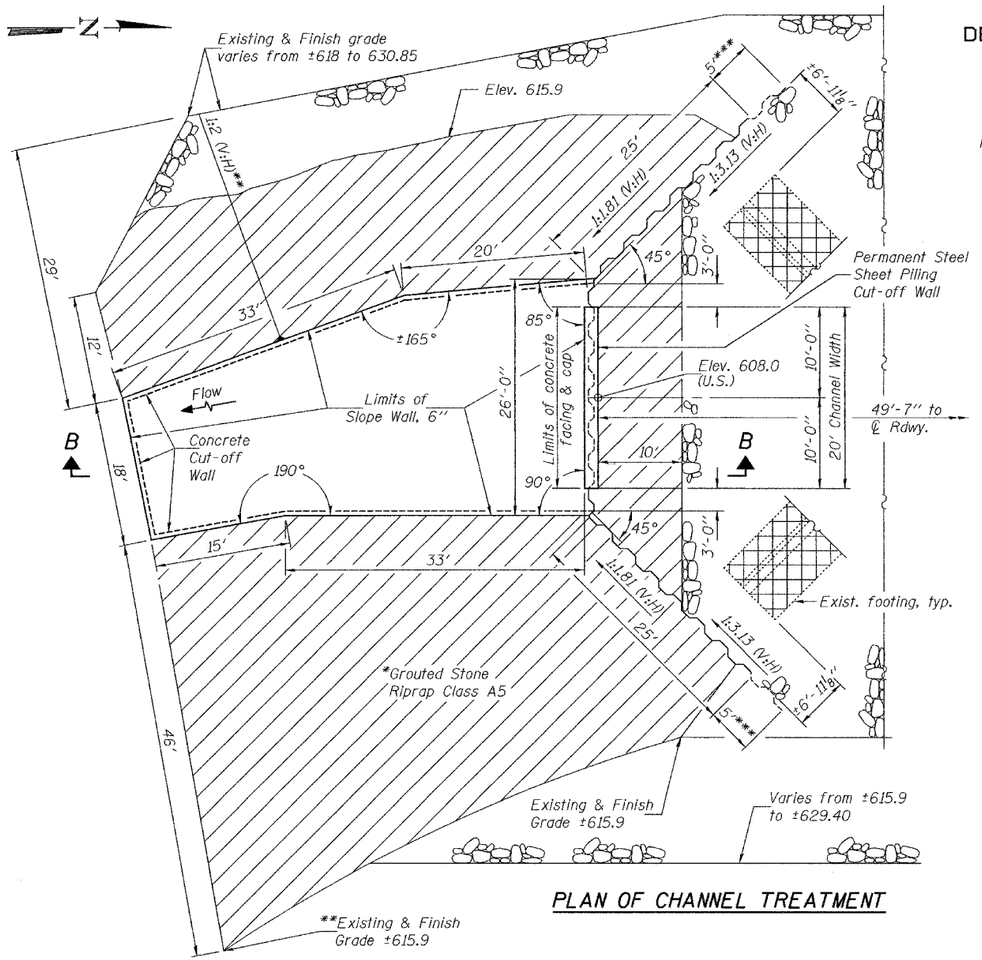
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6769	(8B) BR-4	TAZEWELL	102	36
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 2
16 SHEETS

