-henry.com

Rev.	Description	By	Date

HARTNESS STATE AIRPORT
 VACT EN 040107

RUNWAY PAVING PLAN
 STA 28+50 TO STA 42+50

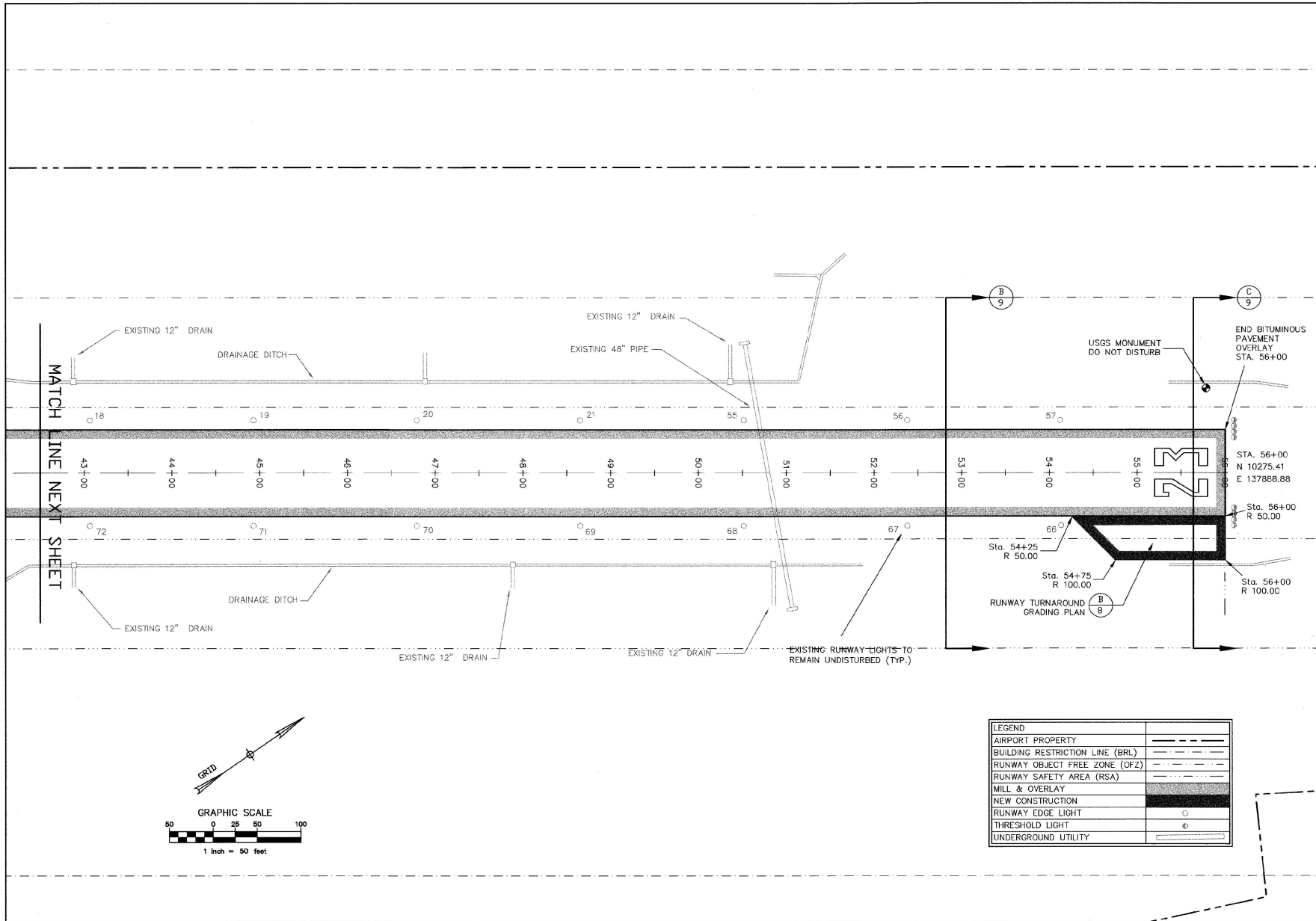
VERMONT
 SPRINGFIELD

Project No. 11004421

Proj. Manager	MLC
Proj. Engineer	GRE
Drawn By	MLC
Checked By	MLC
Scale	1"=50'
Approved	DD
Date	MAY 2006

