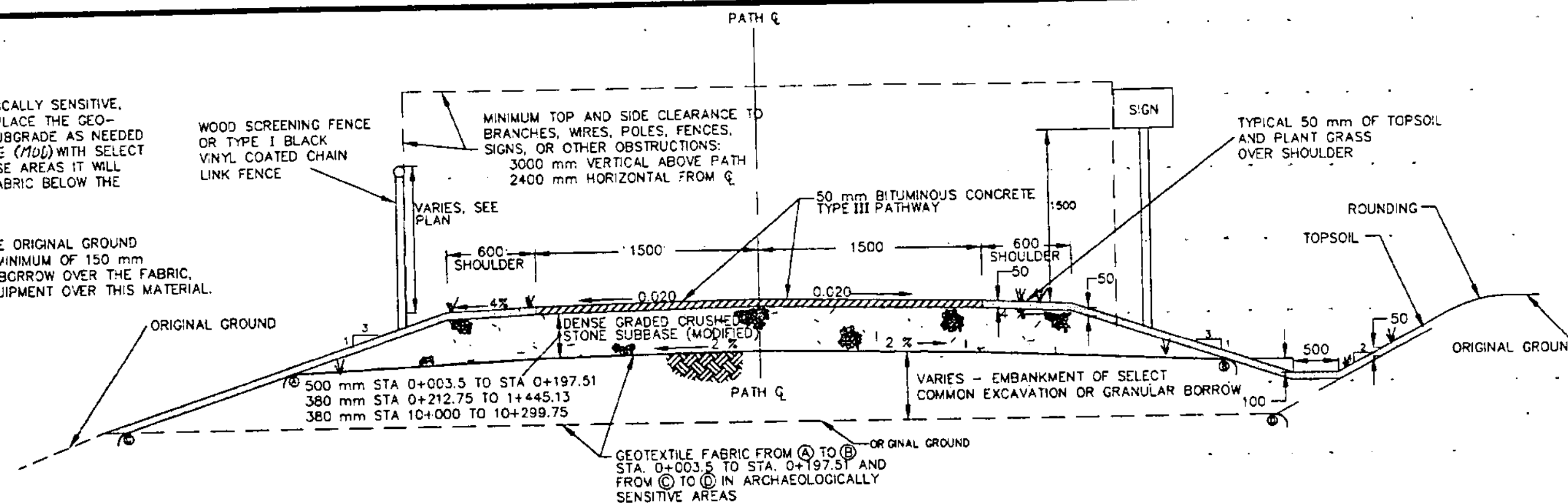
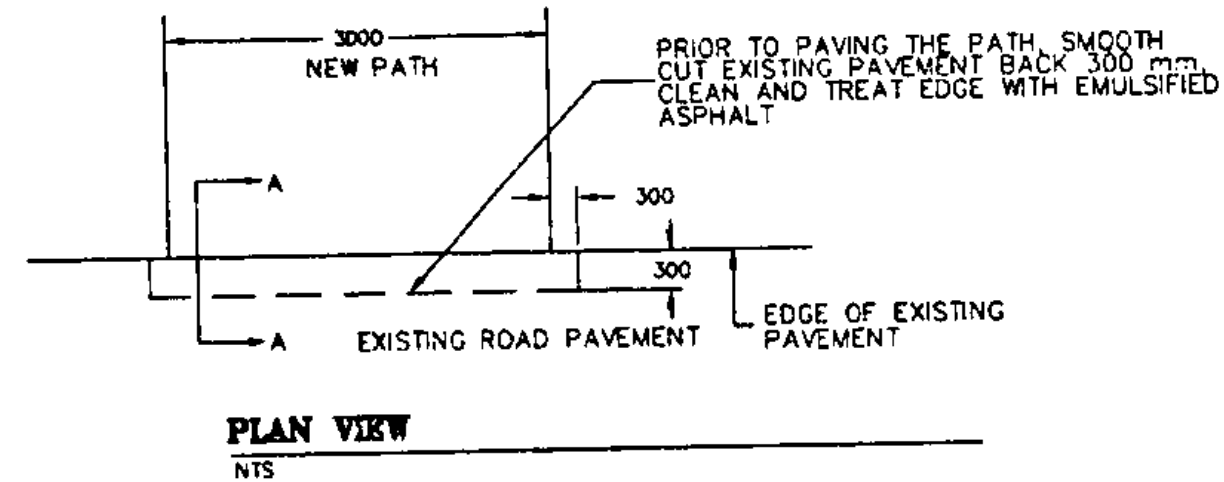


