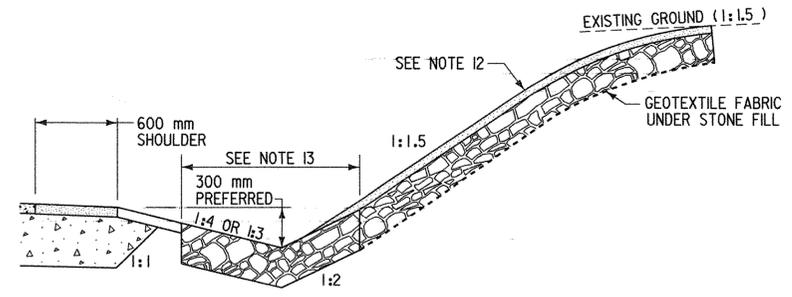
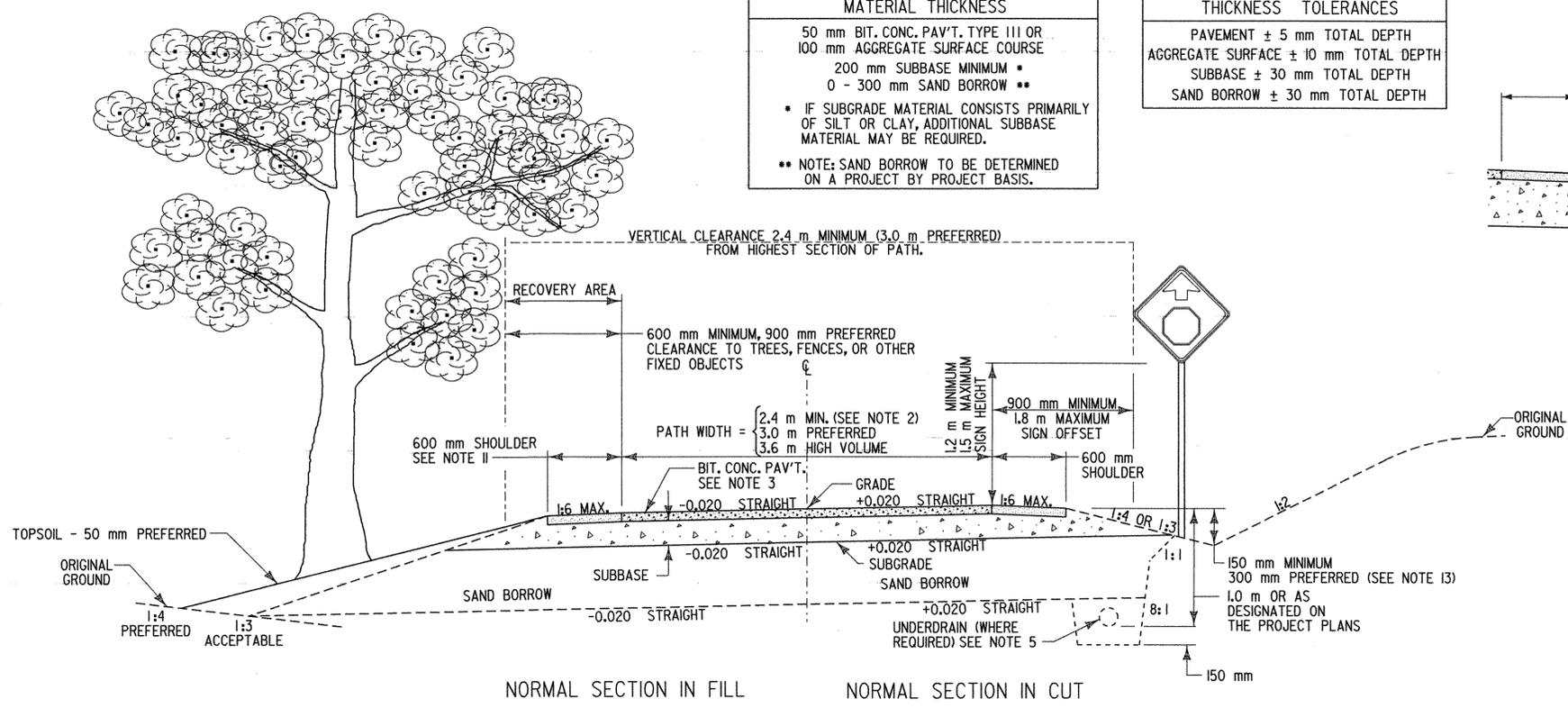


MATERIAL THICKNESS
50 mm BIT. CONC. PAV'T. TYPE III OR
100 mm AGGREGATE SURFACE COURSE
200 mm SUBBASE MINIMUM *
0 - 300 mm SAND BORROW **
* IF SUBGRADE MATERIAL CONSISTS PRIMARILY OF SILT OR CLAY, ADDITIONAL SUBBASE MATERIAL MAY BE REQUIRED.
** NOTE: SAND BORROW TO BE DETERMINED ON A PROJECT BY PROJECT BASIS.

