

E.F. INDICATES EACH FACE.  
 N.F. INDICATES NEAR FACE.  
 F.F. INDICATES FAR FACE.

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	54-87 K-8258-01	2007	261	556

**GENERAL NOTES**

**ABUTMENT STRIP DRAIN:** The Bridge Contractor shall excavate to the limits shown on the plans, grade the bottom of the backfill area, place the abutment strip drain, and place the perforated pipe and the backfill.

**BRIDGE BACKWALL PROTECTION SYSTEM:** Apply a Bridge Backwall Protection System to the approach side of the abutments in accordance with KDOT Specifications and manufacturers recommendations. Cover the abutments to the limits shown on the details. Prior to the backfilling, repair any damage done to the system at no charge to the City.

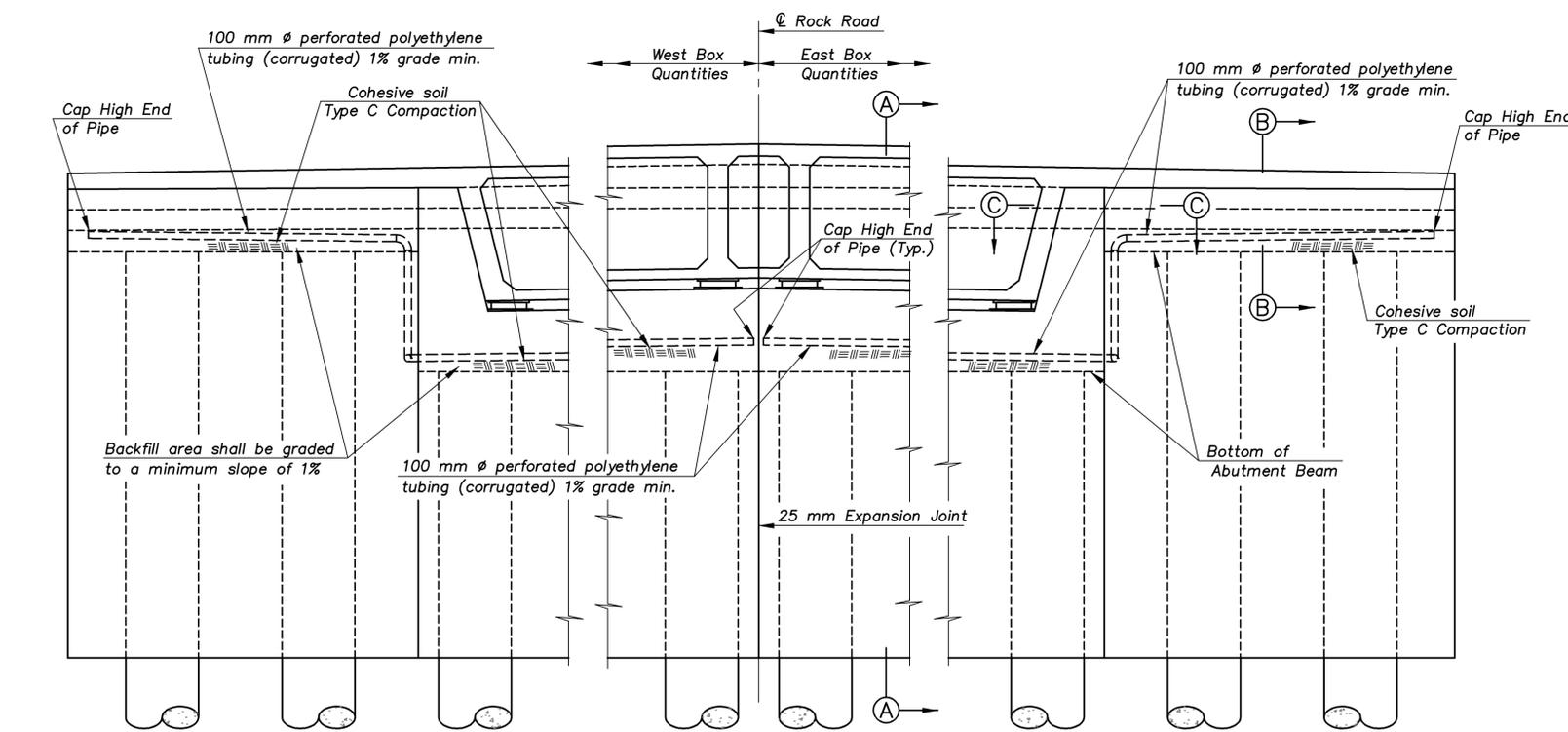
Place the Perforated pipe next to the strip drain. Care shall be taken to enclose the perforated pipe with the extension of the filter fabric.

