RECORD PLANS

CONTRACTOR: HEBERT EXCAVATION CORP. - WILLIAMSTOWN, VT

RESIDENT ENGINEER: BOB PETERS

CONSTRUCTION BEGAN: SEPTEMBER 5, 2000

CONSTRUCTION COMPLETE: OCTOBER 13, 2000

RECORD PLANS BY: BOB PETERS

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

BY Robert C. Peters RESIDENT ENGINEER

DATE 03/29/04

NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

PROPOSED IMPROVEMENTS
LOCATION: EDWARD F. KNAPP STATE AIRPORT
BERLIN, VERMONT

DESCRIPTION: TO INCLUDE: CONSTRUCT TAXIWAY FROM FUELING APRON TO RUNWAY 5-23 (35 FEET X 237 L.F.)

E.A. _____

INDEX OF SHEETS

1 TITLE SHEET

2 GENERAL PROJECT LAYOUT

3 TYPICAL SECTIONS NOTES & DETAILS

4 MISCELLANEOUS DETAILS

5 TAXIWAY PROFILE/MARKING DIAGRAM

6 GEOMETRICS AND DRAINAGE PLAN PLAN

7 SEDIMENTATION AND EROSION CONTROL DETAILS

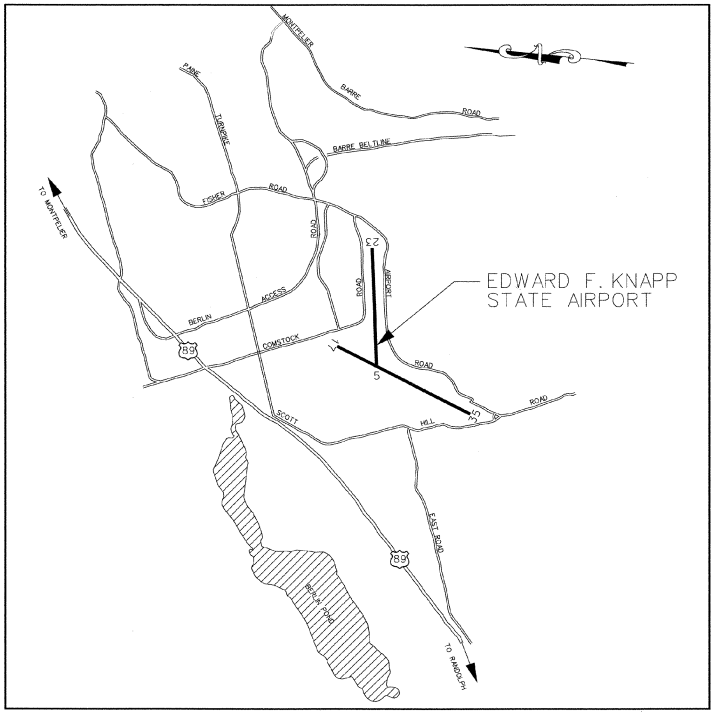
8 TAXIWAY CROSS SECTIONS

VAOT STANDARD DRAWINGS

AP-11 TAXIWAY MARKING DETAILS
E-107 DELINEATION BARRICADES AND DETOURS FOR CONSTRUCTION AREAS.
E-107A BREAKAWAY BARRICADE DETAILS

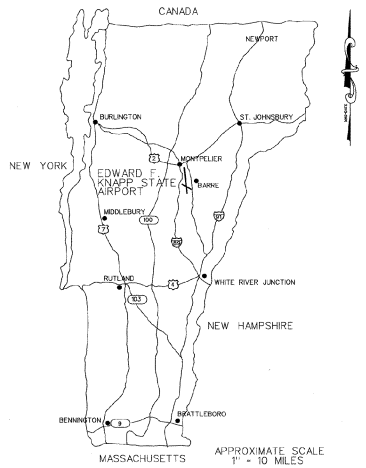
PROJECT QUANTITIES

ITEM No.	DESCRIPTION	ESTIMATE	FINAL
203.15	COMMON EXCAVATION	2100 C.Y.	
203.16	ROCK EXCAVATION	25 C.Y.	
203.32	GRANULAR BORROW	1800 C.Y.	
203.40	FINE GRADE SUBGRADE	1200 S.Y.	
204.20	TRENCH EXCAVATION OF EARTH	220 C.Y.	
204.21	TRENCH EXCAVATION OF ROCK	25 C.Y.	
406.25	BITUMINOUS CONCRETE PAVEMENT	250 TONS	
601.0905	12" DIA CPEP	50 L.F.	
605.10	6" DIA. UNDERDRAIN	450 L.F.	
605.95	UNDERDRAIN FLUSHING BASINS	4 EA.	
608.25	ALL PURPOSE EXCAVATOR RENTAL, TYPE 1	10 HOURS	
609.10	DUST CONTROL WITH WATER	60 MGAL	
631.17	TESTING EQUIPMENT-BITUMINOUS	1 L.S.	
635.10	MOBILIZATION	1 L.S.	
646.215	6" YELLOW TAXIWAY STRIPE -MOD 1	950 L.F.	
649.11	GEOTEXTILE FOR ROADBED SEPARATOR	1200 S.Y.	
649.41	GEOTEXTILE FOR UNDERDRAIN TRENCH	500 S.Y.	
649.51	GEOTEXTILE FOR SILT FENCE	350 S.Y.	
651.15	SEED	30#	
651.18	FERTILIZER	220#	
651.20	AGRICULTURAL LIMESTONE	1 TON	
651.25	HAY MULCH	1 TON	
651.26	HAY BALES FOR EROSION CONTROL	25 EA.	
651.35	TOPSOIL	130 C.Y.	
654.10	EROSION MATTING	2500 S.Y.	
678.21	ELECTRICAL CONDUIT (2" DIA.)	200 L.F.	
854.04	P-209 CRUSHED AGGREGATE BASE	200 C.Y.	
864.04	L-108 CABLE TRENCH	200 L.F.	
864.05	L-108 I/C #8, L-824 C	200 L.F.	
864.06	L-108 BARE COUNTERPOISE CABLE #8	200 L.F.	
864.09	L-110 4 WAY X 4" DIA ELECTRICAL CONDUIT	52 L.F.	



LOCATION MAP

APPROXIMATE SCALE : 1" = 1 MILE



A.A.I.A. OF 1982 SECTION 509(d) ASSURANCES

IN COMPLIANCE WITH THE AIRPORT AND AIRWAYS IMPROVEMENT ACT OF 1982, SECTION 509 (d) AND THE SPONSOR'S CERTIFICATION, DATED _____, THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED IN ACCORDANCE WITH CURRENT FAA STANDARDS IDENTIFIED IN F.A.R. PART 152.