6

Sheet 6 of 12
 D SHEETS



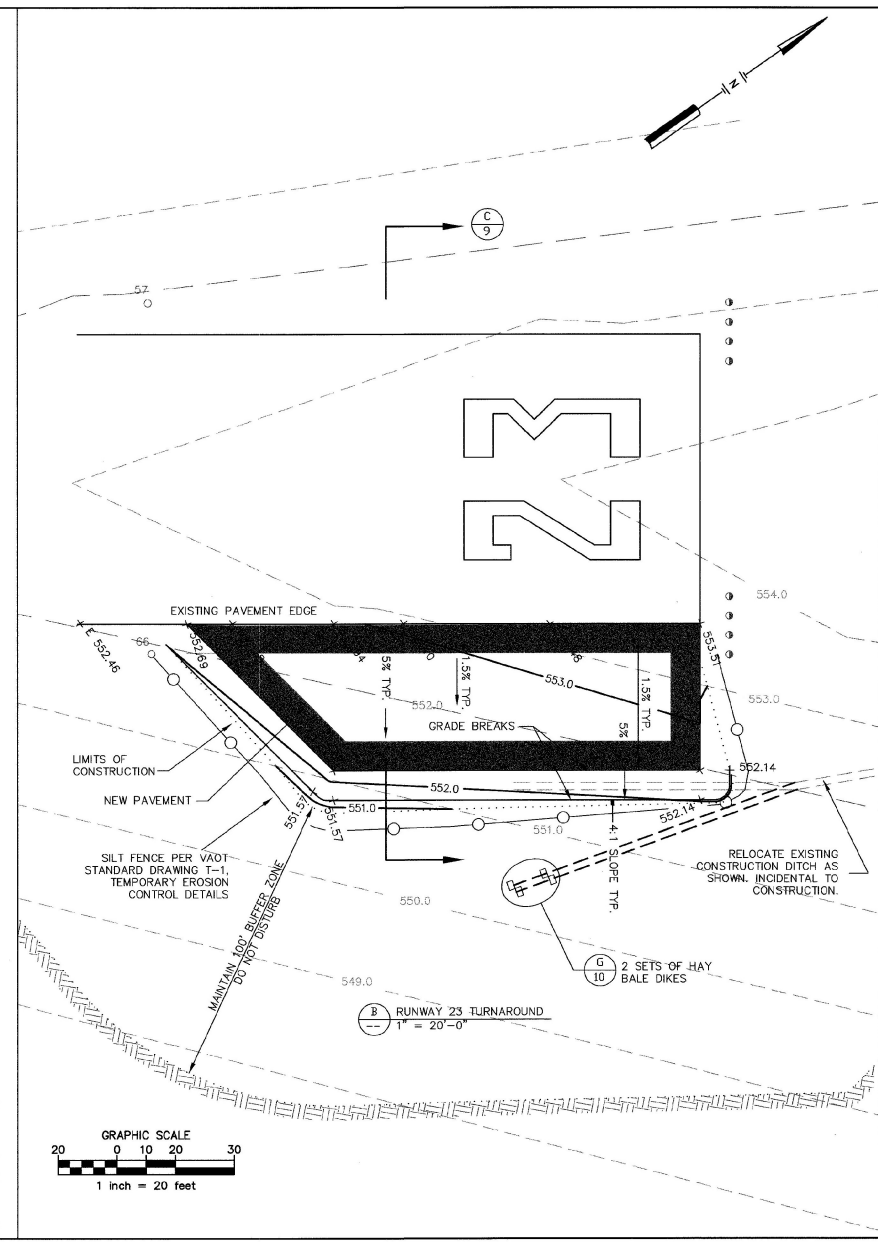
