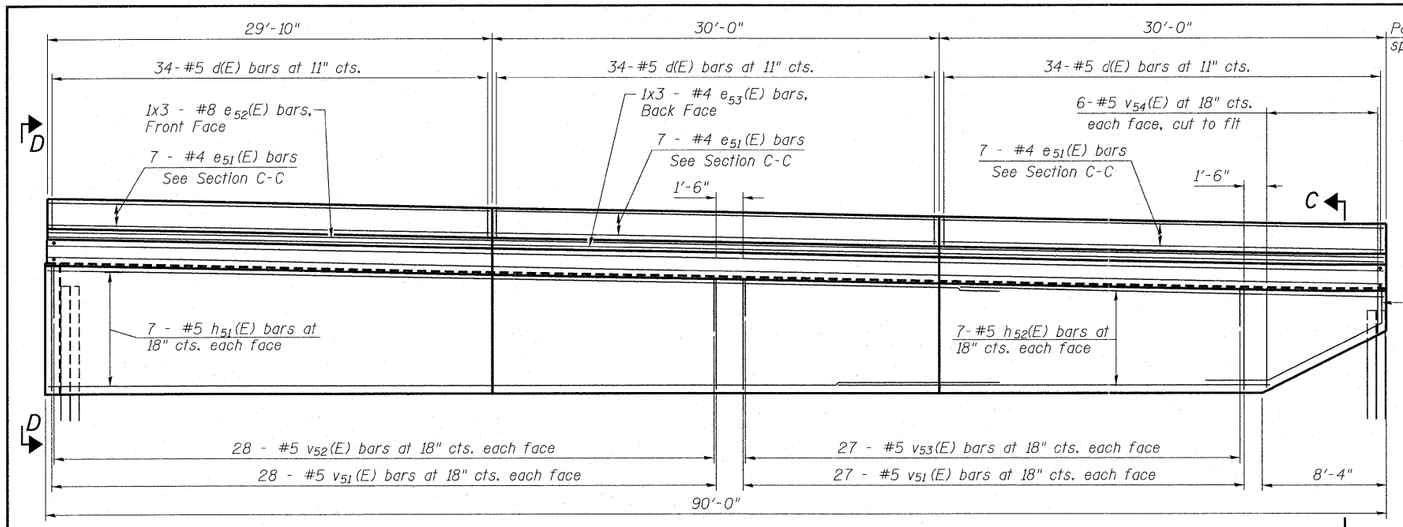
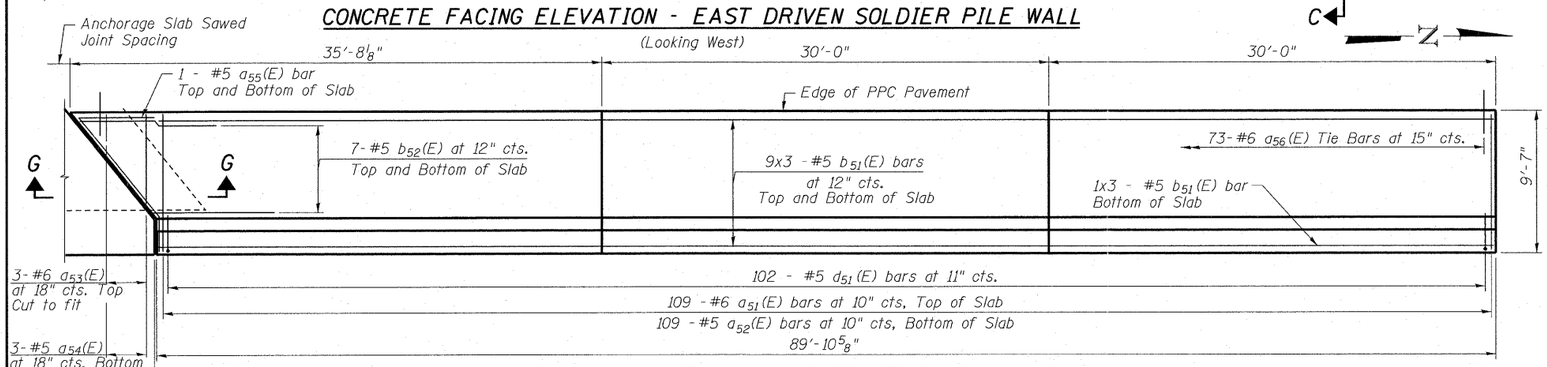
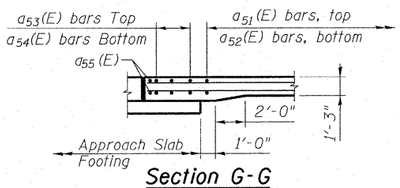


