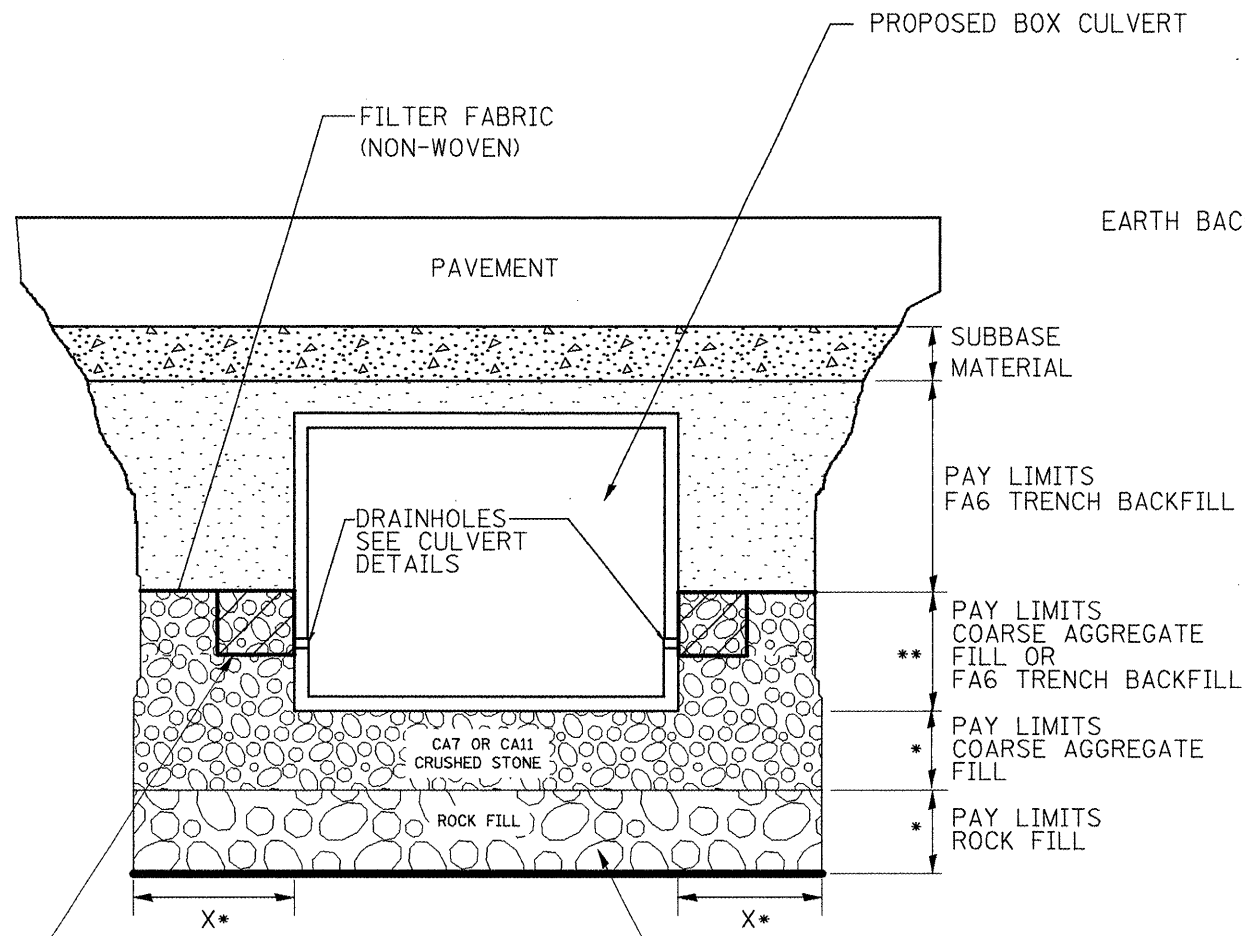


DESIGNER NOTES:
 1. CHECK WITH THE DISTRICT GEOTECHNICAL ENGINEER FOR USE OF THIS DRAWING.
 2. THIS DETAIL IS MEANT FOR CONSTRUCTING BOX CULVERTS THROUGH EXISTING EMBANKMENTS.
 3. USE THE DISTRICT SPECIAL DETAIL FOR UNSUITABLE EXCAVATION TREATMENT FOR CULVERTS TO SHOW THE UNDERCUT DIMENSIONS.