URS GREINER, Inc. DATE 12 May 2000

STANDARD NOTE

These plans are subject to such engineering changes as may required by the Federal Aviation Administration or the Director of Maintenance and Aviation.

Construction is to be carried on in accordance with these plans and the standard specificaion for Construction, dated 1990, as approved by the Vermont Agency of Transportation on December 5, 1989, for use on this project, including all subsequent revisions and such revised specifications and special provisions as are incorporated in these plans.

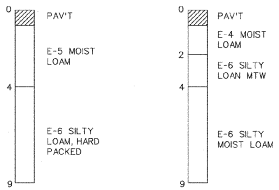
STATE OF VERMONT

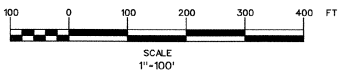
APPROVED David C. Dix

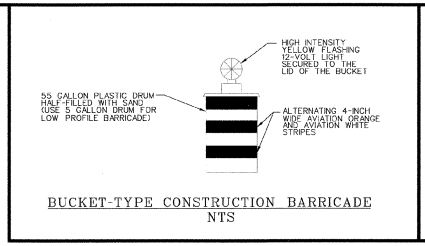
DIRECTOR, MAINTENANCE AND AVIATION

DATE May 16, 2000

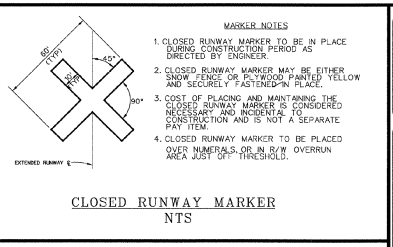
BORING DATA



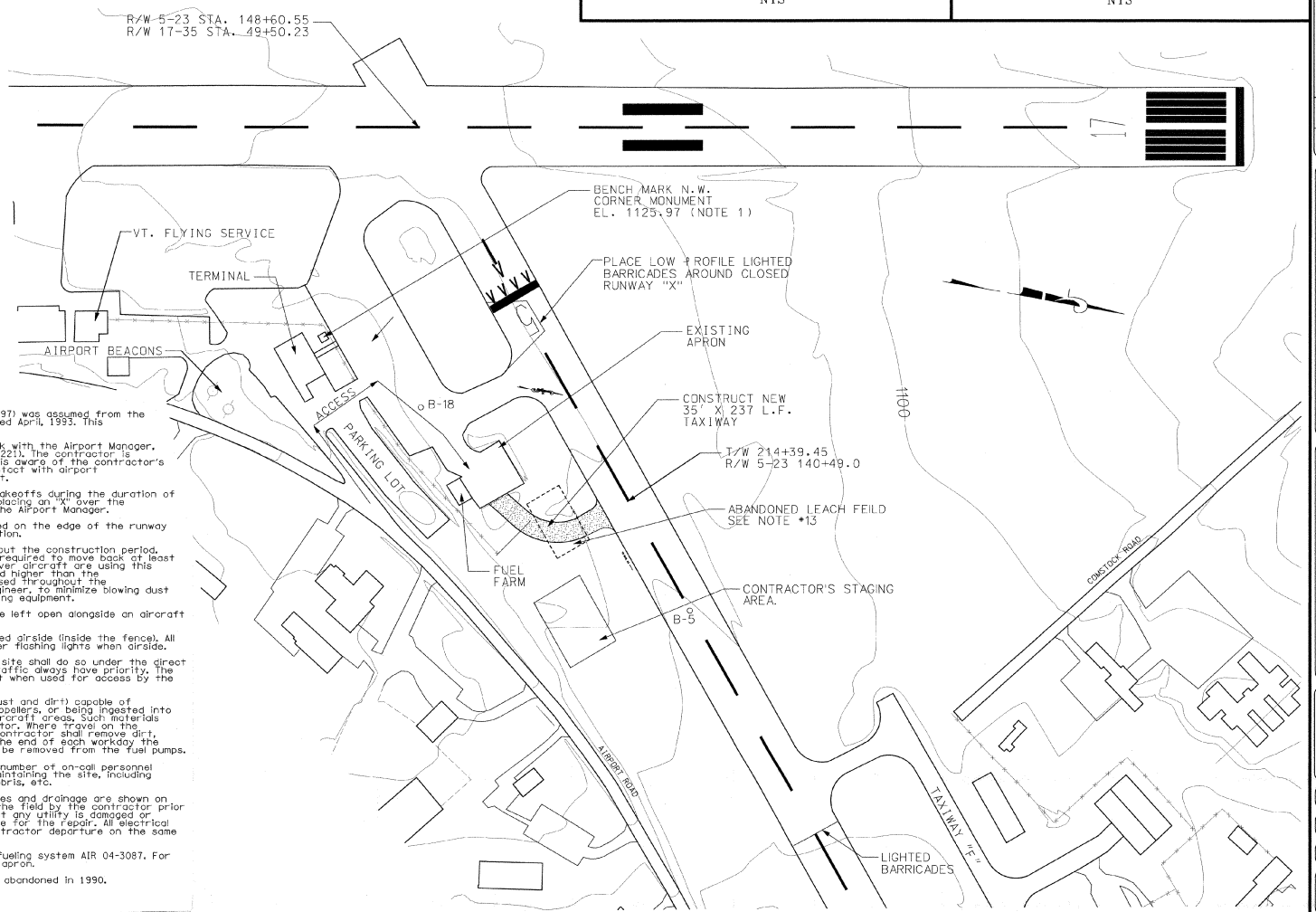




BUCKET-TYPE CONSTRUCTION BARRICADE
NTS



CLOSED RUNWAY MARKER
NTS



NOTES

1. Bench mark elevation on granite slabe (1125.97) was assumed from the fueling apron system plans, AIR 04-3087, dated April, 1993. This elevation is not referenced to MSL.
2. The resident engineer will coordinate all work with the Airport Manager, John Roberti, @ Vt. Flying Service (802-223-2221). The contractor is responsible for ensuring that the resident is aware of the contractor's work schedule. Except in emergencies all contact with airport personnel shall be made through the resident.
3. The runway will be closed for landings and takeoffs during the duration of the work. Runway closures are denoted by placing an "X" over the numerals, 5 & 23 a NOTAM will be issued by the Airport Manager.
4. Lighted construction barricades will be placed on the edge of the runway and apron to mark the edge of the excavation.
5. The fueling apron will remain active throughout the construction period. The contractor's men and equipment will be required to move back at least 50 feet from the edge of the apron whenever aircraft are using this apron. No mounds of materials shall be placed higher than the the apron elevation. Dust control shall be used throughout the construction period, as directed by the engineer, to minimize blowing dust and dirt onto the fuel apron and fuel pumping equipment.
6. No excavation greater than 3 inches shall be left open alongside an aircraft movement area.
7. No contractor employee vehicles will be allowed airside (inside the fence). All contractor vehicles must have and use amber flashing lights when airside.
8. All contractor vehicles entering/exiting the site shall do so under the direct control of a competent flagger. Aircraft traffic always have priority. The Gate shall be kept closed at all times except when used for access by the contractor's vehicles.
9. Debris, waste and loose material (including dust and dirt) capable of causing damage to aircraft landing gear, propellers, or being ingested into jet engines shall not be allowed on active aircraft areas. Such materials shall be removed immediately by the contractor. Where gravel on the apron, taxiway or runway is required, the contractor shall remove dirt, mud, etc. immediately. At a minimum and at the end of each workday the apron shall be swept and dust build up shall be removed from the fuel pumps.