Compact the abutment fill. See KDOT Specifications.

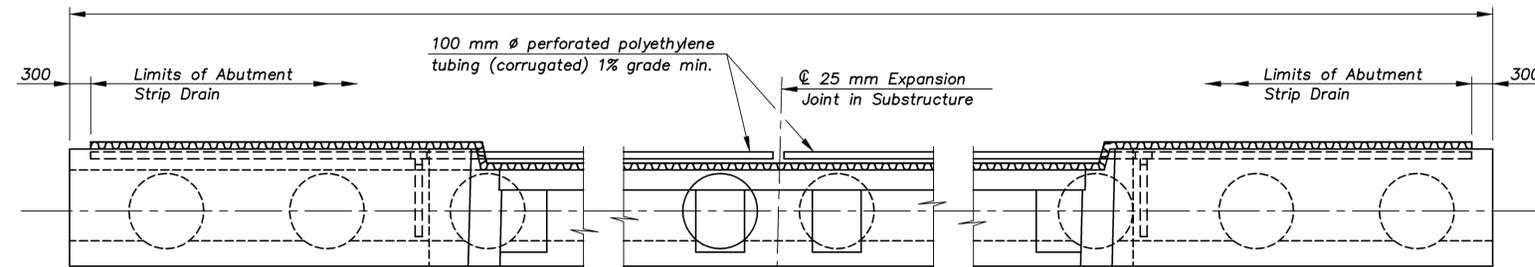
The Abutment Strip Drain material shall meet the requirements of KDOT Specifications.

Perforated pipe shall be corrugated polyethylene tubing and shall meet the requirements of the KDOT Specifications.

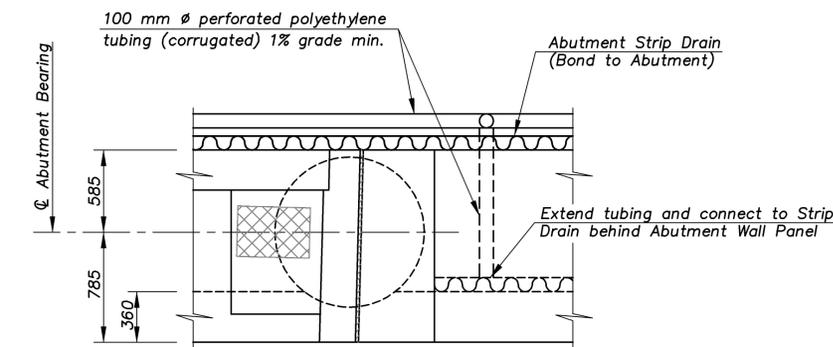
Grade the bottom surface of the excavated area to drain. Backfill this area with a cohesive type soil. The soil should be a silty clay or clay under the Kansas Classification System with a minimum plasticity index of 20. Compact the material to Type C standards.



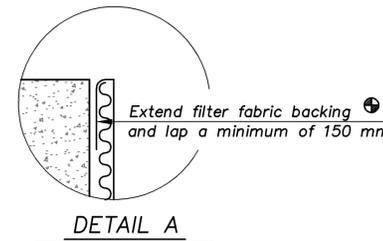
**ELEVATION OF ABUTMENT NO. 1**  
 (Looking Back Station)



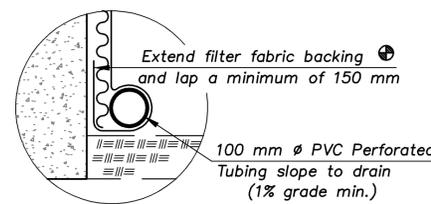
**PLAN VIEW OF ABUTMENT**  
 (Superstructure not shown)