ROADWAY PROFILE VIEW



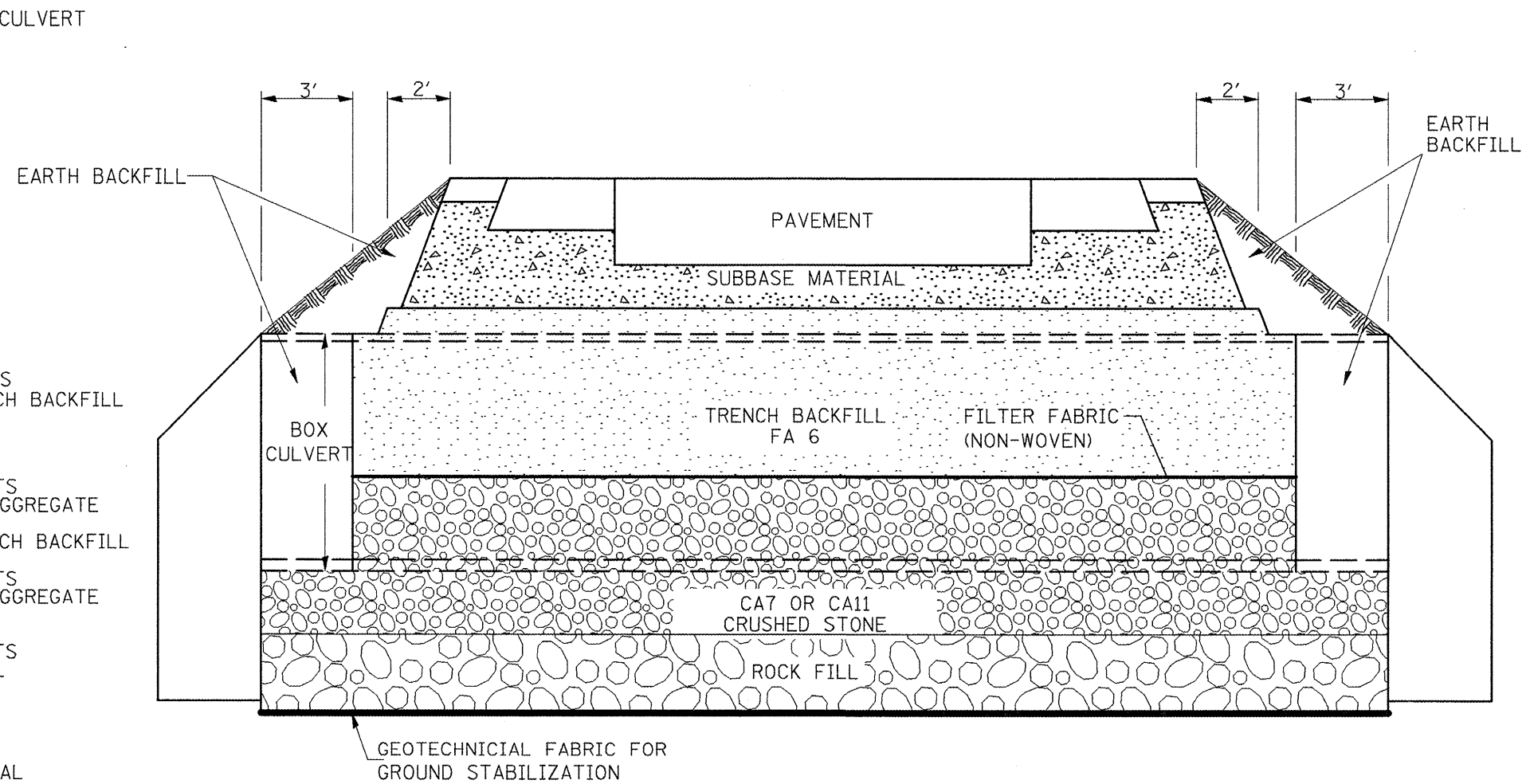
2' x 2' x 2' DEPOSIT OF CA 5, 7, OR 11 IN FABRIC ENVELOPE IN ACCORDANCE WITH ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS (TYPICAL)

PROPOSED REMOVAL & DISPOSAL OF UNSUITABLE, AND REPLACE WITH ROCKFILL WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION. PAID FOR BY RESPECTIVE PAY ITEMS

* SEE UNDERCUT DETAIL FOR DEPTHS AND WIDTHS. IF THERE IS NO UNDERCUT, X = 2 FEET AND SEE NOTE 3 THIS SHEET.

** EXTEND THE COARSE AGGREGATE FILL TO THE TOP OF THE DRAINHOLE FILTER FABRIC ENVELOPES. IF THE BOX CULVERT DOES NOT HAVE DRAINHOLES, THEN BEGIN PLACING TRENCH BACKFILL AT THE BOTTOM OF THE CULVERT.

ROADWAY CROSS SECTION VIEW



NOTES:

- EXCEPT AS SPECIFIED IN THIS DETAIL, THE PLACEMENT AND COMPACTION OF BACKFILL SHALL BE IN ACCORDANCE WITH ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS.
- TRENCH BACKFILL SHALL BE COMPACTED BY EITHER METHOD 2 OR METHOD 3 SPECIFIED IN ARTICLE 550.07, OR IN ACCORDANCE WITH METHOD 1 SPECIFIED IN ARTICLE 550.07, EXCEPT THAT THE COMPACTED LIFTS SHALL NOT EXCEED 8" IN THICKNESS. TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD LAB DENSITY.
- IF NO UNDERCUT IS REQUIRED, A 6" MINIMUM LAYER OF COARSE AGGREGATE FILL SHALL BE PLACED BELOW THE ELEVATION OF THE BOTTOM OF PRECAST BOX CULVERTS AS SPECIFIED IN ARTICLE 540.06 OF THE STANDARD SPECIFICATIONS.

All dimensions are in inches (millimeters) unless otherwise noted.

FILE NAME = sht-landscp.dgn	USER NAME = mendezpj	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLDT SCALE = 1/8" = 1/8" / IN.	CHECKED -	REVISED -
	PLDT DATE = 3/25/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF EXCAVATION AND BACKFILL FOR BOX CULVERTS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 685	SECTION ..	COUNTY ..	TOTAL SHEETS 329	SHEET NO. 170
CONTRACT NO. 68599				
ILLINOIS FED. AID PROJECT				

137-3885-3-3885-5-3885 * FULTON & MCDONOUGH