- NOTE: 1. ALL EMBANKMENT CUTS AND FILLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SHEET B-5.
2. IN THE FOLLOWING AREAS FOUND TO BE ARCHAEOLOGICALLY SENSITIVE, THE CONTRACTOR SHALL NOT REMOVE THE TOPSOIL. PLACE THE GEOTEXTILE FABRIC OVER THE TOPSOIL AND BUILD THE SUBGRADE AS NEEDED UP TO THE DENSE GRADED CRUSHED STONE SUBBASE (70D) WITH SELECT COMMON EXCAVATION OR GRANULAR BORROW. IN THESE AREAS IT WILL NOT BE NECESSARY TO PLACE ANOTHER LAYER OF FABRIC BELOW THE DENSE GRADED CRUSHED STONE.
- STATION 0+760 TO 0+880
STATION 1+060 TO 1+200
- THE CONTRACTOR SHALL NOT RUN EQUIPMENT ON THE ORIGINAL GROUND IN THE SENSITIVE AREAS. HE OR SHE WILL PLACE A MINIMUM OF 150 mm OF THE SELECT COMMON EXCAVATION OR GRANULAR BORROW OVER THE FABRIC. THEN MAY RUN A SMALL DOZER OR OTHER LIGHT EQUIPMENT OVER THIS MATERIAL.



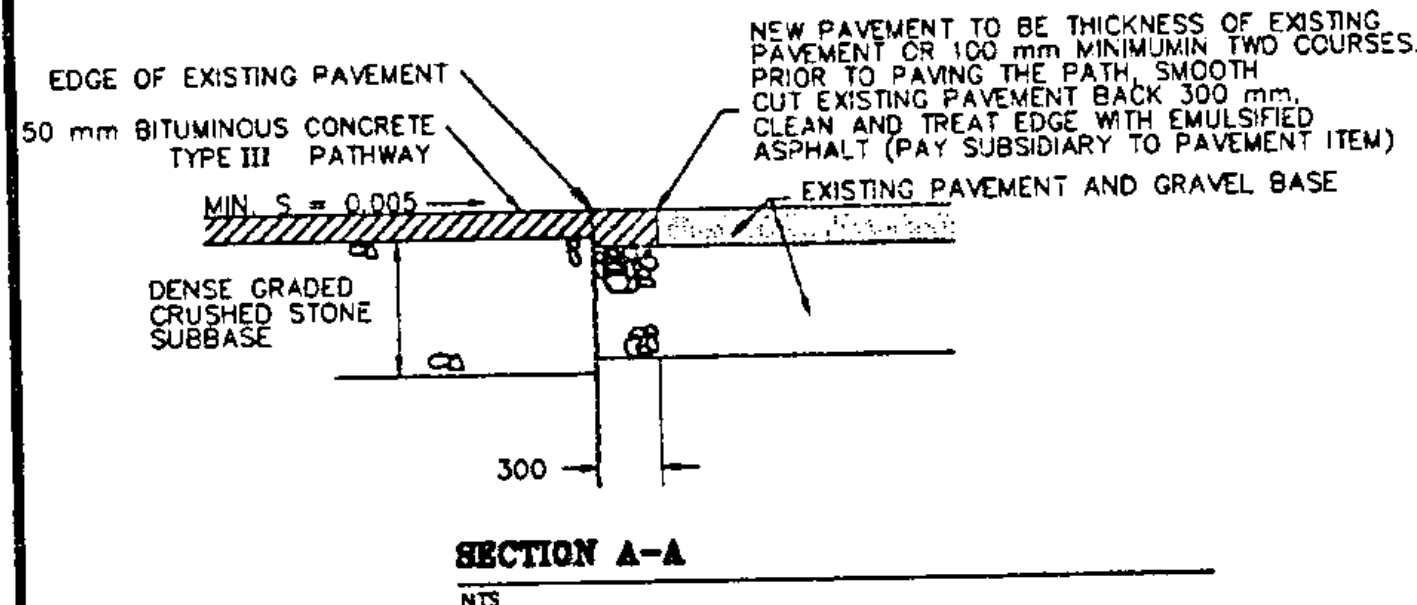
TRANSPORTATION PATH TYPICAL SECTION TYPE I

