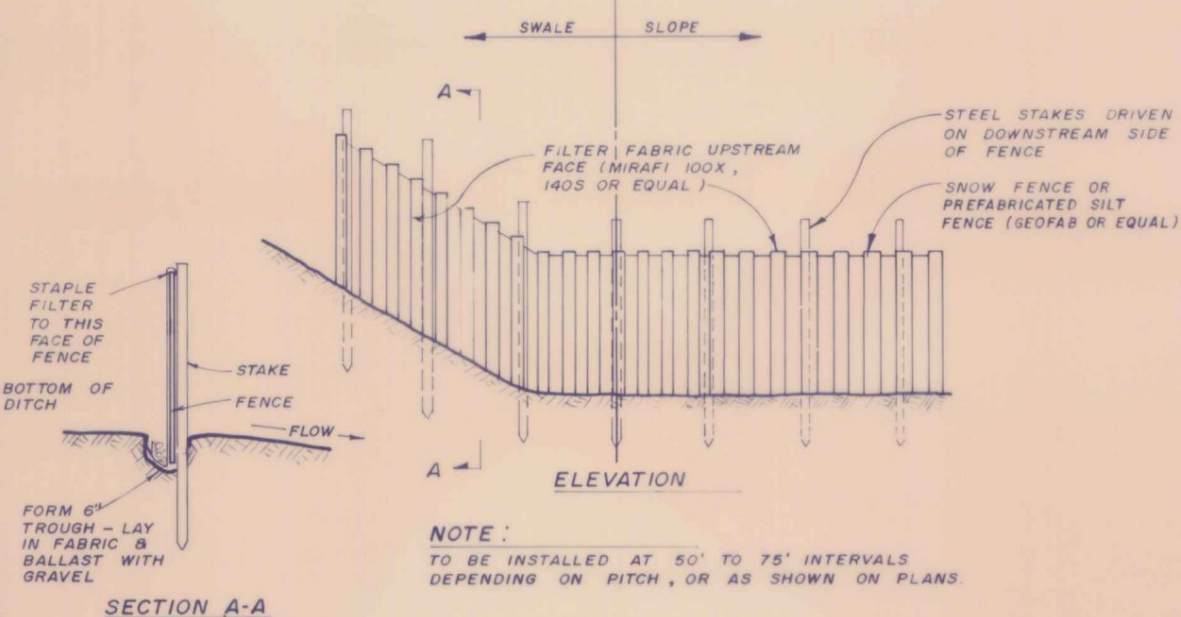
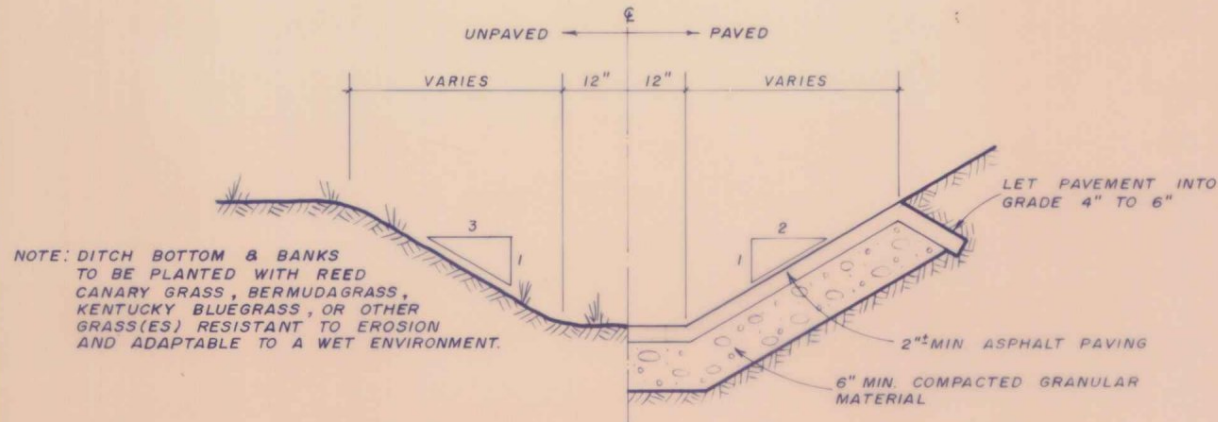


