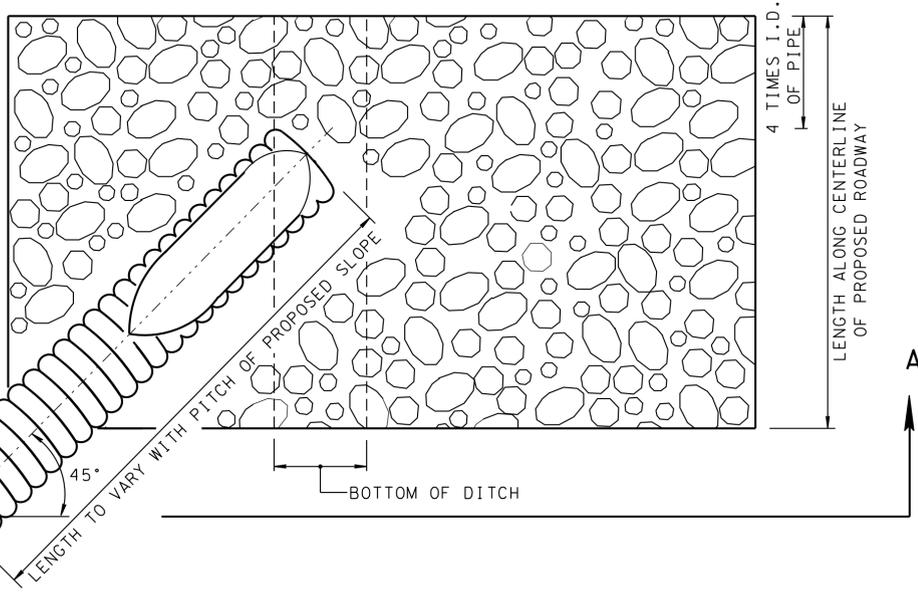


PLAN VIEW FOR CASE I (SHOWING 45° OUTLET)



PERMANENT SLOPE DRAIN GENERAL NOTES

(A) MATERIALS AND SPECIFICATIONS FOR PERMANENT SLOPE DRAIN PIPE SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 604, SECTION 607, AND SECTION 709.

(B) METAL AND PLASTIC PIPES USED FOR PERMANENT SLOPE DRAIN PIPE ARE TO BE ATTACHED TO THE GROUND WITH CONCRETE COLLARS OR OTHER METHODS AS APPROVED BY THE ENGINEER TO ASSURE PROPER ANCHORAGE AND PREVENT THE PIPE FROM SLIPPING DOWN THE SLOPE.

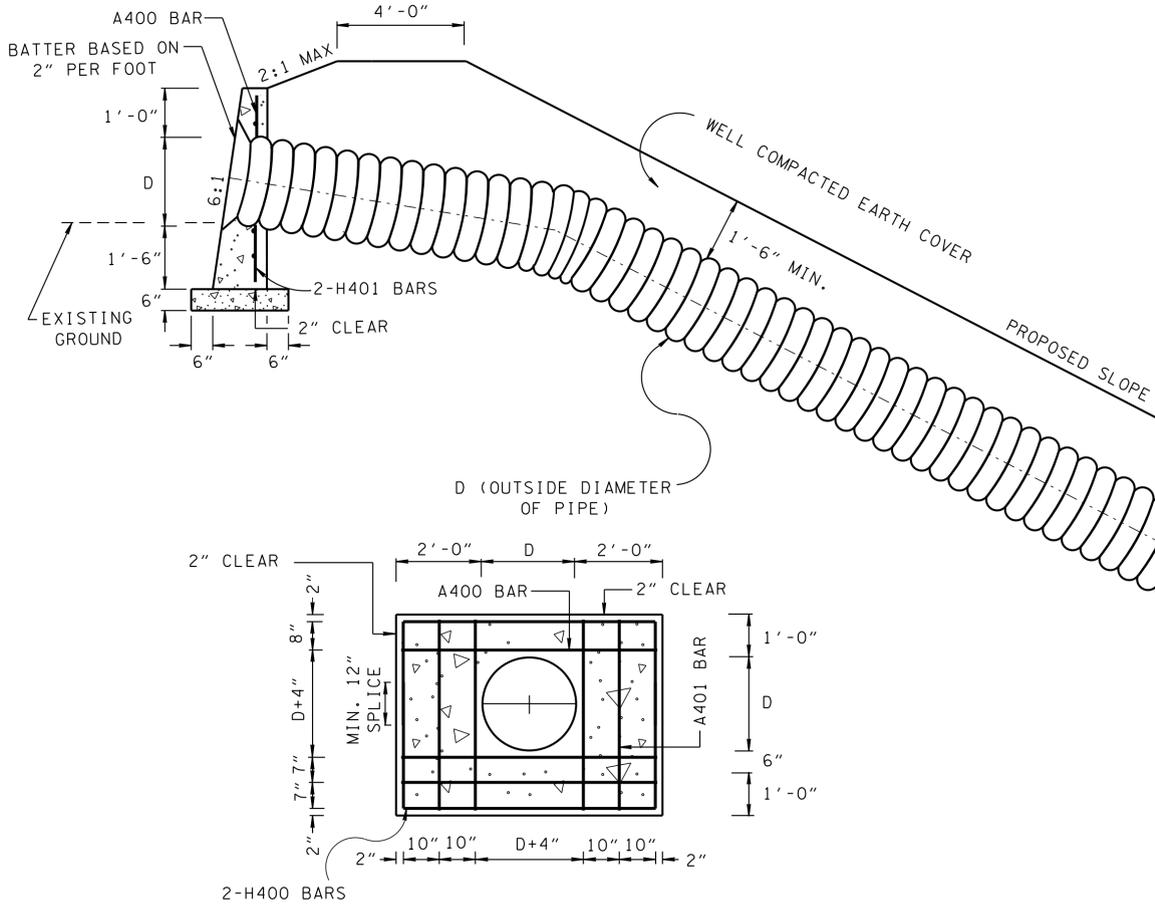
(C) PIPE ELBOWS AND BENDS SHALL BE DETERMINED IN THE FIELD PRIOR TO FABRICATION.