10. The contractor shall provide the telephone number of on-call personnel who can be reached 24 hours a day, for maintaining the site, including moving, replacing barricades, X's, clearing debris, etc.
11. The location of all known underground utilities and drainage are shown on the plans. All locations must be verified in the field by the contractor prior to beginning construction. In the event that any utility is damaged or destroyed, the contractor will be responsible for the repair. All electrical repairs must be completed prior to the contractor departure on the same day.
12. Refer to as-built plans for Jet A & AVGAS fueling system AIR 04-3087. For additional information regarding the fueling apron.
13. Existing leachfield approximate location, was abandoned in 1990.

STATE OF VERMONT · ENGINEER · W. B. CARNEY · 10 MAR 2000 · REGISTERED PROFESSIONAL

REV.	DATE	DESCRIPTION

Job No. P2000007.18.01 File No.

EDWARD F. KNAPP STATE AIRPORT
BERLIN, VERMONT

TAXIWAY TO FUEL APRON
GENERAL PROJECT LAYOUT

URS Greiner
1 NORTHWAY LN.
LATHAM, NEW YORK

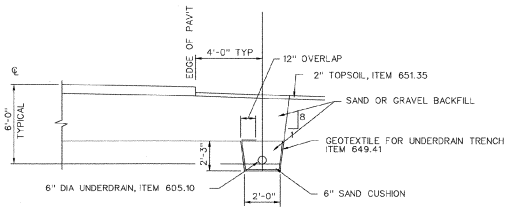
Designed by: G.W.D.
Drawn by: AL BEY
Checked by: B.W.C.
Approved by: G.W.D.

Scale: 1"=100'

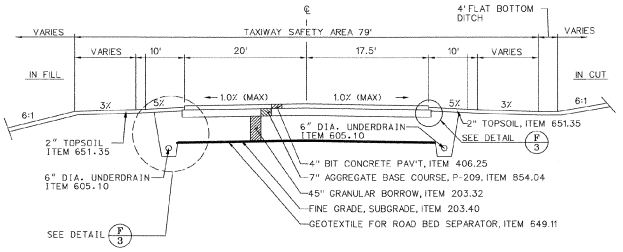
Date: 1/17/00

Sheet 20f 8

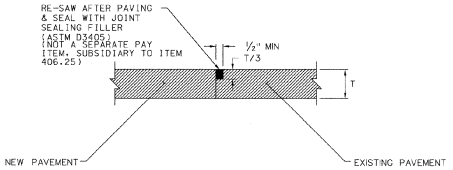
Sheet No
2



A/3 **6" DIA UNDERDRAIN**
SCALE - NONE

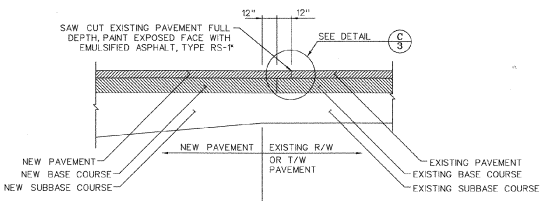


B/3 **PROPOSED TAXIWAY TYPICAL SECTION**
SCALE - NONE

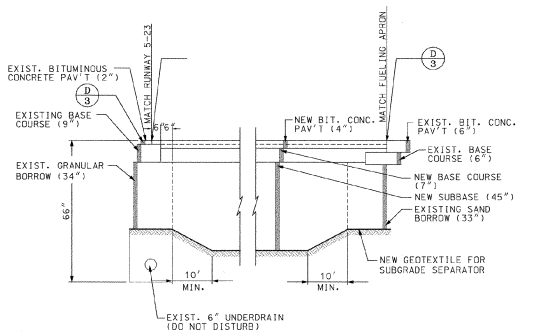


C/3 **SAWCUT DETAIL**
SCALE - NONE

NOTE:
* THE COST OF THE PAVEMENT SAW CUT AND TACKCOAT ARE NOT A SEPARATE PAY ITEM. IT IS CONSIDERED AS SUBIDIARY TO THE OTHER ITEMS OF WORK.



D/3 **BUTT JOINT DETAIL**
SCALE - NONE



E/3 **TAXIWAY SUBGRADE TRANSITION AND BUTT JOINT DETAIL**
SCALE - NTS

1. SUBGRADE UNDER AREAS TO BE PAVED TO BE COMPACTED TO 100% DENSITY AS PER AASHTO T-180.

2. BITUMINOUS TACK COAT (EMULSIFIED ASPHALT, RS-1) TO BE APPLIED BETWEEN LIFTS OF BITUMINOUS CONCRETE PAVEMENT AT A RATE OF 0.01 TO 0.03 GAL / SY WHEN DIRECTED BY THE ENGINEER. (NOT A SEPARATE PAY ITEM.)

4. SEED, ITEM 651.15 TO BE APPLIED AS DIRECTED BY

NAME
CROWN VETCH
CREEPING RED FESCUE
TIMOTHY
PERR. RYE GRASS (VAR. PENNFINE)
ALFALFA (VAR. SARANAC)
BIRDSFOOT TREFOIL (VAR. EMPIRE)
HIGHLAND BENT GRASS

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 651.18, FORMULA 10-20-10 TO BE USED WITH SEED, ITEM 651.15, A

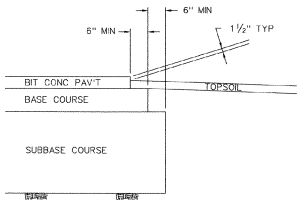
AGRICULTURAL LIMESTONE, ITEM 651.20, TO BE APPLIED AT RATE OF 2 TONS / ACRE OR AS DIRECTED BY ENGINEER.

HAY MULCH, ITEM 651.25, TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS / ACRE.

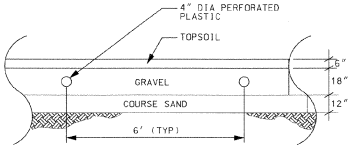
TOPSOIL, ITEM 651.35, TO BE USED WITH SEED, ITEM 651.15, AS DIRECTED BY THE ENGINEER.