TYPICAL TEMPORARY HAYBALE EROSION CONTROL BARRIER (TYPE A)
NTS

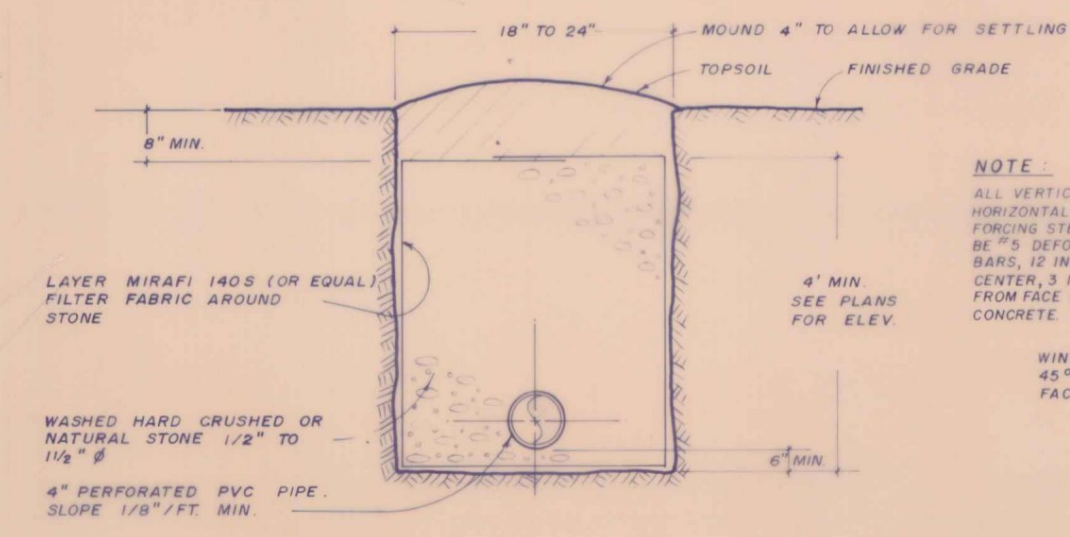


TYPICAL TEMPORARY SNOW FENCE EROSION CONTROL BARRIER (TYPE B)
NTS



PAVED / UNPAVED DITCH DETAIL
NTS

NOTE: LINED DITCHES SHALL HAVE STONES INSTEAD OF ASPHALT. STONES SHALL BE A MINIMUM OF 6" (152) IN DIAMETER, OR AS CALLED FOR ON PLANS. COMPACTED GRANULAR BEDDING SHALL BE INCREASED TO 9", OR A GEO TEXTILE SHALL BE USED.



