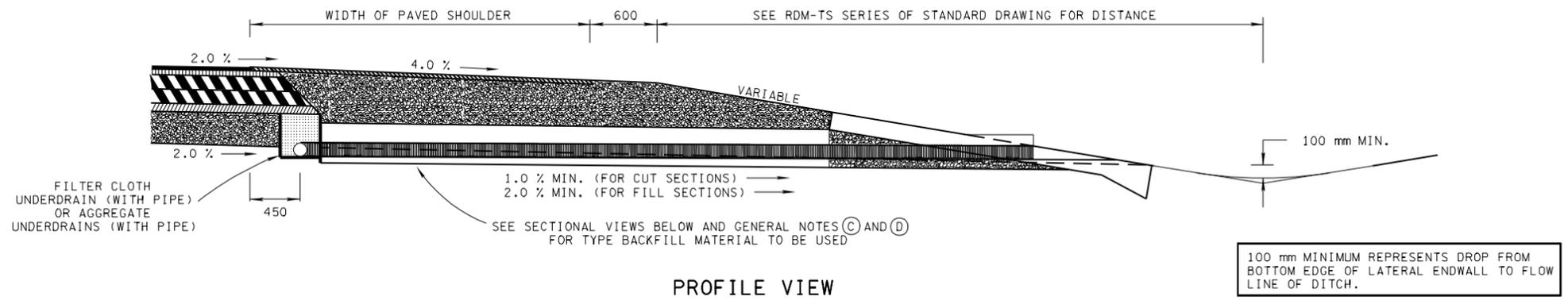
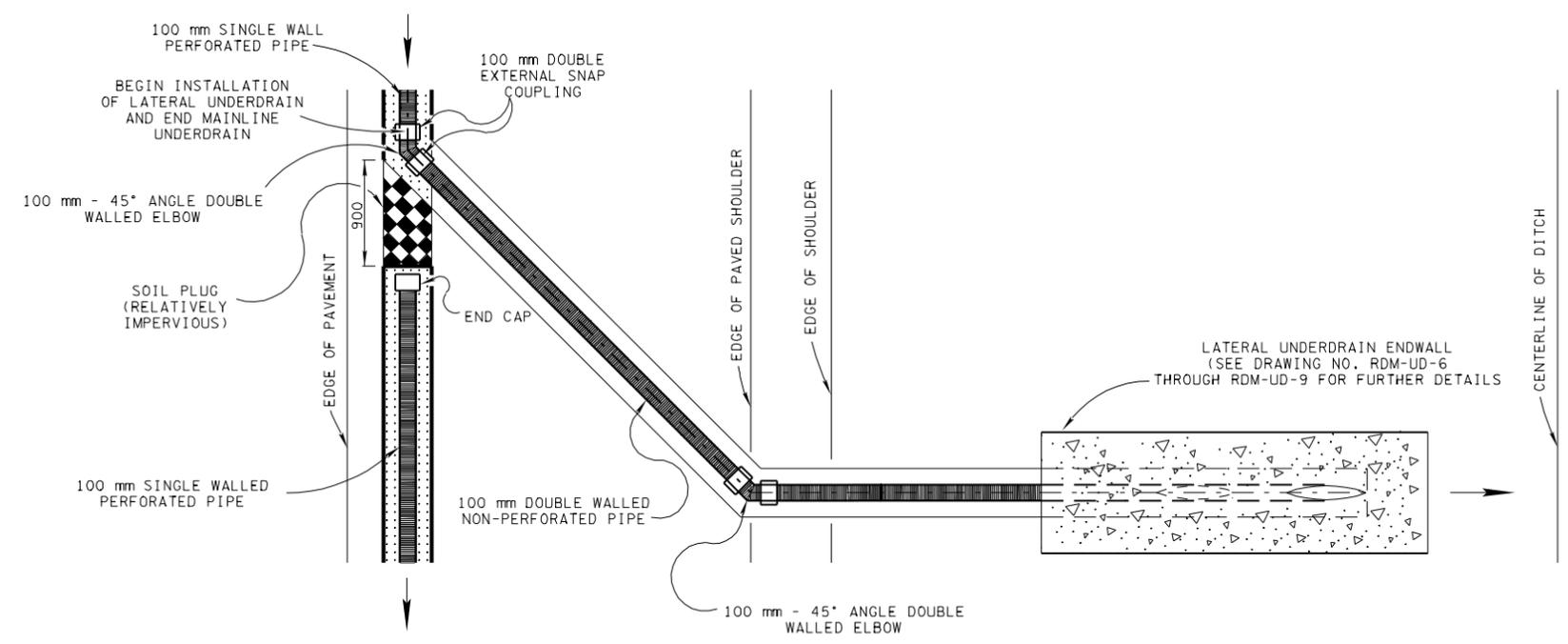


- REV. 11-1-95: CHANGED TO METRIC.
- REV. 9-5-96: INCREASED THE MINIMUM PERCENT OF GRADE IN THE LATERAL FROM 1 1/2 % TO 2 % FOR FILL SECTIONS.
- REV. 5-27-01: CORRECTED PAY ITEM IN GENERAL NOTE (C).
- REV. 11-11-02: CHANGED GENERAL NOTE (C).