ALLOWABLE THICKNESS TOLERANCES:

SUBGRADE	± 1"
CONTROLLED MATERIAL	± 1"
PAVEMENT	± 3/8"
BASE COURSE	± 1/2"



F/3 **PAVEMENT SECTION EDGE (TYP.)**
SCALE - NONE



G/3 **ABANDONED LEACHFIELD**
SCALE - NTS

EDWARD F. KNAPP STATE AIRPORT
BERLIN, VERMONT

TYPICAL SECTIONS & DETAILS

URS Greiner
1 NORTHWAY LN.
LATHAM, NEW YORK

REV.	DATE	DESCRIPTION

Job No. 42005017.01

File No.

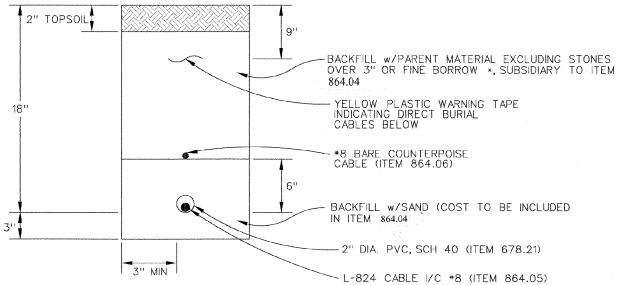
Designed by: G.W.D.
Drawn by: AL BEY
Checked by: B.W.C.
Approved by: G.W.D.

Scale: AS NOTED

Date: 1/17/00

Sheet 3 Of 8

Sheet No 3



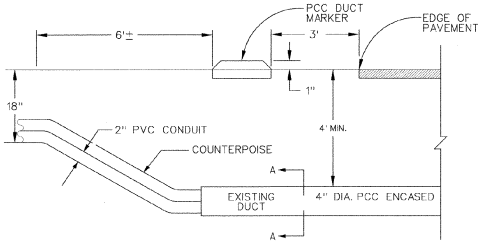
NOTE:
1. ADDITIONAL CONDUITS MAY BE PLACED IN SAME TRENCH @ 3" SPACING. MAX. NUMBER OF CABLES / CONDUIT PER N.E.C.
2. CABLE TRENCH TO BE PAID FOR UNDER ITEM 864.04

*FINE BORROW MATERIAL REASONABLY FREE FROM LOAM, CLAY OR ORGANIC MATERIAL, MAXIMUM SIZE - 1/2" (AS DETERMINED BY THE RESIDENT ENGINEER.)

CONDUIT & TRENCH DETAIL (TYP.)

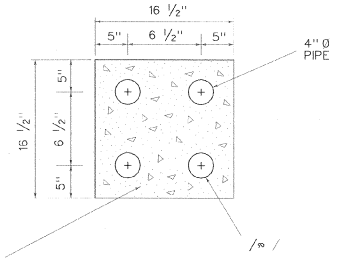
NOT TO SCALE

NOTE:
1. PLACE 2" PVC CONDUIT & COUNTERPOISE IN 4" PCC ENCASED DUCT. FULL LENGTH.
2. HAND EXCAVATE AROUND EXISTING CABLES. MAY BE DIRECT BURIAL.
3. PLACE PCC DUCT MARKERS, AS SHOWN.



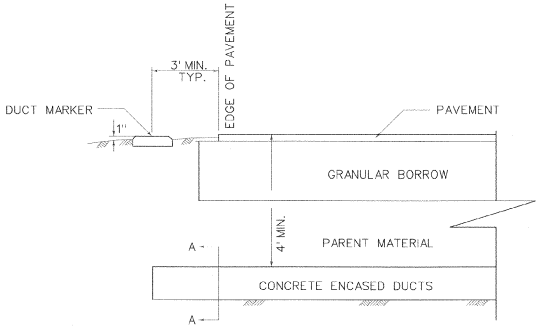
CONDUIT & DUCT DETAIL (TYP.)

NOT TO SCALE

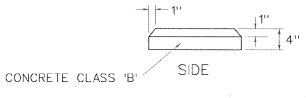


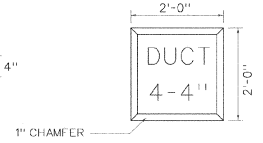
SECTION A-A

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



AIRPORT UNDERGROUND ELECTRICAL DUCT

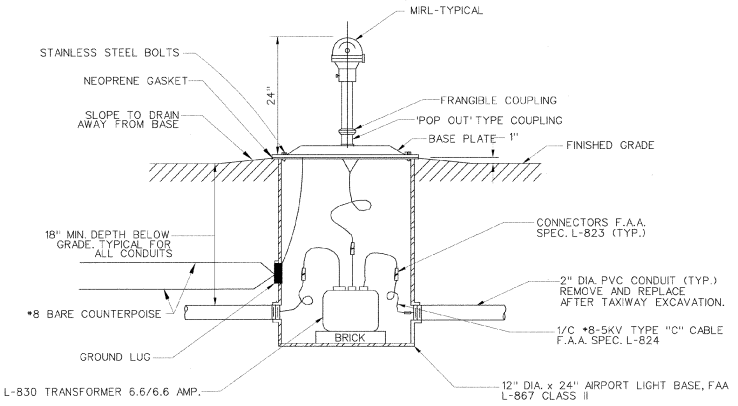




DUCT MARKERS

NOT TO SCALE

NOTES
1. LETTERING ON DUCT MARKERS TO BE EMBOSSED, 'V' CUT, 1/2 " DEEP.
2. HAND LETTERING NOT ALLOWED



TYPICAL ELEVATED EDGE LIGHT

NOT TO SCALE

STATE OF VERMONT REGISTERED PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION

File No.

