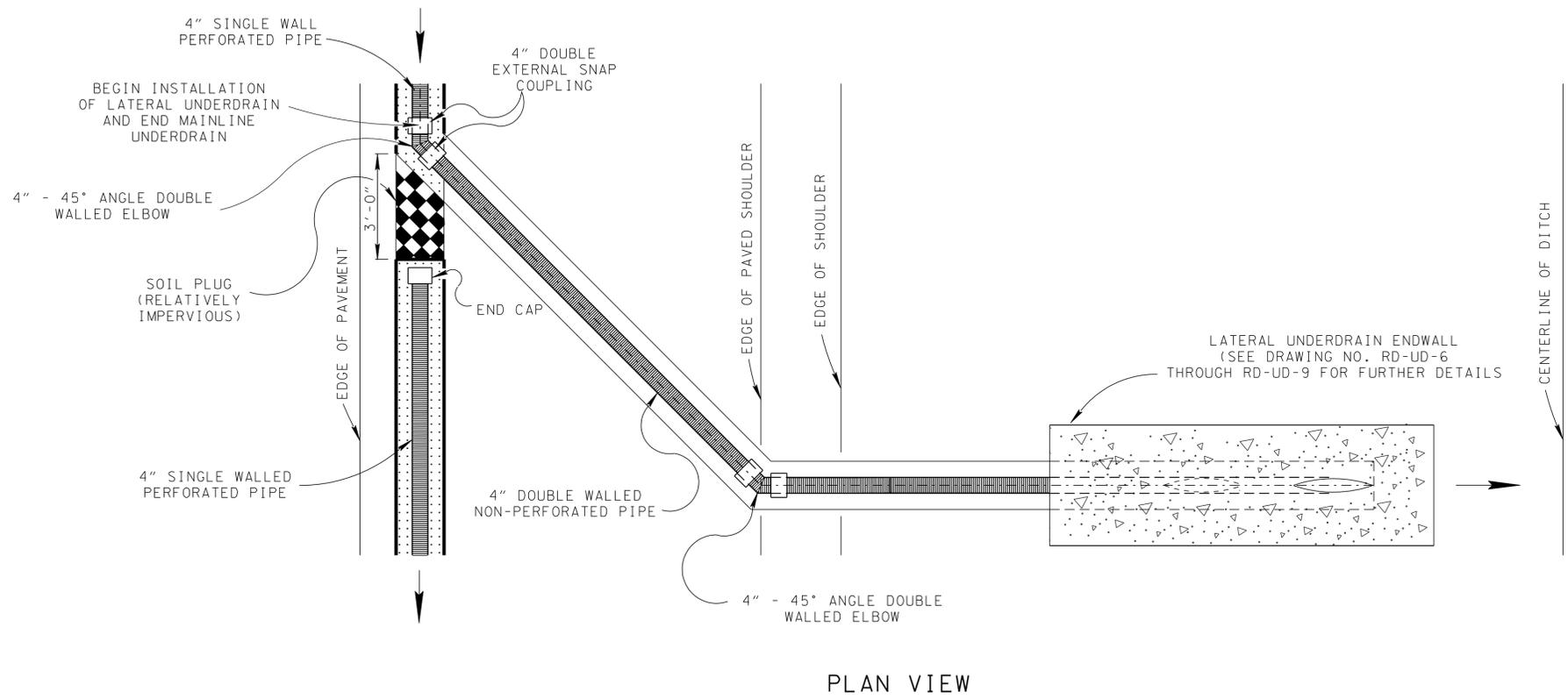


- REV. 7-29-96: REDREW AND REORGANIZED SHEET. MOVED MATERIAL REGARDING MAINLINE UNDERDRAINS TO STANDARD DRAWING NO. RD-UD-3. MOVED MATERIAL REGARDING LATERAL UNDERDRAINS FROM STANDARD DRAWING NO. RD-UD-3.
- REV. 9-5-96: INCREASED THE MINIMUM PERCENT OF GRADE IN THE LATERAL FROM 1% TO 2% FOR FILL SECTIONS.
- REV. 5-27-01: CORRECTED PAY ITEM IN GENERAL NOTE (C).

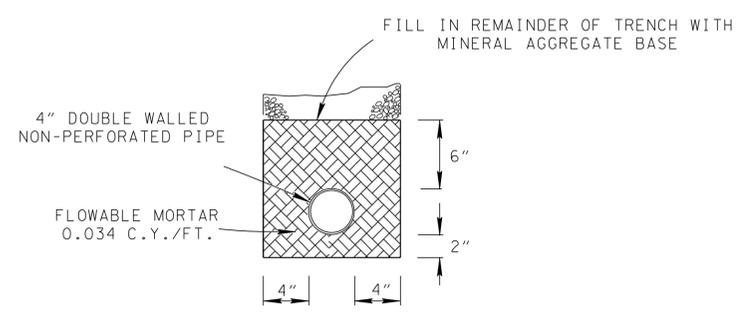
PROFILE VIEW

FOUR INCH MINIMUM REPRESENTS DROP FROM BOTTOM EDGE OF LATERAL ENDWALL TO FLOW LINE OF DITCH.

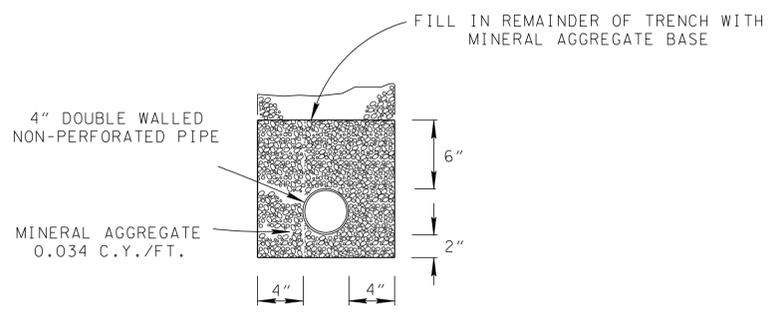


PLAN VIEW

- 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) FOUR-INCH 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. 710-05, LATERAL UNDERDRAIN PER LINEAR FOOT.
 - (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. 204-08.01, BACKFILL MATERIAL (FLOWABLE FILL) PER CUBIC YARD.
 - (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. 710-05, LATERAL UNDERDRAIN PER LINEAR FOOT.



TYPICAL LATERAL UNDERDRAIN BACKFILL WITH FLOWABLE MORTAR SECTIONAL DETAIL



TYPICAL LATERAL UNDERDRAIN BACKFILL WITH MINERAL AGGREGATE SECTIONAL DETAIL

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UNDERDRAIN
LATERAL
DETAILS

7-29-96 RD-UD-4