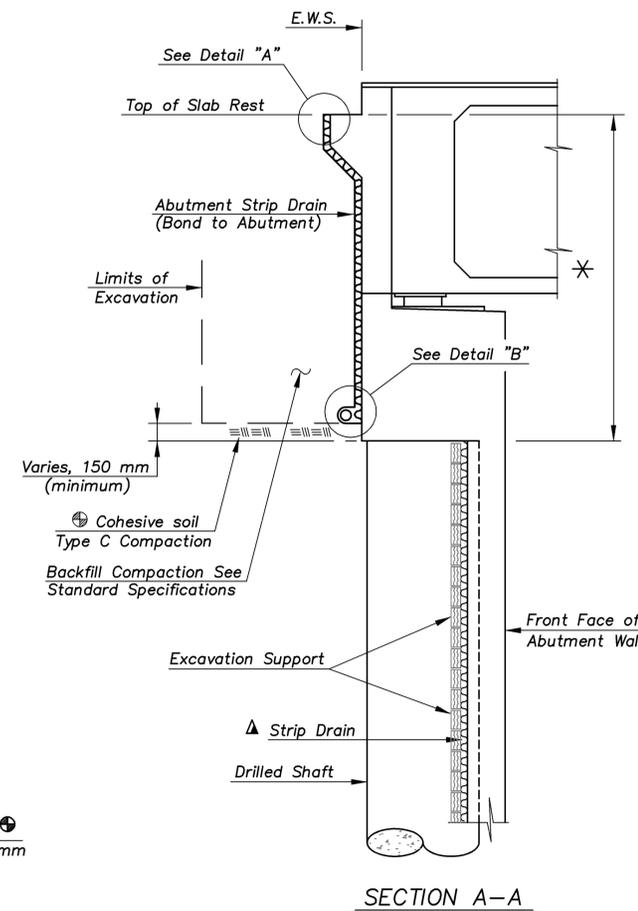
**SECTION C-C**



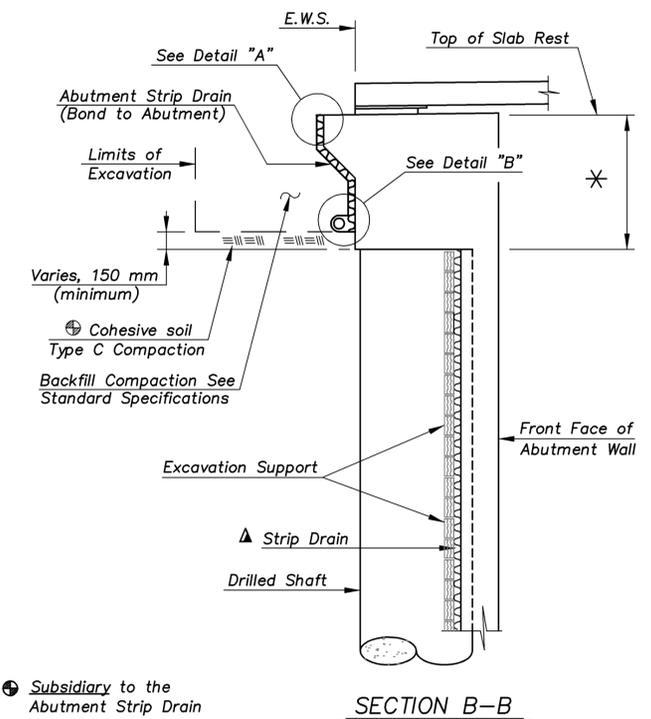
**DETAIL A**



**DETAIL B**



**SECTION A-A**



**SECTION B-B**

Subsidiary to the Abutment Strip Drain

Limits of Bridge Backwall Protection System (by Bridge Contractor)

NOTE: The Strip Drain behind the Abutment Wall Panels shall be paid for as "Strip Drain". See Abutment Detail sheet.

**SUMMARY OF QUANTITIES**

Items	Abutment No. 1		Abutment No. 2	
	West Box	East Box	West Box	East Box
ABUTMENT STRIP DRAIN	92 m <sup>2</sup>	92 m <sup>2</sup>	90 m <sup>2</sup>	90 m <sup>2</sup>
BRIDGE BACKWALL PROTECTION SYSTEM	102 m <sup>2</sup>	102 m <sup>2</sup>	101 m <sup>2</sup>	101 m <sup>2</sup>
Items Subsidiary to Strip Drain				
100 mm $\phi$ PERFORATED PIPE	39 m	39 m	39 m	39 m
100 mm $\phi$ NON-PERFORATED PIPE	--	--	--	--
150 mm $\phi$ CMP	--	--	--	--

KANSAS DEPARTMENT OF TRANSPORTATION  
 BR. NO. 54-87-31.12(702) STA. 3+877.518

**ABUTMENT STRIP DRAIN**

ROCK ROAD OVER KELLOGG AVENUE

Proj. No. 54-87 K-8258-01 SEDGWICK COUNTY



Cook, Flatt & Strobel  
 ENGINEERS, P. A.

DESIGNED	R.S.C.	SCALE	Varies
DATE	T.R.G.	DATE	
QUANTITIES	T.R.G.	SHEET	15 OF 41

1:100

ROCK/ABUT