CONCRETE FACING ELEVATION - EAST DRIVEN SOLDIER PILE WALL

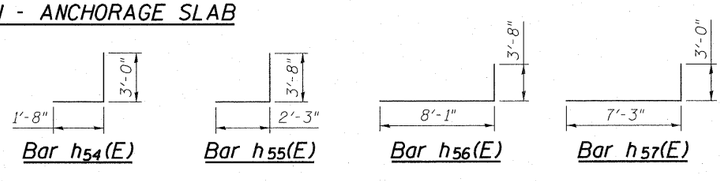


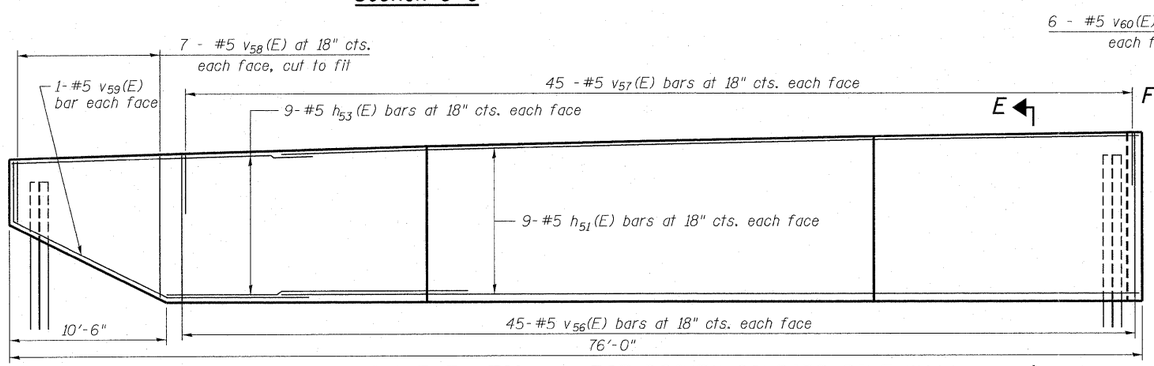
(Looking West)

PLAN - ANCHORAGE SLAB



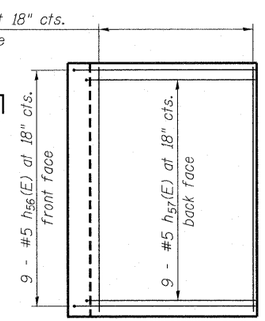
Section G-G





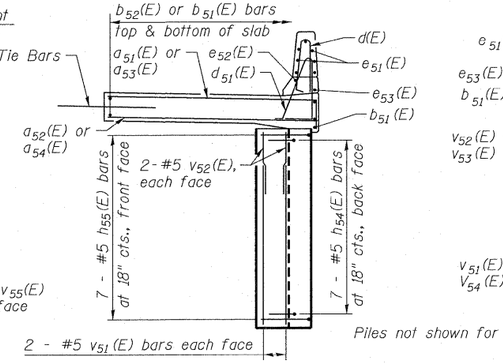
CONCRETE FACING ELEVATION - WEST DRIVEN SOLDIER PILE WALL

(Looking East)



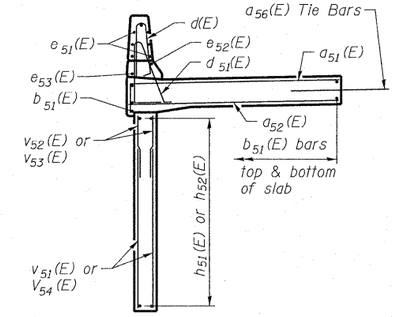
VIEW F-F

(Looking North)