NTS



PLAN VIEW

NTS

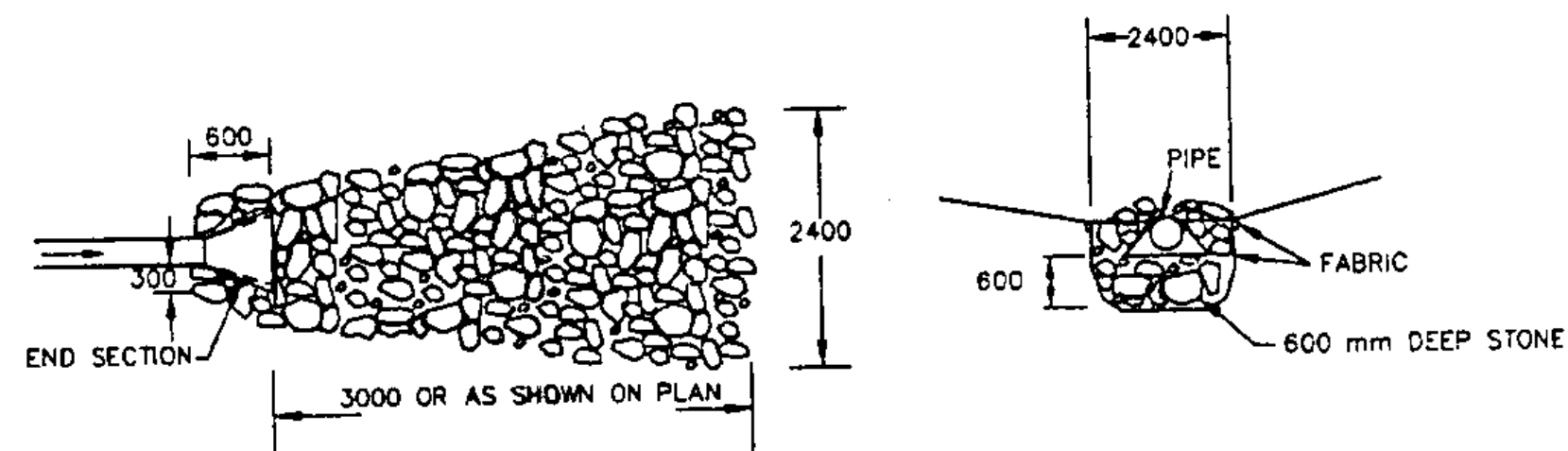


SECTION A-A

NTS

PATH RAMP AT INTERSECTION

NTS

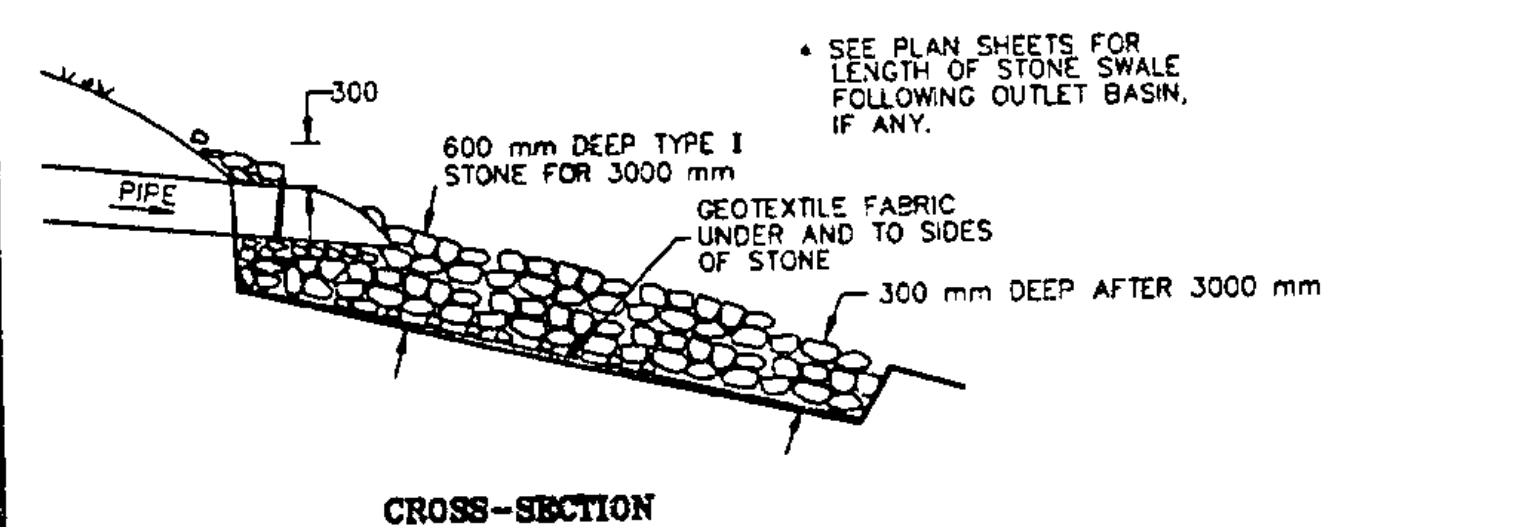


PLAN VIEW

NTS

SECTION VIEW