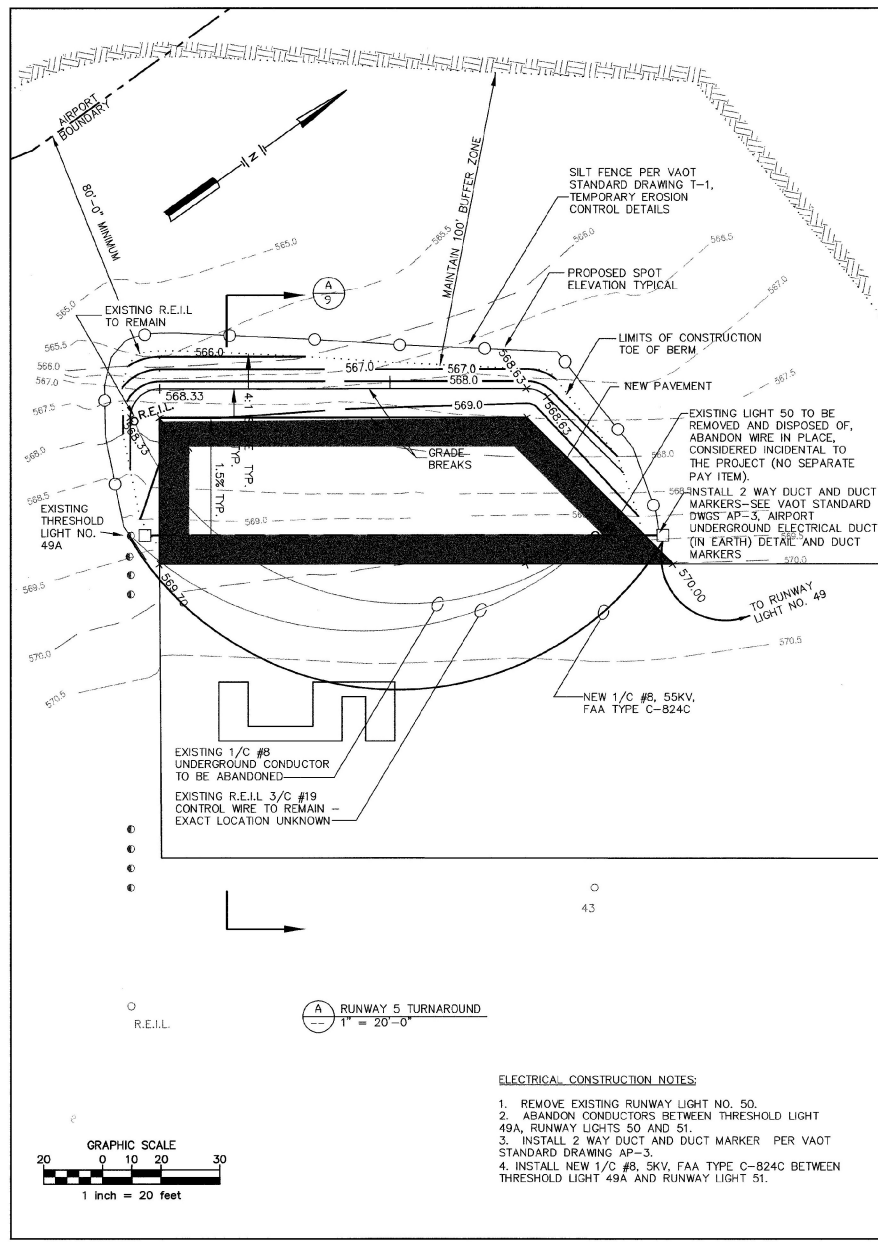
Rev.	Description	By	Date

