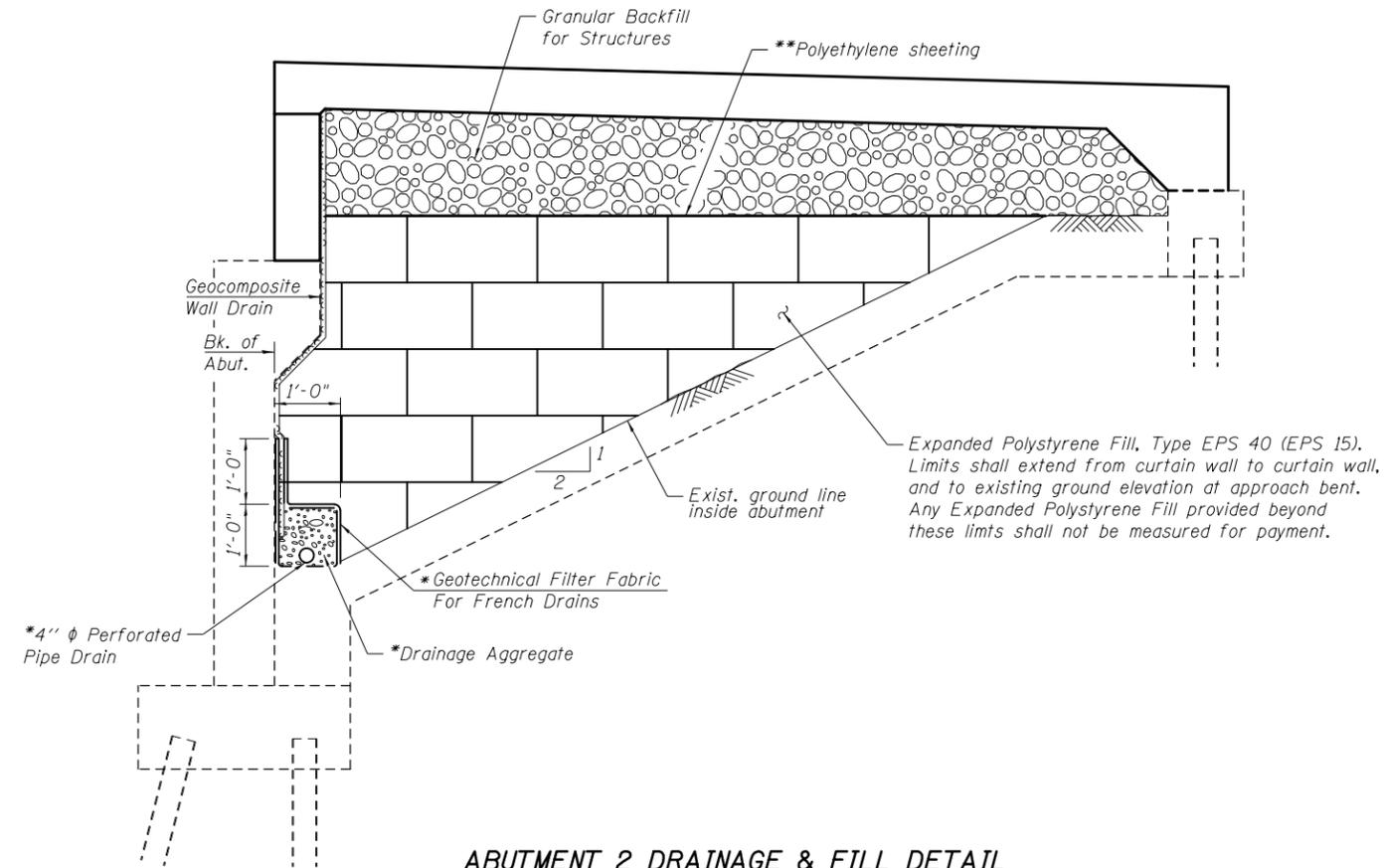


2/26/21 PM

S:\1072\_05\_CADD\Structure\1\SN\_0162437\CADD\_Sheets\0162437-60J12-046-AB02Rem3.dgn 12/7/2012



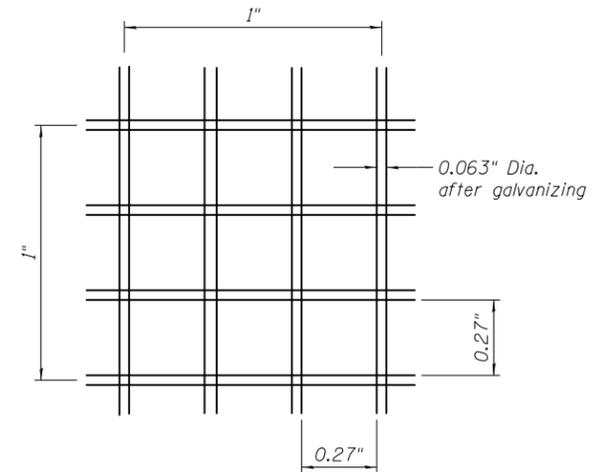
**ABUTMENT 2 DRAINAGE & FILL DETAIL**  
(Inside Face)

\*Included in the cost of Pipe Underdrains for Structures 4".

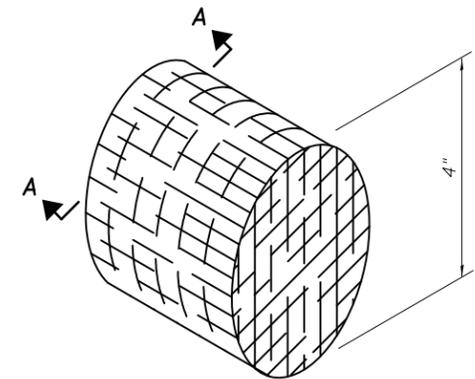
\*\*In accordance with Article 1022.03 of the Standard Specifications. Limits shall extend to inside faces of curtain walls, from face of backwall to end of Expanded Polystyrene Fill. Included in the cost of Expanded Polystyrene Fill.

Note:

Limits of the perforated pipe drain shall extend to the outside face of both curtain walls. Core a 5"  $\phi$  hole through the curtain walls and fill annular space around pipe drain with non-shrink grout. Ends of pipe drain shall be protected by a permanent rodent shield. Cost of coring holes, non-shrink grout, and rodent shield shall be included with Pipe Underdrains for Structures 4".



**SECTION A-A**



**DETAIL OF RODENT SHIELD**

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Granular Backfill for Structures	Cu. Yd.	90
Geocomposite Wall Drain	Sq. Yd.	43
Pipe Underdrains for Structures 4"	Foot	25
Expanded Polystyrene Fill	Cu. Yd.	145

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com



USER NAME =	DESIGNED - TL	REVISED -
	CHECKED - BAK	REVISED -
PLOT SCALE =	DRAWN - MTR	REVISED -
PLOT DATE = 11/08/2012	CHECKED - TL	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ABUTMENT 2 REMOVAL AND REPAIR DETAILS III  
STRUCTURE NO. 016-2437

SHEET NO. S-46 OF S-83 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-060-BR	COOK	285	209
CONTRACT NO. 60V61				
ILLINOIS FED. AID PROJECT				