Job No. F200001718.01

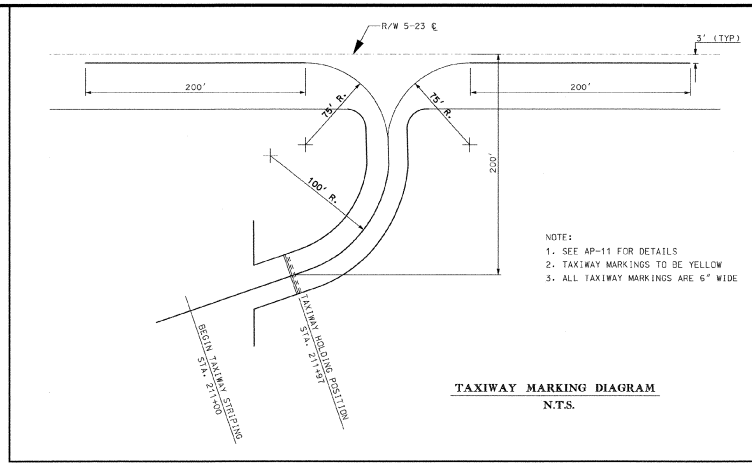
EDWARD F. KNAPP STATE AIRPORT
BERLIN, VERMONT

MISCELLANEOUS DETAILS

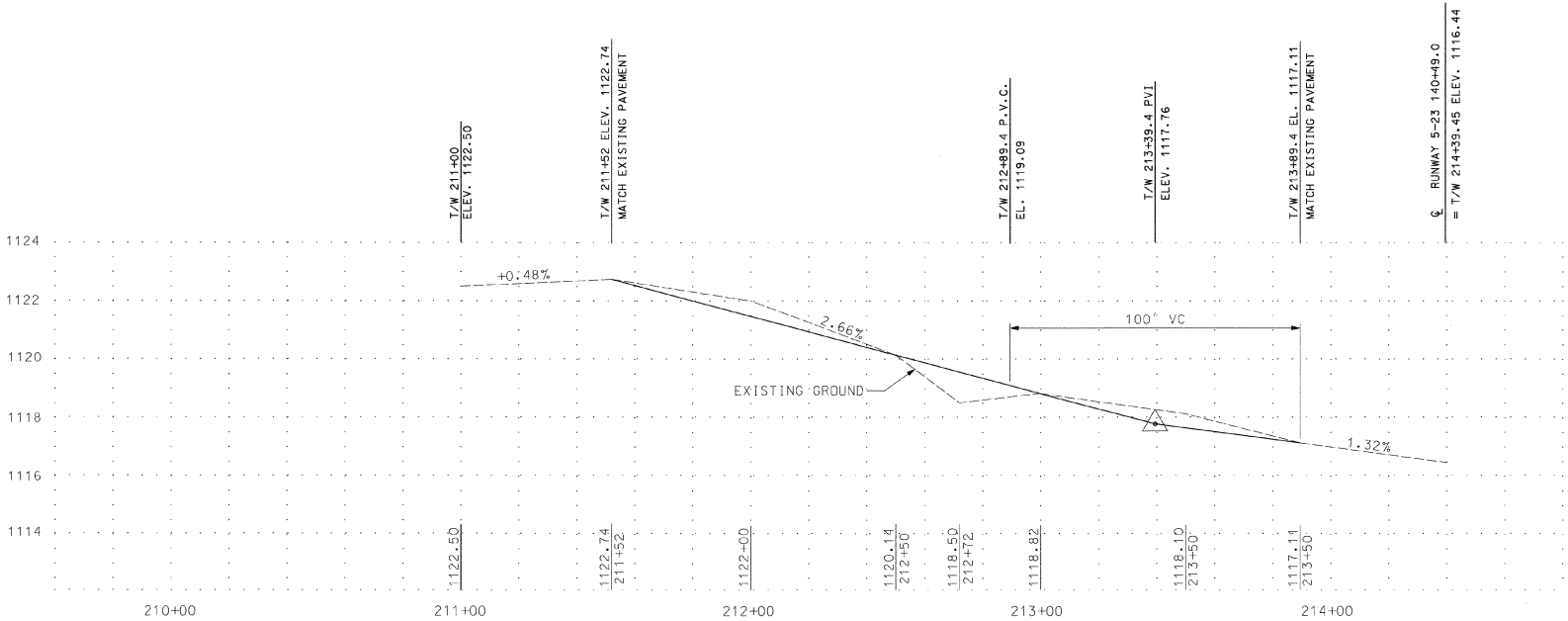
URS Greiner
1 NORTHWAY LN.
LATHAM, NEW YORK

Designed by: G.W.D.
Drawn by: AL BEY
Checked by:
Approved by:

Scale: AS NOTED
Date: 1/17/00
Sheet 4 Of 8
Sheet No 4



TAXIWAY MARKING DIAGRAM
N.T.S.



TAXIWAY PROFILE

SCALE: 1" = 2' VERT.
1" = 20' HORIZ.