HARTNESS STATE AIRPORT
 NOT ENLARGED
RUNWAY PAVING PLAN
 STA 42+50 TO STA 56+00
 VERMONT
 SPRINGFIELD



Project No.	P1000421	Date	MAY 2000
Proj. Manager	MGC	Drawn	MGC
Proj. Engineer	MGC	Checked	MGC
Client	VT	Scale	1"=50'
Approved			

N:\Projects\10000\10000 Runway Turnaround Grading Plan.dwg, Tue May 05 03:24:52 2009 Dufresne-Henry, Consulting Engineers
4P 05/05/2009 15:00C Reville-Parkard RPS-2.2 Issues: 021, 4, 3 (v4.1) - Jul 22 1995





Dufresne-Henry
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HARTNESS STATE AIRPORT
VAOT EA 045137

**RUNWAY TURNAROUND
GRADING AND EROSION CONTROL PLAN**

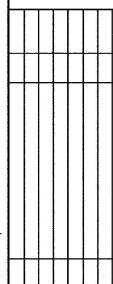
VERMONT
SPRINGFIELD



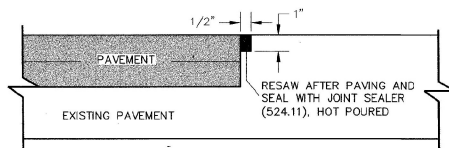
Project No. 10000001
Title Manager: MAC
Proj. Designer: GRC
Drawn By: GRC
Checked By: GRC
Approved: GRC
Date: MAY 2009

8

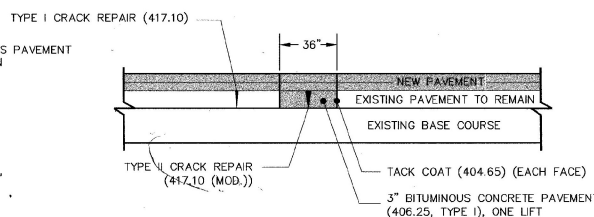
Sheet 8 of 12
D SHEET8



Project No.	8190049.01
Proj. Manager	MLC
Proj. Designer	GPR
Drawn By	GPR
Checked By	MLC
Scale	AS SHOWN
Approved	DCD

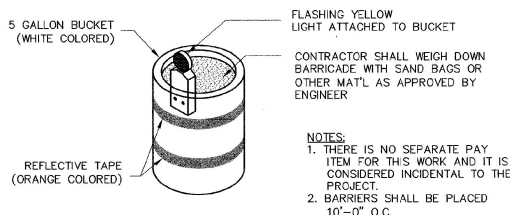


 SAWCUT DETAIL
NOT TO SCALE

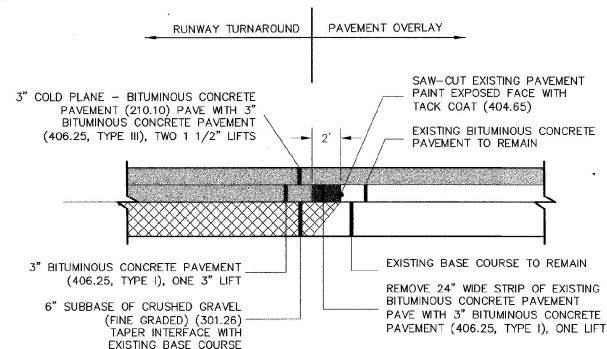


 RUNWAY PAVEMENT CRACK REPAIR
NOT TO SCALE

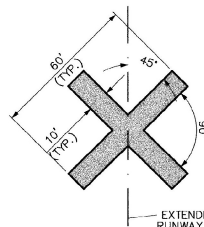
Repair determination of use of Type I or Type II crack repair will be as directed by the Resident Engineer.