CURTAIN DRAIN DETAIL
NTS

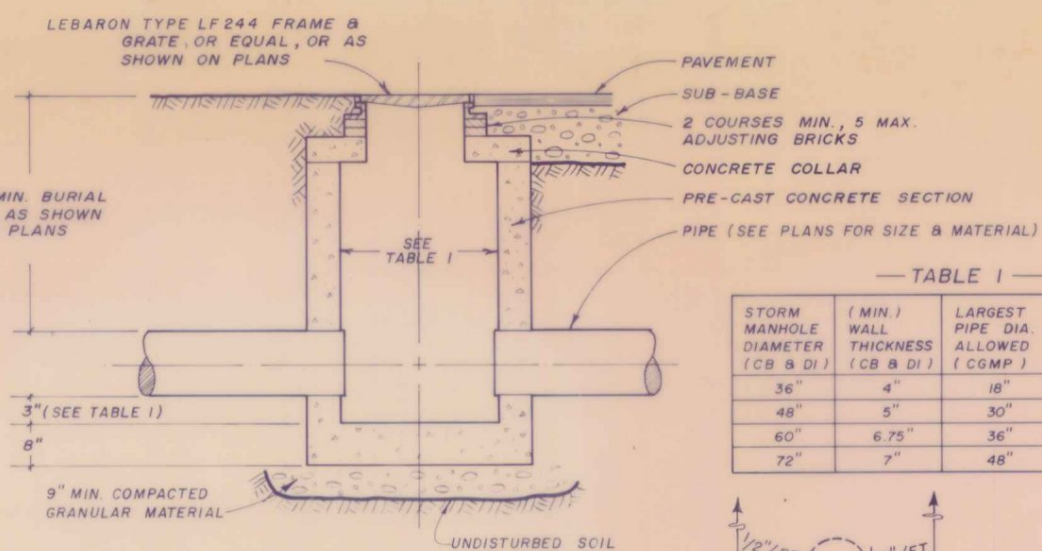
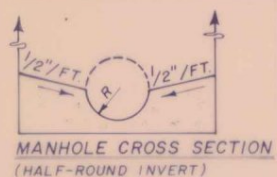
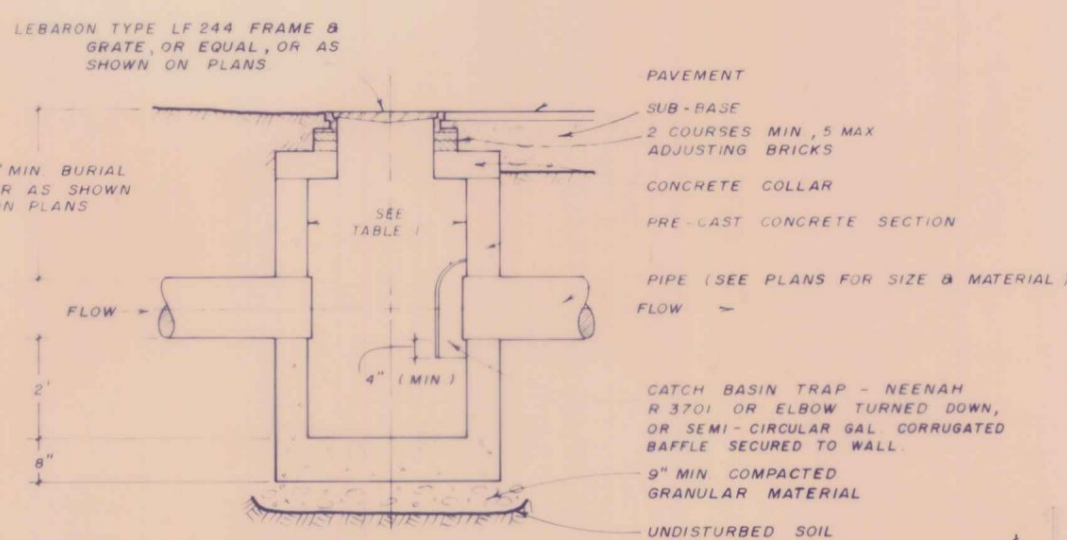


TABLE I

STORM MANHOLE DIAMETER (C.B. & D.I.)	(MIN) WALL THICKNESS (C.B. & D.I.)	LARGEST PIPE DIA. ALLOWED (C.S.M.P.)	PROVIDE HALF-ROUND INVERT (SEE DETAIL)
36"	4"	18"	NO
48"	5"	30"	YES
60"	6.75"	36"	YES
72"	7"	48"	YES

