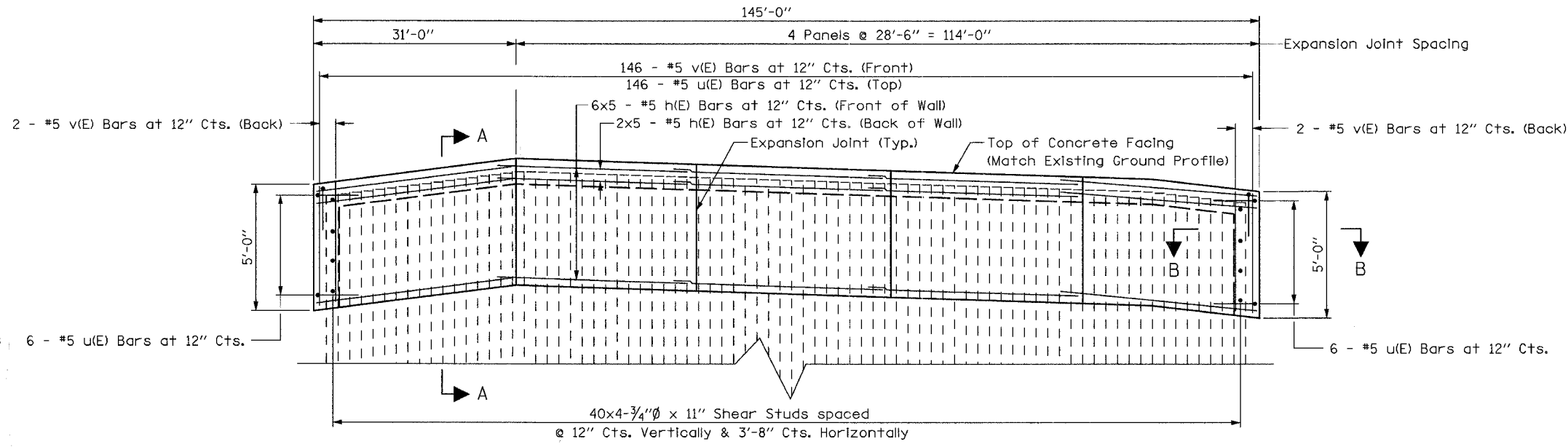
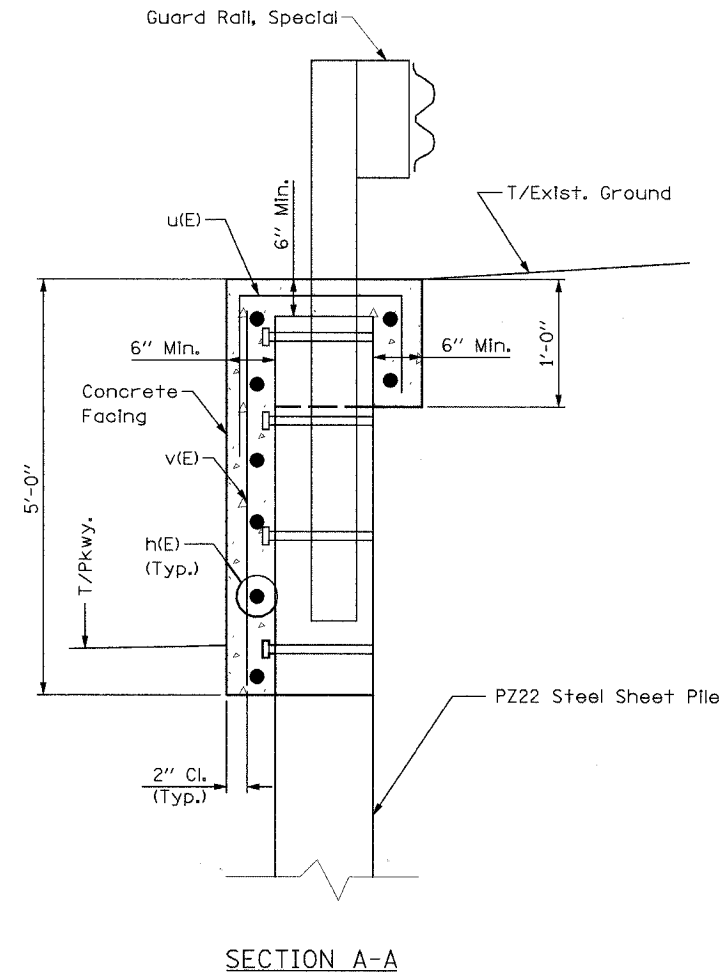


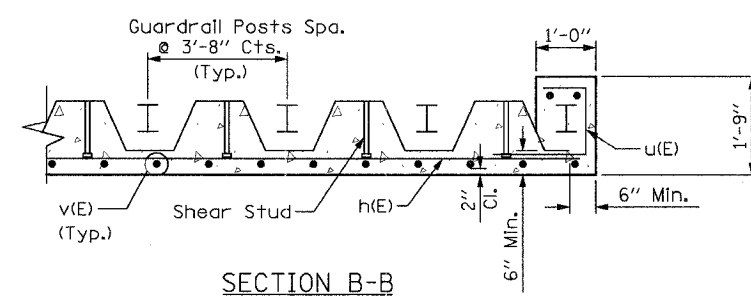
CONTRACT NO. 83737				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	96-00094-01-WR	KANE	187	131
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



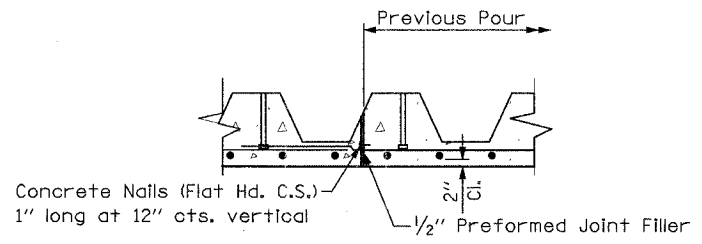
ELEVATION



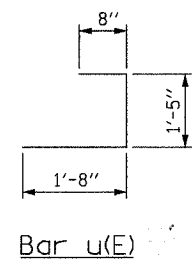
SECTION A-A



SECTION B-B



EXPANSION JOINT DETAIL



Bar u(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	40	#5	30'-8"	—
u(E)	158	#5	3'-9"	U
v(E)	150	#5	4'-7"	—
Reinforcement Bars, Epoxy Coated		Pound	2620	
Concrete Structures		Cu. Yd.	28.5	
Permanent Steel Sheet Piling		Sq. Ft.	1776	
Stud Shear Connectors		Each	160	
Guard Rail, Special		Ft.	145	

- Notes:
1. Space guardrail posts to miss sheet piling.
 2. Place guardrail posts prior to pouring concrete wall cap.
 3. Space u(E) bars to miss guardrail posts.
 4. Bars indicated thus "1x2 - #5 etc." indicates 1 line of bars with 2 lengths of bars per line.
 5. Reinforcement bars designated (E) shall be epoxy coated.

REVISIONS	
NAME	DATE

URS 100 SOUTH WACKER DRIVE
SUITE 500 CHICAGO, IL 60606
TEL (312) 939-1000 FAX (312) 939-4198

McLEAN BOULEVARD
SHEET PILE WALL
DETAILS

SCALE: DATE 04/06/2007
DRAWN BY MAD
CHECKED BY JPB