EDWARD F. KNAPP STATE AIRPORT
BERLIN, VERMONT

TAXIWAY TO FUELING APRON
PROFILE AND MARKING DIAGRAM

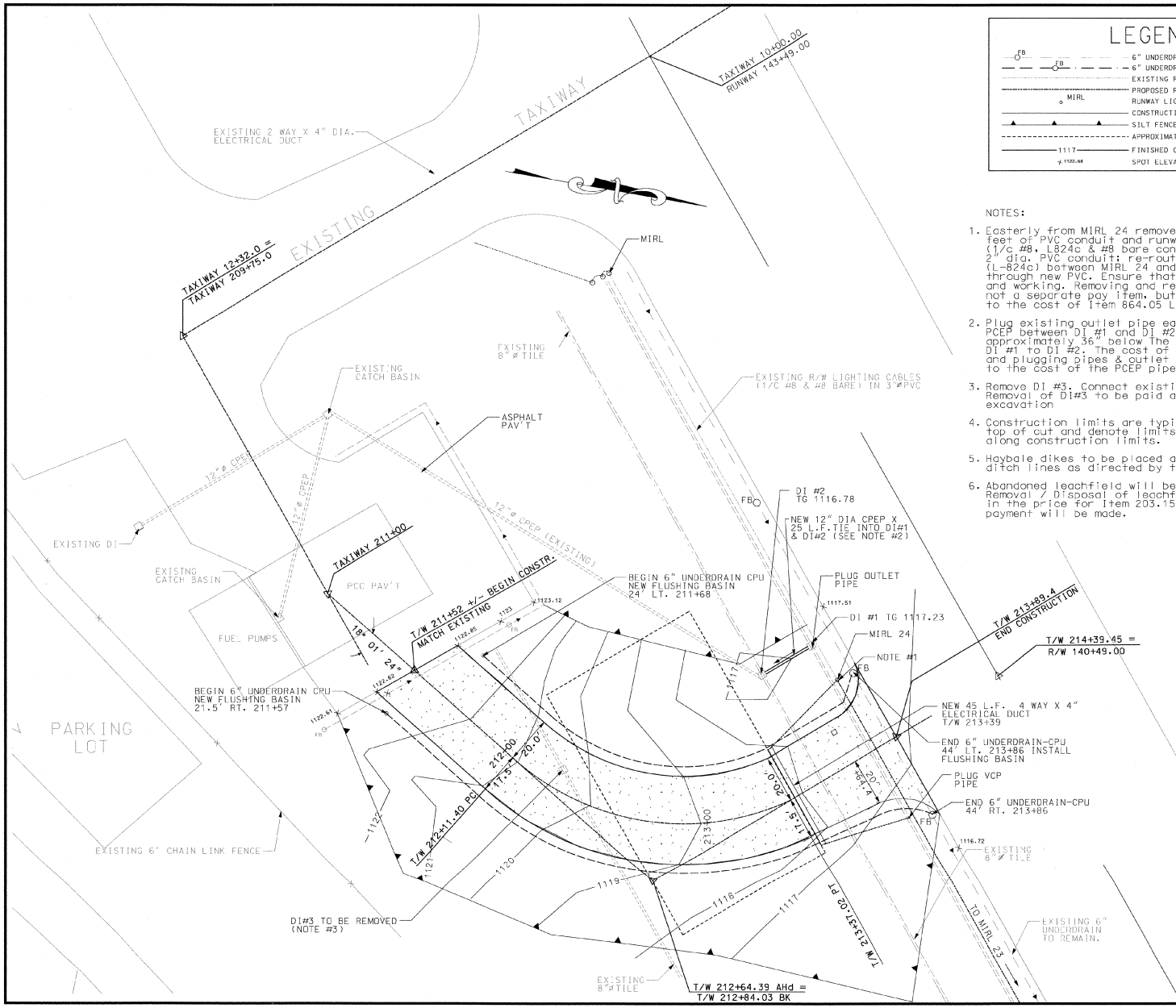
REV.	DATE	DESCRIPTION

Job No. F200001718.01
File No.

URS Greiner
1 NORTHWAY LN.
LATHAM, NEW YORK

Designed by: G.W.D.
Drawn by: AL BEY
Checked by: B.W.C.
Approved by: G.W.D.

Scale: AS NOTED
Date: 1/17/00
Sheet 5Of 8
Sheet No 5



LEGEND

- 6" UNDERDRAIN AND FLUSHING BASIN-EXISTING.
- 6" UNDERDRAIN AND FLUSHING BASIN-NEW.
- EXISTING RUNWAY WIRING 1/C #8 L-834 & #8 COUNTERPOISE
- PROPOSED R/W WIRING
- MIRL — RUNWAY LIGHTING
- CONSTRUCTION LIMITS
- SILT FENCE
- APPROXIMATE LIMITS OF ABANDONED LEACHFEILD
- 1117 — FINISHED CONTOURS
- +1122.88 — SPOT ELEVATION

NOTES:

1. Easterly from MIRL 24 remove approximately 100 linear feet of PVC conduit and runway lighting cables (1/c #8, L824c & #8 bare conuterpoise). Place new 2" dia. PVC conduit re-route new 1/c #8 cables (L-824c) between MIRL 24 and MIRL 23 through new PVC. Ensure that circuit is complete and working. Removing and reconnecting cables is not a separate pay item, but will be considered subsidiary to the cost of Item 864.05 L-108.
2. Plug existing outlet pipe east @ DI #1. Connect 12" dia. PCEP between DI #1 and DI #2 such that invert is approximately 36" below the top of grate and flows from DI #1 to DI #2. The cost of cutting into the existing DI's and plugging pipes & outlet will be considered subsidiary to the cost of the PCEP pipe.
3. Remove DI #3. Connect existing VCP with new PCEP. Removal of DI#3 to be paid as 3 C.Y. of Item 203.16-Rock excavation
4. Construction limits are typically 10' beyond toe of slope/ top of cut and denote limits of seeding, etc. Place silt fence along construction limits.
5. Haybale dikes to be placed around DI#1 & DI#2, and in ditch lines as directed by the engineer.
6. Abandoned leachfield will be removed within construction limits Removal / Disposal of leachfield material will be included in the price for Item 203.15 common excavation. No additional payment will be made.

CURVE DATA

R.	100.00
T.	72.63
L.	125.62
E.	23.59
CHORD	117.52'
△	71° 58' 35.7"
D.	57° 17' 44.8"

GRAPHIC SCALE
20' 0 20' 40'
1"=20'

STATE OF VERMONT — DEPARTMENT OF AERONAUTICS — PROJECT ENGINEER

REV.	DATE	DESCRIPTION

Job No. F200000798.01 — File No.

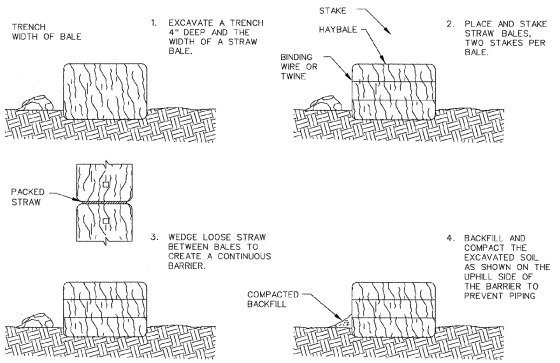
EDWARD F. KNAPP STATE AIRPORT
BERLIN, VERMONT

TAXIWAY AND FEULING APRON
GEOMETRIC DRAINAGE PLAN

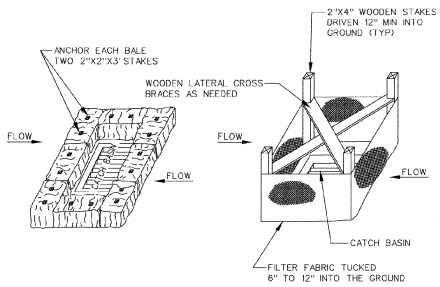
URS Greiner
1 NORTHWAY LN.
LATHAM, NEW YORK

Designed by: G.W.D.
Drawn by: AL BEY
Checked by: B.W.C.
Approved by: G.W.D.

Scale: 1" = 20'
Date: 1/17/00
Sheet 6f 8
Sheet No 6



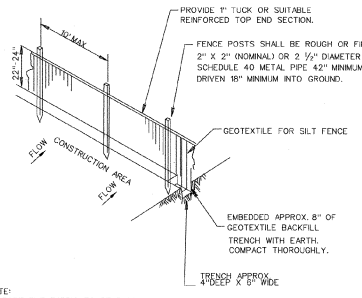
SEDIMENTATION BARRIER - HAYBALE
ITEM 651.26



HAY BALE INSTALLATION
ITEM 651.26

SILT FENCE INSTALLATION
ITEM 649.51

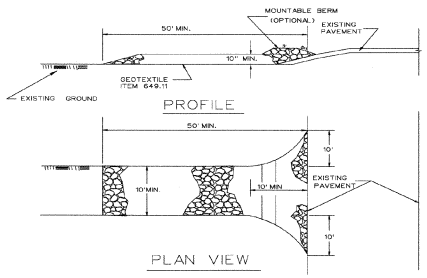
SEDIMENTATION CONTROL INLET PROTECTION



NOTE:
1. GEOTEXTILE FABRIC TO BE FASTENED SECURELY TO FENCE POST BY USE OF WIRE TIES. 3 FASTENERS PER POST.
2. ENDS OF INDIVIDUAL ROLLS OF GEOTEXTILE SHALL BE SECURELY FASTENED TO A COMMON POST OR OVERLAPPED 3' (MIN.).
3. TO BE PLACED AT LOCATIONS SHOWN ON PLANS OR AS ORDERED BY THE ENGINEER.