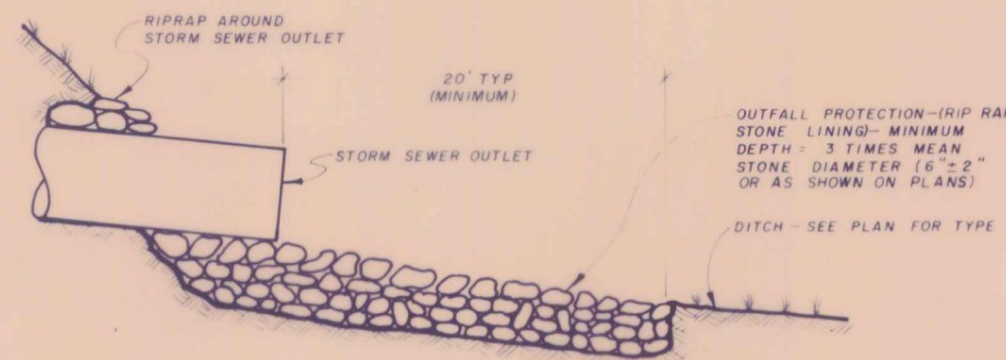


TYPICAL DROP INLET / MANHOLE
NTS

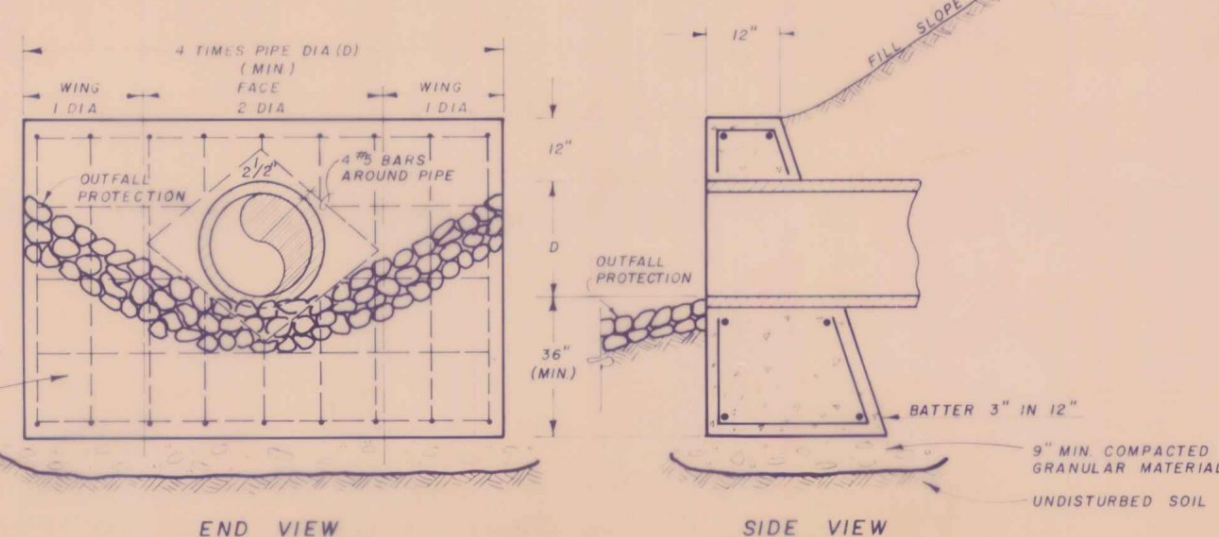


TYPICAL CATCH BASIN / TRAP
NTS

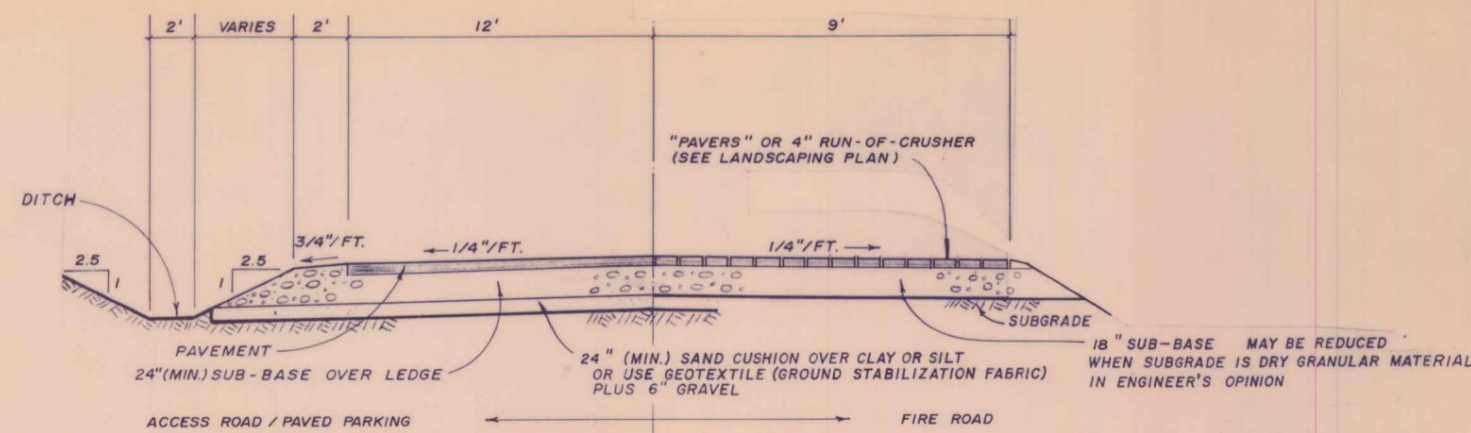
NOTE: PROVIDE CAST IN PLACE ALUMINUM MANHOLE STEPS (NEENAH R1982 W OR EQUAL) WHEN DEPTH EXCEEDS 6'-0".