NTS

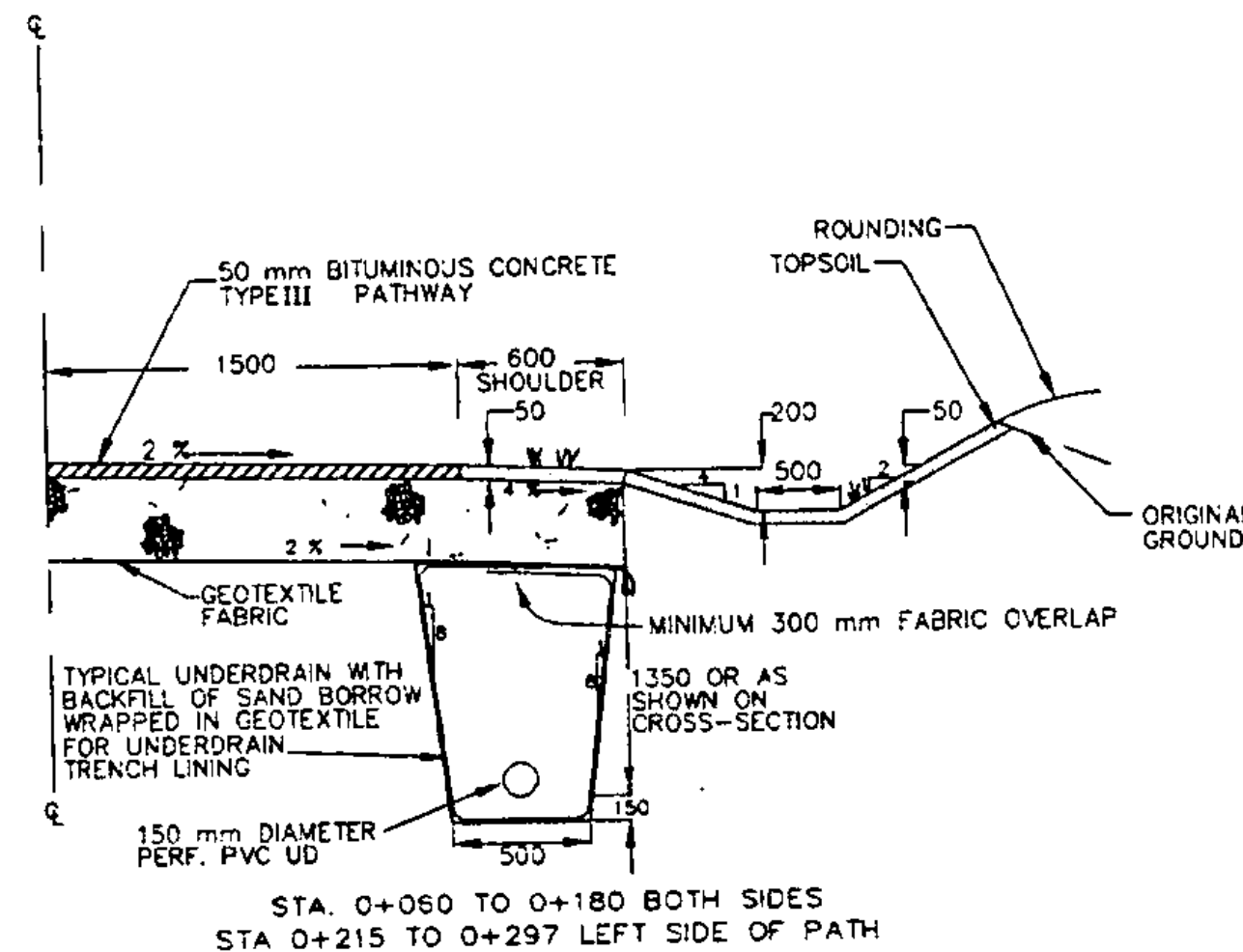


CROSS-SECTION

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STONED STORM OUTFALL DETAIL

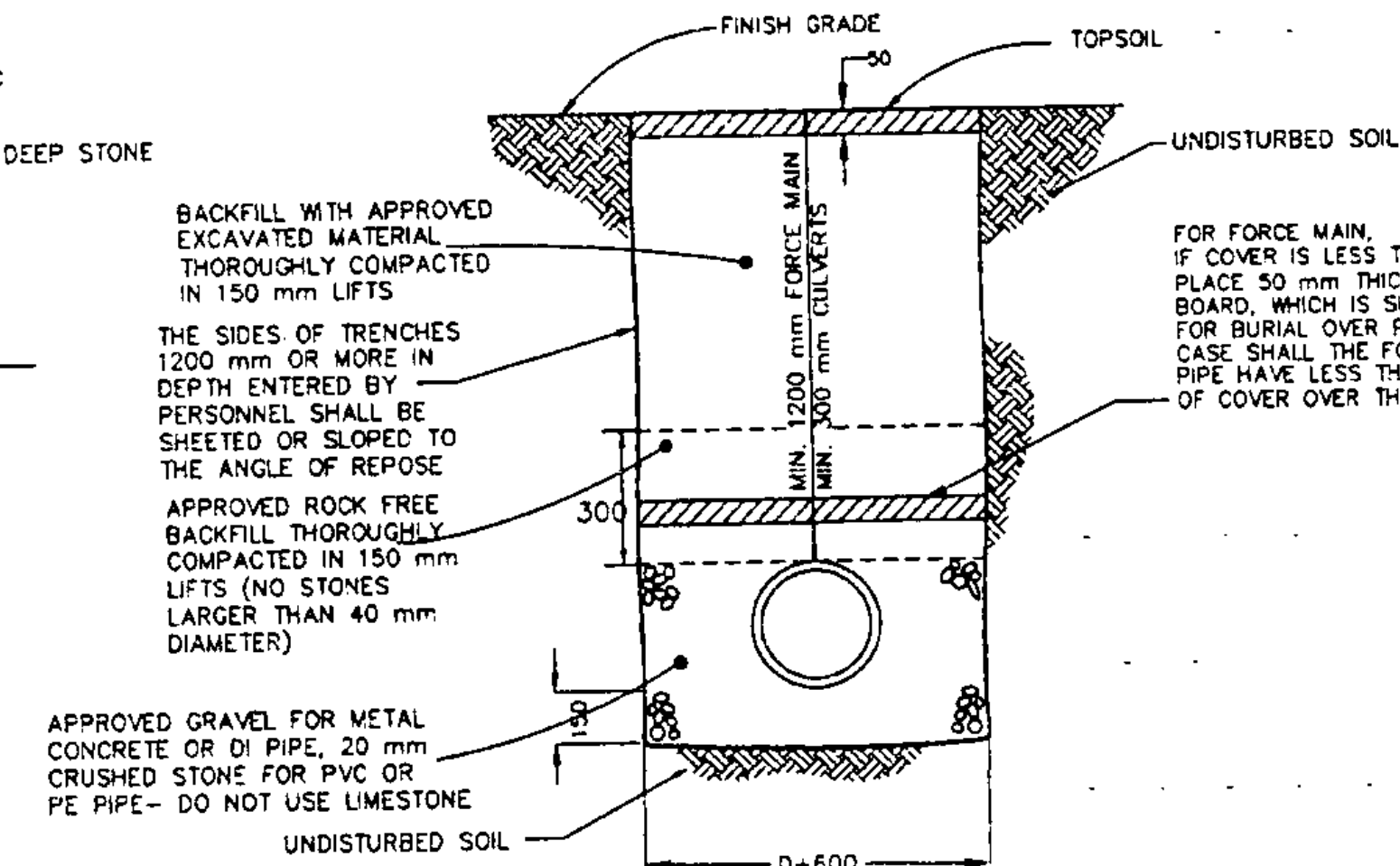