PLAN VIEW SYMBOL

SLOPE SILT FENCE (S.S.F.)
NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. STONE - SUBBASE OF CRUSHED AGGREGATE, ITEM 854.04
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET.
3. THICKNESS - NOT LESS THAN TEN (10) INCHES.
4. WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED UNDER THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AFTER HEAVY USE AND/OR RAIN.
9. THIS ENTRANCE WILL BE CONSTRUCTED AT LOCATIONS SHOWN ON THE PLANS AND/OR WHERE ORDERED BY THE ENGINEER.
10. THE LOCATION AND NUMBER OF STABILIZED CONSTRUCTION ENTRANCES WILL BE APPROVED BY THE ENGINEER.

STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES PER THE APPROVED PLAN AND CONSTRUCTION SEQUENCE AND SHALL HAVE THEM INSPECTED BY THE ENGINEER PRIOR TO BEGINNING ANY OTHER LAND DISTURBANCES. MINOR SEDIMENT CONTROL DEVICE LOCATION ADJUSTMENTS MAY BE MADE IN THE FIELD WITH THE APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL ENSURE THAT ALL RUNOFF FROM DISTURBED AREAS IS DIRECTED TO THE SEDIMENT CONTROL DEVICES, AND SHALL NOT REMOVE ANY EROSION OR SEDIMENT CONTROL MEASURE WITHOUT PRIOR PERMISSION FROM THE ENGINEER. THE CONTRACTOR MUST OBTAIN PRIOR APPROVAL FOR CHANGES TO THE SEDIMENT CONTROL PLAN AND/OR SEQUENCE OF CONSTRUCTION.
2. THE CONTRACTOR SHALL MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL THEY ARE REMOVED.
3. THE CONTRACTOR SHALL APPLY SEED AND MULCH, OR OTHER APPROVED STABILIZATION MEASURES TO ALL DISTURBED AREAS AND STOCKPILES WITHIN FOURTEEN (14) CALENDAR DAYS AFTER STRIPPING AND GRADING ACTIVITIES HAVE CEASED IN THE AREA. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION. PERMANENT SOIL STABILIZATION SHALL BE PROVIDED WITHIN SEVEN (7) DAYS OF ESTABLISHMENT OF FINAL GRADE.
4. THIS EROSION CONTROL PLAN SHALL BE IMPLEMENTED ON ALL DISTURED AREAS WITHIN THE CONSTRUCTION SITE. ALL MEASURES INVOLVING EROSION CONTROL PRACTICES SHALL BE INSTALLED IN CONFORMANCE WITH "THE VERMONT HANDBOOK FOR SOIL EROSION AND SEDIMENT CONTROL ON CONSTRUCTION SITES" AS PUBLISHED BY THE VT. GEOLOGICAL SURVEY.
5. DURING THE PERIOD OF CONSTRUCTION ACTIVITY, ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR. AT THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE THE TRANSFER OF MAINTENANCE RESPONSIBILITIES, IF REQUIRED, TO THE VT AGENCY OF TRANSPORTATION.
6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE REMOVED AND DISPOSED OF WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY PRACTICES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE STABILIZED OR REMOVED TO PREVENT FURTHER EROSION.
7. EROSION CONTROL DEVICES REMOVED DURING GRADING OPERATIONS SHALL BE PUT BACK IN PLACE AT THE END OF THE DAY OR DURING INCLEMENT WEATHER AS DIRECTED BY THE ENGINEER.
8. STREAMS INCLUDING BED AND BANKS SHALL BE RESTABILIZED IMMEDIATELY AFTER CHANNEL WORK IS COMPLETED, INTERRUPTED, OR STOPPED.
9. NO SOIL, ROCK, DEBRIS, OR ANY OTHER MATERIAL SHALL BE DUMPED OR PLACED INTO A WATER COURSE OR INTO SUCH PROXIMITY THAT IT MAY READILY SLOUGH, SLIP, OR ERODE INTO A WATER COURSE UNLESS SUCH DUMPING OR PLACING IS AUTHORIZED BY THE ENGINEER AND, WHEN APPLICABLE, THE U.S. ARMY CORPS OF ENGINEERS, FOR SUCH PURPOSES AS, BUT NOT LIMITED TO, CONSTRUCTION OF BRIDGES, CULVERTS, AND EROSION CONTROL STRUCTURES.
10. PERMANENT SEEDING SHALL BE DONE BETWEEN APRIL 30 AND SEPTEMBER 15. IF SEEDING IS DONE AT OTHER TIMES, IT SHALL BE CLASSIFIED AS "TEMPORARY SEEDING." PERMANENT SEED SHALL CONFORM TO THE SEEDING MIXTURE STATED ON SHEET 7. TEMPORARY AND PERMANENT SEEDING SHALL CONSIST OF FERTILIZING, WATERING AND SEEDING PLACED AT RATES IN ACCORDANCE WITH THE SPECIFICATIONS. PERMANENT SEEDING AND MULCHING SHALL BE PAID FOR UNDER 651.15 AND 651.25 RESPECTIVELY. TEMPORARY SEED, MULCH, AND FERTILIZER FOR EROSION AND SEDIMENT CONTROL SHALL BE PLACED IN ACCORDANCE WITH THE SPECIFICATIONS. NO PAYMENT WILL BE MADE FOR TEMPORARY SEEDING OR MULCHING.
11. SURFACE DRAINAGE FLOWS OVER UNSTABILIZED CUT AND FILL SLOPES SHALL BE CONTROLLED BY EITHER PREVENTING DRAINAGE FLOWS TRAVERSING THE SLOPES OR BY INSTALLING PROTECTIVE DEVICES TO LOWER THE WATER DOWNSLOPE WITHOUT CAUSING EROSION. DIKES SHALL BE INSTALLED AND MAINTAINED AT THE TOP OF CUT OR FILL SLOPES UNTIL THE SLOPE AND DRAINAGE AREA TO IT ARE FULLY STABILIZED, AT WHICH TIME THEY MUST BE REMOVED AND FINAL GRADING DONE TO PROMOTE SHEET FLOW DRAINAGE. PROTECTIVE METHODS MUST BE PROVIDED AT POINTS OF CONCENTRATED FLOW WHERE EROSION IS LIKELY TO OCCUR.
12. ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS IN UNPAVED AREAS SHALL BE STABILIZED AND PROTECTED TO PREVENT TRACKING OF MUD ONTO PUBLIC OR PRIVATE ROADWAYS. (SUBSIDIARY TO ITEM 203.15)
13. IF ROADWAYS ACCUMULATE DEBRIS, THE CONTRACTOR SHALL USE A POWER BROOM TO REMOVE THE SEDIMENT TO THE SATISFACTION OF THE ENGINEER. (SUBSIDIARY TO ITEM 203.15)
14. TOPSOIL (TO BE STOCKPILED ON SITE) WILL BE PLACED ON WELL DRAINED LAND AWAY FROM STREAMS IN ACCORDANCE WITH APPROVED EROSION AND SEDIMENT CONTROL MEASURES. IT SHALL BE PLACED IN NEAT PILES. THE CONTRACTOR WILL PROVIDE AN ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE. THE CONTRACTOR, WITH THE APPROVAL OF THE ENGINEER, MAY CONSTRUCT AN EARTH DIKE IN LIEU OF SILT FENCE.