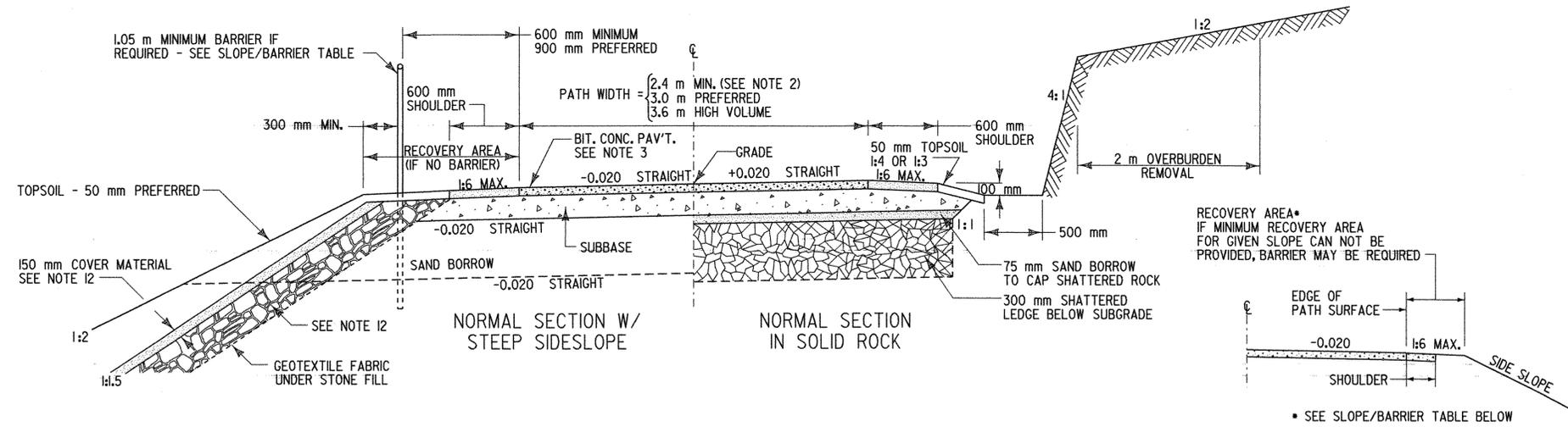
THICKNESS TOLERANCES
PAVEMENT ± 5 mm TOTAL DEPTH
AGGREGATE SURFACE ± 10 mm TOTAL DEPTH
SUBBASE ± 30 mm TOTAL DEPTH
SAND BORROW ± 30 mm TOTAL DEPTH



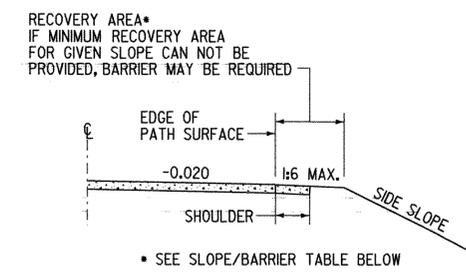
NORMAL SECTION ON STEEP GRADE WITH 1:1.5 BACKSLOPE



