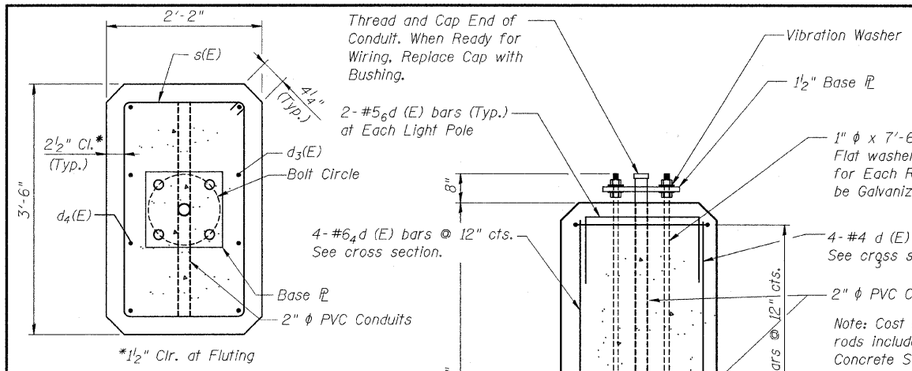
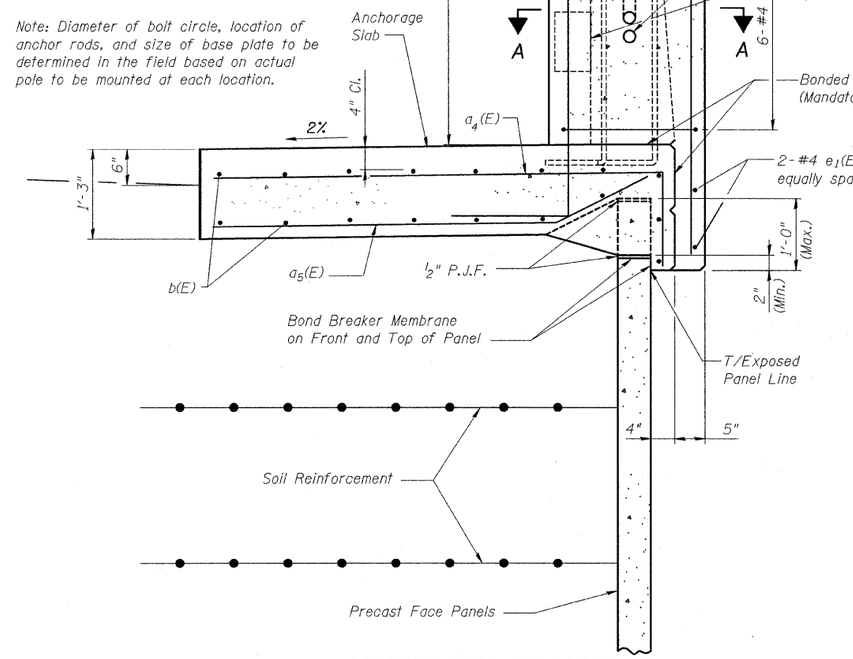
FISCAL YEAR	COUNTY	COUNTY HIGHWAY	TOTAL SHEETS	SHEET NO.
2007	DUPAGE	•	241	137
CONTRACT NUMBER 83908				
SECTION 97-00084-00-BR				

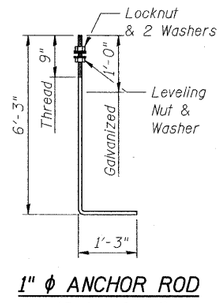
• FAU 3549/ FAU 1432



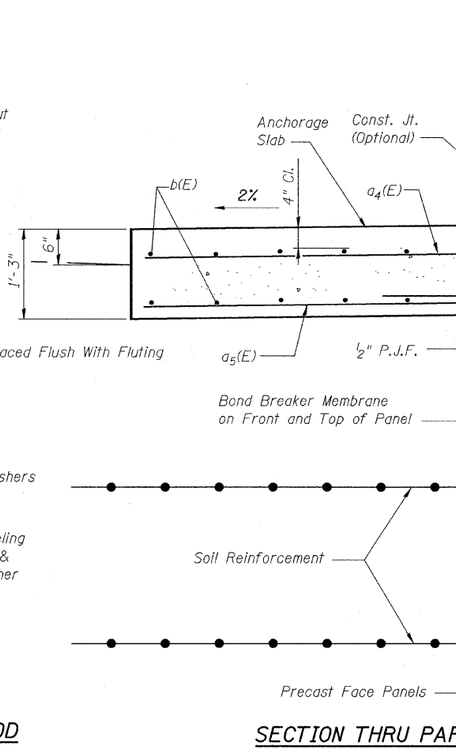
SECTION A-A



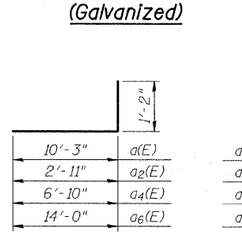
SECTION THRU PILASTER
(Typ. U.N.O.)