SITE DATA

PROJECT DESCRIPTION:
AIRPORT DEVELOPMENT TO INCLUDE PAVING, CLEARING AND GRUBBING, EARTHWORK, STORM DRAINAGE, AND UTILITIES.

TOTAL SITE AREA:
AREA WITHIN LIMITS OF WORK APPROX. ½ ACRES.

EXISTING SOIL TYPES:
-BROWN SILTY LOAM
-APPROXIMATELY 3" OF TOPSOIL
-INFORMATION OBTAINED FROM BORINGS DATED MAY, 1974

REV. | DATE | DESCRIPTION

Job No. F20000178.01 | File No. SED1.DGN

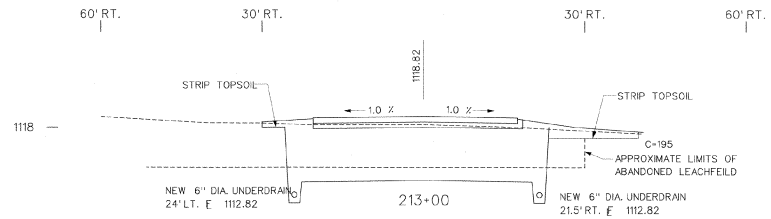
EDWARD F. KNAPP STATE AIRPORT
BERLIN, VERMONT

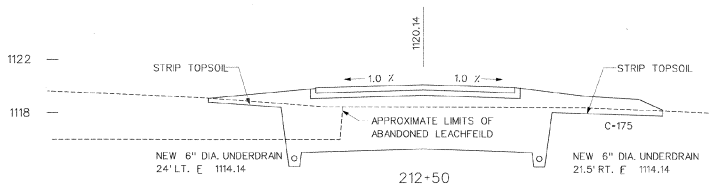
SEDIMENTATION / EROSION CONTROL DETAILS

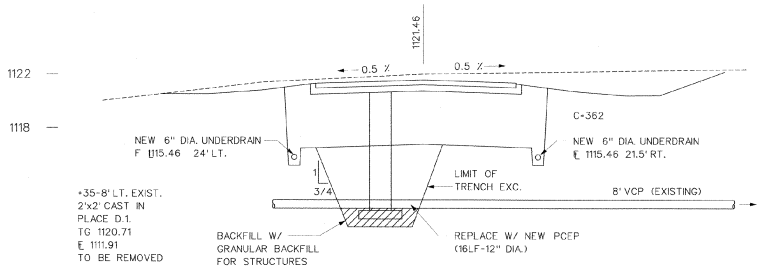
URS Greiner
1 NORTHWAY LN.
LATHAM, NEW YORK

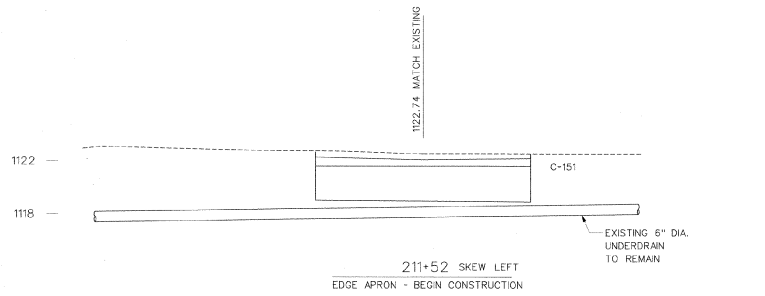
Designed by: G.W.D.
Drawn by: AL-BEY
Checked by: B.W.C.
Approved by: G.W.D.

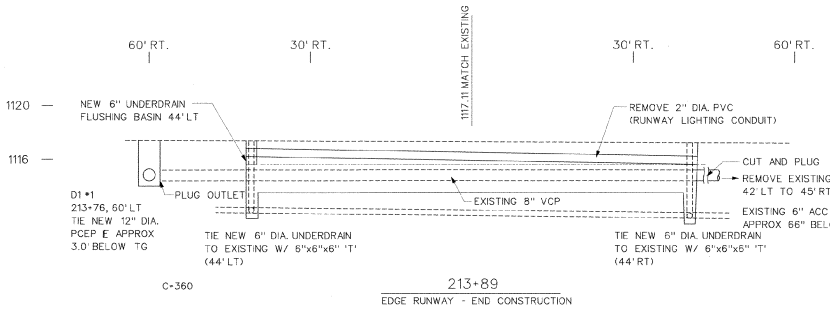
Scale: NTS
Date: 1/17/00
Sheet 7 Of 8
Sheet No 7

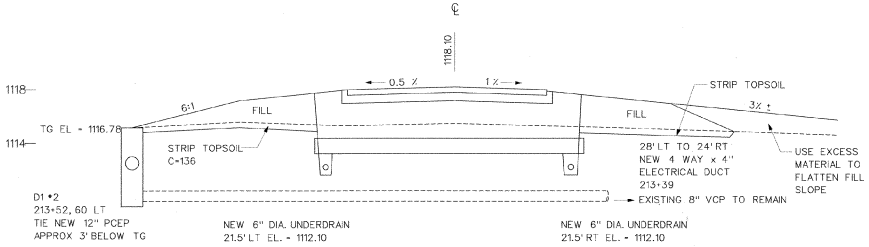












EDWARD F. KNAPP STATE AIRPORT
BERLIN, VERMONT

TAXIWAY CROSS SECTIONS
STATION 211+52 TO 213+89

REV.	DATE	DESCRIPTION

Job No. F20000718.01
File No.

URS Greiner
1 NORTHWAY LN.
LATHAM, NEW YORK

Designed by:	GWD
Drawn by:	MAM
Checked by:	BLC
Approved by:	GWD
Scale:	1" = 10'
Date:	3/14/00
Sheet	8 Of 8
Sheet No	8