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TRANSPORTATION PATH TYPICAL SECTION WITH UNDERDRAIN

NTS

MATERIAL ITEM	DEPTH	PERMISSIBLE THICKNESS TOLERANCE
PAVEMENT	50 mm	± 5 mm
SUBBASE	500 mm	± 30 mm



TYPICAL STORM CULVERT AND FORCE MAIN TRENCH

NTS

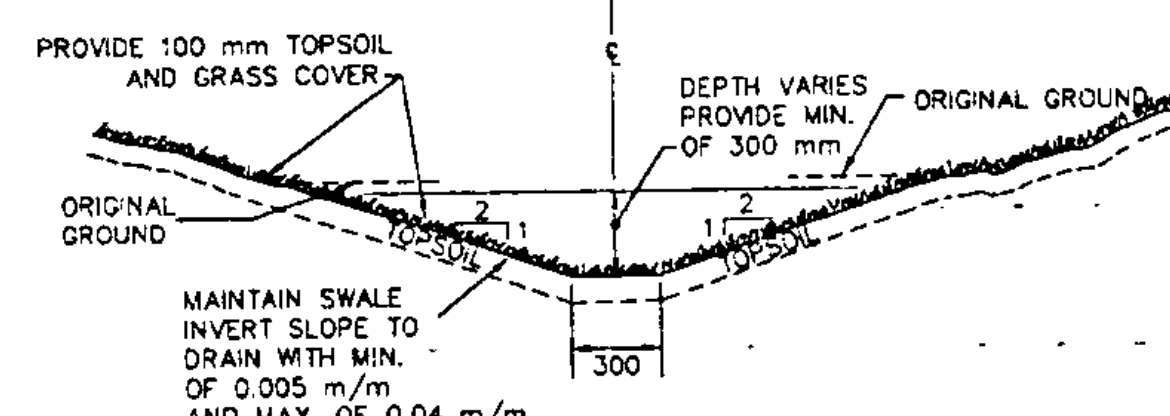
NOTE: PLACE 0.10mm POLYETHYLENE BETWEEN FITTING AND THRUST BLOCK