STORM SEWER OUTLET DETAIL
NTS



REINFORCED CONCRETE STORM SEWER HEADWALL
NTS



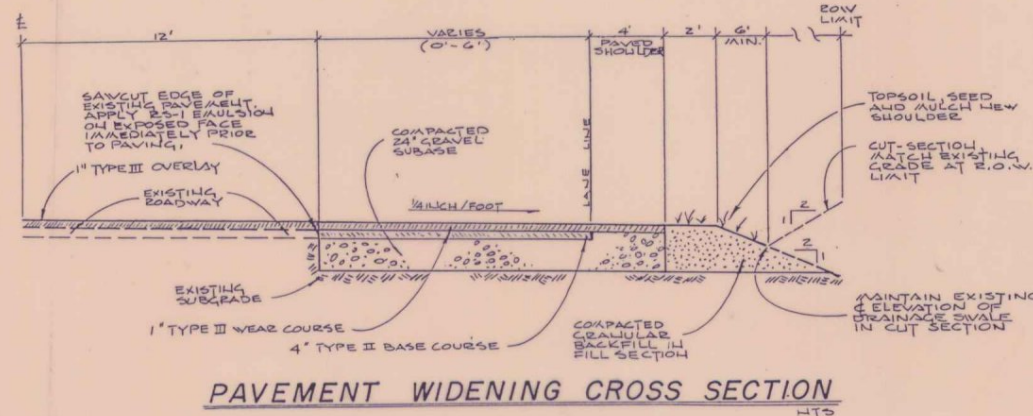
ROAD NOTES

GRAVEL: ALL GRAVEL & CRUSHED GRAVEL FOR SUB-BASE USE SHALL CONFORM TO VERMONT DEPT. OF HIGHWAYS (VDHM) SPECIFICATION 704.05 - "GRAVEL FOR SUB-BASE", & 704.07 "CRUSHED GRAVEL FOR SUB-BASE".
SUBGRADE: CONSTRUCTION SHALL CONFORM TO VDOH SPEC. 203.11 "SUBGRADE" WITH RESPECT TO MATERIAL QUALITY AND COMPACTION.
SUB-BASE: SUB-BASE MATERIAL SHALL BE PLACED IN TWO EQUAL LAYERS, EACH COMPACTED TO AT LEAST 95% MAXIMUM DRY DENSITY (A.A.S.H.T.O. T-99-C).
PAVEMENT: PAVEMENT SHALL CONSIST OF TWO BITUMINOUS COURSES, CONFORMING TO VDOH SPEC. 406 "BITUMINOUS CONCRETE PAVEMENT".
1 1/2" OF TYPE II COMPOSITION (BASE COURSE) } FOR GRAVEL ROAD & PARKING SUBSTITUTE 4" RUN-OF-CRUSHER
2.1" OF TYPE IV COMPOSITION (WEAR COURSE) }

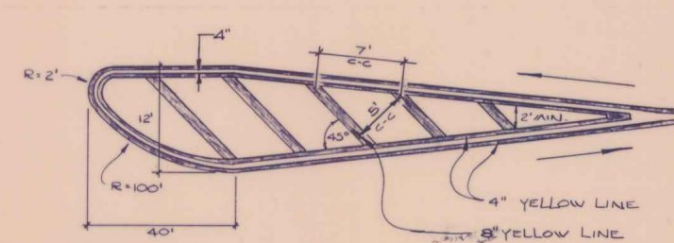
TYPICAL ROAD / FIRE ROAD / PARKING LOT CROSS SECTION

EROSION BARRIER AND CONSTRUCTION SEQUENCE

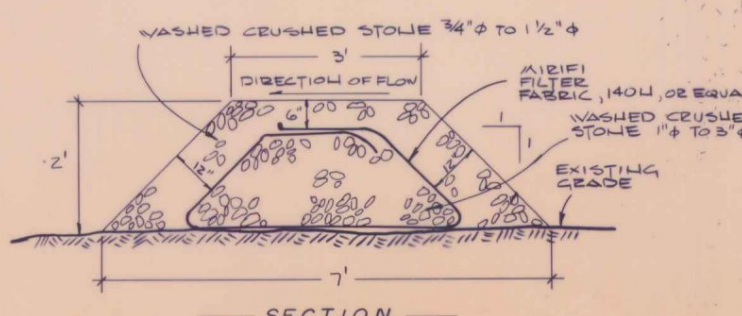
1. Before any construction begins, and maintained until all construction is complete or all permanent ground cover is established.
2. Before construction in area protected begins, and maintained until such construction is completed. As soon as permanent storm sewer inlet structure is installed, and maintained until all earthwork is completed in area contributing storm flows and permanent grass cover established.
3. As grading in protected area progresses and maintained until permanent ground cover in protected area is established.