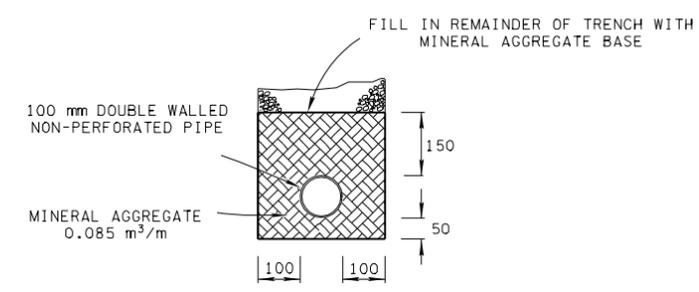
PROFILE VIEW

100 mm MINIMUM REPRESENTS DROP FROM BOTTOM EDGE OF LATERAL ENDWALL TO FLOW LINE OF DITCH.

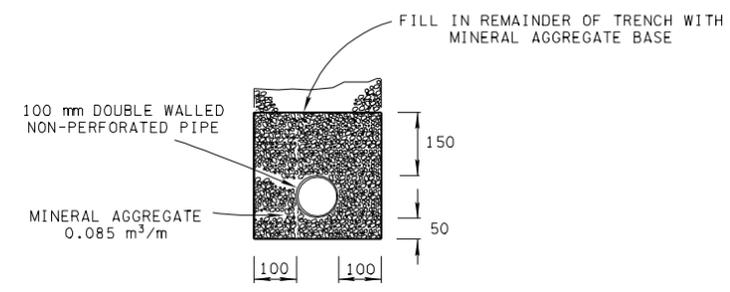


PLAN VIEW

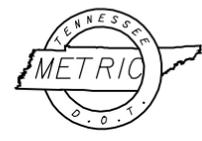
GENERAL NOTES	
(A)	AGGREGATE OR FILTER CLOTH UNDERDRAINS AND UNDERDRAIN LATERAL OUTLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS, SECTION 710 AND/OR SPECIAL PROVISIONS.
(B)	100 mm DOUBLE WALLED (CORRUGATED EXTERIOR AND SMOOTH INTERIOR WALL) NON-PERFORATED PIPE SHALL CONFORM TO REQUIREMENTS OF AASHTO M252, TYPE "S". IT SHALL BE PAID FOR UNDER THE PRICE BID FOR ITEM NO. 710M05, LATERAL UNDERDRAIN PER LINEAR METER.
(C)	BACKFILL MATERIAL USED WITH UNDERDRAIN LATERALS ON INTERSTATE AND FREEWAY SYSTEMS SHALL BE FLOWABLE MORTAR. FLOWABLE MORTAR BACKFILL SHALL MEET THE REQUIREMENTS OF SUBSECTION 204.06 OF THE STANDARD SPECIFICATIONS. IT SHALL BE PAID FOR UNDER THE PRICE BID FOR ITEM NO. 204M08.01, BACKFILL MATERIAL (FLOWABLE FILL) PER CUBIC METER.
(D)	BACKFILL MATERIAL USED WITH UNDERDRAIN LATERALS ON ALL OTHER HIGHWAY SYSTEMS SHALL BE MINERAL AGGREGATE. MINERAL AGGREGATE BACKFILL SHALL MEET REQUIREMENTS OF SUBSECTION 903.05 OF THE STANDARD SPECIFICATIONS FOR CLASS "A" OR CLASS "B" GRADING "D". IT SHALL BE PAID FOR UNDER THE PRICE BID FOR ITEM NO. 710M05, LATERAL UNDERDRAIN PER LINEAR METER.



TYPICAL LATERAL UNDERDRAIN BACKFILL WITH FLOWABLE MORTAR SECTIONAL DETAIL



TYPICAL LATERAL UNDERDRAIN BACKFILL WITH MINERAL AGGREGATE SECTIONAL DETAIL



ALL UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.  
 □ MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE  
 DEPARTMENT OF TRANSPORTATION

UNDERDRAIN  
 LATERAL  
 DETAILS