SOIL TYPE - CLAY/SILT			
FITTING SIZE	150mm	200mm	300mm
1 1/4 & 2 1/2	0.140	0.185	0.420
45'	0.185	0.370	0.790
90'	0.420	0.745	1.625
TEES OR END CAPS	0.280	0.510	1.160
VALVES	0.140	0.140	0.140

BEARING AREA - m²
BASED ON 0.345 MPa WORKING PRESSURE

THRUST BLOCK END AREA

NTS

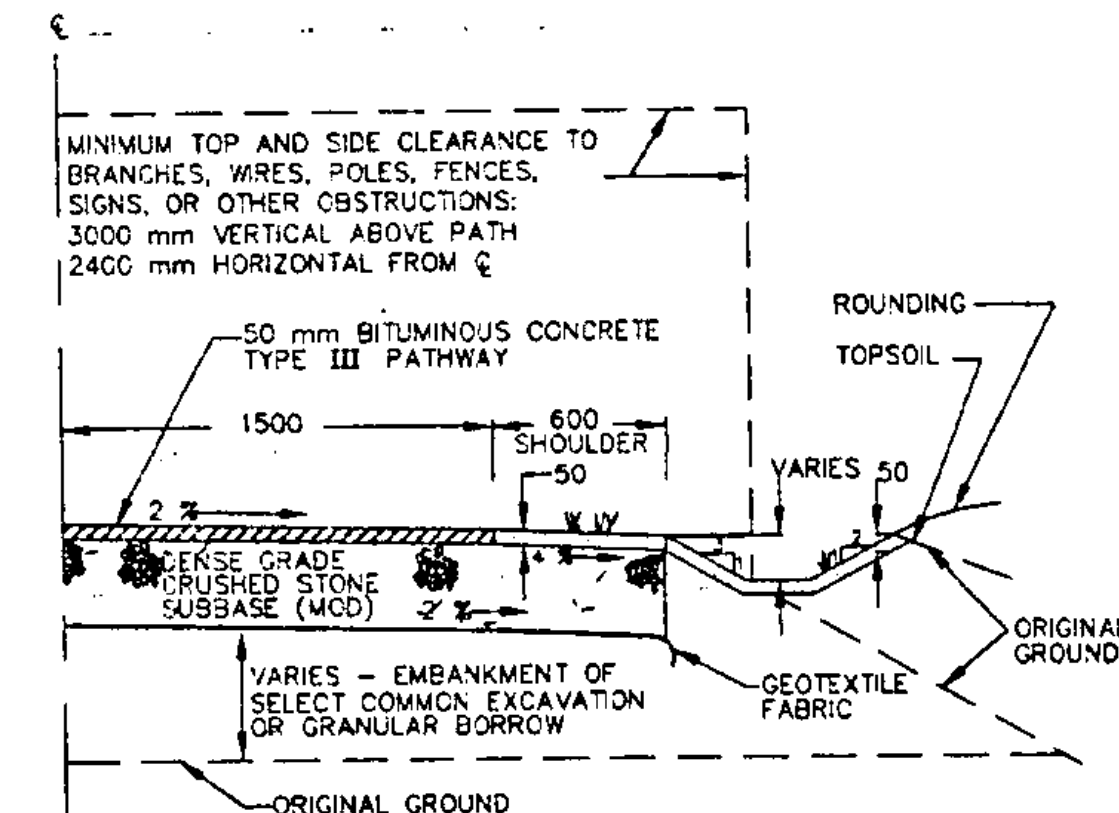


TYPICAL TYPE IA DRAINAGE SWALE

NTS

GENERAL CONSTRUCTION SPECIFICATIONS

- ALL WORK AND MATERIALS SHALL BE APPROVED BY AND IN ACCORDANCE WITH THE LATEST VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE SPECIFICATIONS, AND THESE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DUST CREATED AS A RESULT OF CONSTRUCTION DOES NOT CREATE A NUISANCE OR A SAFETY HAZARD. WHERE AND WHEN DEEMED NECESSARY BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO WET SECTIONS OF THE CONSTRUCTION AREA WITH WATER.
- ANY SURFACES, LINES, OR STRUCTURES WHICH HAVE BEEN DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO THE CONDITION AT LEAST EQUAL TO THAT IN WHICH THEY WERE FOUND IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS.
- THE FINISH GRADE SLOPES SHALL BE IMMEDIATELY GRADED AND MULCHED.
- THE EROSION CONTROL METHODS USED DURING CONSTRUCTION OF THE PATH SHALL PROCEED IN THE FOLLOWING SEQUENCE:
 - THE CONTRACTOR SHALL INSTALL AND MAINTAIN HAY BALE DAMS AS SHOWN ON THE PLANS AND AS ORDERED BY THE VERMONT AGENCY OF TRANSPORTATION. THE DAMS SHALL BE MAINTAINED AND REPAIRED AFTER EVERY RAINFALL UNTIL THE NEW IMPROVEMENTS ARE PAVED AND ALL DISTURBED AREAS HAVE BEEN GRASSED. THE REPAIR OF THE DAMS WILL INCLUDE REMOVING ANY SEDIMENTATION. THE SEDIMENT MAY BE PLACED AS FILL IN THE LOW AREAS.
 - THE TOPSOIL SHALL BE REMOVED FROM THE AREAS TO BE GRADED AND STOCKPILED. HAYBALES SHALL BE PLACED CONTINUOUSLY AROUND THE BOTTOM OF THE PILE.
 - THE CONTRACTOR SHALL ENCLOSE THE TRUNKS OF LARGE TREES NEAR THE NEW CONSTRUCTION WITH SNOW FENCING TO PROTECT THE TREES FROM INJURY BY EQUIPMENT POSSIBLE FOLLOWING COMPLETION OF ADJACENT CONSTRUCTION.
 - AT COMPLETION OF GRADING, THE SLOPES, DITCHES, AND ALL DISTURBED AREAS SHALL BE SMOOTH AND FREE OF POCKETS WITH SUFFICIENT SLOPE TO ENSURE DRAINAGE.



TRANSPORTATION PATH TYPICAL SECTION TYPE II

NTS

STA 0+920 TO 0+960 RIGHT SIDE OF PATH
STA 1+400 TO 1+445 BOTH SIDES OF PATH

TRANSPORTATION PATH TYPICAL SECTION TYPE II

NTS

DATE	REVISIONS	BY
8-2-95	REVISED PER STATE REVIEW	ABR
5-2-95	REVISED PER STATE REVIEW	DLH
9-6-94	REVISED PER STATE REVIEW	ABR
5-11-94	REVISED PER STATE REVIEW	DLH
State 1-25-94 desc.	REVISED PER STATE REVIEW	by ABR

REVISIONS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRANSPORTATION PATH
WILLISTON STP BIKE (9)
IN
WILLISTON
VERMONT

LAOUREUX, STONE & O'LEARY
Consulting Engineers Inc.
14 Morse Drive
Essex Junction, VT 05452
(802) 878-4450
Engineers-Planners-Surveyors



NOTE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

Metric