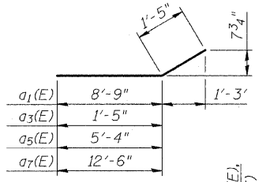
1" ϕ ANCHOR ROD
(Galvanized)



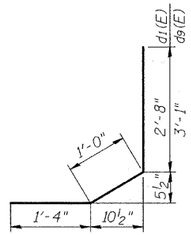
SECTION THRU PARAPET



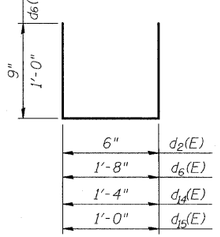
BARS d(E), a2(E), a4(E) AND a6(E)



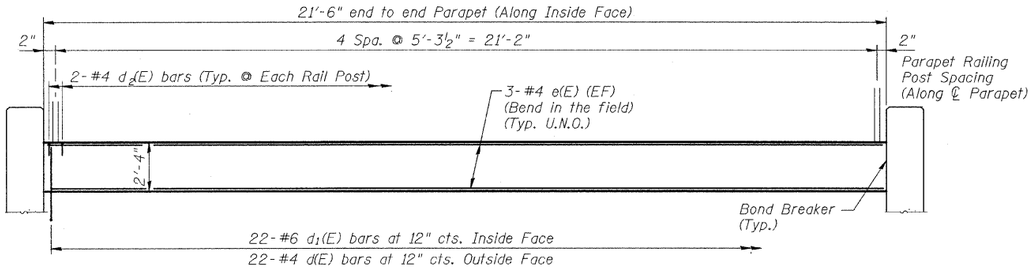
BARS a1 E), a3(E), a5(E) AND a7(E)



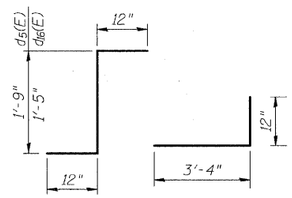
BARS d1(E), AND d9(E)



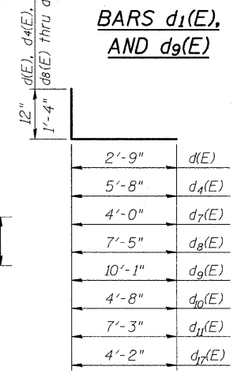
BARS d2(E), d6(E), d14(E) AND d15(E)



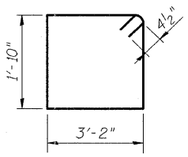
INSIDE ELEVATION OF PARAPET
(Typ. U.N.O.)



BARS d5(E) & D16(E) BAR n(E)



BARS d(E), d4(E), d7(E), d8(E), d9(E), d10(E), AND d11(E)



BAR s(E)

HDR Engineering, Inc.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	115	#5	11'-5"	
d1(E)	115	#5	10'-2"	
d2(E)	152	#5	4'-1"	
d3(E)	152	#5	2'-10"	
d4(E)	1,167	#5	8'-0"	
d5(E)	1,167	#5	6'-9"	
d6(E)	25	#5	15'-2"	
d7(E)	25	#5	13'-11"	
d8(E)	28	#5	5'-11"	
d9(E)	66	#5	4'-8"	
d10(E)	984	#5	6'-0"	
b(E)	566	#5	30'-9"	
b1(E)	75	#5	33'-6"	
b2(E)	488	#5	30'-1"	
b3(E)	74	#5	23'-6"	
d(E)	1,743	#4	3'-9"	
d1(E)	1,659	#6	5'-0"	
d2(E)	816	#4	2'-0"	
d3(E)	316	#4	6'-3"	
d4(E)	300	#6	6'-8"	
d5(E)	86	#5	3'-9"	
d6(E)	42	#5	3'-8"	
d7(E)	45	#5	5'-0"	
d8(E)	62	#8	8'-9"	
d9(E)	8	#8	11'-5"	
d10(E)	26	#8	6'-0"	
d11(E)	8	#8	8'-7"	
d12(E)	8	#6	9'-5"	
d13(E)	72	#6	7'-6"	
d14(E)	44	#5	3'-4"	
d15(E)	451	#5	3'-0"	
d16(E)	462	#5	3'-5"	
d17(E)	425	#8	5'-6"	
e(E)	444	#4	21'-2"	
e1(E)	152	#4	3'-2"	
e2(E)	6	#4	7'-11"	
e3(E)	6	#4	16'-10"	
e4(E)	6	#4	9'-8"	
e5(E)	6	#4	17'-2"	
e6(E)	18	#4	35'-4"	
n(E)	44	#6	4'-4"	
s(E)	466	#4	10'-0"	
t(E)	72	#6	5'-11"	
v(E)	52	#5	5'-0"	
w(E)	14	#4	35'-4"	
Concrete Structures			Cu. Yd.	14.5
Concrete Superstructure			Cu. Yd.	900.3
Reinforcement Bars, Epoxy Coated			Pound	114,530
Protective Coat			Sq. Yd.	1,847
Waterproofing Membrane System			Sq. Yd.	328

CITY OF WHEATON

MANCHESTER ROAD/ WESLEY STREET
OVER UNION PACIFIC RAILROAD

MSE RETAINING WALL WALL DETAILS

DRAWN	JM
CHECKED	VEVS
APPROVED	BSK
DATE	06/04/2008
SCALE	NONE

SHEET NO. S-34