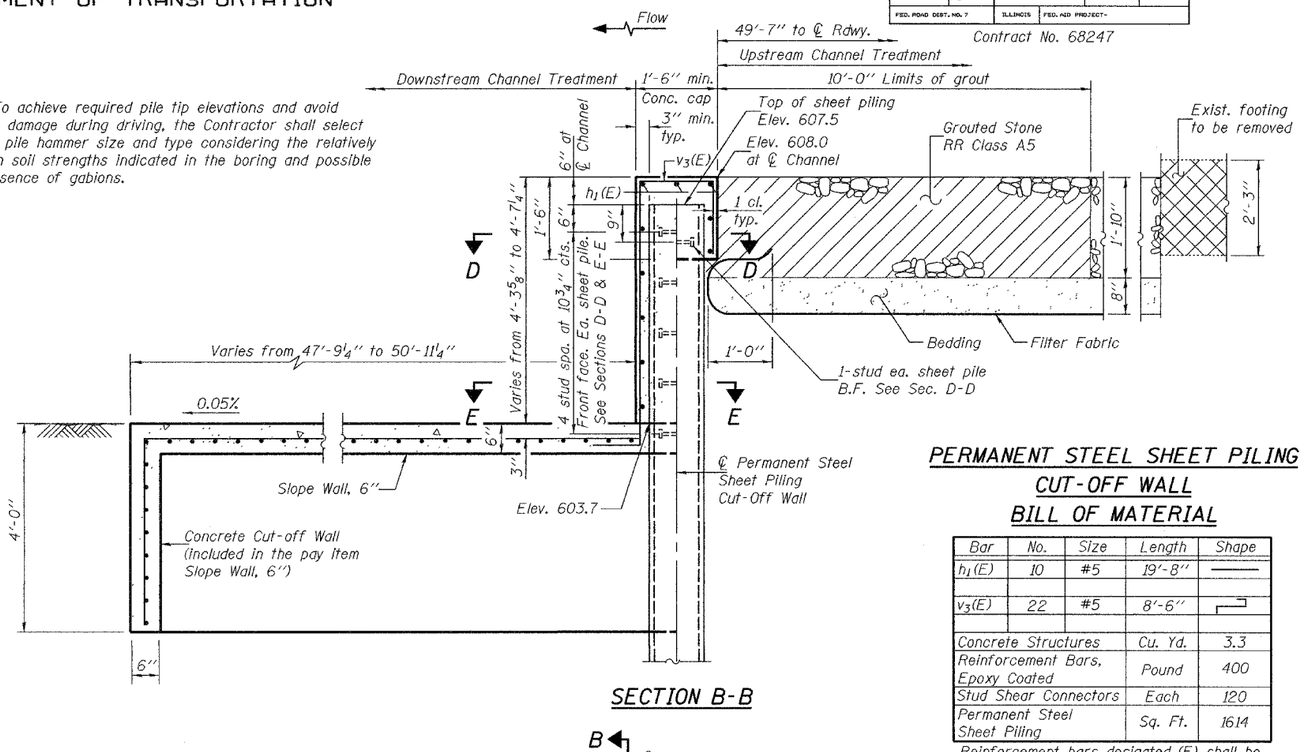
Contract No. 68247



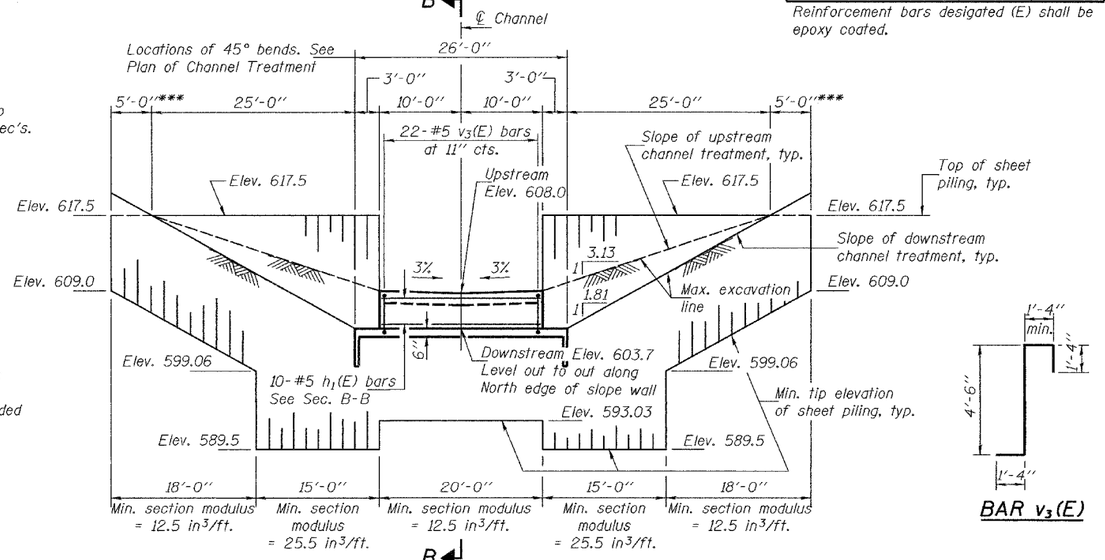
PLAN OF CHANNEL TREATMENT

Notes:
*Hatch area indicates grouted limits
**Reshape existing slopes 1:2 (V:H) (min.)
***Min. length of buried sheet piling
Cross-hatched area indicates Removal of Existing Structures.

Note: To achieve required pile tip elevations and avoid pile damage during driving, the Contractor shall select the pile hammer size and type considering the relatively high soil strengths indicated in the boring and possible presence of gabions.



SECTION B-B



ELEVATION OF PERMANENT STEEL SHEET PILING CUT-OFF WALL

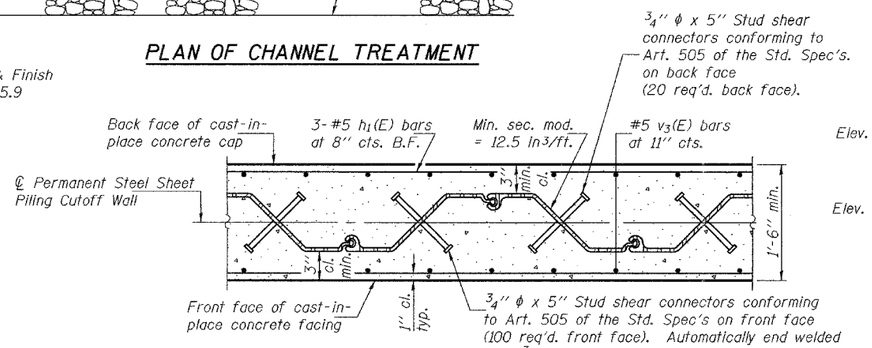
Looking north (Upstream)
Distance measured along face of cut-off wall

BAR $v_3(E)$

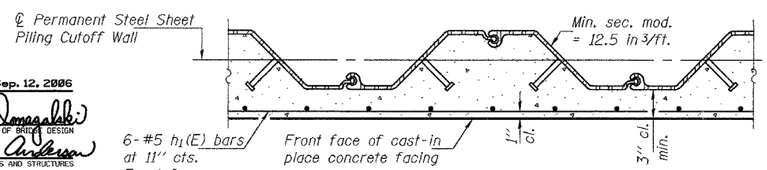
PERMANENT STEEL SHEET PILING CUT-OFF WALL BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$h_1(E)$	10	#5	19'-8"	——
$v_3(E)$	22	#5	8'-6"	⌐
Concrete Structures			Cu. Yd.	3.3
Reinforcement Bars, Epoxy Coated			Pound	400
Stud Shear Connectors			Each	120
Permanent Steel Sheet Piling			Sq. Ft.	1614

Reinforcement bars desigated (E) shall be epoxy coated.



SECTION D-D



SECTION E-E

DESIGNED	NHB/MDS
CHECKED	AJB
DRAWN	h.t. duong
CHECKED	MDS/AJB

Sep. 12, 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

CHANNEL TREATMENT DETAILS
F.A.U. 6769 - SECTION (8B)BR-4
TAZEWELL COUNTY
STATION 319+71
STRUCTURE NO. 090-0173

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