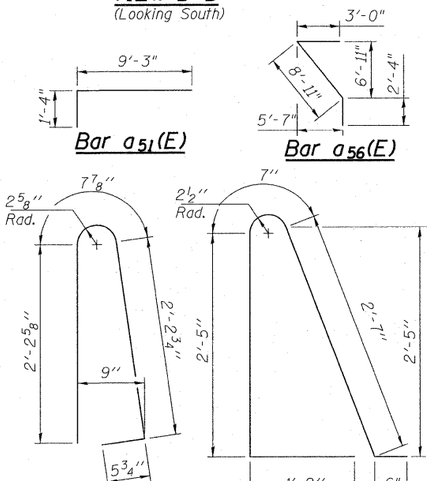


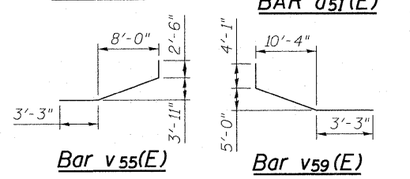
VIEW D-D

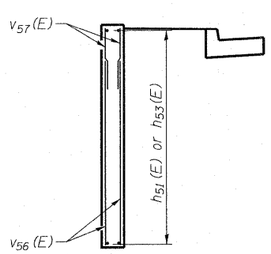
(Looking South)



SECTION C-C







SECTION E-E

Piles not shown for clarity

DRIVEN SOLDIER PILE WALLS BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a51(E)	109	# 6	10'-7"	
a52(E)	109	# 5	9'-3"	
a53(E)	3	# 6	6'-6"	
a54(E)	3	# 5	6'-6"	
a55(E)	2	# 5	14'-3"	
a56(E)	73	# 6	2'-6"	
b51(E)	57	# 5	32'-6"	
b52(E)	14	# 5	7'-9"	
d(E)	102	# 5	5'-7"	
d51(E)	102	# 5	7'-3"	
e51(E)	21	# 4	29'-8"	
e52(E)	3	# 8	33'-6"	
e53(E)	3	# 4	30'-8"	
h51(E)	32	# 5	50'-0"	
h52(E)	14	# 5	43'-3"	
h53(E)	18	# 5	29'-3"	
h54(E)	7	# 5	4'-8"	
h55(E)	7	# 5	5'-11"	
h56(E)	9	# 5	11'-9"	
h57(E)	9	# 5	10'-3"	
v51(E)	114	# 5	6'-11"	
v52(E)	60	# 5	3'-10"	
v53(E)	54	# 5	3'-3"	
v54(E)	12	# 5	6'-4"	
v55(E)	2	# 5	14'-8"	
v56(E)	90	# 5	9'-11"	
v57(E)	90	# 5	4'-3"	
v58(E)	14	# 5	9'-6"	
v59(E)	2	# 5	18'-10"	
v60(E)	12	# 5	11'-0"	

Reinforcement Bars, Epoxy Coated	Pound	14,380
Concrete Structures	Cu. Yds.	62.3
Concrete Superstructures	Cu. Yds.	54.5
Structure Excavation	Cu. Yds.	190
Stud Shear Connectors	Each	1,254

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

MINIMUM BAR LAP

#4 bar = 2'-0"
#5 bar = 2'-7"
#8 bar = 5'-2"

APEX CONSULTING ENGINEERS, LLC
111 E. Wacker Drive, Suite 520
Chicago, IL 60601
Phone (312) 977-0060 Fax (312) 977-0661

USER NAME =	DESIGNED - HAA	REVISED	
	CHECKED - RAD	REVISED	
PLOT SCALE =	DRAWN - WHI	REVISED	
PLOT DATE = 11/7/2011	CHECKED - RAD	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RETAINING WALLS SECTION AND DETAILS
STRUCTURE NO. 016-0772
SHEET NO. S24 OF S34 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	0505-B	COOK	52	34
		CONTRACT NO. 60M78		
		ILLINOIS FED. AID PROJECT		