(D) PREFABRICATED HEADWALLS MAY BE USED WITH APPROVAL BY THE ENGINEER.

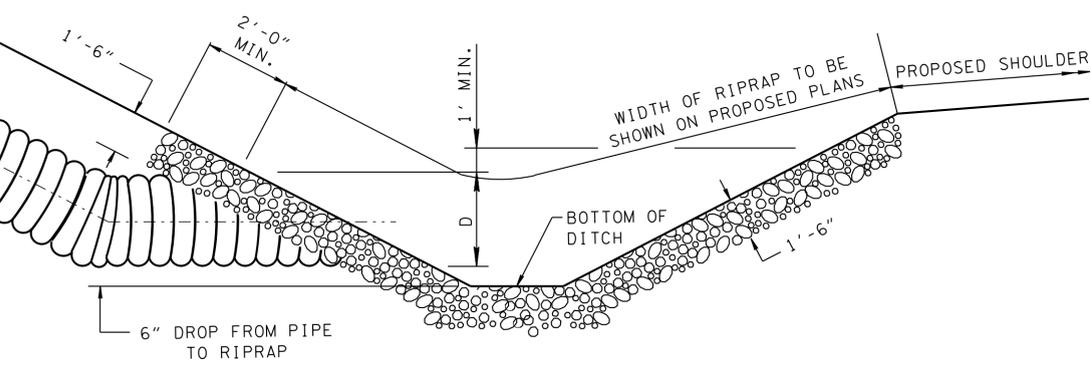
(E) PERMANENT SLOPE DRAIN PIPES SHALL BE PAID FOR UNDER THE FOLLOWING ITEM NUMBERS:

203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED) PER CUBIC YARD
604-01.01	CLASS A CONCRETE (ROADWAY) PER CUBIC YARD
604-01.02	STEEL BAR REINFORCEMENT (ROADWAY) PER POUND
607-41.02	--" SLOPE DRAIN PIPE PER LINEAR FOOT
607-41.06	THRU
709-05.06	MACHINED RIP-RAP (CLASS A-1) PER TON

PAYMENT SHALL INCLUDE ALL MATERIALS (ELBOWS, BANDS, BEVELED ENDS, ETC.) AND LABOR NECESSARY FOR THE CONSTRUCTION AND MAINTENANCE OF PERMANENT SLOPE DRAIN PIPES.



FRONTAL ELEVATION VIEW FOR INLET HEADWALL FOR CASE I



SECTIONAL VIEW A-A FOR CASE I (SHOWING 45° OUTLET)

EROSION CONTROL PLAN LEGEND:  PERMANENT SLOPE DRAIN PIPE (SHOW SIZE)

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

NOT TO SCALE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PERMANENT SLOPE DRAIN PIPE