PAVEMENT WIDENING CROSS SECTION
NTS



PAINTED ISLAND DETAIL
NTS



TEMPORARY SEDIMENT DAM
NTS

TO BE INSTALLED BEFORE EARTHWORK BEGINS, AT LOCATION SHOWN ON SITE PLAN. CLEAN AND OR REPLACE AS NECESSARY. REMOVE WHEN ALL UPSTREAM AREAS HAVE BEEN STABILIZED.
AUG 1986
MAY 1986
JAN 1985
MAY 1984
UPDATED - MAR 1983

EROSION CONTROL DURING CONSTRUCTION

1. Before any clearing or grubbing of the site is initiated, and during all earthwork phases, sediment traps (erosion barriers) shall be constructed and maintained at the inlet to all storm drains, swales, and ditches receiving water from the Project. See typical details for types and barriers.
2. All stockpiled soil shall be enclosed with an erosion control barrier, unless an existing barrier will entrap all erosion from such a stockpile or the stockpile is completely covered with vegetation that prevents erosion.
3. After every storm each sediment trap shall be inspected for failures or clogging, and any failure or clogging shall be rectified.
4. Sediment traps shall also be placed in newly-constructed swales, ditches, or other waterways during the construction period. The placing of these traps shall be as shown on the plans, as a minimum. Maintenance shall be as in #3 above.
5. Erosion control barriers indicated on the plans are the minimum number required. It is the responsibility of the Contractor to use additional barriers as field conditions dictate and to insure that any erosion created by this Project does not reach the State's waterways or leave the site.
6. New swales and unlined ditches (and any other area subject to concentrated storm runoff) shall be fertilized and seeded with the following mixture to at least two (2) feet above the channel bottom:

Seed	Lbs/Acre
Creeping Red Fescue	20
Redtop	2
Smooth Bromegrass	20

- (see standard detail for alternate plantings) and shall have mulch applied at the rate of 1.5 tons per acre.
7. Where the invert of new swales or ditches exceeds 2% slope, and where slope grade exceeds 50% (1 on 2 slope), mulching or netting securely attached to the ground shall be placed over the mulch and maintained until a permanent grass cover is established. All new swales or ditches with an invert grade more than 4% shall be lined with stones (rip-rap) or paved.
8. All disturbed terrain at final grade shall be seeded and mulched within seven days of completion, and by October 1st at the latest. Before applying final seedings, a four (4) inch average depth of topsoil shall be placed in all disturbed areas to be seeded. Seed mixtures shall be one of the following, as appropriate.

Embankment/Sloping Ground

Mixture #1 a.	Lbs/Acre
Creeping Red Fescue	20
Redtop	2
Birdfoot Trefoil or Crownvetch	8
Mixture #2 a.	10
Tall Fescue	10
Redtop	2
Mixture #3 a.	30
Flat Pea (Lathoo)	15
Redtop	15
Flat Pea (Lathoo)	30

Flat/Level Ground

Mixture #1 a.	Lbs/Acre
Kentucky Blue Grass	20
Creeping Red Fescue	20
c. Rye (Perennial), or Redtop	5
Mixture #2 a.	20
Creeping Red Fescue	20
Redtop	2
Tall Fescue	2

9. All newly-seeded areas shall be mulched at a rate of two (2) tons per acre of hay, straw, or woodchips. Juice or other equal netting shall be used where wind or water may erode newly-placed seed or mulch. All netting, where used, shall be staked to the ground in compliance with the manufacturer's recommendations.
10. All disturbed areas not at final grade, but that will not be disturbed again for a period of greater than sixty (60) days, shall be seeded with a temporary, rapid-growing cover crop, such as rye grass and millet, and shall be mulched. Netting shall also be applied, if necessary, to stabilize the mulch and seed.

BEN & JERRY'S
HOMEMADE INC. VERMONT

WATERBURY VERMONT

TYPICAL DETAILS
EROSION CONTROL & SITE FACILITIES

FITZPATRICK - LEWELLYN
INCORPORATED

ENGINEERING AND PLANNING SERVICES
ESSEX JUNCTION VERMONT

PROJECT NUMBER: 86011
DATE: FEB 1987
DRAWN BY: FLI
DRAWING NUMBER: D-2029
SHEET: 16 OF 108