 TYPICAL SAFETY BARRICADE (See Std. E-106)
NOT TO SCALE



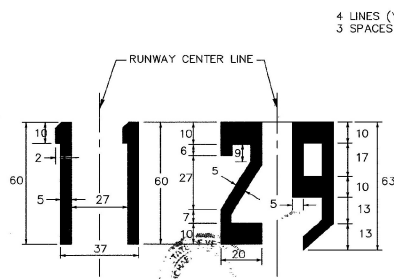
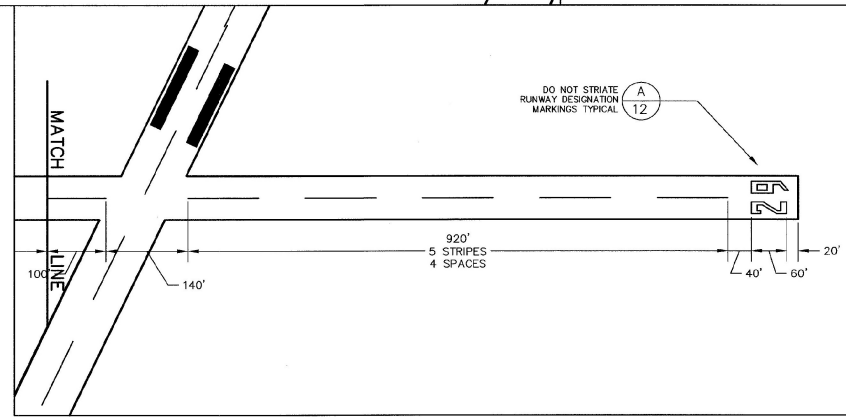
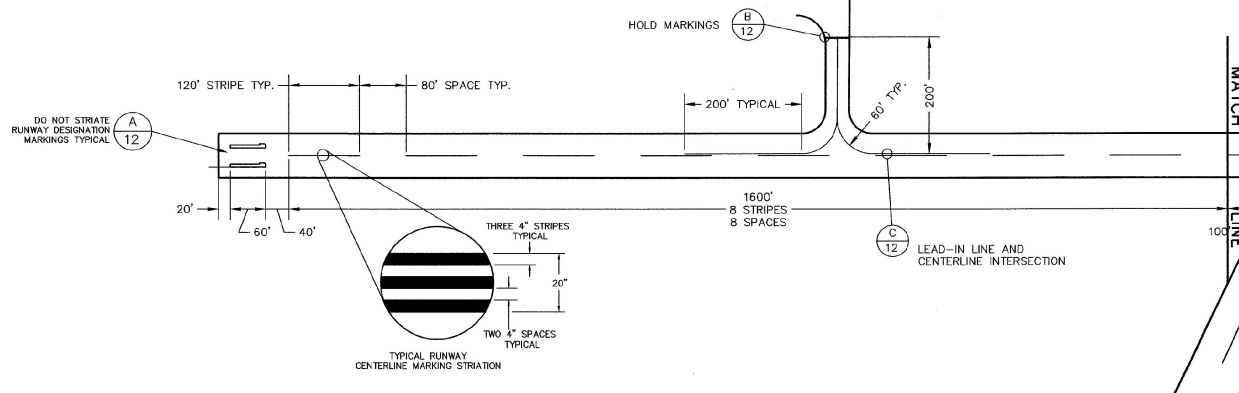

 RUNWAY TURNAROUND PAVEMENT TRANSITION
 NOT TO SCALE



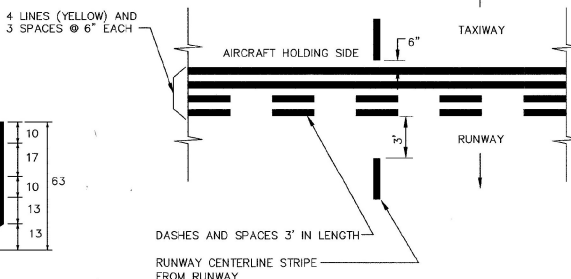
 CLOSED RUNWAY MARKER
NOT TO SCALE

TO BE USED IN LOCATIONS WHERE THE EXISTING GROUND SLOPES
IN TOWARD THE EMBANKMENT.
BALES WILL BE ALLOWED TO ROT IN PLACE.

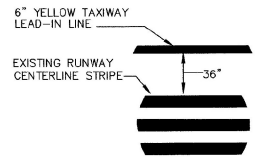
BALED HAY EROSION CHECKS
ITEM 651.26 - NOT TO SCALE



(A) RUNWAY DESIGNATION NUMERALS
 NOT TO SCALE



(B) HOLD POSITION MARKING
 NOT TO SCALE



(C) LEAD-IN LINE AND CENTERLINE INTERSECTION
 NOT TO SCALE

MARKING NOTES

1. All Runway markings shall be white. All Taxiway marking shall be yellow.
2. Glass beads shall be FED SPEC TT-B-1325 Beads (Glass Spheres) Retroreflective.
3. All markings, except the Runway numerals and Taxiway Stripping, shall be striated as shown. Spaces shall be reduced as necessary to ensure placement of stripes at outside edges of all markings. Striations shall run parallel to the Runway centerline.
4. All marking layout and new markings applications shall be performed in the presence of the Resident Engineer.
5. No markings shall be applied prior to approval of layout by the Engineer.
6. All permanent markings shall be applied in two separate 50% applications. The second application shall be applied 30 days after the first application.
7. Pavement markings shall be accomplished in accordance with the applicable phasing plan.



Rev.	Description	By	Date

HARTNESS STATE AIRPORT
 NOT ENLARGED
 RUNWAY 11-29 MARKING PLAN
 VISUAL RUNWAY
 VERMONT
 SPRINGFIELD



Project No.	11-29-2011
Project Manager	MJC
Design Engineer	JP
Checked By	MJC
Drawn By	JP
Scale	1"=100'
Approved	DD
Date	MAY, 2009

12