NORMAL SECTION IN FILL NORMAL SECTION IN CUT



NORMAL SECTION W/ STEEP SIDESLOPE NORMAL SECTION IN SOLID ROCK



SIDE SLOPE TREATMENT

- GENERAL NOTES:**
- 1.) ALL DESIGN SHALL BE IN ACCORDANCE WITH THE VAOT PEDESTRIAN AND BICYCLE FACILITY PLANNING AND DESIGN MANUAL.
 - 2.) THE MINIMUM PATH WIDTH SHOULD ONLY BE USED WHEN THE CONDITIONS NOTED IN THE VAOT PEDESTRIAN AND BICYCLE FACILITY PLANNING AND DESIGN MANUAL ARE MET.
 - 3.) WHEN AN AGGREGATE SURFACE IS USED THE SURFACE MUST BE FIRM, STABLE AND SLIP-RESISTANT. SEE VAOT STANDARD SPECIFICATIONS FOR CONSTRUCTION FOR AGGREGATE SURFACE COURSE.
 - 4.) WHEN USING AGGREGATE SURFACE COURSE, PLACE GEOTEXTILE ROADBED SUBGRADE SEPARATOR FABRIC BETWEEN SUBBASE AND SURFACE. WHEN USING A PAVED SURFACE, ROADBED SUBGRADE SEPARATOR FABRIC SHALL BE PLACED BETWEEN SUBGRADE AND SUBBASE.
 - 5.) THE USE OF UNDERDRAIN IS OPTIONAL, HOWEVER, ITS USE IS ENCOURAGED WHEN WET SUBGRADE CONDITIONS ARE ENCOUNTERED.
 - 6.) WHEN SAND BORROW IS USED, ITS THICKNESS SHALL BE TRANSITIONED TO OR FROM FULL DEPTH AT THE RATE OF 1:25 ALONG THE LENGTH OF THE PATH TO PREVENT A BUMP FROM OCCURRING AT ITS TERMINUS.
 - 7.) A CROWNED SECTION MAY BE USED FOR THE PATH SURFACE ON TANGENT SECTIONS. HOWEVER, ALL CURVED SECTIONS SHALL BE BANKED TOWARD THE INSIDE OF THE CURVE. A "BANKING DIAGRAM" SHOULD BE PROVIDED. THE SUBGRADE WILL NOT BE CROWNED.
 - 8.) A PORTLAND CEMENT CONCRETE (PCC) SURFACE MAY BE USED WHEN SHOWN TO BE A COST EFFECTIVE ALTERNATIVE.
 - 9.) ALL SHARED USE PATHS SHALL MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA). REFER TO THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) FOR SPECIFIC DETAILS.
 - 10.) ANY TREE ROOTS ENCOUNTERED WITHIN THE EXCAVATION LIMITS SHALL BE SAWCUT AND REMOVED. PAYMENT WILL BE INCIDENTAL TO COMMON EXCAVATION.
 - 11.) THE SHOULDER SHALL BE EITHER TOPSOIL AND GRASS OR FINE GRADED AGGREGATE SURFACE COURSE.
 - A.) ANY SLOPES ADJACENT TO WETLANDS OR STREAMS SHALL USE GRUBBING MATERIAL AS A COVER FOR THE STONE FILL.
 - B.) STONE COVERED SLOPES IN DRY AREAS SHALL USE EXCAVATED EARTH OR EARTH BORROW AS A COVER MATERIAL. COVER MATERIAL SHALL BE SEEDED AND MULCHED.
 - 12.) STONE FILL TYPE II IS REQUIRED ON ANY SLOPE STEEPER THAN 1:2. A 150 mm LAYER OF COVER MATERIAL OVER THE STONE IS ALSO REQUIRED.
 - A.) ANY SLOPES ADJACENT TO WETLANDS OR STREAMS SHALL USE GRUBBING MATERIAL AS A COVER FOR THE STONE FILL.
 - B.) STONE COVERED SLOPES IN DRY AREAS SHALL USE EXCAVATED EARTH OR EARTH BORROW AS A COVER MATERIAL. COVER MATERIAL SHALL BE SEEDED AND MULCHED.
 - 13.) DITCHES WILL RECEIVE THE FOLLOWING TREATMENTS BASED ON THEIR SLOPE:
 - A.) < 1% SEED AND MULCH
 - B.) 1 - 4% EROSION CONTROL MATTING AND SEED
 - C.) 4 - 10% TYPE I STONE FILL - 300 mm DEPTH
 - D.) > 10% TYPE II STONE FILL - 600 mm DEPTH

SLOPE/BARRIER TABLE					
RECOVERY AREA WIDTH			BARRIER RECOMMENDATIONS*		
UNPAVED SURFACE MIN.	PREFERRED	SIDE SLOPE	PAVED SURFACE MIN.	PREFERRED	
0.0 m	600 mm	1/4 OR FLATTER	0.0 m	900 mm	GENERALLY NO BARRIER NECESSARY
600 mm	900 mm	1:3	900 mm	1.2 m	IF VERTICAL DROP 1.5 m OR GREATER, CONSIDER USE OF BARRIER UNLESS PREFERRED RECOVERY AREA IS PROVIDED
900 mm	1.5 m	1:2	1.2 m	1.5 m	IF VERTICAL DROP 1.2 m OR GREATER, CONSIDER USE OF BARRIER UNLESS PREFERRED RECOVERY AREA IS PROVIDED
1.5 m	>1.5 m	STEEPER THAN 1:2	1.5 m	>1.5 m	IF MINIMUM RECOVERY AREA NOT PROVIDED, BARRIER IS NECESSARY

SPECIFICATION FOR AGGREGATE SURFACE COURSE	
SIIEVE DESIGNATION	PERCENTAGE BY MASS PASSING SQUARE MESH SIEVES
9.5 mm	80 TO 100
4.75 mm	60 TO 90
1.18 mm	20 TO 40
600 μm	14 TO 30
300 μm	10 TO 25
150 μm	8 TO 15
75 μm	0 TO 8

REVISIONS AND CORRECTIONS

AUGUST 1, 1996 - ORIGINAL APPROVAL DATE

MARCH 3, 2003 - REVISED SURFACE TREATMENTS, ADDED SIDE SLOPE TREATMENTS AND MISCELLANEOUS REVISED NOTES

MARCH 15, 2005 - REVISED MATERIAL THICKNESS, THICKNESS TOLERANCES AND GENERAL NOTES.

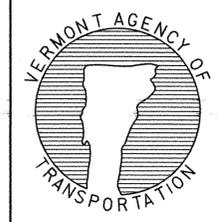
APPROVED

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LOCAL TRANSPORTATION FACILITIES PROGRAM MANAGER

Michael J. ...
FEDERAL HIGHWAY ADMINISTRATION

SHARED USE PATH TYPICAL



THIS SHEET IS NOT TO SCALE

OTHER STDS. A-80M, E-195M REQ'D: